ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		**SHUTDOWN PLAN 2023 - SODA ASH PLANT**	**252 hrs**	**Wed 03/05/23 06:30**	**Sat 27/05/23 02:45**		
2		PROJECT START	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		
3		PROJECT FINISH	0 hrs	Sat 27/05/23 02:45	Sat 27/05/23 02:45	11389	
4	**AREA 65A**	**POTABLE & BRACKISH WATER SUPPLY**	**97 hrs**	**Fri 12/05/23 08:30**	**Sun 21/05/23 11:00**	**525SS**	
5		**MAINTENANCE STARTS**	**0 hrs**	**Fri 12/05/23 08:30**	**Fri 12/05/23 08:30**	**2SS+8 days**	
6		Maintenance jobs commence	0 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:30		
7		**MECHANICAL**	**95.25 hrs**	**Fri 12/05/23 08:30**	**Sun 21/05/23 09:15**	**6**	
8		**BRACKISH PUMP STATION - Replace Generator**	**53 hrs**	**Fri 12/05/23 08:30**	**Wed 17/05/23 09:00**		
9		Issue permit to work	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		Bakang Setshogo,Bonang makuni
10		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	9	Bakang Setshogo,Bonang makuni
11		Carry out risk assessment	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	10	Bakang Setshogo,Bonang makuni
12		Disconnect the Generator from the switch gear	2 hrs	Fri 12/05/23 09:15	Fri 12/05/23 11:15	11	Bakang Setshogo,Bonang makuni
13		Rig out the generator	1 hr	Fri 12/05/23 11:15	Fri 12/05/23 12:45	12	Manere
14		Rig in the new generator	1 hr	Fri 12/05/23 12:45	Fri 12/05/23 13:45	13	Manere
15		Excavate the old generator cable	6 hrs	Fri 12/05/23 13:45	Sat 13/05/23 08:45	14	Casuals
16		Excavate the cable to the BPC panel	6 hrs	Sat 13/05/23 08:45	Sat 13/05/23 15:15	15	Casuals
17		Replace the cable from the generator to the transformer	3 hrs	Sat 13/05/23 15:15	Sun 14/05/23 07:15	16	Bakang Setshogo,Bonang makuni
18		Connect the cable form the BPC side into the Generator	3 hrs	Sun 14/05/23 07:15	Sun 14/05/23 10:15	17	Bakang Setshogo,Bonang makuni
19		Connect the cable from the Switch Gear	3 hrs	Sun 14/05/23 10:15	Sun 14/05/23 13:45	18	Bakang Setshogo,Bonang makuni
20		Remove barricading roofing sheets for the pumpstation	6 hrs	Sun 14/05/23 13:45	Mon 15/05/23 08:45	19	Montsho
21		Disconnect power cables motors and power circuits	4 hrs	Mon 15/05/23 08:45	Mon 15/05/23 13:15	20	Bakang Setshogo,Bonang makuni
22		Rig out the panels	3 hrs	Mon 15/05/23 13:15	Mon 15/05/23 16:15	21	Manere
23		Rig into the substation container	1 hr	Mon 15/05/23 16:15	Mon 15/05/23 17:15	22	Manere
24		Rig in the switch gear panels	3 hrs	Mon 15/05/23 17:15	Tue 16/05/23 09:15	23	Bakang Setshogo,Bonang makuni
25		Connect all the control and power cable	4 hrs	Tue 16/05/23 09:15	Tue 16/05/23 13:45	24	Bakang Setshogo,Bonang makuni
26		Switch on cable by cable to test for power	1 hr	Tue 16/05/23 13:45	Tue 16/05/23 14:45	25	Bakang Setshogo,Bonang makuni
27		Commission the BPC power and the Generator function	2 hrs	Tue 16/05/23 14:45	Tue 16/05/23 16:45	26	Bakang Setshogo,Bonang makuni
28		Commission instrumentation and scada functionality test	2 hrs	Tue 16/05/23 16:45	Wed 17/05/23 07:45	27	Bakang Setshogo,Bonang makuni
29		House keeping	1 hr	Wed 17/05/23 07:45	Wed 17/05/23 08:45	28	Bakang Setshogo,Bonang makuni
30		Close permit	0.25 hrs	Wed 17/05/23 08:45	Wed 17/05/23 09:00	29	Bakang Setshogo,Bonang makuni
31	**65A2FB001**	**DUKWI BRACKISH WATER TANK - Carry out tank internal inspection**	**22.75 hrs**	**Wed 17/05/23 09:00**	**Fri 19/05/23 10:45**	**8**	
32		Empty tank (prior)	0 hrs	Wed 17/05/23 09:00	Wed 17/05/23 09:00		Operations
33		Clean tank (prior)	0 hrs	Wed 17/05/23 09:00	Wed 17/05/23 09:00	32	Operations
34		Issue permit to work	0.25 hrs	Wed 17/05/23 09:00	Wed 17/05/23 09:15	33	Operations
35		Accept permit	0.25 hrs	Wed 17/05/23 09:15	Wed 17/05/23 09:30	34	Bakang Setshogo,Bonang makuni
36		Carry out tank internal inspection	2 hrs	Wed 17/05/23 09:30	Wed 17/05/23 11:30	35	ELI,Operations,Reliability
37		Possible lining repairs	16 hrs	Wed 17/05/23 11:30	Thu 18/05/23 17:30	36	Reliability
38		Allow to cure	4 hrs	Thu 18/05/23 17:30	Fri 19/05/23 10:30	37	
39		Clear permit	0.25 hrs	Fri 19/05/23 10:30	Fri 19/05/23 10:45	38	Bakang Setshogo,Bonang makuni
40	**65A2GA10B**	**#2 DUKWI TRANSFER PUMP - Overhaul pump**	**8 hrs**	**Fri 19/05/23 10:45**	**Sat 20/05/23 08:15**	**31**	
41		Issue permit to work	0.25 hrs	Fri 19/05/23 10:45	Fri 19/05/23 11:00		Operations
42		Accept permit	0.25 hrs	Fri 19/05/23 11:00	Fri 19/05/23 11:15	41	Bakang Setshogo,Bonang makuni

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
43		Carry out risk assessment	0.25 hrs	Fri 19/05/23 11:15	Fri 19/05/23 11:30	42	Bakang Setshogo,Bonang makuni
44		Undo suction and discharge pipe flange bolts	0.5 hrs	Fri 19/05/23 11:30	Fri 19/05/23 12:00	43	Bakang Setshogo,Bonang makuni,Reliab
45		Undo the coupling and pump mounting bolts	0.5 hrs	Fri 19/05/23 12:30	Fri 19/05/23 13:00	44	Bakang Setshogo,Bonang makuni
46		Rig out the pump	0.5 hrs	Fri 19/05/23 13:00	Fri 19/05/23 13:30	45	Crane,G Moeseraela,K Gabantogele,T M
47		Clean the mounting base	0.5 hrs	Fri 19/05/23 13:30	Fri 19/05/23 14:00	46	Bakang Setshogo,Bonang makuni
48		Rig in the replacement pump and position	0.5 hrs	Fri 19/05/23 14:00	Fri 19/05/23 14:30	47	Crane,G Moeseraela,K Gabantogele,T M
49		Insert pump mounting bolts and slightly tighten them	0.5 hrs	Fri 19/05/23 14:30	Fri 19/05/23 15:00	48	Bakang Setshogo,Bonang makuni
50		Bolt the suction and discharge flanges	1 hr	Fri 19/05/23 15:00	Fri 19/05/23 16:00	49	Bakang Setshogo,Bonang makuni
51		Tighten pump mounting bolts and flanges	0.5 hrs	Fri 19/05/23 16:00	Fri 19/05/23 16:30	50	Bakang Setshogo,Bonang makuni,Reliab
52		Position the motor and carry out rough alignment	0.5 hrs	Fri 19/05/23 16:30	Fri 19/05/23 17:00	51	Bakang Setshogo,Bonang makuni,Reliab
53		Set the coupling gap to approximately 3mm	1 hr	Fri 19/05/23 17:00	Fri 19/05/23 18:00	52	Bakang Setshogo,Bonang makuni,Reliab
54		Carry out laser alignment	0.5 hrs	Sat 20/05/23 07:00	Sat 20/05/23 07:30	53	Bakang Setshogo,Bonang makuni,Reliab
55		Box up	0.5 hrs	Sat 20/05/23 07:30	Sat 20/05/23 08:00	54	Bakang Setshogo,Bonang makuni
56		Clear permit	0.25 hrs	Sat 20/05/23 08:00	Sat 20/05/23 08:15	55	
57	**65A2GA07A**	**PORTABLE WATER RELIEVE VALVE - Carry out statutory inspection**	**5.75 hrs**	**Sat 20/05/23 08:15**	**Sat 20/05/23 14:30**	**40**	
58		Issue permit to work	0.25 hrs	Sat 20/05/23 08:15	Sat 20/05/23 08:30		Bakang Setshogo,Bonang makuni
59		Accept permit	0.25 hrs	Sat 20/05/23 08:30	Sat 20/05/23 08:45	58	Bakang Setshogo,Bonang makuni
60		Remove PSV	1 hr	Sat 20/05/23 08:45	Sat 20/05/23 09:45	59	Bakang Setshogo,Bonang makuni
61		Set PSV to 1500kpa	3 hrs	Sat 20/05/23 09:45	Sat 20/05/23 13:15	60	ELI
62		Install PSV	1 hr	Sat 20/05/23 13:15	Sat 20/05/23 14:15	61	Bakang Setshogo,Bonang makuni
63		Clear permit	0.25 hrs	Sat 20/05/23 14:15	Sat 20/05/23 14:30	62	Bakang Setshogo,Bonang makuni
64	**65A2GA10A**	**BRACKISH RELIEVE VALVE - Carry out statutory inspection**	**5.75 hrs**	**Sat 20/05/23 14:30**	**Sun 21/05/23 09:15**	**57**	
65		Issue permit to work	0.25 hrs	Sat 20/05/23 14:30	Sat 20/05/23 14:45		Operations
66		Accept permit	0.25 hrs	Sat 20/05/23 14:45	Sat 20/05/23 15:00	65	Bakang Setshogo,Bonang makuni
67		Remove PSV	1 hr	Sat 20/05/23 15:00	Sat 20/05/23 16:00	66	Bakang Setshogo,Bonang makuni
68		Set PSV to 12 bar (2 off)	3 hrs	Sat 20/05/23 16:00	Sun 21/05/23 08:00	67	ELI
69		Install PSV	1 hr	Sun 21/05/23 08:00	Sun 21/05/23 09:00	68	Bakang Setshogo,Bonang makuni
70		Clear permit	0.25 hrs	Sun 21/05/23 09:00	Sun 21/05/23 09:15	69	Bakang Setshogo,Bonang makuni
71	**65A2GA03A**	**SOFTENED WATER PUMPS A - Inspections**	**9.75 hrs**	**Fri 12/05/23 08:30**	**Sat 13/05/23 07:45**		
72		Issue permit to work	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		Operations
73		Accept Permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	72	G Kapenda,O Keamogetswe
74		Remove Guard	0.5 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:30	73	G Kapenda,O Keamogetswe
75		Inspect coupling integrity	1 hr	Fri 12/05/23 09:30	Fri 12/05/23 10:30	74	G Kapenda,O Keamogetswe
76		Inspect mounting bolts for looseness	0.5 hrs	Fri 12/05/23 10:30	Fri 12/05/23 11:00	75	G Kapenda,O Keamogetswe
77		Inspect check non return valve for correct operation	0.5 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:30	76	G Kapenda,O Keamogetswe
78		Inspect condition of the base for wear and security	1 hr	Fri 12/05/23 11:30	Fri 12/05/23 13:00	77	G Kapenda,O Keamogetswe
79		Inspect discharge and suction flange bolts for tightness	0.5 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:30	78	G Kapenda,O Keamogetswe
80		Drain used oil and refill with new oil	1.5 hrs	Fri 12/05/23 13:30	Fri 12/05/23 15:00	79	G Kapenda,O Keamogetswe
81		Carry out laser alignment	3 hrs	Fri 12/05/23 15:00	Fri 12/05/23 18:00	80	Reliability
82		Install guard	0.5 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:30	81	G Kapenda,O Keamogetswe
83		Clear permit	0.25 hrs	Sat 13/05/23 07:30	Sat 13/05/23 07:45	82	G Kapenda,O Keamogetswe
84	**65A2GA03B**	**SOFTENED WATER PUMPS B - Inspections**	**9.75 hrs**	**Sat 13/05/23 07:45**	**Sat 13/05/23 18:00**	**71**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
85		Issue permit to work	0.25 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:00		Operations
86		Accept Permit	0.25 hrs	Sat 13/05/23 08:00	Sat 13/05/23 08:15	85	G Kapenda,O Keamogetswe
87		Remove Guard	0.5 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:45	86	G Kapenda,O Keamogetswe
88		Inspect coupling integrity	1 hr	Sat 13/05/23 08:45	Sat 13/05/23 09:45	87	G Kapenda,O Keamogetswe
89		Inspect mounting bolts for looseness	0.5 hrs	Sat 13/05/23 09:45	Sat 13/05/23 10:15	88	G Kapenda,O Keamogetswe
90		Inspect check non return valve for correct operation	0.5 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:45	89	G Kapenda,O Keamogetswe
91		Inspect condition of the base for wear and security	1 hr	Sat 13/05/23 10:45	Sat 13/05/23 11:45	90	G Kapenda,O Keamogetswe
92		Inspect discharge and suction flange bolts for tightness	0.5 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:45	91	G Kapenda,O Keamogetswe
93		Drain used oil and refill with new oil	1.5 hrs	Sat 13/05/23 12:45	Sat 13/05/23 14:15	92	G Kapenda,O Keamogetswe
94		Carry out laser alignment	3 hrs	Sat 13/05/23 14:15	Sat 13/05/23 17:15	93	Reliability
95		Install guard	0.5 hrs	Sat 13/05/23 17:15	Sat 13/05/23 17:45	94	G Kapenda,O Keamogetswe
96		Clear permit	0.25 hrs	Sat 13/05/23 17:45	Sat 13/05/23 18:00	95	G Kapenda,O Keamogetswe
97		**SOFTENED WATER PUMPS - Replace carbon steel pipe with stainless steel**	**55.5 hrs**	**Fri 12/05/23 08:30**	**Wed 17/05/23 11:30**		
98		Erect scaffolding prior	0 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:30		Tshepo Themba
99		Fabricate replacement pipes prior	0 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:30	98	Tshepo Themba
100		Make out permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45	99	G Kapenda
101		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	100	Tshepo Themba
102		Carry out risk assessment	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	101	Tshepo Themba
103		Undo and remove flange bolts	8 hrs	Fri 12/05/23 09:15	Fri 12/05/23 17:45	102	Tshepo Themba
104		Rig out old pipes	12 hrs	Fri 12/05/23 17:45	Sun 14/05/23 08:15	103	Tshepo Themba
105		Rig in new pipes	24 hrs	Sun 14/05/23 08:15	Tue 16/05/23 11:15	104	Tshepo Themba
106		Align pipes and install bolts	6 hrs	Tue 16/05/23 11:15	Tue 16/05/23 17:45	105	Tshepo Themba
107		Tighten bolts	4 hrs	Tue 16/05/23 17:45	Wed 17/05/23 10:45	106	Tshepo Themba
108		Carry out housekeeping	0.5 hrs	Wed 17/05/23 10:45	Wed 17/05/23 11:15	107	Tshepo Themba
109		Clear permit	0.25 hrs	Wed 17/05/23 11:15	Wed 17/05/23 11:30	108	G Kapenda,Operations
110	**65A2FB03**	**SOFTENED WATER TANK - Service suction Valves**	**11 hrs**	**Sat 13/05/23 18:00**	**Mon 15/05/23 07:30**	**84**	
111		Drain tank prior	0 hrs	Sat 13/05/23 18:00	Sat 13/05/23 18:00		
112		Issue permit to work	0.25 hrs	Sat 13/05/23 18:00	Sat 13/05/23 18:15	111	Operations
113		Accept permit	0.25 hrs	Sun 14/05/23 07:00	Sun 14/05/23 07:15	112	G Kapenda,O Keamogetswe
114		Carry out risk assessment	0.25 hrs	Sun 14/05/23 07:15	Sun 14/05/23 07:30	113	Contractor,G Kapenda,O Keamogetswe
115		Remove valve	2 hrs	Sun 14/05/23 07:30	Sun 14/05/23 09:30	114	G Kapenda,O Keamogetswe,G Moesera
116		Transport to workshop	0.5 hrs	Sun 14/05/23 09:30	Sun 14/05/23 10:00	115	G Moeseraela,T Moloi,K Gabantogele
117		Overhaul valve	4 hrs	Sun 14/05/23 10:00	Sun 14/05/23 14:30	116	Major Valves
118		Transport valve to site	0.5 hrs	Sun 14/05/23 14:30	Sun 14/05/23 15:00	117	G Moeseraela,T Moloi,K Gabantogele
119		Rig in and align valve	2 hrs	Sun 14/05/23 15:00	Sun 14/05/23 17:00	118	G Kapenda,O Keamogetswe,G Moesera
120		Tighten bolts	1 hr	Sun 14/05/23 17:00	Sun 14/05/23 18:00	119	G Kapenda,O Keamogetswe
121		Carry out housekeeping	0.25 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:15	120	G Kapenda,O Keamogetswe
122		Clear permit	0.25 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:30	121	G Kapenda,O Keamogetswe
123		**INSTRUMENTATION**	**28.75 hrs**	**Fri 12/05/23 08:30**	**Sun 14/05/23 16:45**	**6**	
124	**65LSLL020**	**BRACKISH WATER TANK LEVEL SWITCH - Inspect switch**	**5.75 hrs**	**Fri 12/05/23 08:30**	**Fri 12/05/23 14:45**		
125		Make out permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		Operations
126		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	125	O Jacob,K Dijeng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
127		Remove switch	1 hr	Fri 12/05/23 09:00	Fri 12/05/23 10:00	126	O Jacob,K Dijeng
128		Inspect switch	2 hrs	Fri 12/05/23 10:00	Fri 12/05/23 12:00	127	O Jacob,K Dijeng
129		Install	1 hr	Fri 12/05/23 12:30	Fri 12/05/23 13:30	128	O Jacob,K Dijeng
130		Carry out trip check	1 hr	Fri 12/05/23 13:30	Fri 12/05/23 14:30	129	O Jacob,K Dijeng
131		Clear permit	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45	130	O Jacob,K Dijeng
132	**65PSL009**	**BRACKISH WATER PRESSURE - Inspect switch**	**5.75 hrs**	**Fri 12/05/23 14:45**	**Sat 13/05/23 09:30**	**124**	
133		Make out permit	0.25 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:00		Operations
134		Accept permit	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	133	O Jacob,K Dijeng
135		Remove switch	1 hr	Fri 12/05/23 15:15	Fri 12/05/23 16:15	134	O Jacob,K Dijeng
136		Inspect switch	2 hrs	Fri 12/05/23 16:15	Sat 13/05/23 07:15	135	O Jacob,K Dijeng
137		Install	1 hr	Sat 13/05/23 07:15	Sat 13/05/23 08:15	136	O Jacob,K Dijeng
138		Carry out trip check	1 hr	Sat 13/05/23 08:15	Sat 13/05/23 09:15	137	O Jacob,K Dijeng
139		Clear permit	0.25 hrs	Sat 13/05/23 09:15	Sat 13/05/23 09:30	138	O Jacob,K Dijeng
140	**65LSLL017**	**SOFT WATER TANK LEVEL TRIP – Inspect switch**	**5.75 hrs**	**Sat 13/05/23 09:30**	**Sat 13/05/23 15:45**	**139**	
141		Make out permit	0.25 hrs	Sat 13/05/23 09:30	Sat 13/05/23 09:45		Operations
142		Accept permit	0.25 hrs	Sat 13/05/23 09:45	Sat 13/05/23 10:00	141	O Jacob,K Dijeng
143		Remove switch	1 hr	Sat 13/05/23 10:00	Sat 13/05/23 11:00	142	O Jacob,K Dijeng
144		Inspect switch	2 hrs	Sat 13/05/23 11:00	Sat 13/05/23 13:30	143	O Jacob,K Dijeng
145		Install	1 hr	Sat 13/05/23 13:30	Sat 13/05/23 14:30	144	O Jacob,K Dijeng
146		Carry out trip check	1 hr	Sat 13/05/23 14:30	Sat 13/05/23 15:30	145	O Jacob,K Dijeng
147		Clear permit	0.25 hrs	Sat 13/05/23 15:30	Sat 13/05/23 15:45	146	O Jacob,K Dijeng
148	**65LSLL018**	**SOFT WATER TANK LEVEL TRIP – Inspect switch**	**5.75 hrs**	**Sat 13/05/23 15:45**	**Sun 14/05/23 10:30**	**140**	
149		Make out permit	0.25 hrs	Sat 13/05/23 15:45	Sat 13/05/23 16:00		Operations
150		Accept permit	0.25 hrs	Sat 13/05/23 16:00	Sat 13/05/23 16:15	149	O Jacob,K Dijeng
151		Remove switch	1 hr	Sat 13/05/23 16:15	Sat 13/05/23 17:15	150	O Jacob,K Dijeng
152		Inspect switch	2 hrs	Sat 13/05/23 17:15	Sun 14/05/23 08:15	151	O Jacob,K Dijeng
153		Install	1 hr	Sun 14/05/23 08:15	Sun 14/05/23 09:15	152	O Jacob,K Dijeng
154		Carry out trip check	1 hr	Sun 14/05/23 09:15	Sun 14/05/23 10:15	153	O Jacob,K Dijeng
155		Clear permit	0.25 hrs	Sun 14/05/23 10:15	Sun 14/05/23 10:30	154	O Jacob,K Dijeng
156	**65LSLL019**	**SOFT WATER TANK LEVEL TRIP – Inspect switch**	**5.75 hrs**	**Sun 14/05/23 10:30**	**Sun 14/05/23 16:45**	**148**	
157		Make out permit	0.25 hrs	Sun 14/05/23 10:30	Sun 14/05/23 10:45		Operations
158		Accept permit	0.25 hrs	Sun 14/05/23 10:45	Sun 14/05/23 11:00	157	O Jacob,K Dijeng
159		Remove switch	1 hr	Sun 14/05/23 11:00	Sun 14/05/23 12:00	158	O Jacob,K Dijeng
160		Inspect switch	2 hrs	Sun 14/05/23 12:30	Sun 14/05/23 14:30	159	O Jacob,K Dijeng
161		Install	1 hr	Sun 14/05/23 14:30	Sun 14/05/23 15:30	160	O Jacob,K Dijeng
162		Carry out trip check	1 hr	Sun 14/05/23 15:30	Sun 14/05/23 16:30	161	O Jacob,K Dijeng
163		Clear permit	0.25 hrs	Sun 14/05/23 16:30	Sun 14/05/23 16:45	162	O Jacob,K Dijeng
164		**ELECTRICAL**	**74.75 hrs**	**Fri 12/05/23 08:30**	**Fri 19/05/23 09:45**	**6**	
165	**27B2EA09**	**TRIM HEATER CONDENSATE PUMP - Carry out maintenance on electrical components**	**3.25 hrs**	**Fri 12/05/23 08:30**	**Fri 12/05/23 11:45**		
166		Accept permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		
167		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	166	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
168		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	167	L Majoo,Electrician1
169		Check Contactor contacts connections	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30	168	L Majoo,Electrician1
170		Confirm correct setting of protections	0.25 hrs	Fri 12/05/23 09:30	Fri 12/05/23 09:45	169	L Majoo,Electrician1
171		Service Stop/start	0.5 hrs	Fri 12/05/23 09:45	Fri 12/05/23 10:15	170	L Majoo,Electrician1
172		Check motor fan condition	0.5 hrs	Fri 12/05/23 10:15	Fri 12/05/23 10:45	171	L Majoo,Electrician1
173		Check cable terminal leads for over heating	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	172	L Majoo,Electrician1
174		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:15	173	L Majoo,Electrician1
175		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 11:15	Fri 12/05/23 11:30	174	L Majoo,Electrician1
176		Clear permit	0.25 hrs	Fri 12/05/23 11:30	Fri 12/05/23 11:45	175	L Majoo,Electrician1
177	**21A2GA03A**	**HIGH PRESSURE PUMP A - Carry out maintenance on electrical components**	**3.5 hrs**	**Fri 12/05/23 11:45**	**Fri 12/05/23 15:45**	**165**	
178		Make out permit	0.25 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:00		
179		Accept permit	0.25 hrs	Fri 12/05/23 12:30	Fri 12/05/23 12:45	178	L Majoo,Electrician1
180		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:00	179	L Majoo,Electrician1
181		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:15	180	L Majoo,Electrician1
182		Check Contactor contacts connections	0.25 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:30	181	L Majoo,Electrician1
183		Confirm correct setting of protections	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45	182	L Majoo,Electrician1
184		Service Stop/start	0.5 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:15	183	L Majoo,Electrician1
185		Check motor fan condition	0.5 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:45	184	L Majoo,Electrician1
186		Check cable terminal leads for over heating	0.25 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:00	185	L Majoo,Electrician1
187		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	186	L Majoo,Electrician1
188		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:30	187	L Majoo,Electrician1
189		Clear permit	0.25 hrs	Fri 12/05/23 15:30	Fri 12/05/23 15:45	188	L Majoo,Electrician1
190	**21A2GA04B**	**HIGH PRESSURE PUMP B - Carry out maintenance on electrical components**	**3.5 hrs**	**Fri 12/05/23 15:45**	**Sat 13/05/23 08:15**	**177**	
191		Make out permit	0.25 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:00		
192		Accept permit	0.25 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:15	191	L Majoo,Electrician1
193		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 16:15	Fri 12/05/23 16:30	192	L Majoo,Electrician1
194		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 16:30	Fri 12/05/23 16:45	193	L Majoo,Electrician1
195		Check Contactor contacts connections	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	194	L Majoo,Electrician1
196		Confirm correct setting of protections	0.25 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:15	195	L Majoo,Electrician1
197		Service Stop/start	0.5 hrs	Fri 12/05/23 17:15	Fri 12/05/23 17:45	196	L Majoo,Electrician1
198		Check motor fan condition	0.5 hrs	Fri 12/05/23 17:45	Sat 13/05/23 07:15	197	L Majoo,Electrician1
199		Check cable terminal leads for over heating	0.25 hrs	Sat 13/05/23 07:15	Sat 13/05/23 07:30	198	L Majoo,Electrician1
200		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 13/05/23 07:30	Sat 13/05/23 07:45	199	L Majoo,Electrician1
201		Seal for Moisture and dust.	0.25 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:00	200	L Majoo,Electrician1
202		Clear permit	0.25 hrs	Sat 13/05/23 08:00	Sat 13/05/23 08:15	201	L Majoo,Electrician1
203	**21A2GA01A**	**HOT WASH CIRCULATION PUMP A - Carry out maintenance on electrical components**	**54.25 hrs**	**Sat 13/05/23 08:15**	**Thu 18/05/23 10:00**	**190**	
204		Make out permit	0.25 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:30		
205		Accept permit	0.25 hrs	Sat 13/05/23 08:30	Sat 13/05/23 08:45	204	L Majoo,Electrician1
206		Carry out electrical isolation	0.25 hrs	Sat 13/05/23 08:45	Sat 13/05/23 09:00	205	L Majoo,Electrician1
207		Disconnect motor	0.5 hrs	Sat 13/05/23 09:00	Sat 13/05/23 09:30	206	L Majoo,Electrician1
208		Send motor for repairs	48 hrs	Sat 13/05/23 09:30	Wed 17/05/23 16:00	207	L Majoo,Electrician1,Riggers,M_Crane7

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
209		Check loose connections in the panel	0.25 hrs	Wed 17/05/23 16:00	Wed 17/05/23 16:15	208	L Majoo,Electrician1
210		Check Contactor contacts/soft starter connetions	0.25 hrs	Wed 17/05/23 16:15	Wed 17/05/23 16:30	209	L Majoo,Electrician1
211		Confirm correct setting of protections	0.25 hrs	Wed 17/05/23 16:30	Wed 17/05/23 16:45	210	L Majoo,Electrician1
212		Service Stop/start	0.5 hrs	Wed 17/05/23 16:45	Wed 17/05/23 17:15	211	L Majoo,Electrician1
213		Install motor	1.5 hrs	Wed 17/05/23 17:15	Thu 18/05/23 07:45	212	Riggers,M_Crane7T
214		Connect motor	0.75 hrs	Thu 18/05/23 07:45	Thu 18/05/23 08:30	213	L Majoo,Electrician1
215		Check motor fan condition	0.5 hrs	Thu 18/05/23 08:30	Thu 18/05/23 09:00	214	L Majoo,Electrician1
216		Check cable terminal leads for over heating	0.25 hrs	Thu 18/05/23 09:00	Thu 18/05/23 09:15	215	L Majoo,Electrician1
217		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 18/05/23 09:15	Thu 18/05/23 09:30	216	L Majoo,Electrician1
218		Seal for Moisture and dust.	0.25 hrs	Thu 18/05/23 09:30	Thu 18/05/23 09:45	217	L Majoo,Electrician1
219		Clear permit	0.25 hrs	Thu 18/05/23 09:45	Thu 18/05/23 10:00	218	L Majoo,Electrician1
220	**21A2GA02B**	**HOT WASH CIRCULATION PUMP B - Carry out maintenance on electrical components**	**3.25 hrs**	**Thu 18/05/23 10:00**	**Thu 18/05/23 13:45**	**203**	
221		Make out permit	0.25 hrs	Thu 18/05/23 10:00	Thu 18/05/23 10:15		Operations
222		Accept permit	0.25 hrs	Thu 18/05/23 10:15	Thu 18/05/23 10:30	221	L Majoo,Electrician1
223		Carry out electrical isolation	0.25 hrs	Thu 18/05/23 10:30	Thu 18/05/23 10:45	222	L Majoo,Electrician1
224		Check loose connections in the panel	0.25 hrs	Thu 18/05/23 10:45	Thu 18/05/23 11:00	223	L Majoo,Electrician1
225		Confirm correct setting of protections	0.25 hrs	Thu 18/05/23 11:00	Thu 18/05/23 11:15	224	L Majoo,Electrician1
226		Service Stop/start	0.5 hrs	Thu 18/05/23 11:15	Thu 18/05/23 11:45	225	L Majoo,Electrician1
227		Check motor fan condition	0.5 hrs	Thu 18/05/23 11:45	Thu 18/05/23 12:45	226	L Majoo,Electrician1
228		Check cable terminal leads for over heating	0.25 hrs	Thu 18/05/23 12:45	Thu 18/05/23 13:00	227	L Majoo,Electrician1
229		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 18/05/23 13:00	Thu 18/05/23 13:15	228	L Majoo,Electrician1
230		Seal for Moisture and dust.	0.25 hrs	Thu 18/05/23 13:15	Thu 18/05/23 13:30	229	L Majoo,Electrician1
231		Clear permit	0.25 hrs	Thu 18/05/23 13:30	Thu 18/05/23 13:45	230	L Majoo,Electrician1
232	**27B2GA01B**	**HOT WASH PUMP B - Carry out maintenance on electrical components**	**3.5 hrs**	**Thu 18/05/23 13:45**	**Thu 18/05/23 17:15**	**220**	
233		Make out permit	0.25 hrs	Thu 18/05/23 13:45	Thu 18/05/23 14:00		Operations
234		Accept permit	0.25 hrs	Thu 18/05/23 14:00	Thu 18/05/23 14:15	233	L Majoo,Electrician1
235		Carry out electrical isolation	0.25 hrs	Thu 18/05/23 14:15	Thu 18/05/23 14:30	234	L Majoo,Electrician1
236		Check loose connections in the panel	0.25 hrs	Thu 18/05/23 14:30	Thu 18/05/23 14:45	235	L Majoo,Electrician1
237		Check Contactor contacts/soft starter connetions	0.25 hrs	Thu 18/05/23 14:45	Thu 18/05/23 15:00	236	L Majoo,Electrician1
238		Confirm correct setting of protections	0.25 hrs	Thu 18/05/23 15:00	Thu 18/05/23 15:15	237	L Majoo,Electrician1
239		Service Stop/start	0.5 hrs	Thu 18/05/23 15:15	Thu 18/05/23 15:45	238	L Majoo,Electrician1
240		Check motor fan condition	0.5 hrs	Thu 18/05/23 15:45	Thu 18/05/23 16:15	239	L Majoo,Electrician1
241		Check cable terminal leads for over heating	0.25 hrs	Thu 18/05/23 16:15	Thu 18/05/23 16:30	240	L Majoo,Electrician1
242		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 18/05/23 16:30	Thu 18/05/23 16:45	241	L Majoo,Electrician1
243		Seal for Moisture and dust.	0.25 hrs	Thu 18/05/23 16:45	Thu 18/05/23 17:00	242	L Majoo,Electrician1
244		Clear permit	0.25 hrs	Thu 18/05/23 17:00	Thu 18/05/23 17:15	243	L Majoo,Electrician1
245	**27A2GK01**	**HOT WASH PUMP A - Carry out maintenance on electrical components**	**3.5 hrs**	**Thu 18/05/23 17:15**	**Fri 19/05/23 09:45**	**232**	
246		Make out permit	0.25 hrs	Thu 18/05/23 17:15	Thu 18/05/23 17:30		Operations
247		Accept permit	0.25 hrs	Thu 18/05/23 17:30	Thu 18/05/23 17:45	246	L Majoo,Electrician1
248		Carry out electrical isolation	0.25 hrs	Thu 18/05/23 17:45	Thu 18/05/23 18:00	247	L Majoo,Electrician1
249		Check loose connections in the panel	0.25 hrs	Fri 19/05/23 07:00	Fri 19/05/23 07:15	248	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
250		Check Contactor contacts/soft starter connetions	0.25 hrs	Fri 19/05/23 07:15	Fri 19/05/23 07:30	249	L Majoo,Electrician1
251		Confirm correct setting of protections	0.25 hrs	Fri 19/05/23 07:30	Fri 19/05/23 07:45	250	L Majoo,Electrician1
252		Service Stop/start	0.5 hrs	Fri 19/05/23 07:45	Fri 19/05/23 08:15	251	L Majoo,Electrician1
253		Check motor fan condition	0.5 hrs	Fri 19/05/23 08:15	Fri 19/05/23 08:45	252	L Majoo,Electrician1
254		Check cable terminal leads for over heating	0.25 hrs	Fri 19/05/23 08:45	Fri 19/05/23 09:00	253	L Majoo,Electrician1
255		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 19/05/23 09:00	Fri 19/05/23 09:15	254	L Majoo,Electrician1
256		Seal for Moisture and dust.	0.25 hrs	Fri 19/05/23 09:15	Fri 19/05/23 09:30	255	L Majoo,Electrician1
257		Clear permit	0.25 hrs	Fri 19/05/23 09:30	Fri 19/05/23 09:45	256	L Majoo,Electrician1
258		**CIVILS**	**97 hrs**	**Fri 12/05/23 08:30**	**Sun 21/05/23 11:00**	**6**	
259	**65A2GA03A**	**SOFTENED WATER PUMP #1 - Recast concrete base**	**60.25 hrs**	**Fri 12/05/23 08:30**	**Wed 17/05/23 16:45**		
260		Weave reinforcement prior	0 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:30		Builders
261		Issue Permit To Work	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45	260	Operations
262		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	261	Bakang Setshogo,Bonang makuni
263		Carry out risk assessment	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	262	Bakang Setshogo,Bonang makuni
264		Erect formwork	8 hrs	Fri 12/05/23 09:15	Fri 12/05/23 17:45	263	Builders
265		Formwork	8 hrs	Fri 12/05/23 17:45	Sat 13/05/23 15:15	264	Builders
266		Lay reinforcement	8 hrs	Sat 13/05/23 15:15	Sun 14/05/23 12:45	265	Builders
267		Cast new bases	12 hrs	Sun 14/05/23 12:45	Mon 15/05/23 14:15	266	Builders
268		Curing time	48 hrs	Mon 15/05/23 14:15	Wed 17/05/23 14:15	267	
269		Housekeeping	2 hrs	Wed 17/05/23 14:15	Wed 17/05/23 16:15	268	Builders
270		Clear Permit To Work	0.5 hrs	Wed 17/05/23 16:15	Wed 17/05/23 16:45	269	Bakang Setshogo,Operations
271	**65A2GA03B**	**SOFTENED WATER PUMP #2 - Recast concrete base**	**60.25 hrs**	**Mon 15/05/23 14:15**	**Sun 21/05/23 11:00**		
272		Weave reinforcement prior	0 hrs	Mon 15/05/23 14:15	Mon 15/05/23 14:15	267	Builders
273		Issue Permit To Work	0.25 hrs	Mon 15/05/23 14:15	Mon 15/05/23 14:30	272	Operations
274		Accept permit	0.25 hrs	Mon 15/05/23 14:30	Mon 15/05/23 14:45	273	Bakang Setshogo,Bonang makuni
275		Carry out risk assessment	0.25 hrs	Mon 15/05/23 14:45	Mon 15/05/23 15:00	274	Bakang Setshogo,Bonang makuni
276		Erect formwork	8 hrs	Mon 15/05/23 15:00	Tue 16/05/23 12:00	275	Builders
277		Formwork	8 hrs	Tue 16/05/23 12:30	Wed 17/05/23 09:30	276	Builders
278		Lay reinforcement	8 hrs	Wed 17/05/23 09:30	Wed 17/05/23 18:00	277	Builders
279		Cast new bases	12 hrs	Thu 18/05/23 07:00	Fri 19/05/23 08:30	278	Builders
280		Curing time	48 hrs	Fri 19/05/23 08:30	Sun 21/05/23 08:30	279	
281		Housekeeping	2 hrs	Sun 21/05/23 08:30	Sun 21/05/23 10:30	280	Builders
282		Clear Permit To Work	0.5 hrs	Sun 21/05/23 10:30	Sun 21/05/23 11:00	281	Bakang Setshogo,Operations
283	**65A2GA05A**	**BRACKISH WATER PUMP #1 - Repair concrete base**	**30.75 hrs**	**Fri 12/05/23 08:30**	**Mon 15/05/23 07:45**		
284		Issue Permit To Work	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		Operations
285		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	284	Bakang Setshogo,Bonang makuni
286		Carry out risk assessment	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	285	Bakang Setshogo,Bonang makuni
287		Repair grouting (1600mm x 850mm x50mm)	8 hrs	Fri 12/05/23 09:15	Fri 12/05/23 17:45	286	Builders
288		Curing time	48 hrs	Fri 12/05/23 17:45	Sun 14/05/23 17:45	287	
289		Housekeeping	0.5 hrs	Sun 14/05/23 17:45	Mon 15/05/23 07:15	288	Builders
290		Clear Permit To Work	0.5 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:45	289	Bakang Setshogo,Operations
291	**65A2GA05B**	**BRACKISH WATER PUMP #2 - Repair concrete base**	**30.75 hrs**	**Fri 12/05/23 08:30**	**Mon 15/05/23 07:45**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
292		Issue Permit To Work	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		Operations
293		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	292	Bakang Setshogo,Bonang makuni
294		Carry out risk assessment	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	293	Bakang Setshogo,Bonang makuni
295		Repair grouting (1600mm x 850mm x50mm)	8 hrs	Fri 12/05/23 09:15	Fri 12/05/23 17:45	294	Builders
296		Curing time	48 hrs	Fri 12/05/23 17:45	Sun 14/05/23 17:45	295	
297		Housekeeping	0.5 hrs	Sun 14/05/23 17:45	Mon 15/05/23 07:15	296	Builders
298		Clear Permit To Work	0.5 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:45	297	Bakang Setshogo,Operations
299	**65A2GA07A**	**#1 POTABLE WATER PUMP - Repair concrete base**	**51.25 hrs**	**Fri 12/05/23 17:45**	**Wed 17/05/23 16:30**		
300		Weave reinforcement prior	0 hrs	Fri 12/05/23 17:45	Fri 12/05/23 17:45	295	Builders
301		Issue Permit To Work	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00	300	Operations
302		Accept permit	0.25 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:15	301	Bakang Setshogo,Bonang makuni
303		Carry out risk assessment	0.25 hrs	Sat 13/05/23 07:15	Sat 13/05/23 07:30	302	Bakang Setshogo,Bonang makuni
304		Erect formwork	8 hrs	Sat 13/05/23 07:30	Sat 13/05/23 16:00	303	Builders
305		Lay reinforcement	8 hrs	Sat 13/05/23 16:00	Sun 14/05/23 13:30	304	Builders
306		Cast concrete	12 hrs	Sun 14/05/23 13:30	Mon 15/05/23 15:00	305	Builders
307		Curing time	48 hrs	Mon 15/05/23 15:00	Wed 17/05/23 15:00	306	
308		Housekeeping	1 hr	Wed 17/05/23 15:00	Wed 17/05/23 16:00	307	Builders
309		Clear Permit To Work	0.5 hrs	Wed 17/05/23 16:00	Wed 17/05/23 16:30	308	Bakang Setshogo,Operations
310	**65A2GA07B**	**#2 POTABLE WATER PUMP - Repair concrete base**	**51.25 hrs**	**Mon 15/05/23 15:00**	**Sat 20/05/23 13:45**		
311		Weave reinforcement prior	0 hrs	Mon 15/05/23 15:00	Mon 15/05/23 15:00	306	Builders
312		Issue Permit To Work	0.25 hrs	Mon 15/05/23 15:00	Mon 15/05/23 15:15	311	Operations
313		Accept permit	0.25 hrs	Mon 15/05/23 15:15	Mon 15/05/23 15:30	312	Bakang Setshogo,Bonang makuni
314		Carry out risk assessment	0.25 hrs	Mon 15/05/23 15:30	Mon 15/05/23 15:45	313	Bakang Setshogo,Bonang makuni
315		Erect formwork	8 hrs	Mon 15/05/23 15:45	Tue 16/05/23 13:15	314	Builders
316		Lay reinforcement	8 hrs	Tue 16/05/23 13:15	Wed 17/05/23 10:15	315	Builders
317		Cast concrete	12 hrs	Wed 17/05/23 10:15	Thu 18/05/23 11:45	316	Builders
318		Curing time	48 hrs	Thu 18/05/23 11:45	Sat 20/05/23 11:45	317	
319		Housekeeping	1 hr	Sat 20/05/23 11:45	Sat 20/05/23 13:15	318	Builders
320		Clear Permit To Work	0.5 hrs	Sat 20/05/23 13:15	Sat 20/05/23 13:45	319	Bakang Setshogo,Operations
321	**65A2GA04A**	**#1 RAW WATER PUMP - Repair concrete base**	**51.25 hrs**	**Fri 12/05/23 08:30**	**Wed 17/05/23 07:15**		
322		Weave reinforcement prior	0 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:30		Builders
323		Issue Permit To Work	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45	322	Operations
324		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	323	Bakang Setshogo
325		Carry out risk assessment	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	324	Bakang Setshogo,Bonang makuni
326		Erect formwork	8 hrs	Fri 12/05/23 09:15	Fri 12/05/23 17:45	325	Builders
327		Lay reinforcement	8 hrs	Fri 12/05/23 17:45	Sat 13/05/23 15:15	326	Builders
328		Cast concrete	12 hrs	Sat 13/05/23 15:15	Sun 14/05/23 16:45	327	Builders
329		Curing time	48 hrs	Sun 14/05/23 16:45	Tue 16/05/23 16:45	328	
330		Housekeeping	1 hr	Tue 16/05/23 16:45	Tue 16/05/23 17:45	329	Builders
331		Clear Permit To Work	0.75 hrs	Tue 16/05/23 17:45	Wed 17/05/23 07:15	330	Bakang Setshogo,Operations
332	**65A2GA04B**	**#2 RAW WATER PUMP - Repair concrete base**	**51.25 hrs**	**Sun 14/05/23 16:45**	**Fri 19/05/23 15:30**		
333		Weave reinforcement prior	0 hrs	Sun 14/05/23 16:45	Sun 14/05/23 16:45	328	Builders

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
334			Issue Permit To Work	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	333	Operations
335			Accept permit	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	334	Bakang Setshogo
336			Carry out risk assessment	0.25 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:30	335	Bakang Setshogo,Bonang makuni
337			Erect formwork	8 hrs	Sun 14/05/23 17:30	Mon 15/05/23 15:00	336	Builders
338			Lay reinforcement	8 hrs	Mon 15/05/23 15:00	Tue 16/05/23 12:00	337	Builders
339			Cast concrete	12 hrs	Tue 16/05/23 12:30	Wed 17/05/23 14:00	338	Builders
340			Curing time	48 hrs	Wed 17/05/23 14:00	Fri 19/05/23 14:00	339	
341			Housekeeping	1 hr	Fri 19/05/23 14:00	Fri 19/05/23 15:00	340	Builders
342			Clear Permit To Work	0.5 hrs	Fri 19/05/23 15:00	Fri 19/05/23 15:30	341	Bakang Setshogo,Operations
343		**Area 65A**	**FIRE HYDRANT SYSTEM**	**115.5 hrs**	**Fri 12/05/23 08:30**	**Tue 23/05/23 08:30**	**4SS**	
344			**MAINTENANCE STARTS**	**0 hrs**	**Fri 12/05/23 08:30**	**Fri 12/05/23 08:30**	**5SS**	
345			Maintenance jobs commence	0 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:30		
346			**MECHANICAL**	**115.5 hrs**	**Fri 12/05/23 08:30**	**Tue 23/05/23 08:30**	**345**	
347		**65B2GA01**	**FIRE HYDRANTS JOCKEY PUMPS - Inspect Fire Hydrant Pump**	**58 hrs**	**Fri 12/05/23 08:30**	**Wed 17/05/23 14:30**		
348			Make Out Permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		Operations
349			Accept Permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	348	G Kapenda,O Keamogetswe
350			Remove Guard	0.5 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:30	349	G Kapenda,O Keamogetswe
351			Remove pump	1 hr	Fri 12/05/23 09:30	Fri 12/05/23 10:30	350	G Kapenda,O Keamogetswe,Riggers
352			Transport to workshop	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45	351	G Kapenda,O Keamogetswe
353			Inspect Coupling	1 hr	Fri 12/05/23 10:45	Fri 12/05/23 11:45	352	G Kapenda,O Keamogetswe
354			Open check non return valve	0.5 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:45	353	G Kapenda,O Keamogetswe
355			Check all flanges both discharge& suction	0.5 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:15	354	G Kapenda,O Keamogetswe
356			Inspect all belows	1 hr	Fri 12/05/23 13:15	Fri 12/05/23 14:15	355	G Kapenda,O Keamogetswe
357			Drain& Refill Oil	1.5 hrs	Fri 12/05/23 14:15	Fri 12/05/23 15:45	356	G Kapenda,O Keamogetswe
358			Repack glands	1 hr	Fri 12/05/23 15:45	Fri 12/05/23 16:45	357	G Kapenda,O Keamogetswe
359			Transport to site	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	358	G Kapenda,O Keamogetswe
360			Install pump	2 hrs	Wed 17/05/23 08:15	Wed 17/05/23 10:15	359,462	G Kapenda,O Keamogetswe,Riggers
361			Carry Out or cross check Laser Alignment	3 hrs	Wed 17/05/23 10:15	Wed 17/05/23 13:45	360	Reliability
362			Replace Guard	0.5 hrs	Wed 17/05/23 13:45	Wed 17/05/23 14:15	361	G Kapenda,O Keamogetswe
363			Clear Permit	0.25 hrs	Wed 17/05/23 14:15	Wed 17/05/23 14:30	362	G Kapenda,O Keamogetswe
364		**65B2GA03**	**FIRE HYDRANTS ELECTRIC PUMPS - Inspect Fire Hydrant Pump**	**28.75 hrs**	**Wed 17/05/23 14:30**	**Sat 20/05/23 11:15**	**347**	
365			Make Out Permit	0.25 hrs	Wed 17/05/23 14:30	Wed 17/05/23 14:45		Operations
366			Accept Permit	0.25 hrs	Wed 17/05/23 14:45	Wed 17/05/23 15:00	365	G Kapenda,O Keamogetswe
367			Remove Guard	0.5 hrs	Wed 17/05/23 15:00	Wed 17/05/23 15:30	366	G Kapenda,O Keamogetswe
368			Remove pump	1 hr	Wed 17/05/23 15:30	Wed 17/05/23 16:30	367	G Kapenda,O Keamogetswe
369			Transport to workshop	0.25 hrs	Wed 17/05/23 16:30	Wed 17/05/23 16:45	368	G Kapenda,O Keamogetswe
370			Inspect Coupling	1 hr	Wed 17/05/23 16:45	Wed 17/05/23 17:45	369	G Kapenda,O Keamogetswe
371			Open check non return valve	0.5 hrs	Wed 17/05/23 17:45	Thu 18/05/23 07:15	370	G Kapenda,O Keamogetswe
372			Check all flanges both discharge& suction	0.5 hrs	Thu 18/05/23 07:15	Thu 18/05/23 07:45	371	
373			Inspect all belows	1 hr	Thu 18/05/23 07:45	Thu 18/05/23 08:45	372	
374			Drain& Refill Oil	1.5 hrs	Thu 18/05/23 08:45	Thu 18/05/23 10:15	373	
375			Repack glands	1 hr	Thu 18/05/23 10:15	Thu 18/05/23 11:15	374	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
376		Transport to site	0.25 hrs	Thu 18/05/23 11:15	Thu 18/05/23 11:30	375	G Kapenda,O Keamogetswe
377		Install pump	2 hrs	Fri 19/05/23 16:30	Sat 20/05/23 07:30	376,473	G Kapenda,O Keamogetswe
378		Carry Out or cross check Laser Alignment	3 hrs	Sat 20/05/23 07:30	Sat 20/05/23 10:30	377	G Kapenda,O Keamogetswe
379		Replace Guard	0.5 hrs	Sat 20/05/23 10:30	Sat 20/05/23 11:00	378	G Kapenda,O Keamogetswe
380		Clear Permit	0.25 hrs	Sat 20/05/23 11:00	Sat 20/05/23 11:15	379	Reliability
381	**65B2GA03**	**FIRE HYDRANTS DIESEL PUMPS - Inspect Fire Hydrant Pump**	**115.5 hrs**	**Fri 12/05/23 08:30**	**Tue 23/05/23 08:30**		
382		Make Out Permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		Operations
383		Accept Permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	382	G Kapenda,O Keamogetswe
384		Remove Guard	0.5 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:30	383	G Kapenda,O Keamogetswe
385		Remove pump	1 hr	Fri 12/05/23 09:30	Fri 12/05/23 10:30	384	G Kapenda,O Keamogetswe
386		Transport to workshop	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45	385	G Kapenda,O Keamogetswe
387		Inspect Coupling	1 hr	Fri 12/05/23 10:45	Fri 12/05/23 11:45	386	G Kapenda,O Keamogetswe
388		Open check non return valve	0.5 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:45	387	G Kapenda,O Keamogetswe
389		Check all flanges both discharge& suction	0.5 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:15	388	G Kapenda,O Keamogetswe
390		Inspect all belows	1 hr	Fri 12/05/23 13:15	Fri 12/05/23 14:15	389	G Kapenda,O Keamogetswe
391		Drain& Refill Oil	1.5 hrs	Fri 12/05/23 14:15	Fri 12/05/23 15:45	390	G Kapenda,O Keamogetswe
392		Repack glands	1 hr	Fri 12/05/23 15:45	Fri 12/05/23 16:45	391	G Kapenda,O Keamogetswe
393		Transport to site	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	392	Reliability
394		Install pump	2 hrs	Mon 22/05/23 13:45	Mon 22/05/23 15:45	393,484	G Kapenda,O Keamogetswe
395		Carry Out or cross check Laser Alignment	3 hrs	Mon 22/05/23 15:45	Tue 23/05/23 07:45	394	G Kapenda,O Keamogetswe
396		Replace Guard	0.5 hrs	Tue 23/05/23 07:45	Tue 23/05/23 08:15	395	
397		Clear Permit	0.25 hrs	Tue 23/05/23 08:15	Tue 23/05/23 08:30	396	
398	**65B2MD01**	**FIRE HYDRANT PIPE LINE - Replace MS Pipe with SS**	**28.25 hrs**	**Fri 12/05/23 09:15**	**Sun 14/05/23 17:00**	**1580**	
399		Fabricate replacement pipe prior	0 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:15		
400		Transport pipes to site prior	0 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:15	399	M Ramatlhakeng,S Monna
401		Issue permit	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30	400	Operations
402		Accept permit	0.25 hrs	Fri 12/05/23 09:30	Fri 12/05/23 09:45	401	M Ramatlhakeng
403		Do risk assessment	0.25 hrs	Fri 12/05/23 09:45	Fri 12/05/23 10:00	402	M Ramatlhakeng,S Monna
404		Remove old isolation valve	2 hrs	Fri 12/05/23 10:00	Fri 12/05/23 12:00	403	M Ramatlhakeng,S Monna
405		Install new isolation valve	2 hrs	Fri 12/05/23 12:30	Fri 12/05/23 14:30	404	M Ramatlhakeng,S Monna
406		Cut out bolts	4 hrs	Fri 12/05/23 14:30	Sat 13/05/23 07:30	405	M Ramatlhakeng,S Monna
407		Punch out studs	2 hrs	Sat 13/05/23 07:30	Sat 13/05/23 09:30	406	M Ramatlhakeng,S Monna
408		Rig out old pipes	2 hrs	Sat 13/05/23 09:30	Sat 13/05/23 11:30	407	M Ramatlhakeng,S Monna
409		Install new pipes	6 hrs	Sat 13/05/23 11:30	Sat 13/05/23 18:00	408	M Ramatlhakeng,S Monna
410		Align pipes and tighten bolts	6 hrs	Sun 14/05/23 07:00	Sun 14/05/23 13:30	409	M Ramatlhakeng,S Monna
411		House keeping	2 hrs	Sun 14/05/23 13:30	Sun 14/05/23 15:30	410	M Ramatlhakeng,S Monna
412		Quality inspections	1 hr	Sun 14/05/23 15:30	Sun 14/05/23 16:30	411	M Ramatlhakeng,S Monna
413		Clear permit	0.5 hrs	Sun 14/05/23 16:30	Sun 14/05/23 17:00	412	M Ramatlhakeng,Operations
414		**ELECTRICAL**	**87.75 hrs**	**Fri 12/05/23 08:30**	**Sat 20/05/23 12:45**	**346SS**	
415	**65B2GA01**	**FIRE FIGHTING JOCKEY PUMP - Carry out maintenance on electrical components**	**4.5 hrs**	**Fri 12/05/23 08:30**	**Fri 12/05/23 13:30**		
416		Make out permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		Operations
417		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	416	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
418		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	417	L Majoo,Electrician1
419		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30	418	L Majoo,Electrician1
420		Replace old stop/start box	1 hr	Fri 12/05/23 09:30	Fri 12/05/23 10:30	419	L Majoo,Electrician1
421		Check Contactor contacts connetions	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45	420	L Majoo,Electrician1
422		Confirm correct setting of protections	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	421	L Majoo,Electrician1
423		Service Stop/start	0.5 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:30	422	L Majoo,Electrician1
424		Check motor fan condition	0.5 hrs	Fri 12/05/23 11:30	Fri 12/05/23 12:00	423	L Majoo,Electrician1
425		Check cable terminal leads for over heating	0.25 hrs	Fri 12/05/23 12:30	Fri 12/05/23 12:45	424	L Majoo,Electrician1
426		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:00	425	L Majoo,Electrician1
427		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:15	426	L Majoo,Electrician1
428		Clear permit	0.25 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:30	427	L Majoo,Electrician1
429	**65B2GA02**	**FIRE FIGHTING DIESEL PUMP - Carry out maintenance on electrical components**	**6 hrs**	**Fri 12/05/23 13:30**	**Sat 13/05/23 08:30**	**415**	
430		Make out permit	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45		Operations
431		Accept permit	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	430	L Majoo,Electrician1
432		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:15	431	L Majoo,Electrician1
433		Replace corroded components	1.5 hrs	Fri 12/05/23 14:15	Fri 12/05/23 15:45	432	L Majoo,Electrician1
434		Replace old stop/start box	1 hr	Fri 12/05/23 15:45	Fri 12/05/23 16:45	433	L Majoo,Electrician1
435		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	434	L Majoo,Electrician1
436		Check Contactor contacts connetions	0.25 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:15	435	L Majoo,Electrician1
437		Confirm correct setting of protections	0.25 hrs	Fri 12/05/23 17:15	Fri 12/05/23 17:30	436	L Majoo,Electrician1
438		Service Stop/start	0.5 hrs	Fri 12/05/23 17:30	Fri 12/05/23 18:00	437	L Majoo,Electrician1
439		Inspect battery charger components and terminals	0.5 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:30	438	L Majoo,Electrician1
440		Check cable terminal leads for over heating	0.25 hrs	Sat 13/05/23 07:30	Sat 13/05/23 07:45	439	L Majoo,Electrician1
441		Check siren for correct operation	0.25 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:00	440	L Majoo,Electrician1
442		Seal for Moisture and dust.	0.25 hrs	Sat 13/05/23 08:00	Sat 13/05/23 08:15	441	L Majoo,Electrician1
443		Clear permit	0.25 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:30	442	L Majoo,Electrician1
444	**65B2GA03**	**FIRE FIGHTING ELECTRICAL PUMP - Carry out maintenance on electrical components**	**87.75 hrs**	**Fri 12/05/23 08:30**	**Sat 20/05/23 12:45**		
445		Make out permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		Operations
446		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	445	L Majoo,Electrician1
447		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	446	L Majoo,Electrician1
448		Disconnect motor	0.5 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:45	447	L Majoo,Electrician1
449		Send motor for repairs	48 hrs	Fri 12/05/23 09:45	Tue 16/05/23 16:15	448	L Majoo,Electrician1,Riggers,M_Crane7
450		Check loose connections in the panel	0.25 hrs	Tue 16/05/23 16:15	Tue 16/05/23 16:30	449	L Majoo,Electrician1
451		Check Contactor contacts connetions	0.25 hrs	Tue 16/05/23 16:30	Tue 16/05/23 16:45	450	L Majoo,Electrician1
452		Confirm correct setting of protections	0.25 hrs	Tue 16/05/23 16:45	Tue 16/05/23 17:00	451	L Majoo,Electrician1
453		Service Stop/start	0.5 hrs	Tue 16/05/23 17:00	Tue 16/05/23 17:30	452	L Majoo,Electrician1
454		Install motor	1.5 hrs	Tue 16/05/23 17:30	Wed 17/05/23 08:00	453	Riggers,M_Crane7T
455		Connect motor	0.75 hrs	Wed 17/05/23 08:00	Wed 17/05/23 08:45	454	L Majoo,Electrician1
456		Check motor fan condition	0.5 hrs	Sat 20/05/23 10:45	Sat 20/05/23 11:15	455,5430,5	L Majoo,Electrician1
457		Check cable terminal leads for over heating	0.25 hrs	Sat 20/05/23 11:15	Sat 20/05/23 11:30	456	L Majoo,Electrician1
458		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 20/05/23 11:30	Sat 20/05/23 11:45	457	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
459		Seal for Moisture and dust.	0.25 hrs	Sat 20/05/23 11:45	Sat 20/05/23 12:00	458	L Majoo,Electrician1
460		Clear permit	0.25 hrs	Sat 20/05/23 12:30	Sat 20/05/23 12:45	459	L Majoo,Electrician1
461		**CIVILS**	**109.75 hrs**	**Fri 12/05/23 08:30**	**Mon 22/05/23 13:45**		
462	**65B2GA01**	**FIRE FIGHTING JOCKEY PUMP - Repair concrete base**	**52.25 hrs**	**Fri 12/05/23 08:30**	**Wed 17/05/23 08:15**		
463		Weave reinforcement prior	0 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:30		Builders
464		Issue Permit To Work	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45	463	Operations
465		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	464	Bakang Setshogo,Bonang makuni
466		Carry out risk assessment	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	465	Bakang Setshogo,Bonang makuni
467		Erect formwork	8 hrs	Fri 12/05/23 09:15	Fri 12/05/23 17:45	466	Builders
468		Lay reinforcement	8 hrs	Fri 12/05/23 17:45	Sat 13/05/23 15:15	467	Builders
469		Cast concrete base	12 hrs	Sat 13/05/23 15:15	Sun 14/05/23 16:45	468	Builders
470		Curing time	48 hrs	Sun 14/05/23 16:45	Tue 16/05/23 16:45	469	
471		Housekeeping	2 hrs	Tue 16/05/23 16:45	Wed 17/05/23 07:45	470	Builders
472		Clear Permit To Work	0.5 hrs	Wed 17/05/23 07:45	Wed 17/05/23 08:15	471	Bakang Setshogo,Operations
473	**65B2GA03**	**FIRE FIGHTING ELECTRICAL PUMP - Repair concrete base**	**52.25 hrs**	**Sun 14/05/23 16:45**	**Fri 19/05/23 16:30**		
474		Weave reinforcement prior	0 hrs	Sun 14/05/23 16:45	Sun 14/05/23 16:45	469	Builders
475		Issue Permit To Work	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	474	Operations
476		Accept permit	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	475	Bakang Setshogo
477		Carry out risk assessment	0.25 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:30	476	Bakang Setshogo,Bonang makuni
478		Erect formwork	8 hrs	Sun 14/05/23 17:30	Mon 15/05/23 15:00	477	Builders
479		Lay reinforcement	8 hrs	Mon 15/05/23 15:00	Tue 16/05/23 12:00	478	Builders
480		Cast concrete base	12 hrs	Tue 16/05/23 12:30	Wed 17/05/23 14:00	479	Builders
481		Curing time	48 hrs	Wed 17/05/23 14:00	Fri 19/05/23 14:00	480	
482		Housekeeping	2 hrs	Fri 19/05/23 14:00	Fri 19/05/23 16:00	481	Builders
483		Clear Permit To Work	0.5 hrs	Fri 19/05/23 16:00	Fri 19/05/23 16:30	482	Bakang Setshogo,Operations
484	**65BGA02**	**FIRE FIGHTING DIESEL PUMP - Repair concrete base**	**52.25 hrs**	**Wed 17/05/23 14:00**	**Mon 22/05/23 13:45**		
485		Weave reinforcement prior	0 hrs	Wed 17/05/23 14:00	Wed 17/05/23 14:00	480	
486		Issue Permit To Work	0.25 hrs	Wed 17/05/23 14:00	Wed 17/05/23 14:15	485	Operations
487		Accept permit	0.25 hrs	Wed 17/05/23 14:15	Wed 17/05/23 14:30	486	Bakang Setshogo
488		Carry out risk assessment	0.25 hrs	Wed 17/05/23 14:30	Wed 17/05/23 14:45	487	Bakang Setshogo,Bonang makuni
489		Erect formwork	8 hrs	Wed 17/05/23 14:45	Thu 18/05/23 11:45	488	Builders
490		Lay reinforcement	8 hrs	Thu 18/05/23 11:45	Fri 19/05/23 09:15	489	Builders
491		Cast concrete base	12 hrs	Fri 19/05/23 09:15	Sat 20/05/23 10:45	490	Builders
492		Curing time	48 hrs	Sat 20/05/23 10:45	Mon 22/05/23 10:45	491	
493		Housekeeping	2 hrs	Mon 22/05/23 10:45	Mon 22/05/23 13:15	492	Builders
494		Clear Permit To Work	0.5 hrs	Mon 22/05/23 13:15	Mon 22/05/23 13:45	493	Bakang Setshogo,Operations
495		Water Plant Maintenance Complete	0 hrs	Tue 23/05/23 08:30	Tue 23/05/23 08:30	4,343	
496	**Area 21A**	**HOT WASH WATER SYSTEM**	**91 hrs**	**Sat 06/05/23 11:00**	**Mon 15/05/23 07:30**	**843**	
497		**OPERATIONS**	**23.25 hrs**	**Sat 06/05/23 11:00**	**Mon 08/05/23 13:45**		
498	**21A2FB01**	**HOT WASH WATER HEATER - Cleaning**	**23.25 hrs**	**Sat 06/05/23 11:00**	**Mon 08/05/23 13:45**		
499		Organise high pressure washer prior	0 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:00		Operations
500		Make Out Permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	499	Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
501		Accept Permit	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	500	Operations
502		Undo top dome bolts	2 hrs	Sat 06/05/23 11:30	Sat 06/05/23 14:00	501	G Kapenda,O Keamogetswe
503		Remove top dome	1 hr	Sat 06/05/23 14:00	Sat 06/05/23 15:00	502	M-Crane 30Ton,G Kapenda,O Keamoge
504		Undo bottom dome bolts	2 hrs	Sat 06/05/23 15:00	Sat 06/05/23 17:00	503	G Kapenda,O Keamogetswe
505		Remove bottom dome	1 hr	Sat 06/05/23 17:00	Sat 06/05/23 18:00	504	G Kapenda,O Keamogetswe,G Moesera
506		Inspect Tube Bundle	0.5 hrs	Sat 06/05/23 18:00	Sat 06/05/23 18:30	505	Operations
507		Wash with water lance	30 hrs	Sat 06/05/23 18:30	Mon 08/05/23 00:30	506	Operations
508		Rig in bottom dome	1 hr	Mon 08/05/23 07:00	Mon 08/05/23 08:00	507	G Kapenda,O Keamogetswe,G Moesera
509		Tighten bolts	2 hrs	Mon 08/05/23 08:00	Mon 08/05/23 10:00	508	G Kapenda,O Keamogetswe
510		Rig in top dome	1 hr	Mon 08/05/23 10:00	Mon 08/05/23 11:00	509	M-Crane 30Ton,G Kapenda,O Keamoge
511		Tighten bolts	2 hrs	Mon 08/05/23 11:00	Mon 08/05/23 13:30	510	G Kapenda,O Keamogetswe
512		Clear Permit	0.25 hrs	Mon 08/05/23 13:30	Mon 08/05/23 13:45	511	Operations
513	**21A2FB01**	**HOT WASH WATER TANK - Cleaning**	**9 hrs**	**Sun 07/05/23 09:00**	**Mon 08/05/23 07:30**	**843SS+2 da**	
514		Organize hoses, mops, buckets and brooms (prior)	0 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:00		Operations
515		Drain tank	1.5 hrs	Sun 07/05/23 09:00	Sun 07/05/23 10:30	514	Operations
516		Make out permit	0.25 hrs	Sun 07/05/23 10:30	Sun 07/05/23 10:45	515	Operations
517		Accept permit	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	516	Operations
518		Open manhole covers	3 hrs	Sun 07/05/23 11:00	Sun 07/05/23 14:30	517	G Kapenda,O Keamogetswe
519		Obtain vessel entry permit	0.25 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:45	518	Operations
520		Carry out gas test	0.5 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:15	519	Laboratory
521		Clean, hose and mop tank internally	16 hrs	Sun 07/05/23 15:15	Mon 08/05/23 07:15	520	Operations
522		Clear permit	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30	521	Operations
523		**MAINTENANCE STARTS**	**0 hrs**	**Mon 08/05/23 07:30**	**Mon 08/05/23 07:30**	**513**	
524		Maintenance jobs commence	0 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:30		
525		**MECHANICAL**	**73.5 hrs**	**Mon 08/05/23 07:30**	**Mon 15/05/23 07:30**	**523**	
526	**21A2FB01**	**HWW CIRCULATION PIPELINE - Replace carbon steel with stainless steel pipes**	**13 hrs**	**Mon 08/05/23 07:30**	**Tue 09/05/23 10:00**		
527		Erect scaffolding prior	0 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:30		RSC Scaffolding
528		Fabricate replacement pipes prior	0 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:30	527	Fab. Workshop
529		Make out permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	528	Operations
530		Accept permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	529	G Kapenda,O Keamogetswe
531		Undo and remove flange bolts	4 hrs	Mon 08/05/23 08:00	Mon 08/05/23 12:00	530	G Kapenda,O Keamogetswe
532		Rig out old pipes	2 hrs	Mon 08/05/23 12:30	Mon 08/05/23 14:30	531	M-Crane 30Ton,G Moeseraela,T Moloi,
533		Rig in new pipes	2 hrs	Mon 08/05/23 14:30	Mon 08/05/23 16:30	532	M-Crane 30Ton,G Moeseraela,T Moloi,
534		Align and install nuts	3 hrs	Mon 08/05/23 16:30	Tue 09/05/23 08:30	533	Crane,G Moeseraela,T Moloi,K Gabanto
535		Tighten bolts	1 hr	Tue 09/05/23 08:30	Tue 09/05/23 09:30	534	G Kapenda,O Keamogetswe
536		Carry out housekeeping	0.25 hrs	Tue 09/05/23 09:30	Tue 09/05/23 09:45	535	G Kapenda,O Keamogetswe
537		Clear permit	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	536	G Kapenda,O Keamogetswe
538	**21A2FB01**	**HOT WASH WATER PIPE LINE - Replace fibreglass pipe With Stainless Steel Pipe**	**12 hrs**	**Tue 09/05/23 10:00**	**Wed 10/05/23 11:30**	**526**	
539		Fabricate replacement pipe prior	0 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:00		M Ramatlhakeng,S Monna
540		Make out permit	0.25 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:15	539	Operations
541		Accept permit	0.25 hrs	Tue 09/05/23 10:15	Tue 09/05/23 10:30	540	G Kapenda,O Keamogetswe
542		Undo and remove flange bolts	4 hrs	Tue 09/05/23 10:30	Tue 09/05/23 15:00	541	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
543		Rig out fibreglass pipe	2 hrs	Tue 09/05/23 15:00	Tue 09/05/23 17:00	542	Crane,G Moeseraela,T Moloi,K Gabanto
544		Rig in stainless steel pipe	2 hrs	Tue 09/05/23 17:00	Wed 10/05/23 08:00	543	Crane,G Moeseraela,T Moloi,K Gabanto
545		Align and install nuts	2 hrs	Wed 10/05/23 08:00	Wed 10/05/23 10:00	544	Crane,G Moeseraela,T Moloi,K Gabanto
546		Tighten bolts	1 hr	Wed 10/05/23 10:00	Wed 10/05/23 11:00	545	G Kapenda,O Keamogetswe
547		Carry out housekeeping	0.25 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:15	546	G Kapenda,O Keamogetswe
548		Clear permit	0.25 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:30	547	G Kapenda,O Keamogetswe
549	**21A2FB01**	**HOT WASH WATER HEATER - Replace drain valve**	**4 hrs**	**Mon 08/05/23 07:30**	**Mon 08/05/23 11:30**		
550		Remove lagging prior	0 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:30		
551		Make out permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	550	Operations
552		Accept permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	551	G Kapenda,O Keamogetswe
553		Cut out old valve	1 hr	Mon 08/05/23 08:00	Mon 08/05/23 09:00	552	M Ramatlhakeng,S Monna
554		Install new valve	1 hr	Mon 08/05/23 09:00	Mon 08/05/23 10:00	553	M Ramatlhakeng,S Monna
555		Weld valve into place	1 hr	Mon 08/05/23 10:00	Mon 08/05/23 11:00	554	P Dara
556		House keeping	0.25 hrs	Mon 08/05/23 11:00	Mon 08/05/23 11:15	555	G Kapenda,O Keamogetswe,M Ramatlh
557		Clear permit	0.25 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:30	556	G Kapenda,O Keamogetswe
558	**21A2FB01**	**HOT WASH PUMP - Repair Fibre Glass Line (Fibre Glass Specialist)**	**24.25 hrs**	**Mon 08/05/23 07:30**	**Wed 10/05/23 10:45**		
559		Clean the area(prior)	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45		Operations
560		Make out permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	559	Operations
561		Accept permit to work	0.25 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:15	560	G Kapenda,O Keamogetswe
562		Carry out risk assesment	0.25 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:30	561	Fibrewound,G Kapenda,O Keamogetsw
563		Support the pipe to be cut with correct lifting gear	0.5 hrs	Mon 08/05/23 08:30	Mon 08/05/23 09:00	562	G Moeseraela,T Moloi,K Gabantogele
564		Unbolt the clamps securing the pipes(saddle clamps)	0.5 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:30	563	Fibrewound,G Kapenda,O Keamogetsw
565		Cut a section of the pipe to be replaced and remove it using correct lifting gear	5 hrs	Mon 08/05/23 09:30	Mon 08/05/23 15:00	564	Fibrewound,G Kapenda,O Keamogetsw
566		Rig a new pipe in position and align with an existing pipe	5 hrs	Mon 08/05/23 15:00	Tue 09/05/23 09:00	565	G Moeseraela,T Moloi,K Gabantogele
567		Join and bond the pipes together using the material and chemicals provided	5 hrs	Tue 09/05/23 09:00	Tue 09/05/23 14:30	566	Fibrewound,G Kapenda,O Keamogetsw
568		Allow them to cure	5 hrs	Tue 09/05/23 14:30	Wed 10/05/23 08:30	567	Fibrewound,G Kapenda,O Keamogetsw
569		Lower the pipes on the saddles and secure them	1 hr	Wed 10/05/23 08:30	Wed 10/05/23 09:30	568	G Moeseraela,T Moloi,K Gabantogele
570		Remove the lifting gear	1 hr	Wed 10/05/23 09:30	Wed 10/05/23 10:30	569	G Moeseraela,T Moloi,K Gabantogele
571		Carry out housekeeping	0.25 hrs	Wed 10/05/23 10:30	Wed 10/05/23 10:45	570	Fibrewound,G Kapenda,O Keamogetsw
572		Dismantle the scaffolding	0 hrs	Wed 10/05/23 10:45	Wed 10/05/23 10:45	571	RSC Scaffolding
573		Sign off the permit	0 hrs	Wed 10/05/23 10:45	Wed 10/05/23 10:45	572	G Kapenda,O Keamogetswe
574	**21A2GA01A**	**HOT WASH PUMP A - Overhaul pump**	**32.25 hrs**	**Mon 08/05/23 07:30**	**Thu 11/05/23 08:15**		
575		Make Out Permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45		Operations
576		Accept Permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	575	G Kapenda,O Keamogetswe
577		Loosen Bolts	1.5 hrs	Mon 08/05/23 08:00	Mon 08/05/23 09:30	576	G Kapenda,O Keamogetswe
578		Remove Guard	0.5 hrs	Mon 08/05/23 09:30	Mon 08/05/23 10:00	577	G Kapenda,O Keamogetswe
579		Remove Pump	2 hrs	Mon 08/05/23 10:00	Mon 08/05/23 12:00	578	M-Crane 7Ton,G Moeseraela,T Moloi,K
580		Transport Pump To Workshop	0.5 hrs	Mon 08/05/23 12:30	Mon 08/05/23 13:00	579	M-Crane 7Ton,G Moeseraela,K Gabanto
581		Remove carbon steel suction spool piece	1 hr	Mon 08/05/23 13:00	Mon 08/05/23 14:00	580	M-Crane 7Ton,G Moeseraela,K Gabanto
582		Install stainless steel spool piece	1 hr	Mon 08/05/23 14:00	Mon 08/05/23 15:00	581	M-Crane 7Ton,G Moeseraela,K Gabanto
583		Strip Out And Overhaul Pump	12 hrs	Tue 09/05/23 12:30	Wed 10/05/23 14:00	582,615	G Kapenda,O Keamogetswe
584		Transport Pump To Plant	0.5 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:30	583	G Moeseraela,T Moloi,K Gabantogele

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
585		Install And Secure Pump	2 hrs	Wed 10/05/23 14:30	Wed 10/05/23 16:30	584	M-Crane 7Ton,G Moeseraela,T Moloi,K
586		Align Pump	2 hrs	Wed 10/05/23 16:30	Thu 11/05/23 07:30	585	Reliability,O Keamogetswe,G Kapenda
587		Replace Guard	0.5 hrs	Thu 11/05/23 07:30	Thu 11/05/23 08:00	586	G Kapenda,O Keamogetswe
588		Clear Permit	0.25 hrs	Thu 11/05/23 08:00	Thu 11/05/23 08:15	587	G Kapenda,O Keamogetswe
589	**21A2GA01A**	**HOT WASH PUMP A - Inspect Non Return Valve**	**8 hrs**	**Mon 08/05/23 07:30**	**Mon 08/05/23 16:00**		
590		Erect working platform prior	0 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:30		
591		Clean The Area (Prior)	0 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:30	590	Operations
592		Make Out Permits	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	591	G Kapenda,O Keamogetswe
593		Accept Permit To Work	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	592	G Kapenda,O Keamogetswe
594		Carry Out Risk Assesment	0.25 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:15	593	G Kapenda,O Keamogetswe
595		Support The Valve To Be inspected With A Crane	0.25 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:30	594	M-Crane 7Ton,G Moeseraela,T Moloi,K
596		Loosen And Remove The Securing Bolts	1.5 hrs	Mon 08/05/23 08:30	Mon 08/05/23 10:00	595	G Kapenda,O Keamogetswe
597		Lift out valve to be inspected	0.5 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:30	596	G Kapenda,O Keamogetswe
598		Inspect valve and replace if necessary	2 hrs	Mon 08/05/23 10:30	Mon 08/05/23 13:00	597	G Kapenda,O Keamogetswe
599		Rig in Valve In Position And Align Holes	0.5 hrs	Mon 08/05/23 13:00	Mon 08/05/23 13:30	598	G Moeseraela,T Moloi,K Gabantogele,G
600		Replace Bolts/Studs And Tighten	1.5 hrs	Mon 08/05/23 13:30	Mon 08/05/23 15:00	599	G Kapenda,O Keamogetswe
601		Remove The Crane	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	600	G Moeseraela,T Moloi,K Gabantogele,G
602		Carry Out Housekeeping	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30	601	G Kapenda,O Keamogetswe
603		Sign Off Permit	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	602	G Kapenda,O Keamogetswe
604		Clear Permit	0.25 hrs	Mon 08/05/23 15:45	Mon 08/05/23 16:00	603	G Kapenda,O Keamogetswe
605	**21A2GA01B**	**HOT WASH PUMP B - Carry Out Inspection**	**13.25 hrs**	**Mon 08/05/23 16:00**	**Wed 10/05/23 07:45**	**589**	
606		Make Out Permit	0.25 hrs	Mon 08/05/23 16:00	Mon 08/05/23 16:15		Operations
607		Accept Permit	0.25 hrs	Mon 08/05/23 16:15	Mon 08/05/23 16:30	606	G Kapenda,O Keamogetswe
608		Remove Guard	0.5 hrs	Mon 08/05/23 16:30	Mon 08/05/23 17:00	607	G Kapenda,O Keamogetswe
609		Inspect Coupling	1 hr	Mon 08/05/23 17:00	Mon 08/05/23 18:00	608	G Kapenda,O Keamogetswe
610		Check all mounting bolts	0.5 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:30	609	G Kapenda,O Keamogetswe
611		Check condition of the base	1 hr	Tue 09/05/23 07:30	Tue 09/05/23 08:30	610	G Kapenda,O Keamogetswe
612		Check all flanges both discharge & suction	0.5 hrs	Tue 09/05/23 08:30	Tue 09/05/23 09:00	611	G Kapenda,O Keamogetswe
613		Inspect all belows	1 hr	Tue 09/05/23 09:00	Tue 09/05/23 10:00	612	G Kapenda,O Keamogetswe
614		Remove carbon steel suction spool piece	1 hr	Tue 09/05/23 10:00	Tue 09/05/23 11:00	613	M-Crane 7Ton,G Moeseraela,K Gabant
615		Install stainless steel spool piece	1 hr	Tue 09/05/23 11:00	Tue 09/05/23 12:00	614	M-Crane 7Ton,G Moeseraela,K Gabant
616		Drain & Refill Oil	1.5 hrs	Tue 09/05/23 12:30	Tue 09/05/23 14:00	615	G Kapenda,O Keamogetswe
617		Repack glands	1 hr	Tue 09/05/23 14:00	Tue 09/05/23 15:00	616	G Kapenda,O Keamogetswe
618		Carry Out or cross check Laser Alignment	3 hrs	Tue 09/05/23 15:00	Tue 09/05/23 18:00	617	Reliability
619		Replace Guard	0.5 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:30	618	G Kapenda,O Keamogetswe
620		Clear Permit	0.25 hrs	Wed 10/05/23 07:30	Wed 10/05/23 07:45	619	G Kapenda,O Keamogetswe
621	**21A2GA01B**	**HOT WASH PUMP B - Inspect Non Return Valve**	**8 hrs**	**Wed 10/05/23 07:45**	**Wed 10/05/23 16:15**	**605**	
622		Clean The Area (Prior)	0 hrs	Wed 10/05/23 07:45	Wed 10/05/23 07:45		Operations
623		Make Out Permits	0.25 hrs	Wed 10/05/23 07:45	Wed 10/05/23 08:00	622	Operations
624		Accept Permit To Work	0.25 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:15	623	G Kapenda,O Keamogetswe
625		Carry Out Risk Assesment	0.25 hrs	Wed 10/05/23 08:15	Wed 10/05/23 08:30	624	G Kapenda,O Keamogetswe
626		Support The Valve To Be inspected With A Crane	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45	625	M-Crane 7Ton,G Moeseraela,T Moloi,K

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
627		Loosen And Remove The Securing Bolts	1.5 hrs	Wed 10/05/23 08:45	Wed 10/05/23 10:15	626	G Kapenda,O Keamogetswe
628		Lift out valve to be inspected	0.5 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:45	627	G Kapenda,O Keamogetswe
629		Inspect valve and replace if necessary	2 hrs	Wed 10/05/23 10:45	Wed 10/05/23 13:15	628	G Kapenda,O Keamogetswe
630		Rig in Valve In Position And Align Holes	0.5 hrs	Wed 10/05/23 13:15	Wed 10/05/23 13:45	629	G Moeseraela,T Moloi,K Gabantogele,G
631		Replace Bolts/Studs And Tighten	1.5 hrs	Wed 10/05/23 13:45	Wed 10/05/23 15:15	630	G Kapenda,O Keamogetswe
632		Remove The Crane	0.25 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:30	631	G Moeseraela,T Moloi,K Gabantogele,G
633		Carry Out Housekeeping	0.25 hrs	Wed 10/05/23 15:30	Wed 10/05/23 15:45	632	G Kapenda,O Keamogetswe
634		Sign Off Permit	0.25 hrs	Wed 10/05/23 15:45	Wed 10/05/23 16:00	633	G Kapenda,O Keamogetswe
635		Clear Permit	0.25 hrs	Wed 10/05/23 16:00	Wed 10/05/23 16:15	634	G Kapenda,O Keamogetswe
636	**21A2GA03**	**HOT WASH HP PUMP A - Carry Out Inspection**	**11.25 hrs**	**Wed 10/05/23 16:15**	**Thu 11/05/23 17:00**	**621**	
637		Make Out Permit	0.25 hrs	Wed 10/05/23 16:15	Wed 10/05/23 16:30		Operations
638		Accept Permit	0.25 hrs	Wed 10/05/23 16:30	Wed 10/05/23 16:45	637	G Kapenda,O Keamogetswe
639		Remove Guard	0.5 hrs	Wed 10/05/23 16:45	Wed 10/05/23 17:15	638	G Kapenda,O Keamogetswe
640		Inspect Coupling	1 hr	Wed 10/05/23 17:15	Thu 11/05/23 07:15	639	G Kapenda,O Keamogetswe
641		Check all mounting bolts	0.5 hrs	Thu 11/05/23 07:15	Thu 11/05/23 07:45	640	G Kapenda,O Keamogetswe
642		Check condition of the base	1 hr	Thu 11/05/23 07:45	Thu 11/05/23 08:45	641	G Kapenda,O Keamogetswe
643		Check all flanges both discharge& suction	0.5 hrs	Thu 11/05/23 08:45	Thu 11/05/23 09:15	642	G Kapenda,O Keamogetswe
644		Inspect all belows	1 hr	Thu 11/05/23 09:15	Thu 11/05/23 10:15	643	G Kapenda,O Keamogetswe
645		Drain& Refill Oil	1.5 hrs	Thu 11/05/23 10:15	Thu 11/05/23 11:45	644	G Kapenda,O Keamogetswe
646		Repack glands	1 hr	Thu 11/05/23 11:45	Thu 11/05/23 13:15	645	G Kapenda,O Keamogetswe
647		Carry Out or cross check Laser Alignment	3 hrs	Thu 11/05/23 13:15	Thu 11/05/23 16:15	646	Reliability
648		Replace Guard	0.5 hrs	Thu 11/05/23 16:15	Thu 11/05/23 16:45	647	G Kapenda,O Keamogetswe
649		Clear Permit	0.25 hrs	Thu 11/05/23 16:45	Thu 11/05/23 17:00	648	G Kapenda,O Keamogetswe
650	**21A2GA04**	**HOT WASH HP PUMP B - Carry Out Inspection**	**11.25 hrs**	**Thu 11/05/23 17:00**	**Fri 12/05/23 17:45**	**636**	
651		Make Out Permit	0.25 hrs	Thu 11/05/23 17:00	Thu 11/05/23 17:15		Operations
652		Accept Permit	0.25 hrs	Thu 11/05/23 17:15	Thu 11/05/23 17:30	651	G Kapenda,O Keamogetswe
653		Remove Guard	0.5 hrs	Thu 11/05/23 17:30	Thu 11/05/23 18:00	652	G Kapenda,O Keamogetswe
654		Inspect Coupling	1 hr	Fri 12/05/23 07:00	Fri 12/05/23 08:00	653	G Kapenda,O Keamogetswe
655		Check all mounting bolts	0.5 hrs	Fri 12/05/23 08:00	Fri 12/05/23 08:30	654	G Kapenda,O Keamogetswe
656		Check condition of the base	1 hr	Fri 12/05/23 08:30	Fri 12/05/23 09:30	655	G Kapenda,O Keamogetswe
657		Check all flanges both discharge and suction	0.5 hrs	Fri 12/05/23 09:30	Fri 12/05/23 10:00	656	G Kapenda,O Keamogetswe
658		Inspect all belows	1 hr	Fri 12/05/23 10:00	Fri 12/05/23 11:00	657	G Kapenda,O Keamogetswe
659		Drain& Refill Oil	1.5 hrs	Fri 12/05/23 11:00	Fri 12/05/23 13:00	658	G Kapenda,O Keamogetswe
660		Repack glands	1 hr	Fri 12/05/23 13:00	Fri 12/05/23 14:00	659	G Kapenda,O Keamogetswe
661		Carry Out or cross check Laser Alignment	3 hrs	Fri 12/05/23 14:00	Fri 12/05/23 17:00	660	Reliability
662		Replace Guard	0.5 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:30	661	G Kapenda,O Keamogetswe
663		Clear Permit	0.25 hrs	Fri 12/05/23 17:30	Fri 12/05/23 17:45	662	G Kapenda,O Keamogetswe
664		**HOT WASH HP LINE - Replace carbon steel with stainless steel pipes**	**16 hrs**	**Mon 08/05/23 07:30**	**Tue 09/05/23 13:30**		
665		Fabricate replacement pipe prior	0 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:30		Tshepo Themba
666		Make out permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	665	Tshepo Themba
667		Accept permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	666	Tshepo Themba
668		Undo and remove flange bolts	4 hrs	Mon 08/05/23 08:00	Mon 08/05/23 12:00	667	Tshepo Themba

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
669		Rig out carbon steel pipes	2 hrs	Mon 08/05/23 12:30	Mon 08/05/23 14:30	668	Tshepo Themba
670		Rig in stainless steel pipes	2 hrs	Mon 08/05/23 14:30	Mon 08/05/23 16:30	669	Tshepo Themba
671		Align and install nuts	2 hrs	Mon 08/05/23 16:30	Tue 09/05/23 07:30	670	Tshepo Themba
672		Tighten bolts	1 hr	Tue 09/05/23 07:30	Tue 09/05/23 08:30	671	Tshepo Themba
673		Remove old isolation valve	2 hrs	Tue 09/05/23 08:30	Tue 09/05/23 10:30	672	G Kapenda,O Keamogetswe
674		Install new isolation valve	2 hrs	Tue 09/05/23 10:30	Tue 09/05/23 13:00	673	G Kapenda,O Keamogetswe
675		Carry out housekeeping	0.25 hrs	Tue 09/05/23 13:00	Tue 09/05/23 13:15	674	Tshepo Themba
676		Clear permit	0.25 hrs	Tue 09/05/23 13:15	Tue 09/05/23 13:30	675	Tshepo Themba
677	**21A2FB01**	**HWWT MINIMUM FLOW LINE - Replace carbon steel with stainless steel**	**8 hrs**	**Wed 10/05/23 10:45**	**Thu 11/05/23 08:15**	**558**	
678		Erect scaffolding prior	0 hrs	Wed 10/05/23 10:45	Wed 10/05/23 10:45		RSC Scaffolding
679		Fabricate replacement pipe prior	0 hrs	Wed 10/05/23 10:45	Wed 10/05/23 10:45	678	M Ramatlhakeng,S Monna
680		Make out permit	0.25 hrs	Wed 10/05/23 10:45	Wed 10/05/23 11:00	679	Operations
681		Accept permit	0.25 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:15	680	G Kapenda,O Keamogetswe
682		Undo and remove flange bolts	2 hrs	Wed 10/05/23 11:15	Wed 10/05/23 13:45	681	G Kapenda,O Keamogetswe
683		Rig out old pipe	1 hr	Wed 10/05/23 13:45	Wed 10/05/23 14:45	682	Crane,G Moeseraela,T Moloi
684		Rig in new pipe	1 hr	Wed 10/05/23 14:45	Wed 10/05/23 15:45	683	Crane,G Moeseraela,T Moloi
685		Align and install nuts	2 hrs	Wed 10/05/23 15:45	Wed 10/05/23 17:45	684	Crane,G Moeseraela,T Moloi,G Kapend
686		Tighten bolts	1 hr	Wed 10/05/23 17:45	Thu 11/05/23 07:45	685	G Kapenda,O Keamogetswe
687		Carry out housekeeping	0.25 hrs	Thu 11/05/23 07:45	Thu 11/05/23 08:00	686	G Kapenda,O Keamogetswe
688		Clear permit	0.25 hrs	Thu 11/05/23 08:00	Thu 11/05/23 08:15	687	G Kapenda,O Keamogetswe
689	**21A2FB01**	**HOT WASH WATER STEAM TRAPS - Replace Steam Traps**	**10 hrs**	**Fri 12/05/23 17:45**	**Sat 13/05/23 17:15**	**650**	
690		Make out permit	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00		Operations
691		Accept permit	0.25 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:15	690	G Kapenda,O Keamogetswe
692		Ensure all steam has been isolated and discharge from system	0.25 hrs	Sat 13/05/23 07:15	Sat 13/05/23 07:30	691	G Kapenda,O Keamogetswe
693		Cut off deffective steam strap	3 hrs	Sat 13/05/23 07:30	Sat 13/05/23 10:30	692	M Ramatlhakeng,S Monna
694		Clean pipes	2.5 hrs	Sat 13/05/23 10:30	Sat 13/05/23 13:30	693	M Ramatlhakeng,S Monna
695		Weld in new steam trap	3 hrs	Sat 13/05/23 13:30	Sat 13/05/23 16:30	694	P Dara
696		House keeping	0.5 hrs	Sat 13/05/23 16:30	Sat 13/05/23 17:00	695	G Kapenda,O Keamogetswe,M Ramatlh
697		Clear permit	0.25 hrs	Sat 13/05/23 17:00	Sat 13/05/23 17:15	696	G Kapenda,O Keamogetswe
698	**21A2FB01**	**HOT WASH WATER TANK - Carry Out Spark Test And Repair**	**73.5 hrs**	**Mon 08/05/23 07:30**	**Mon 15/05/23 07:30**		
699		Make Out Permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45		Operations
700		Accept Permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	699	G Kapenda,O Keamogetswe
701		Before Washing Swing All Blinds	3 hrs	Mon 08/05/23 08:00	Mon 08/05/23 11:00	700	G Kapenda,O Keamogetswe
702		Open Manholes	2 hrs	Mon 08/05/23 11:00	Mon 08/05/23 13:30	701	M-Crane 7Ton,G Moeseraela,T Moloi,K
703		Carry out decontamination protocol	6 hrs	Mon 08/05/23 13:30	Tue 09/05/23 08:30	702	Nicholas
704		Complete Gas Test Procedure	1 hr	Tue 09/05/23 08:30	Tue 09/05/23 09:30	703	Lab
705		Disconnect Seal Leg And Check For Blockage	1 hr	Tue 09/05/23 09:30	Tue 09/05/23 10:30	704	G Kapenda,O Keamogetswe
706		Clean & Dry Floor	0 hrs	Tue 09/05/23 10:30	Tue 09/05/23 10:30	705	Operations
707		Erect 10 Meters High Scaffold	8 hrs	Tue 09/05/23 10:30	Wed 10/05/23 08:00	706	G Moeseraela,T Moloi,K Gabantogele
708		Inspect & Spark Test	5 hrs	Wed 10/05/23 08:00	Wed 10/05/23 13:00	707	Corrocoat
709		Sandblasting	8 hrs	Wed 10/05/23 13:00	Wed 10/05/23 21:00	708	Corrocoat
710		Apply glasscoating on damaged areas	20 hrs	Wed 10/05/23 21:00	Thu 11/05/23 17:00	709	Corrocoat

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
711		Curing time	48 hrs	Thu 11/05/23 17:00	Sat 13/05/23 17:00	710	
712		Remove Scaffold	4 hrs	Sat 13/05/23 17:00	Sun 14/05/23 10:00	711	G Moeseraela,T Moloi,K Gabantogele
713		Remove decontamination controls	6 hrs	Sun 14/05/23 10:00	Sun 14/05/23 16:30	712	Nicholas
714		Box Up Manholes	2 hrs	Sun 14/05/23 16:30	Mon 15/05/23 07:30	713	M-Crane 7Ton,G Moeseraela,T Moloi,K
715		Swing Blinds	0 hrs	Mon 15/05/23 07:30	Mon 15/05/23 07:30	714	G Kapenda,O Keamogetswe
716		Sign Off Work And Vessel Entry Permits	0 hrs	Mon 15/05/23 07:30	Mon 15/05/23 07:30	715	G Kapenda,O Keamogetswe
717		**INSTRUMENTATION**	**51.75 hrs**	**Mon 08/05/23 07:30**	**Fri 12/05/23 17:45**	**523**	
718	**21A6LC001**	**HOT WASH WASH WATER TANK LEVEL - Remove & overhaul**	**11 hrs**	**Mon 08/05/23 07:30**	**Tue 09/05/23 08:00**		
719		Make out permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45		Operations
720		Accept permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	719	O Jacob,K Dijeng
721		Disconnect instruments	1 hr	Mon 08/05/23 08:00	Mon 08/05/23 09:00	720	O Jacob,K Dijeng
722		Remove valve	2 hrs	Mon 08/05/23 09:00	Mon 08/05/23 11:00	721	O Jacob,K Dijeng,G Kapenda,O Keamog
723		Overhaul valve	4 hrs	Mon 08/05/23 11:00	Mon 08/05/23 15:30	722	O Jacob,K Dijeng
724		Install valve	3 hrs	Mon 08/05/23 15:30	Tue 09/05/23 07:30	723	O Jacob,K Dijeng,G Kapenda,O Keamog
725		Stroke check valve	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	724	O Jacob,K Dijeng
726		Clear permit	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	725	Operations
727	**21A6LC003**	**HOT WASH WATER HEATER VALVE - Overhaul valve**	**12 hrs**	**Tue 09/05/23 08:00**	**Wed 10/05/23 09:30**	**718**	
728		Make out permit	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15		Operations
729		Accept permit	0.25 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:30	728	O Jacob,K Dijeng
730		Disconnect instruments	1 hr	Tue 09/05/23 08:30	Tue 09/05/23 09:30	729	O Jacob,K Dijeng
731		Remove valve	5.5 hrs	Tue 09/05/23 09:30	Tue 09/05/23 15:00	730	Aveng,RSC Scaffolding,G Moeseraela,T
732		Overhaul valve	3 hrs	Tue 09/05/23 15:00	Tue 09/05/23 18:00	731	Aveng,O Jacob,K Dijeng
733		Install valve	4 hrs	Tue 09/05/23 18:00	Wed 10/05/23 09:00	732	Aveng,RSC Scaffolding,G Moeseraela,T
734		Stroke check valve	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15	733	O Jacob,K Dijeng
735		Clear permit	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	734	O Jacob,K Dijeng
736	**21A6TC005**	**WASH WATER HEATER TEMPERATURE CONTROL - Overhaul valve**	**9.75 hrs**	**Mon 08/05/23 07:30**	**Mon 08/05/23 17:45**		
737		Make out permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45		Operations
738		Accept permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	737	O Jacob,K Dijeng
739		Disconnect instruments	1 hr	Mon 08/05/23 08:00	Mon 08/05/23 09:00	738	O Jacob,K Dijeng
740		Remove valve	2.75 hrs	Mon 08/05/23 09:00	Mon 08/05/23 11:45	739	RSC Scaffolding,Aveng,G Moeseraela,T
741		Overhaul valve	3 hrs	Mon 08/05/23 11:45	Mon 08/05/23 15:15	740	O Jacob,K Dijeng
742		Install valve	2 hrs	Mon 08/05/23 15:15	Mon 08/05/23 17:15	741	RSC Scaffolding,Aveng,G Moeseraela,T
743		Stroke check valve	0.25 hrs	Mon 08/05/23 17:15	Mon 08/05/23 17:30	742	O Jacob,K Dijeng
744		Clear permit	0.25 hrs	Mon 08/05/23 17:30	Mon 08/05/23 17:45	743	O Jacob,K Dijeng
745	**21A6TC006**	**HIGH PRESSURE WASH WATER TEMPERATURE CONTROL - Overhaul valve**	**9.75 hrs**	**Wed 10/05/23 09:30**	**Thu 11/05/23 08:45**	**727**	
746		Make out permit	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45		Operations
747		Accept permit	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00	746	O Jacob,K Dijeng
748		Disconnect instruments	1 hr	Wed 10/05/23 10:00	Wed 10/05/23 11:00	747	O Jacob,K Dijeng
749		Remove valve	3.25 hrs	Wed 10/05/23 11:00	Wed 10/05/23 14:15	748	RSC Scaffolding,Aveng,G Moeseraela,T
750		Overhaul valve	3 hrs	Wed 10/05/23 14:15	Wed 10/05/23 17:15	749	O Jacob,K Dijeng
751		Install valve	3.25 hrs	Wed 10/05/23 17:15	Thu 11/05/23 08:15	750	RSC Scaffolding,Aveng,G Moeseraela,T
752		Stroke check valve	0.25 hrs	Thu 11/05/23 08:15	Thu 11/05/23 08:30	751	O Jacob,K Dijeng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
753		Clear permit	0.25 hrs	Thu 11/05/23 08:30	Thu 11/05/23 08:45	752	O Jacob,K Dijeng
754	**21A6TI007**	**HOT WASH WATER TEMPERATURE - Calibrate switch**	**5.75 hrs**	**Thu 11/05/23 08:45**	**Thu 11/05/23 15:00**	**745,736**	
755		Make out permit	0.25 hrs	Thu 11/05/23 08:45	Thu 11/05/23 09:00		Operations
756		Accept permit	0.25 hrs	Thu 11/05/23 09:00	Thu 11/05/23 09:15	755	O Jacob,K Dijeng
757		Remove switch	1 hr	Thu 11/05/23 09:15	Thu 11/05/23 10:15	756	O Jacob,K Dijeng
758		Calibrate switch	2 hrs	Thu 11/05/23 10:15	Thu 11/05/23 12:45	757	O Jacob,K Dijeng
759		Install	1 hr	Thu 11/05/23 12:45	Thu 11/05/23 13:45	758	O Jacob,K Dijeng
760		Carry out trip check	1 hr	Thu 11/05/23 13:45	Thu 11/05/23 14:45	759	O Jacob,K Dijeng
761		Clear permit	0.25 hrs	Thu 11/05/23 14:45	Thu 11/05/23 15:00	760	O Jacob,K Dijeng
762	**21A6LC002**	**HOT WASH WATER TANK LEVEL - Overhaul valve**	**11 hrs**	**Thu 11/05/23 15:00**	**Fri 12/05/23 15:30**	**754**	
763		Make out permit	0.25 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:15		Operations
764		Accept permit	0.25 hrs	Thu 11/05/23 15:15	Thu 11/05/23 15:30	763	O Jacob,K Dijeng
765		Disconnect instruments	1 hr	Thu 11/05/23 15:30	Thu 11/05/23 16:30	764	O Jacob,K Dijeng
766		Remove valve	2.5 hrs	Thu 11/05/23 16:30	Fri 12/05/23 07:30	765	Aveng,RSC Scaffolding,G Moeseraela,T
767		Overhaul valve	4 hrs	Fri 12/05/23 07:30	Fri 12/05/23 11:30	766	O Jacob,K Dijeng
768		Install valve	3.5 hrs	Fri 12/05/23 11:30	Fri 12/05/23 15:00	767	Aveng,RSC Scaffolding,G Moeseraela,T
769		Stroke check valve	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	768	O Jacob,K Dijeng
770		Clear permit	0.25 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:30	769	O Jacob,K Dijeng
771	**21A6TI005**	**HOT WASH WATER TEMPERATURE – Check probe,temperature transmitter & lo**	**2.25 hrs**	**Fri 12/05/23 15:30**	**Fri 12/05/23 17:45**	**762**	
772		Issue Permit To Work	0.25 hrs	Fri 12/05/23 15:30	Fri 12/05/23 15:45		Operations
773		Accept permit	0.25 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:00	772	O Jacob,K Dijeng
774		Carry out risk assessment	0.25 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:15	773	O Jacob,K Dijeng
775		Check all connections	0.25 hrs	Fri 12/05/23 16:15	Fri 12/05/23 16:30	774	O Jacob,K Dijeng
776		Check probe & transmitter	1 hr	Fri 12/05/23 16:30	Fri 12/05/23 17:30	775	O Jacob,K Dijeng
777		Clear permit	0.25 hrs	Fri 12/05/23 17:30	Fri 12/05/23 17:45	776	O Jacob,K Dijeng
778		**CIVILS JOBS**	**56.75 hrs**	**Sat 06/05/23 11:00**	**Thu 11/05/23 15:45**		
779	**21A2GA04**	**HOT WASH HP PUMP B - Recast concrete plinths**	**56.75 hrs**	**Sat 06/05/23 11:00**	**Thu 11/05/23 15:45**		
780		Issue Permit To Work	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15		Operations
781		Accept permit	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	780	G Kapenda,O Keamogetswe
782		Carry out risk assessment	0.25 hrs	Sat 06/05/23 11:30	Sat 06/05/23 11:45	781	G Kapenda,O Keamogetswe,Seisa,Build
783		Undo pump mounting bolts	1 hr	Sat 06/05/23 11:45	Sat 06/05/23 13:15	782	G Kapenda,O Keamogetswe
784		Rig out pump	0.5 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:45	783	Riggers
785		Undo base mounting bolts	1 hr	Sat 06/05/23 13:45	Sat 06/05/23 14:45	784	G Kapenda,O Keamogetswe
786		Rig out pump base	0.5 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:15	785	Riggers
787		Clean pump base	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	786	G Kapenda,O Keamogetswe
788		Erect formwork	8 hrs	Sat 06/05/23 15:30	Sun 07/05/23 13:00	787	Builders
789		Replace pump base holding-down bolts	8 hrs	Sun 07/05/23 13:00	Mon 08/05/23 10:00	788	Builders
790		Cast concrete for plinths	12 hrs	Mon 08/05/23 10:00	Tue 09/05/23 11:30	789	Builders
791		Curing time	48 hrs	Tue 09/05/23 11:30	Thu 11/05/23 11:30	790	
792		Rig pump base into position	0.5 hrs	Thu 11/05/23 11:30	Thu 11/05/23 12:00	791	Riggers
793		Tighten holding down bolts	0.5 hrs	Thu 11/05/23 12:30	Thu 11/05/23 13:00	792	G Kapenda,O Keamogetswe
794		Rig pump into position	1 hr	Thu 11/05/23 13:00	Thu 11/05/23 14:00	793	Riggers

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
795		Tighten holding down bolts	1 hr	Thu 11/05/23 14:00	Thu 11/05/23 15:00	794	G Kapenda,O Keamogetswe
796		Housekeeping	0.5 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:30	795	Builders,G Kapenda,O Keamogetswe,Se
797		Clear Permit To Work	0.25 hrs	Thu 11/05/23 15:30	Thu 11/05/23 15:45	796	G Kapenda,Seisa,Operations
798	**Area 27A**	**CARBONATION**	**210.25 hrs**	**Wed 03/05/23 06:30**	**Tue 23/05/23 07:15**		
799		**OPERATIONS**	**178.5 hrs**	**Wed 03/05/23 06:30**	**Fri 19/05/23 23:30**		
800		**PLANT STOPPAGE**	**1.5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 08:30**		
801		Stop plant and flush circuit	2 hrs	Wed 03/05/23 06:30	Wed 03/05/23 08:30		Operations
802	**27A2DF04**	**SECONDARY CARBONATOR - Washing**	**35.5 hrs**	**Wed 03/05/23 08:30**	**Thu 04/05/23 20:00**	**800**	
803		Isolate Co2 & Pump Contents Forward	3 hrs	Wed 03/05/23 08:30	Wed 03/05/23 11:30		Operations
804		Swing Co2, T-Brine & Offgas Blinds On All Carbonators	2 hrs	Wed 03/05/23 11:30	Wed 03/05/23 14:00	803	G Kapenda,O Keamogetswe
805		Remove Three Bursting Discs	1 hr	Wed 03/05/23 14:00	Wed 03/05/23 15:00	804	G Kapenda,O Keamogetswe
806		Fill Carbonators With HWW	1 hr	Wed 03/05/23 15:00	Wed 03/05/23 16:00	805	Operations
807		Agitate	4 hrs	Wed 03/05/23 16:00	Wed 03/05/23 20:00	806	Operations
808		Refill Hot Wash Water Tank & Reheat	4 hrs	Wed 03/05/23 16:00	Wed 03/05/23 20:00	807SS	Operations
809		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Wed 03/05/23 20:00	Wed 03/05/23 22:00	808	Operations
810		Fill Carbonators With HWW	1 hr	Wed 03/05/23 22:00	Wed 03/05/23 23:00	809	Operations
811		Agitate	4 hrs	Wed 03/05/23 23:00	Thu 04/05/23 03:00	810	Operations
812		Refill Hot Wash Water Tank & Reheat	4 hrs	Wed 03/05/23 23:00	Thu 04/05/23 03:00	811SS	Operations
813		Drain Carbonators by pumping forward to Crystalisers	1 hr	Thu 04/05/23 03:00	Thu 04/05/23 04:00	812	Operations
814		Fill Carbonators With HWW	1 hr	Thu 04/05/23 04:00	Thu 04/05/23 05:00	813	Operations
815		Agitate	4 hrs	Thu 04/05/23 05:00	Thu 04/05/23 09:00	814	Operations
816		Refill Hot Wash Water Tank & Reheat	4 hrs	Thu 04/05/23 05:00	Thu 04/05/23 09:00	815SS	Operations
817		Drain Carbonators by pumping forward to Crystalisers	1 hr	Thu 04/05/23 09:00	Thu 04/05/23 10:00	816	Operations
818		Fill Carbonators With HWW	1 hr	Thu 04/05/23 10:00	Thu 04/05/23 11:00	817	Operations
819		Agitate	4 hrs	Thu 04/05/23 11:00	Thu 04/05/23 15:00	818	Operations
820		Refill Hot Wash Water Tank & Reheat	4 hrs	Thu 04/05/23 11:00	Thu 04/05/23 15:00	819SS	Operations
821		Drain Carbonators by pumping forward to Crystalisers	1 hr	Thu 04/05/23 15:00	Thu 04/05/23 16:00	820	Operations
822		Flushing The T Brine Line	4 hrs	Thu 04/05/23 16:00	Thu 04/05/23 20:00	821	Operations
823	**27A2DF02**	**PRIMARY CARBONATOR A - Washing**	**34.5 hrs**	**Wed 03/05/23 06:30**	**Thu 04/05/23 17:00**		
824		Isolate Co2 & Pump Contents Forward	3 hrs	Wed 03/05/23 06:30	Wed 03/05/23 09:30		Operations
825		Swing Co2, T-Brine & Offgas Blinds On All Carbonators	2 hrs	Wed 03/05/23 09:30	Wed 03/05/23 11:30	824	G Kapenda,O Keamogetswe
826		Remove Three Bursting Discs	1 hr	Wed 03/05/23 11:30	Wed 03/05/23 13:00	825	G Kapenda,O Keamogetswe
827		Fill Carbonators With HWW	1 hr	Wed 03/05/23 16:00	Wed 03/05/23 17:00	826,806	Operations
828		Agitate	4 hrs	Wed 03/05/23 17:00	Wed 03/05/23 21:00	827	Operations
829		Refill Hot Wash Water Tank & Reheat	4 hrs	Wed 03/05/23 17:00	Wed 03/05/23 21:00	828SS	Operations
830		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Wed 03/05/23 21:00	Wed 03/05/23 23:00	829	Operations
831		Fill Carbonators With HWW	1 hr	Wed 03/05/23 23:00	Thu 04/05/23 00:00	830	Operations
832		Agitate	4 hrs	Thu 04/05/23 00:00	Thu 04/05/23 04:00	831	Operations
833		Refill Hot Wash Water Tank & Reheat	4 hrs	Thu 04/05/23 00:00	Thu 04/05/23 04:00	832SS	Operations
834		Drain Carbonators by pumping forward to Crystalisers	1 hr	Thu 04/05/23 04:00	Thu 04/05/23 05:00	833	Operations
835		Fill Carbonators With HWW	1 hr	Thu 04/05/23 05:00	Thu 04/05/23 06:00	834	Operations
836		Agitate	4 hrs	Thu 04/05/23 06:00	Thu 04/05/23 10:00	835	Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
837		Refill Hot Wash Water Tank & Reheat	4 hrs	Thu 04/05/23 06:00	Thu 04/05/23 10:00	836SS	Operations
838		Drain Carbonators by pumping forward to Crystalisers	1 hr	Thu 04/05/23 10:00	Thu 04/05/23 11:00	837	Operations
839		Fill Carbonators With HWW	1 hr	Thu 04/05/23 11:00	Thu 04/05/23 12:00	838	Operations
840		Agitate	4 hrs	Thu 04/05/23 12:00	Thu 04/05/23 16:00	839	Operations
841		Refill Hot Wash Water Tank & Reheat	4 hrs	Thu 04/05/23 12:00	Thu 04/05/23 16:00	840SS	Operations
842		Drain Carbonators by pumping forward to Crystalisers	1 hr	Thu 04/05/23 16:00	Thu 04/05/23 17:00	841	Operations
843	**27A2DF03**	**PRIMARY CARBONATOR B - Washing**	**42 hrs**	**Thu 04/05/23 17:00**	**Sat 06/05/23 11:00**	**823**	
844		Isolate Co2 & Pump Contents Forward	3 hrs	Thu 04/05/23 17:00	Thu 04/05/23 20:00		Operations
845		Swing Co2, T-Brine & Offgas Blinds On All Carbonators	2 hrs	Fri 05/05/23 07:00	Fri 05/05/23 09:00	844	G Kapenda,O Keamogetswe
846		Remove Three Bursting Discs	1 hr	Fri 05/05/23 09:00	Fri 05/05/23 10:00	845	G Kapenda,O Keamogetswe
847		Fill Carbonators With HWW	1 hr	Fri 05/05/23 10:00	Fri 05/05/23 11:00	846	Operations
848		Agitate	4 hrs	Fri 05/05/23 11:00	Fri 05/05/23 15:00	847	Operations
849		Refill Hot Wash Water Tank & Reheat	4 hrs	Fri 05/05/23 11:00	Fri 05/05/23 15:00	848SS	Operations
850		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Fri 05/05/23 15:00	Fri 05/05/23 17:00	849	Operations
851		Fill Carbonators With HWW	1 hr	Fri 05/05/23 17:00	Fri 05/05/23 18:00	850	Operations
852		Agitate	4 hrs	Fri 05/05/23 18:00	Fri 05/05/23 22:00	851	Operations
853		Refill Hot Wash Water Tank & Reheat	4 hrs	Fri 05/05/23 18:00	Fri 05/05/23 22:00	852SS	Operations
854		Drain Carbonators by pumping forward to Crystalisers	1 hr	Fri 05/05/23 22:00	Fri 05/05/23 23:00	853	Operations
855		Fill Carbonators With HWW	1 hr	Fri 05/05/23 23:00	Sat 06/05/23 00:00	854	Operations
856		Agitate	4 hrs	Sat 06/05/23 00:00	Sat 06/05/23 04:00	855	Operations
857		Refill Hot Wash Water Tank & Reheat	4 hrs	Sat 06/05/23 00:00	Sat 06/05/23 04:00	856SS	Operations
858		Drain Carbonators by pumping forward to Crystalisers	1 hr	Sat 06/05/23 04:00	Sat 06/05/23 05:00	857	Operations
859		Fill Carbonators With HWW	1 hr	Sat 06/05/23 05:00	Sat 06/05/23 06:00	858	Operations
860		Agitate	4 hrs	Sat 06/05/23 06:00	Sat 06/05/23 10:00	859	Operations
861		Refill Hot Wash Water Tank & Reheat	4 hrs	Sat 06/05/23 06:00	Sat 06/05/23 10:00	860SS	Operations
862		Drain Carbonators by pumping forward to Crystalisers	1 hr	Sat 06/05/23 10:00	Sat 06/05/23 11:00	861	Operations
863	**27A2DF01**	**PRE-CARBONATOR - Cleaning**	**6.25 hrs**	**Thu 04/05/23 17:00**	**Fri 05/05/23 12:45**	**843SS**	
864		Organize Hoses, Mops, Buckets And Brooms	0 hrs	Thu 04/05/23 17:00	Thu 04/05/23 17:00		Operations
865		Drain Tank	2.5 hrs	Thu 04/05/23 17:00	Thu 04/05/23 19:30	864	Operations
866		Issue Permit	0.25 hrs	Thu 04/05/23 19:30	Thu 04/05/23 19:45	865	Operations
867		Obtain Vessel Entry Permit	0.75 hrs	Thu 04/05/23 19:45	Thu 04/05/23 20:30	866	Operations
868		Clean Tank Internally	16 hrs	Thu 04/05/23 20:30	Fri 05/05/23 12:30	867	Operations
869		Clear Permit	0.25 hrs	Fri 05/05/23 12:30	Fri 05/05/23 12:45	868	Operations
870	**27A2ST01**	**T-BRINE LINE - Flushing**	**0 hrs**	**Thu 04/05/23 16:00**	**Thu 04/05/23 16:00**	**822SS**	
871		First flush - Lake cooling water	0 hrs	Thu 04/05/23 16:00	Thu 04/05/23 16:00		Operations
872		Second flush - Brackish water	0 hrs	Thu 04/05/23 16:00	Thu 04/05/23 16:00	871	Operations
873	**27B2FB04**	**CARBONATION FEED TANK - Cleaning**	**9 hrs**	**Wed 03/05/23 08:30**	**Wed 03/05/23 23:45**	**800**	
874		Organize Hoses, Mops, Buckets And Brooms	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30		Operations
875		Drain Tank	2.5 hrs	Wed 03/05/23 08:30	Wed 03/05/23 11:00	874	Operations
876		Issue Permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15	875	Operations
877		Obtain Vessel Entry Permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	876	Operations
878		Clean Tank Internally	12 hrs	Wed 03/05/23 11:30	Wed 03/05/23 23:30	877	Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
879		Clear Permit	0.25 hrs	Wed 03/05/23 23:30	Wed 03/05/23 23:45	878	Operations
880		**CARBONATOR FEED HEATER (TRIM HEATER) - Cleaning**	**37.75 hrs**	**Mon 08/05/23 23:30**	**Fri 12/05/23 13:45**	**2234**	
881		Organise high pressure washer prior	0 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:30		Operations
882		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45	881	Operations
883		Accept Permit	0.25 hrs	Mon 08/05/23 23:45	Tue 09/05/23 00:00	882	Operations
884		Undo top dome bolts	2 hrs	Tue 09/05/23 07:00	Tue 09/05/23 09:00	883	G Kapenda,O Keamogetswe
885		Remove top dome	1 hr	Tue 09/05/23 09:00	Tue 09/05/23 10:00	884	M-Crane 30Ton,G Moeseraela,T Moloi,
886		Undo bottom dome bolts	2 hrs	Tue 09/05/23 10:00	Tue 09/05/23 12:00	885	G Kapenda,O Keamogetswe
887		Remove bottom dome	1 hr	Tue 09/05/23 12:30	Tue 09/05/23 13:30	886	G Moeseraela,T Moloi,G Kapenda,O Ke
888		Inspect Tube Bundle	0.5 hrs	Tue 09/05/23 13:30	Tue 09/05/23 14:00	887	Operations
889		Wash with water lance	60 hrs	Tue 09/05/23 14:00	Fri 12/05/23 02:00	888	Operations
890		Rig in bottom dome	1 hr	Fri 12/05/23 07:00	Fri 12/05/23 08:00	889	G Moeseraela,T Moloi,G Kapenda,O Ke
891		Tighten bolts	2 hrs	Fri 12/05/23 08:00	Fri 12/05/23 10:00	890	G Kapenda,O Keamogetswe
892		Rig in top dome	1 hr	Fri 12/05/23 10:00	Fri 12/05/23 11:00	891	M-Crane 30Ton,G Moeseraela,T Moloi,
893		Tighten bolts	2 hrs	Fri 12/05/23 11:00	Fri 12/05/23 13:30	892	G Kapenda,O Keamogetswe
894		Clear Permit	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45	893	Operations
895	**27A2FH01**	**SEAL POT - Cleaning**	**12.25 hrs**	**Wed 03/05/23 08:30**	**Thu 04/05/23 10:15**	**800**	
896		Organsie hoses prior	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30		Operations
897		Drain tank	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30	896	Operations
898		Make out permit	0.25 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:45	897	Operations
899		Accept permit	0.25 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:00	898	Operations
900		Open inspection covers	3 hrs	Wed 03/05/23 09:00	Wed 03/05/23 12:00	899	G Kapenda,O Keamogetswe
901		Complete vessel entry permit	0.25 hrs	Wed 03/05/23 12:00	Wed 03/05/23 12:15	900	Operations
902		Carry out gas test	0.25 hrs	Wed 03/05/23 12:15	Wed 03/05/23 12:30	901	Operations
903		Clean tank	12 hrs	Wed 03/05/23 12:30	Thu 04/05/23 00:30	902	Operations
904		Mop tank	1 hr	Thu 04/05/23 00:30	Thu 04/05/23 01:30	903	Operations
905		Close inspection covers	3 hrs	Thu 04/05/23 07:00	Thu 04/05/23 10:00	904	G Kapenda,O Keamogetswe
906		Clear permits	0.25 hrs	Thu 04/05/23 10:00	Thu 04/05/23 10:15	905	Operations
907	**27A2FF01**	**OFF GAS SEPARATOR - Cleaning CO2 Separator**	**17.75 hrs**	**Wed 03/05/23 08:30**	**Thu 04/05/23 16:15**	**800**	
908		Erect scaffolding prior	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30		RSC Scaffolding
909		Organize Hoses (Prior)	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30	908	Operations
910		Make Out Permit	0.25 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:45	909	Operations
911		Accept Permit	0.25 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:00	910	Operations
912		Close Soft Water To Separator	0.5 hrs	Wed 03/05/23 09:00	Wed 03/05/23 09:30	911	Operations
913		Drain Separator Tank	2 hrs	Wed 03/05/23 09:30	Wed 03/05/23 11:30	912	Operations
914		Open Inspection Covers	3 hrs	Wed 03/05/23 11:30	Wed 03/05/23 15:00	913	G Kapenda,O Keamogetswe
915		Clean Tank Internally	4 hrs	Wed 03/05/23 15:00	Wed 03/05/23 19:00	914	Operations
916		Remove pads	1 hr	Thu 04/05/23 07:00	Thu 04/05/23 08:00	915	G Kapenda,O Keamogetswe
917		Clean pads	3 hrs	Thu 04/05/23 08:00	Thu 04/05/23 11:00	916	Operations
918		Inspect and replace if necessary	2 hrs	Thu 04/05/23 11:00	Thu 04/05/23 13:00	917	Operations
919		Box up separator	3 hrs	Thu 04/05/23 13:00	Thu 04/05/23 16:00	918	G Kapenda,O Keamogetswe
920		Clear Permit	0.25 hrs	Thu 04/05/23 16:00	Thu 04/05/23 16:15	919	Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
921		Dismantle scaffolding	0 hrs	Thu 04/05/23 16:15	Thu 04/05/23 16:15	920	RSC Scaffolding
922	**27B2FK01**	**# A SAND FILTER - Inspect Sand Filters**	**93 hrs**	**Wed 03/05/23 08:30**	**Thu 11/05/23 19:30**	**800**	
923		Carry out thickness test prior	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30		Reliability
924		Organize Sand, Shovels (Prior)	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30	923	Operations
925		Erect external caffolding (Prior)	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30	924	RSC Scaffolding
926		Soak Sand Filter with HWW	4 hrs	Wed 03/05/23 08:30	Wed 03/05/23 12:30	925	Operations
927		Make Out Permit	0.25 hrs	Wed 03/05/23 12:30	Wed 03/05/23 12:45	926	Operations
928		Accept Permit	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00	927	Standby Fitters
929		Open Manhole Covers	3 hrs	Wed 03/05/23 13:00	Wed 03/05/23 16:00	928	Standby Fitters
930		Clean And Remove Sand	24 hrs	Wed 03/05/23 16:00	Thu 04/05/23 16:00	929	Operations
931		Inspect and repair Sand Beds And Internals	24 hrs	Thu 04/05/23 16:00	Fri 05/05/23 16:00	930	Operations
932		Inspect and repair/replace nozzels	5 hrs	Fri 05/05/23 16:00	Fri 05/05/23 21:00	931	Operations
933		Refill With New Sand	8 hrs	Thu 11/05/23 10:15	Thu 11/05/23 18:15	932,984	Operations
934		Box Up	1 hr	Thu 11/05/23 18:15	Thu 11/05/23 19:15	933	Standby Fitters
935		Clear Permit	0.25 hrs	Thu 11/05/23 19:15	Thu 11/05/23 19:30	934	Standby Fitters
936	**27B2FK02**	**# B SAND FILTER - Inspect Sand Filters**	**93 hrs**	**Wed 03/05/23 08:30**	**Thu 11/05/23 22:15**	**922SS**	
937		Fabricate Pipes (Prior)	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30		
938		Carry out thickness test prior	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30	937	Reliability
939		Organize Sand, Shovels (Prior)	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30	938	Operations
940		Erect external caffolding (Prior)	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30	939	RSC Scaffolding
941		Soak Sand Filter with HWW	4 hrs	Wed 03/05/23 08:30	Wed 03/05/23 12:30	940	Operations
942		Make Out Permit	0.25 hrs	Wed 03/05/23 12:30	Wed 03/05/23 12:45	941	Operations
943		Accept Permit	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00	942	Standby Fitters
944		Open Manhole Covers	3 hrs	Wed 03/05/23 13:00	Wed 03/05/23 16:00	943	Standby Fitters
945		Clean And Remove Sand	24 hrs	Wed 03/05/23 16:00	Thu 04/05/23 16:00	944	Operations
946		Inspect Sand Beds And Internals	24 hrs	Thu 04/05/23 16:00	Fri 05/05/23 16:00	945	Operations
947		Inspect Nozzels	5 hrs	Fri 05/05/23 16:00	Fri 05/05/23 21:00	946	Operations
948		Refill With New Sand	8 hrs	Thu 11/05/23 13:00	Thu 11/05/23 21:00	947,1005	Operations
949		Box Up	1 hr	Thu 11/05/23 21:00	Thu 11/05/23 22:00	948	Standby Fitters
950		Clear Permit	0.25 hrs	Thu 11/05/23 22:00	Thu 11/05/23 22:15	949	Standby Fitters
951	**27B2FK03**	**# C SAND FILTER - Inspect Sand Filters**	**69.75 hrs**	**Thu 11/05/23 19:30**	**Sun 14/05/23 17:15**	**922**	
952		Fabricate Pipes (Prior)	0 hrs	Thu 11/05/23 19:30	Thu 11/05/23 19:30		
953		Carry out thickness test prior	0 hrs	Thu 11/05/23 19:30	Thu 11/05/23 19:30	952	Reliability
954		Organize Sand, Shovels (Prior)	0 hrs	Thu 11/05/23 19:30	Thu 11/05/23 19:30	953	Operations
955		Erect external caffolding (Prior)	0 hrs	Thu 11/05/23 19:30	Thu 11/05/23 19:30	954	RSC Scaffolding
956		Soak Sand Filter with HWW	4 hrs	Thu 11/05/23 19:30	Thu 11/05/23 23:30	955	Operations
957		Make Out Permit	0.25 hrs	Thu 11/05/23 23:30	Thu 11/05/23 23:45	956	Operations
958		Accept Permit	0.25 hrs	Thu 11/05/23 23:45	Fri 12/05/23 00:00	957	Standby Fitters
959		Open Manhole Covers	3 hrs	Fri 12/05/23 00:00	Fri 12/05/23 03:00	958	Standby Fitters
960		Clean And Remove Sand	24 hrs	Fri 12/05/23 03:00	Sat 13/05/23 03:00	959	Operations
961		Inspect Sand Beds And Internals	24 hrs	Sat 13/05/23 03:00	Sun 14/05/23 03:00	960	Operations
962		Inspect Nozzels	5 hrs	Sun 14/05/23 03:00	Sun 14/05/23 08:00	961	Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
963		Refill With New Sand	8 hrs	Sun 14/05/23 08:00	Sun 14/05/23 16:00	962,1026	Operations
964		Box Up	1 hr	Sun 14/05/23 16:00	Sun 14/05/23 17:00	963	Standby Fitters
965		Clear Permit	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	964	Standby Fitters
966	**27B2FK04**	**# D SAND FILTER - Inspect Sand Filters**	**84 hrs**	**Thu 11/05/23 19:30**	**Fri 19/05/23 23:30**	**951SS**	
967		Fabricate Pipes (Prior)	0 hrs	Thu 11/05/23 19:30	Thu 11/05/23 19:30		
968		Carry out thickness test prior	0 hrs	Thu 11/05/23 19:30	Thu 11/05/23 19:30	967	Reliability
969		Organize Sand, Shovels (Prior)	0 hrs	Thu 11/05/23 19:30	Thu 11/05/23 19:30	968	Operations
970		Erect external caffolding (Prior)	0 hrs	Thu 11/05/23 19:30	Thu 11/05/23 19:30	969	RSC Scaffolding
971		Soak Sand Filter with HWW	4 hrs	Thu 11/05/23 19:30	Thu 11/05/23 23:30	970	Operations
972		Make Out Permit	0.25 hrs	Thu 11/05/23 23:30	Thu 11/05/23 23:45	971	Operations
973		Accept Permit	0.25 hrs	Thu 11/05/23 23:45	Fri 12/05/23 00:00	972	Standby Fitters
974		Open Manhole Covers	3 hrs	Fri 12/05/23 00:00	Fri 12/05/23 03:00	973	Standby Fitters
975		Clean And Remove Sand	24 hrs	Fri 12/05/23 03:00	Sat 13/05/23 03:00	974	Operations
976		Inspect Sand Beds And Internals	24 hrs	Sat 13/05/23 03:00	Sun 14/05/23 03:00	975	Operations
977		Inspect Nozzels	5 hrs	Sun 14/05/23 03:00	Sun 14/05/23 08:00	976	Operations
978		Refill With New Sand	8 hrs	Fri 19/05/23 14:15	Fri 19/05/23 22:15	977,1047	Operations
979		Box Up	1 hr	Fri 19/05/23 22:15	Fri 19/05/23 23:15	978	Standby Fitters
980		Clear Permit	0.25 hrs	Fri 19/05/23 23:15	Fri 19/05/23 23:30	979	Standby Fitters
981		**MAINTENANCE STARTS**	**0 hrs**	**Fri 05/05/23 10:00**	**Fri 05/05/23 10:00**	**800SS+24 h**	
982		Maintenance jobs commence	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		
983		**MECHANICAL**	**186.25 hrs**	**Fri 05/05/23 10:00**	**Tue 23/05/23 07:15**	**981**	
984	**27B2FK01**	**# A SAND FILTER - Remove rubberlining then glasscoat tank**	**57.75 hrs**	**Fri 05/05/23 16:00**	**Thu 11/05/23 10:15**	**931**	
985		Make out permit	0.25 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:15		Operations
986		Accept permit	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30	985	G Kapenda,O Keamogetswe
987		Carry out risk assement	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	986	Corrocoat,G Kapenda
988		Install decontamination controls	6 hrs	Fri 05/05/23 16:45	Sat 06/05/23 11:45	987	Decon Team
989		Obtain vessel entry permit	0.25 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:00	988	Operations
990		Erect internal mobile scaffold	2 hrs	Sat 06/05/23 12:00	Sat 06/05/23 14:00	989	RSC Scaffolding
991		Peel off rubberlining	10 hrs	Sat 06/05/23 14:00	Sun 07/05/23 00:00	990	Corrocoat
992		Sandblast vessel	8 hrs	Sun 07/05/23 00:00	Sun 07/05/23 08:00	991	Corrocoat
993		Clean surfaces	4 hrs	Sun 07/05/23 08:00	Sun 07/05/23 12:00	992	Corrocoat
994		Carry out thickness test	4 hrs	Sun 07/05/23 12:00	Sun 07/05/23 16:00	993	Corrocoat
995		Carry out repairs to worn out, holed or damaged areas	20 hrs	Sun 07/05/23 16:00	Mon 08/05/23 12:00	994	Corrocoat
996		Decontaminate vessel	6 hrs	Mon 08/05/23 12:00	Mon 08/05/23 18:00	995	Corrocoat
997		Carry out glasscoating priming	12 hrs	Mon 08/05/23 18:00	Tue 09/05/23 06:00	996	Corrocoat
998		Curing time	8 hrs	Tue 09/05/23 06:00	Tue 09/05/23 14:00	997	Corrocoat
999		Carry out glasscoating final coat	12 hrs	Tue 09/05/23 14:00	Wed 10/05/23 02:00	998	Corrocoat
1000		Curing time	8 hrs	Wed 10/05/23 02:00	Wed 10/05/23 10:00	999	Corrocoat
1001		Perform spark testing	4 hrs	Wed 10/05/23 10:00	Wed 10/05/23 14:00	1000	Corrocoat
1002		Remove scaffold	1 hr	Wed 10/05/23 14:00	Wed 10/05/23 15:00	1001	G Kapenda,O Keamogetswe
1003		Remove decontamination controls	6 hrs	Wed 10/05/23 15:00	Thu 11/05/23 10:00	1002	Decon Team
1004		Clear permit	0.25 hrs	Thu 11/05/23 10:00	Thu 11/05/23 10:15	1003	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1005	**27B2FK02**	**# B SAND FILTER - Remove rubberlining then glasscoat tank**	**58 hrs**	**Fri 05/05/23 21:00**	**Thu 11/05/23 13:00**	**947**	
1006		Make out permit	0.25 hrs	Fri 05/05/23 21:00	Fri 05/05/23 21:15		Operations
1007		Accept permit	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	1006	G Kapenda,O Keamogetswe
1008		Carry out risk assement	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	1007	Corrocoat,G Kapenda
1009		Install decontamination controls	6 hrs	Sat 06/05/23 07:30	Sat 06/05/23 14:00	1008	Decon Team
1010		Obtain vessel entry permit	0.25 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:15	1009	Operations
1011		Erect internal mobile scaffold	2 hrs	Sat 06/05/23 14:15	Sat 06/05/23 16:15	1010	RSC Scaffolding
1012		Peel off rubberlining	10 hrs	Sat 06/05/23 16:15	Sun 07/05/23 02:15	1011	Corrocoat
1013		Sandblast vessel	8 hrs	Sun 07/05/23 02:15	Sun 07/05/23 10:15	1012	Corrocoat
1014		Clean surfaces	4 hrs	Sun 07/05/23 10:15	Sun 07/05/23 14:15	1013	Corrocoat
1015		Carry out thickness test	4 hrs	Sun 07/05/23 14:15	Sun 07/05/23 18:15	1014	Corrocoat
1016		Carry out repairs to worn out, holed or damaged areas	20 hrs	Sun 07/05/23 18:15	Mon 08/05/23 14:15	1015	Corrocoat
1017		Decontaminate vessel	6 hrs	Mon 08/05/23 14:15	Mon 08/05/23 20:15	1016	Corrocoat
1018		Carry out glasscoating priming	12 hrs	Mon 08/05/23 20:15	Tue 09/05/23 08:15	1017	Corrocoat
1019		Curing time	8 hrs	Tue 09/05/23 08:15	Tue 09/05/23 16:15	1018	Corrocoat
1020		Carry out glasscoating final coat	12 hrs	Tue 09/05/23 16:15	Wed 10/05/23 04:15	1019	Corrocoat
1021		Curing time	8 hrs	Wed 10/05/23 04:15	Wed 10/05/23 12:15	1020	Corrocoat
1022		Perform spark testing	4 hrs	Wed 10/05/23 12:15	Wed 10/05/23 16:15	1021	Corrocoat
1023		Remove scaffold	1 hr	Wed 10/05/23 16:15	Wed 10/05/23 17:15	1022	G Kapenda,O Keamogetswe
1024		Remove decontamination controls	6 hrs	Wed 10/05/23 17:15	Thu 11/05/23 12:45	1023	Decon Team
1025		Clear permit	0.25 hrs	Thu 11/05/23 12:45	Thu 11/05/23 13:00	1024	G Kapenda,O Keamogetswe
1026	**27B2FK03**	**# C SAND FILTER - Remove rubberlining then glasscoat tank**	**56.75 hrs**	**Fri 05/05/23 10:00**	**Wed 10/05/23 14:45**		
1027		Make out permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
1028		Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1027	G Kapenda,O Keamogetswe
1029		Carry out risk assement	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	1028	Corrocoat,G Kapenda
1030		Install decontamination controls	6 hrs	Fri 05/05/23 10:45	Fri 05/05/23 17:15	1029	Decon Team
1031		Obtain vessel entry permit	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30	1030	Operations
1032		Erect internal mobile scaffold	2 hrs	Fri 05/05/23 17:30	Fri 05/05/23 19:30	1031	RSC Scaffolding
1033		Peel off rubberlining	10 hrs	Fri 05/05/23 19:30	Sat 06/05/23 05:30	1032	Corrocoat
1034		Sandblast vessel	8 hrs	Sat 06/05/23 05:30	Sat 06/05/23 13:30	1033	Corrocoat
1035		Clean surfaces	4 hrs	Sat 06/05/23 13:30	Sat 06/05/23 17:30	1034	Corrocoat
1036		Carry out thickness test	4 hrs	Sat 06/05/23 17:30	Sat 06/05/23 21:30	1035	Corrocoat
1037		Carry out repairs to worn out, holed or damaged areas	20 hrs	Sat 06/05/23 21:30	Sun 07/05/23 17:30	1036	Corrocoat
1038		Decontaminate vessel	6 hrs	Sun 07/05/23 17:30	Sun 07/05/23 23:30	1037	Corrocoat
1039		Carry out glasscoating priming	12 hrs	Sun 07/05/23 23:30	Mon 08/05/23 11:30	1038	Corrocoat
1040		Curing time	8 hrs	Mon 08/05/23 11:30	Mon 08/05/23 19:30	1039	Corrocoat
1041		Carry out glasscoating final coat	12 hrs	Mon 08/05/23 19:30	Tue 09/05/23 07:30	1040	Corrocoat
1042		Curing time	8 hrs	Tue 09/05/23 07:30	Tue 09/05/23 15:30	1041	Corrocoat
1043		Perform spark testing	4 hrs	Tue 09/05/23 15:30	Tue 09/05/23 19:30	1042	Corrocoat
1044		Remove scaffold	1 hr	Wed 10/05/23 07:00	Wed 10/05/23 08:00	1043	G Kapenda,O Keamogetswe
1045		Remove decontamination controls	6 hrs	Wed 10/05/23 08:00	Wed 10/05/23 14:30	1044	Decon Team
1046		Clear permit	0.25 hrs	Wed 10/05/23 14:30	Wed 10/05/23 14:45	1045	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1047	**27B2FK04**	**# D SAND FILTER - Remove rubberlining then glasscoat tank**	**58.25 hrs**	**Sun 14/05/23 08:00**	**Fri 19/05/23 14:15**	**977**	
1048		Make out permit	0.25 hrs	Sun 14/05/23 08:00	Sun 14/05/23 08:15		Operations
1049		Accept permit	0.25 hrs	Sun 14/05/23 08:15	Sun 14/05/23 08:30	1048	G Kapenda,O Keamogetswe
1050		Carry out risk assement	0.25 hrs	Sun 14/05/23 08:30	Sun 14/05/23 08:45	1049	Corrocoat,G Kapenda
1051		Install decontamination controls	6 hrs	Sun 14/05/23 08:45	Sun 14/05/23 15:15	1050	Decon Team
1052		Obtain vessel entry permit	0.25 hrs	Sun 14/05/23 15:15	Sun 14/05/23 15:30	1051	Operations
1053		Erect internal mobile scaffold	2 hrs	Sun 14/05/23 15:30	Sun 14/05/23 17:30	1052	RSC Scaffolding
1054		Peel off rubberlining	10 hrs	Sun 14/05/23 17:30	Mon 15/05/23 03:30	1053	Corrocoat
1055		Sandblast vessel	8 hrs	Mon 15/05/23 03:30	Mon 15/05/23 11:30	1054	Corrocoat
1056		Clean surfaces	4 hrs	Mon 15/05/23 11:30	Mon 15/05/23 15:30	1055	Corrocoat
1057		Carry out thickness test	4 hrs	Mon 15/05/23 15:30	Mon 15/05/23 19:30	1056	Corrocoat
1058		Carry out repairs to worn out, holed or damaged areas	20 hrs	Mon 15/05/23 19:30	Tue 16/05/23 15:30	1057	Corrocoat
1059		Decontaminate vessel	6 hrs	Tue 16/05/23 15:30	Tue 16/05/23 21:30	1058	Corrocoat
1060		Carry out glasscoating priming	12 hrs	Tue 16/05/23 21:30	Wed 17/05/23 09:30	1059	Corrocoat
1061		Curing time	8 hrs	Wed 17/05/23 09:30	Wed 17/05/23 17:30	1060	Corrocoat
1062		Carry out glasscoating final coat	12 hrs	Wed 17/05/23 17:30	Thu 18/05/23 05:30	1061	Corrocoat
1063		Curing time	8 hrs	Thu 18/05/23 05:30	Thu 18/05/23 13:30	1062	Corrocoat
1064		Perform spark testing	4 hrs	Thu 18/05/23 13:30	Thu 18/05/23 17:30	1063	Corrocoat
1065		Remove scaffold	1 hr	Thu 18/05/23 17:30	Fri 19/05/23 07:30	1064	G Kapenda,O Keamogetswe
1066		Remove decontamination controls	6 hrs	Fri 19/05/23 07:30	Fri 19/05/23 14:00	1065	Decon Team
1067		Clear permit	0.25 hrs	Fri 19/05/23 14:00	Fri 19/05/23 14:15	1066	G Kapenda,O Keamogetswe
1068	**27B2FK01**	**# A SAND FILTER - Fabricate And Replace Sandfilter internal pipes**	**66.75 hrs**	**Fri 05/05/23 10:00**	**Thu 11/05/23 14:15**		
1069		Inspect prior	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		
1070		Make Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	1069	M Ramatlhakeng,S Monna
1071		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1070	M Ramatlhakeng,S Monna
1072		Risk Assesment	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	1071	M Ramatlhakeng,S Monna
1073		Order Material	1 hr	Fri 05/05/23 10:45	Fri 05/05/23 11:45	1072	M Ramatlhakeng,S Monna
1074		Mark Pipes To Sizes	1.5 hrs	Fri 05/05/23 11:45	Fri 05/05/23 13:45	1073	M Ramatlhakeng,S Monna
1075		Cut Pipes As Per Marked	3 hrs	Fri 05/05/23 13:45	Fri 05/05/23 16:45	1074	M Ramatlhakeng,S Monna
1076		Bevel Pipes	4 hrs	Fri 05/05/23 16:45	Sat 06/05/23 09:45	1075	M Ramatlhakeng,S Monna
1077		Assemble Pipes And Tack Weld	3 hrs	Sat 06/05/23 09:45	Sat 06/05/23 13:15	1076	M Ramatlhakeng,S Monna
1078		Flange Pipes	3 hrs	Sat 06/05/23 13:15	Sat 06/05/23 16:15	1077	M Ramatlhakeng,S Monna
1079		Weld Pipes	16 hrs	Sat 06/05/23 16:15	Mon 08/05/23 10:45	1078	M Ramatlhakeng,S Monna
1080		Sandblast And Paint Pipes	24 hrs	Mon 08/05/23 10:45	Wed 10/05/23 14:15	1079	Painter 1
1081		Transport Pipes To Site	1 hr	Wed 10/05/23 14:15	Wed 10/05/23 15:15	1080	G Moeseraela,T Moloi,K Gabantogele
1082		Cut Off Existing Pipes And Rigg Down	4 hrs	Wed 10/05/23 15:15	Thu 11/05/23 08:15	1081	M Ramatlhakeng,S Monna,G Moeserae
1083		Rig Up New Pipes And Bolt Up	4 hrs	Thu 11/05/23 08:15	Thu 11/05/23 12:45	1082	G Moeseraela,T Moloi,K Gabantogele,G
1084		House Keeping	1 hr	Thu 11/05/23 12:45	Thu 11/05/23 13:45	1083	M Ramatlhakeng,S Monna,G Moeserae
1085		Clear Permit	0.25 hrs	Thu 11/05/23 13:45	Thu 11/05/23 14:00	1084	M Ramatlhakeng,S Monna,G Moeserae
1086		Sign Off Permit	0.25 hrs	Thu 11/05/23 14:00	Thu 11/05/23 14:15	1085	Operations
1087	**27B2FK01**	**# A SAND FILTER - Replace T-Brine inlet isolation valve**	**7.25 hrs**	**Thu 11/05/23 14:15**	**Fri 12/05/23 10:30**	**1068**	
1088		Make out permit	0.25 hrs	Thu 11/05/23 14:15	Thu 11/05/23 14:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1089		Accept permit	0.25 hrs	Thu 11/05/23 14:30	Thu 11/05/23 14:45	1088	G Kapenda,O Keamogetswe
1090		Carry out risk assement	0.25 hrs	Thu 11/05/23 14:45	Thu 11/05/23 15:00	1089	G Kapenda,O Keamogetswe
1091		Ensure valve is in closed position	0.25 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:15	1090	G Kapenda,O Keamogetswe
1092		Loosen & remove all securing bolts	2 hrs	Thu 11/05/23 15:15	Thu 11/05/23 17:15	1091	G Kapenda,O Keamogetswe
1093		Rig out old valve	1 hr	Thu 11/05/23 17:15	Fri 12/05/23 07:15	1092	Crane,G Moeseraela,T Moloi,K Gabanto
1094		Rig in new valve	1 hr	Fri 12/05/23 07:15	Fri 12/05/23 08:15	1093	Crane,G Moeseraela,T Moloi,K Gabanto
1095		Replace all bolts	1 hr	Fri 12/05/23 08:15	Fri 12/05/23 09:15	1094	G Kapenda,O Keamogetswe
1096		Tighten all bolts in correct sequence	0.5 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:45	1095	G Kapenda,O Keamogetswe
1097		Housekeeping	0.5 hrs	Fri 12/05/23 09:45	Fri 12/05/23 10:15	1096	G Kapenda,O Keamogetswe
1098		Clear permit	0.25 hrs	Fri 12/05/23 10:15	Fri 12/05/23 10:30	1097	G Kapenda,O Keamogetswe
1099	**27B2FK02**	**# B SAND FILTER - Fabricate And Replace Sandfilter internal pipes**	**66.75 hrs**	**Fri 12/05/23 10:30**	**Thu 18/05/23 14:45**	**1087**	
1100		Inspect prior	0 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:30		
1101		Make Permit	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45	1100	M Ramatlhakeng,S Monna
1102		Accept Permit	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	1101	M Ramatlhakeng,S Monna
1103		Risk Assesment	0.25 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:15	1102	M Ramatlhakeng,S Monna
1104		Order Material	1 hr	Fri 12/05/23 11:15	Fri 12/05/23 12:45	1103	M Ramatlhakeng,S Monna
1105		Mark Pipes To Sizes	1.5 hrs	Fri 12/05/23 12:45	Fri 12/05/23 14:15	1104	M Ramatlhakeng,S Monna
1106		Cut Pipes As Per Marked	3 hrs	Fri 12/05/23 14:15	Fri 12/05/23 17:15	1105	M Ramatlhakeng,S Monna
1107		Bevel Pipes	4 hrs	Fri 12/05/23 17:15	Sat 13/05/23 10:15	1106	M Ramatlhakeng,S Monna
1108		Assemble Pipes And Tack Weld	3 hrs	Sat 13/05/23 10:15	Sat 13/05/23 13:45	1107	M Ramatlhakeng,S Monna
1109		Flange Pipes	3 hrs	Sat 13/05/23 13:45	Sat 13/05/23 16:45	1108	M Ramatlhakeng,S Monna
1110		Weld Pipes	16 hrs	Sat 13/05/23 16:45	Mon 15/05/23 11:15	1109	M Ramatlhakeng,S Monna
1111		Sandblast And Paint Pipes	24 hrs	Mon 15/05/23 11:15	Wed 17/05/23 14:45	1110	Painter 1
1112		Transport Pipes To Site	1 hr	Wed 17/05/23 14:45	Wed 17/05/23 15:45	1111	G Moeseraela,T Moloi,K Gabantogele
1113		Cut Off Existing Pipes And Rigg Down	4 hrs	Wed 17/05/23 15:45	Thu 18/05/23 08:45	1112	M Ramatlhakeng,S Monna,G Moeserae
1114		Rig Up New Pipes And Bolt Up	4 hrs	Thu 18/05/23 08:45	Thu 18/05/23 13:15	1113	G Moeseraela,T Moloi,K Gabantogele,G
1115		House Keeping	1 hr	Thu 18/05/23 13:15	Thu 18/05/23 14:15	1114	M Ramatlhakeng,S Monna,G Moeserae
1116		Clear Permit	0.25 hrs	Thu 18/05/23 14:15	Thu 18/05/23 14:30	1115	M Ramatlhakeng,S Monna,G Moeserae
1117		Sign Off Permit	0.25 hrs	Thu 18/05/23 14:30	Thu 18/05/23 14:45	1116	Operations
1118	**27B2FK02**	**# B SAND FILTER - Replace T-Brine inlet isolation valve**	**7.25 hrs**	**Thu 18/05/23 14:45**	**Fri 19/05/23 11:00**	**1099**	
1119		Make out permit	0.25 hrs	Thu 18/05/23 14:45	Thu 18/05/23 15:00		Operations
1120		Accept permit	0.25 hrs	Thu 18/05/23 15:00	Thu 18/05/23 15:15	1119	G Kapenda,O Keamogetswe
1121		Carry out risk assement	0.25 hrs	Thu 18/05/23 15:15	Thu 18/05/23 15:30	1120	G Kapenda,O Keamogetswe
1122		Ensure valve is in closed position	0.25 hrs	Thu 18/05/23 15:30	Thu 18/05/23 15:45	1121	G Kapenda,O Keamogetswe
1123		Loosen & remove all securing bolts	2 hrs	Thu 18/05/23 15:45	Thu 18/05/23 17:45	1122	G Kapenda,O Keamogetswe
1124		Rig out old valve	1 hr	Thu 18/05/23 17:45	Fri 19/05/23 07:45	1123	Crane,G Moeseraela,T Moloi,K Gabanto
1125		Rig in new valve	1 hr	Fri 19/05/23 07:45	Fri 19/05/23 08:45	1124	Crane,G Moeseraela,T Moloi,K Gabanto
1126		Replace all bolts	1 hr	Fri 19/05/23 08:45	Fri 19/05/23 09:45	1125	G Kapenda,O Keamogetswe
1127		Tighten all bolts in correct sequence	0.5 hrs	Fri 19/05/23 09:45	Fri 19/05/23 10:15	1126	G Kapenda,O Keamogetswe
1128		Housekeeping	0.5 hrs	Fri 19/05/23 10:15	Fri 19/05/23 10:45	1127	G Kapenda,O Keamogetswe
1129		Clear permit	0.25 hrs	Fri 19/05/23 10:45	Fri 19/05/23 11:00	1128	G Kapenda,O Keamogetswe
1130	**27B2FK03**	**# C SAND FILTER - Fabricate And Replace Sandfilter internal pipes**	**66.5 hrs**	**Fri 05/05/23 10:00**	**Thu 11/05/23 14:00**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1131		Inspect prior	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		
1132		Make Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	1131	Operations
1133		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1132	M Ramatlhakeng,S Monna
1134		Risk Assesment	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	1133	M Ramatlhakeng,S Monna
1135		Order Material	1 hr	Fri 05/05/23 10:45	Fri 05/05/23 11:45	1134	M Ramatlhakeng,S Monna
1136		Mark Pipes To Sizes	1.5 hrs	Fri 05/05/23 11:45	Fri 05/05/23 13:45	1135	M Ramatlhakeng,S Monna
1137		Cut Pipes As Per Marked	3 hrs	Fri 05/05/23 13:45	Fri 05/05/23 16:45	1136	M Ramatlhakeng,S Monna
1138		Bevel Pipes	4 hrs	Fri 05/05/23 16:45	Sat 06/05/23 09:45	1137	M Ramatlhakeng,S Monna
1139		Assemble Pipes And Tack Weld	3 hrs	Sat 06/05/23 09:45	Sat 06/05/23 13:15	1138	M Ramatlhakeng,S Monna
1140		Flange Pipes	3 hrs	Sat 06/05/23 13:15	Sat 06/05/23 16:15	1139	M Ramatlhakeng,S Monna
1141		Weld Pipes	16 hrs	Sat 06/05/23 16:15	Mon 08/05/23 10:45	1140	M Ramatlhakeng,S Monna
1142		Sandblast And Paint Pipes	24 hrs	Mon 08/05/23 10:45	Wed 10/05/23 14:15	1141	Painter 1
1143		Transport Pipes To Site	1 hr	Wed 10/05/23 14:15	Wed 10/05/23 15:15	1142	Crane lorry,G Moeseraela,T Moloi,K Ga
1144		Cut Off Existing Pipes And Rigg Down	4 hrs	Wed 10/05/23 15:15	Thu 11/05/23 08:15	1143	M Ramatlhakeng,S Monna,G Moeserae
1145		Rig Up New Pipes And Bolt Up	4 hrs	Thu 11/05/23 08:15	Thu 11/05/23 12:45	1144	G Moeseraela,T Moloi,K Gabantogele
1146		House Keeping	1 hr	Thu 11/05/23 12:45	Thu 11/05/23 13:45	1145	M Ramatlhakeng,S Monna,G Moeserae
1147		Clear Permit	0.25 hrs	Thu 11/05/23 13:45	Thu 11/05/23 14:00	1146	M Ramatlhakeng,S Monna,G Moeserae
1148	**27B2FK03**	**# C SAND FILTER - Replace T-Brine inlet isolation valve**	**7.25 hrs**	**Thu 11/05/23 14:00**	**Fri 12/05/23 10:15**	**1130**	
1149		Make out permit	0.25 hrs	Thu 11/05/23 14:00	Thu 11/05/23 14:15		Operations
1150		Accept permit	0.25 hrs	Thu 11/05/23 14:15	Thu 11/05/23 14:30	1149	G Kapenda,O Keamogetswe
1151		Carry out risk assement	0.25 hrs	Thu 11/05/23 14:30	Thu 11/05/23 14:45	1150	G Kapenda,O Keamogetswe
1152		Ensure valve is in closed position	0.25 hrs	Thu 11/05/23 14:45	Thu 11/05/23 15:00	1151	G Kapenda,O Keamogetswe
1153		Loosen & remove all securing bolts	2 hrs	Thu 11/05/23 15:00	Thu 11/05/23 17:00	1152	G Kapenda,O Keamogetswe
1154		Rig out old valve	1 hr	Thu 11/05/23 17:00	Thu 11/05/23 18:00	1153	Crane,G Moeseraela,T Moloi,K Gabanto
1155		Rig in new valve	1 hr	Fri 12/05/23 07:00	Fri 12/05/23 08:00	1154	Crane,G Moeseraela,T Moloi,K Gabanto
1156		Replace all bolts	1 hr	Fri 12/05/23 08:00	Fri 12/05/23 09:00	1155	G Kapenda,O Keamogetswe
1157		Tighten all bolts in correct sequence	0.5 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:30	1156	G Kapenda,O Keamogetswe
1158		Housekeeping	0.5 hrs	Fri 12/05/23 09:30	Fri 12/05/23 10:00	1157	G Kapenda,O Keamogetswe
1159		Clear permit	0.25 hrs	Fri 12/05/23 10:00	Fri 12/05/23 10:15	1158	G Kapenda,O Keamogetswe
1160	**27B2FK04**	**# D SAND FILTER - Fabricate And Replace Sandfilter internal pipes**	**66.75 hrs**	**Fri 12/05/23 10:15**	**Thu 18/05/23 14:30**	**1148**	
1161		Inspect prior	0 hrs	Fri 12/05/23 10:15	Fri 12/05/23 10:15		
1162		Make Permit	0.25 hrs	Fri 12/05/23 10:15	Fri 12/05/23 10:30	1161	Operations
1163		Accept Permit	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45	1162	M Ramatlhakeng,S Monna
1164		Risk Assesment	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	1163	M Ramatlhakeng,S Monna
1165		Order Material	1 hr	Fri 12/05/23 11:00	Fri 12/05/23 12:00	1164	M Ramatlhakeng,S Monna
1166		Mark Pipes To Sizes	1.5 hrs	Fri 12/05/23 12:30	Fri 12/05/23 14:00	1165	M Ramatlhakeng,S Monna
1167		Cut Pipes As Per Marked	3 hrs	Fri 12/05/23 14:00	Fri 12/05/23 17:00	1166	M Ramatlhakeng,S Monna
1168		Bevel Pipes	4 hrs	Fri 12/05/23 17:00	Sat 13/05/23 10:00	1167	M Ramatlhakeng,S Monna
1169		Assemble Pipes And Tack Weld	3 hrs	Sat 13/05/23 10:00	Sat 13/05/23 13:30	1168	M Ramatlhakeng,S Monna
1170		Flange Pipes	3 hrs	Sat 13/05/23 13:30	Sat 13/05/23 16:30	1169	M Ramatlhakeng,S Monna
1171		Weld Pipes	16 hrs	Sat 13/05/23 16:30	Mon 15/05/23 11:00	1170	M Ramatlhakeng,S Monna
1172		Sandblast And Paint Pipes	24 hrs	Mon 15/05/23 11:00	Wed 17/05/23 14:30	1171	Painter 1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1173		Transport Pipes To Site	1 hr	Wed 17/05/23 14:30	Wed 17/05/23 15:30	1172	Crane lorry,G Moeseraela,T Moloi,K Ga
1174		Cut Off Existing Pipes And Rigg Down	4 hrs	Wed 17/05/23 15:30	Thu 18/05/23 08:30	1173	M Ramatlhakeng,S Monna,G Moeserae
1175		Rig Up New Pipes And Bolt Up	4 hrs	Thu 18/05/23 08:30	Thu 18/05/23 13:00	1174	G Moeseraela,T Moloi,K Gabantogele
1176		House Keeping	1 hr	Thu 18/05/23 13:00	Thu 18/05/23 14:00	1175	M Ramatlhakeng,S Monna,G Moeserae
1177		Clear Permit	0.25 hrs	Thu 18/05/23 14:00	Thu 18/05/23 14:15	1176	M Ramatlhakeng,S Monna,G Moeserae
1178		Sign Off Permit	0.25 hrs	Thu 18/05/23 14:15	Thu 18/05/23 14:30	1177	Operations
1179	**27B2FK04**	**# D SAND FILTER - Replace T-Brine inlet isolation valve**	**7.25 hrs**	**Thu 18/05/23 14:30**	**Fri 19/05/23 10:45**	**1160**	
1180		Make out permit	0.25 hrs	Thu 18/05/23 14:30	Thu 18/05/23 14:45		Operations
1181		Accept permit	0.25 hrs	Thu 18/05/23 14:45	Thu 18/05/23 15:00	1180	G Kapenda,O Keamogetswe
1182		Carry out risk assement	0.25 hrs	Thu 18/05/23 15:00	Thu 18/05/23 15:15	1181	G Kapenda,O Keamogetswe
1183		Ensure valve is in closed position	0.25 hrs	Thu 18/05/23 15:15	Thu 18/05/23 15:30	1182	G Kapenda,O Keamogetswe
1184		Loosen & remove all securing bolts	2 hrs	Thu 18/05/23 15:30	Thu 18/05/23 17:30	1183	G Kapenda,O Keamogetswe
1185		Rig out old valve	1 hr	Thu 18/05/23 17:30	Fri 19/05/23 07:30	1184	Crane,G Kapenda,O Keamogetswe,G M
1186		Rig in new valve	1 hr	Fri 19/05/23 07:30	Fri 19/05/23 08:30	1185	Crane,G Kapenda,O Keamogetswe,G M
1187		Replace all bolts	1 hr	Fri 19/05/23 08:30	Fri 19/05/23 09:30	1186	G Kapenda,O Keamogetswe
1188		Tighten all bolts in correct sequence	0.5 hrs	Fri 19/05/23 09:30	Fri 19/05/23 10:00	1187	G Kapenda,O Keamogetswe
1189		Housekeeping	0.5 hrs	Fri 19/05/23 10:00	Fri 19/05/23 10:30	1188	G Kapenda,O Keamogetswe
1190		Clear permit	0.25 hrs	Fri 19/05/23 10:30	Fri 19/05/23 10:45	1189	G Kapenda,O Keamogetswe
1191	**27B2FK01**	**# A SAND FILTER - Repair Fibre Glass Pipe T - Brine Inlet (Fibre Glass Specialist)**	**13.25 hrs**	**Fri 19/05/23 10:45**	**Sat 20/05/23 14:00**	**843,1179**	
1192		Clean the area(prior)	0.25 hrs	Fri 19/05/23 10:45	Fri 19/05/23 11:00		Operations
1193		Make out permit	0.25 hrs	Fri 19/05/23 11:00	Fri 19/05/23 11:15	1192	Operations
1194		Accept permit to work	0.25 hrs	Fri 19/05/23 11:15	Fri 19/05/23 11:30	1193	G Kapenda,O Keamogetswe
1195		Carry out risk assesment	0.25 hrs	Fri 19/05/23 11:30	Fri 19/05/23 11:45	1194	Contractor,G Kapenda,O Keamogetswe
1196		Support the pipe to be cut with correct lifting gear	0.5 hrs	Fri 19/05/23 11:45	Fri 19/05/23 12:45	1195	G Moeseraela,T Moloi,K Gabantogele
1197		Unbolt the clamps securing the pipes(saddle clamps)	0.5 hrs	Fri 19/05/23 12:45	Fri 19/05/23 13:15	1196	Contractor,G Kapenda,O Keamogetswe
1198		Cut a section of the pipe to be replaced and remove it using correct lifting gear	1 hr	Fri 19/05/23 13:15	Fri 19/05/23 14:15	1197	Contractor,G Kapenda,O Keamogetswe
1199		Rig a new pipe in position and align with an existing pipe	2 hrs	Fri 19/05/23 14:15	Fri 19/05/23 16:15	1198	G Moeseraela,T Moloi,K Gabantogele
1200		Join and bond the pipes together using the material and chemicals provided	2 hrs	Fri 19/05/23 16:15	Sat 20/05/23 07:15	1199	Contractor,G Kapenda,O Keamogetswe
1201		Allow them to cure	4 hrs	Sat 20/05/23 07:15	Sat 20/05/23 11:15	1200	Contractor,G Kapenda,O Keamogetswe
1202		Lower the pipes on the saddles and secure them	0.5 hrs	Sat 20/05/23 11:15	Sat 20/05/23 11:45	1201	G Moeseraela,T Moloi,K Gabantogele
1203		Remove the lifting gear	0.25 hrs	Sat 20/05/23 11:45	Sat 20/05/23 12:00	1202	G Moeseraela,T Moloi,K Gabantogele
1204		Carry out housekeeping	0.25 hrs	Sat 20/05/23 12:30	Sat 20/05/23 12:45	1203	Contractor,G Kapenda,O Keamogetswe
1205		Dismantle the scaffolding	1 hr	Sat 20/05/23 12:45	Sat 20/05/23 13:45	1204	G Moeseraela,T Moloi,K Gabantogele
1206		Sign off the permit	0.25 hrs	Sat 20/05/23 13:45	Sat 20/05/23 14:00	1205	G Kapenda,O Keamogetswe
1207	**27B2ST01**	**HOT WASH INLET TO SAND FILTERS - Replace valve**	**7.25 hrs**	**Fri 12/05/23 10:15**	**Fri 12/05/23 18:00**	**1346**	
1208		Make out permit	0.25 hrs	Fri 12/05/23 10:15	Fri 12/05/23 10:30		Operations
1209		Accept permit	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45	1208	G Kapenda,O Keamogetswe
1210		Carry out risk assement	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	1209	G Kapenda,O Keamogetswe
1211		Ensure valve is in closed position	0.25 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:15	1210	G Kapenda,O Keamogetswe
1212		Loosen & remove all securing bolts	2 hrs	Fri 12/05/23 11:15	Fri 12/05/23 13:45	1211	G Kapenda,O Keamogetswe
1213		Remove old valve	1 hr	Fri 12/05/23 13:45	Fri 12/05/23 14:45	1212	Crane,G Kapenda,O Keamogetswe,G M
1214		Install new valve	1 hr	Fri 12/05/23 14:45	Fri 12/05/23 15:45	1213	Crane,G Kapenda,O Keamogetswe,G M

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1215		Replace all bolts	1 hr	Fri 12/05/23 15:45	Fri 12/05/23 16:45	1214	G Kapenda,O Keamogetswe
1216		Tighten all bolts in correct sequence	0.5 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:15	1215	G Kapenda,O Keamogetswe
1217		Housekeeping	0.5 hrs	Fri 12/05/23 17:15	Fri 12/05/23 17:45	1216	G Kapenda,O Keamogetswe
1218		Clear permit	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00	1217	G Kapenda,O Keamogetswe
1219	**27B2FB04**	**CARBONATION FEED TANK - Carry Out Spark Test And Repair**	**82.5 hrs**	**Fri 05/05/23 10:00**	**Sat 13/05/23 08:30**	**873**	
1220		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
1221		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1220	G Kapenda,O Keamogetswe
1222		Before Washing Swing All Blinds	3 hrs	Fri 05/05/23 10:30	Fri 05/05/23 14:00	1221	G Kapenda,O Keamogetswe
1223		Open Manholes	2 hrs	Fri 05/05/23 14:00	Fri 05/05/23 16:00	1222	M-Crane 7Ton,G Moeseraela,T Moloi,K
1224		Carry out decontamination protocol	6 hrs	Fri 05/05/23 16:00	Sat 06/05/23 11:00	1223	Nicholas
1225		Complete Gas Test Procedure	1 hr	Sat 06/05/23 11:00	Sat 06/05/23 12:00	1224	Lab
1226		Disconnect Seal Leg And Check For Blockage	1 hr	Sat 06/05/23 12:30	Sat 06/05/23 13:30	1225	G Kapenda,O Keamogetswe
1227		Clean & Dry Floor	0 hrs	Sat 06/05/23 13:30	Sat 06/05/23 13:30	1226	Operations
1228		Erect 10 Meters High Scaffold	8 hrs	Sat 06/05/23 13:30	Sun 07/05/23 10:30	1227	G Moeseraela,T Moloi,K Gabantogele
1229		Inspect & Spark Test	5 hrs	Mon 08/05/23 11:00	Mon 08/05/23 16:00	1228,1621	Corrocoat
1230		Sandblasting	8 hrs	Mon 08/05/23 16:00	Tue 09/05/23 00:00	1229	Corrocoat
1231		Replace Gland Seals	4 hrs	Tue 09/05/23 07:00	Tue 09/05/23 11:00	1230	G Kapenda,O Keamogetswe
1232		Apply glasscoating on damaged areas	20 hrs	Tue 09/05/23 11:00	Wed 10/05/23 07:00	1231	Corrocoat
1233		Curing time	48 hrs	Wed 10/05/23 07:00	Fri 12/05/23 07:00	1232	
1234		Remove Scaffold	4 hrs	Fri 12/05/23 07:00	Fri 12/05/23 11:00	1233	G Moeseraela,T Moloi,K Gabantogele
1235		Remove decontamination controls	6 hrs	Fri 12/05/23 11:00	Fri 12/05/23 17:30	1234	Nicholas
1236		Box Up Manholes	2 hrs	Fri 12/05/23 17:30	Sat 13/05/23 08:30	1235	M-Crane 7Ton,G Moeseraela,T Moloi,K
1237		Swing Blinds	0 hrs	Sat 13/05/23 08:30	Sat 13/05/23 08:30	1236	G Kapenda,O Keamogetswe
1238		Sign Off Work And Vessel Entry Permits	0 hrs	Sat 13/05/23 08:30	Sat 13/05/23 08:30	1237	G Kapenda,O Keamogetswe
1239	**27B2GA04A**	**PRE-CARBONATOR FEED PUMP A - Wet end inspection**	**17 hrs**	**Sat 13/05/23 10:00**	**Sun 14/05/23 17:00**	**1599**	
1240		Make Out Permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15		Operations
1241		Accept Permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	1240	G Moeseraela,T Moloi,G Kapenda,O Ke
1242		Loosen Bolts	1.5 hrs	Sat 13/05/23 10:30	Sat 13/05/23 12:00	1241	G Kapenda,O Keamogetswe
1243		Remove coupling guard	0.5 hrs	Sat 13/05/23 12:30	Sat 13/05/23 13:00	1242	G Kapenda,O Keamogetswe
1244		Uncouple pump	1 hr	Sat 13/05/23 13:00	Sat 13/05/23 14:00	1243	G Kapenda,O Keamogetswe
1245		Loosen top casing bolts	1.5 hrs	Sat 13/05/23 14:00	Sat 13/05/23 15:30	1244	G Kapenda,O Keamogetswe
1246		Rig out top casing	1 hr	Sat 13/05/23 15:30	Sat 13/05/23 16:30	1245	M-Crane 7Ton,G Moeseraela,T Moloi,G
1247		Inspect impeller condition	0.5 hrs	Sat 13/05/23 16:30	Sat 13/05/23 17:00	1246	G Kapenda,O Keamogetswe
1248		Overhaul pump	6 hrs	Sat 13/05/23 17:00	Sun 14/05/23 12:00	1247	G Kapenda,O Keamogetswe
1249		Rig in top casing	0.5 hrs	Sun 14/05/23 12:30	Sun 14/05/23 13:00	1248	M-Crane 7Ton,G Moeseraela,T Moloi,G
1250		Tighten casing bolts	1 hr	Sun 14/05/23 13:00	Sun 14/05/23 14:00	1249	G Kapenda,O Keamogetswe
1251		Carry out rough alignment	0.5 hrs	Sun 14/05/23 14:00	Sun 14/05/23 14:30	1250	G Kapenda,O Keamogetswe
1252		Couple pump and motor	0.5 hrs	Sun 14/05/23 14:30	Sun 14/05/23 15:00	1251	G Kapenda,O Keamogetswe
1253		Carry out laser alignment	1 hr	Sun 14/05/23 15:00	Sun 14/05/23 16:00	1252	Reliability
1254		Replace coupling guard	0.5 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:30	1253	G Kapenda,O Keamogetswe
1255		Housekeeping	0.25 hrs	Sun 14/05/23 16:30	Sun 14/05/23 16:45	1254	G Kapenda,O Keamogetswe
1256		Clear Permit	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	1255	Operations,G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1257	**27B2GA04B**	**PRE-CARBONATOR FEED PUMP B - Wet end inspection**	**17 hrs**	**Sun 14/05/23 17:00**	**Tue 16/05/23 13:00**	**1239**	
1258		Make Out Permit	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15		Operations
1259		Accept Permit	0.25 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:30	1258	G Moeseraela,T Moloi,G Kapenda,O Ke
1260		Loosen Bolts	1.5 hrs	Sun 14/05/23 17:30	Mon 15/05/23 08:00	1259	G Kapenda,O Keamogetswe
1261		Remove coupling guard	0.5 hrs	Mon 15/05/23 08:00	Mon 15/05/23 08:30	1260	G Kapenda,O Keamogetswe
1262		Uncouple pump	1 hr	Mon 15/05/23 08:30	Mon 15/05/23 09:30	1261	G Kapenda,O Keamogetswe
1263		Loosen top casing bolts	1.5 hrs	Mon 15/05/23 09:30	Mon 15/05/23 11:00	1262	G Kapenda,O Keamogetswe
1264		Rig out top casing	1 hr	Mon 15/05/23 11:00	Mon 15/05/23 12:00	1263	M-Crane 7Ton,G Moeseraela,T Moloi,G
1265		Inspect impeller condition	0.5 hrs	Mon 15/05/23 12:30	Mon 15/05/23 13:00	1264	G Kapenda,O Keamogetswe
1266		Overhaul pump	6 hrs	Mon 15/05/23 13:00	Tue 16/05/23 08:00	1265	G Kapenda,O Keamogetswe
1267		Rig in top casing	0.5 hrs	Tue 16/05/23 08:00	Tue 16/05/23 08:30	1266	M-Crane 7Ton,G Moeseraela,T Moloi,G
1268		Tighten casing bolts	1 hr	Tue 16/05/23 08:30	Tue 16/05/23 09:30	1267	G Kapenda,O Keamogetswe
1269		Carry out rough alignment	0.5 hrs	Tue 16/05/23 09:30	Tue 16/05/23 10:00	1268	G Kapenda,O Keamogetswe
1270		Couple pump and motor	0.5 hrs	Tue 16/05/23 10:00	Tue 16/05/23 10:30	1269	G Kapenda,O Keamogetswe
1271		Carry out laser alignment	1 hr	Tue 16/05/23 10:30	Tue 16/05/23 11:30	1270	Reliability
1272		Replace coupling guard	0.5 hrs	Tue 16/05/23 11:30	Tue 16/05/23 12:00	1271	G Kapenda,O Keamogetswe
1273		Housekeeping	0.25 hrs	Tue 16/05/23 12:30	Tue 16/05/23 12:45	1272	G Kapenda,O Keamogetswe
1274		Clear Permit	0.25 hrs	Tue 16/05/23 12:45	Tue 16/05/23 13:00	1273	Operations,G Kapenda,O Keamogetswe
1275	**27B2GA04A**	**PRE-CARBONATOR FEED PUMP A - Replace suction valve**	**10.75 hrs**	**Sun 14/05/23 17:00**	**Mon 15/05/23 17:15**	**1239**	
1276		Issue Permit To Work	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15		Operations
1277		Accept permit	0.25 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:30	1276	G Kapenda,O Keamogetswe
1278		Carry out risk assesment	0.25 hrs	Sun 14/05/23 17:30	Sun 14/05/23 17:45	1277	G Kapenda,O Keamogetswe
1279		Undo suction valve bolts	1 hr	Sun 14/05/23 17:45	Mon 15/05/23 07:45	1278	G Kapenda,O Keamogetswe
1280		Rig out Butterfly valve	1 hr	Mon 15/05/23 07:45	Mon 15/05/23 08:45	1279	G Kapenda,O Keamogetswe
1281		Clean flanges	0.5 hrs	Mon 15/05/23 08:45	Mon 15/05/23 09:15	1280	G Kapenda,O Keamogetswe
1282		Modify suction spool piece	4.5 hrs	Mon 15/05/23 09:15	Mon 15/05/23 14:15	1281	G Kapenda,O Keamogetswe
1283		Install Knife Gate valve	2 hrs	Mon 15/05/23 14:15	Mon 15/05/23 16:15	1282	G Kapenda,O Keamogetswe
1284		Tighten bolts	0.5 hrs	Mon 15/05/23 16:15	Mon 15/05/23 16:45	1283	G Kapenda,O Keamogetswe
1285		Carry out housekeeping	0.25 hrs	Mon 15/05/23 16:45	Mon 15/05/23 17:00	1284	G Kapenda,O Keamogetswe
1286		Clear permit	0.25 hrs	Mon 15/05/23 17:00	Mon 15/05/23 17:15	1285	G Kapenda,O Keamogetswe
1287	**27B2GA04A**	**PRE-CARBONATOR FEED PUMP B - Replace suction valve**	**10.75 hrs**	**Mon 15/05/23 17:15**	**Tue 16/05/23 17:30**	**1275**	
1288		Issue Permit To Work	0.25 hrs	Mon 15/05/23 17:15	Mon 15/05/23 17:30		Operations
1289		Accept permit	0.25 hrs	Mon 15/05/23 17:30	Mon 15/05/23 17:45	1288	G Kapenda,O Keamogetswe
1290		Carry out risk assesment	0.25 hrs	Mon 15/05/23 17:45	Mon 15/05/23 18:00	1289	G Kapenda,O Keamogetswe
1291		Undo suction valve bolts	1 hr	Tue 16/05/23 07:00	Tue 16/05/23 08:00	1290	G Kapenda,O Keamogetswe
1292		Rig out Butterfly valve	1 hr	Tue 16/05/23 08:00	Tue 16/05/23 09:00	1291	G Kapenda,O Keamogetswe
1293		Clean flanges	0.5 hrs	Tue 16/05/23 09:00	Tue 16/05/23 09:30	1292	G Kapenda,O Keamogetswe
1294		Modify suction spool piece	4.5 hrs	Tue 16/05/23 09:30	Tue 16/05/23 14:30	1293	G Kapenda,O Keamogetswe
1295		Install Knife Gate valve	2 hrs	Tue 16/05/23 14:30	Tue 16/05/23 16:30	1294	G Kapenda,O Keamogetswe
1296		Tighten bolts	0.5 hrs	Tue 16/05/23 16:30	Tue 16/05/23 17:00	1295	G Kapenda,O Keamogetswe
1297		Carry out housekeeping	0.25 hrs	Tue 16/05/23 17:00	Tue 16/05/23 17:15	1296	G Kapenda,O Keamogetswe
1298		Clear permit	0.25 hrs	Tue 16/05/23 17:15	Tue 16/05/23 17:30	1297	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1299	**27B6P011**	**T-BRINE LINE TO TRIM HEATER - Replace Spool Pieces 2 off**	**9.5 hrs**	**Fri 12/05/23 13:45**	**Sat 13/05/23 12:45**	**880**	
1300		Fabricate spools prior	0 hrs	Fri 12/05/23 13:45	Fri 12/05/23 13:45		
1301		Issue Permit To Work	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	1300	Operations
1302		Accept permit	0.25 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:15	1301	G Kapenda,O Keamogetswe
1303		Carry out risk assesment	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30	1302	G Kapenda,O Keamogetswe
1304		Loosen spool pieces	1.5 hrs	Fri 12/05/23 14:30	Fri 12/05/23 16:00	1303	G Kapenda,O Keamogetswe
1305		Disconnect contro valve airlines	0.5 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:30	1304	O Jacob,K Dijeng
1306		Rig out spool pieces and valve	1 hr	Fri 12/05/23 16:30	Fri 12/05/23 17:30	1305	G Kapenda,O Keamogetswe
1307		Strip valve from old spool pieces	1 hr	Fri 12/05/23 17:30	Sat 13/05/23 07:30	1306	G Kapenda,O Keamogetswe
1308		Install on new spool pieces	1 hr	Sat 13/05/23 07:30	Sat 13/05/23 08:30	1307	G Kapenda,O Keamogetswe
1309		Install new spool piece and valve	2 hrs	Sat 13/05/23 08:30	Sat 13/05/23 10:30	1308	G Kapenda,O Keamogetswe
1310		Install column to support the discharge pipe	1 hr	Sat 13/05/23 10:30	Sat 13/05/23 11:30	1309	G Kapenda,O Keamogetswe
1311		Reconnect contro valve airlines	0.5 hrs	Sat 13/05/23 11:30	Sat 13/05/23 12:00	1310	O Jacob,K Dijeng
1312		Carry out housekeeping	0.25 hrs	Sat 13/05/23 12:30	Sat 13/05/23 12:45	1311	G Kapenda,O Keamogetswe
1313		Clear permit	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00		G Kapenda,O Keamogetswe
1314	**27B6P011**	**T-BRINE LINE TO TRIM HEATER - Replace pipe 400NB**	**34.5 hrs**	**Sat 13/05/23 12:45**	**Tue 16/05/23 15:45**	**1299**	
1315		Fabricate pipe prior	0 hrs	Sat 13/05/23 12:45	Sat 13/05/23 12:45		
1316		Erect scaffolding prior	0 hrs	Sat 13/05/23 12:45	Sat 13/05/23 12:45	1315	G Moeseraela,T Moloi
1317		Make out permit	0.25 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:00	1316	Operations
1318		Accept permit	0.25 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:15	1317	M Ramatlhakeng,S Monna,G Kapenda,(
1319		Carry out risk assesment	0.25 hrs	Sat 13/05/23 13:15	Sat 13/05/23 13:30	1318	M Ramatlhakeng,S Monna,G Kapenda,(
1320		Loosen pipe to be replaced	6 hrs	Sat 13/05/23 13:30	Sun 14/05/23 08:30	1319	G Kapenda,O Keamogetswe
1321		Rig out pipe	2 hrs	Sun 14/05/23 08:30	Sun 14/05/23 10:30	1320	M Ramatlhakeng,S Monna,G Kapenda,(
1322		Cut flanges from old pipe	2 hrs	Sun 14/05/23 10:30	Sun 14/05/23 13:00	1321	M Ramatlhakeng,S Monna
1323		Machine flanges	8 hrs	Sun 14/05/23 13:00	Mon 15/05/23 10:00	1322	Machinist
1324		Install on new pipe, align and weld	8 hrs	Mon 15/05/23 10:00	Tue 16/05/23 07:30	1323	M Ramatlhakeng,S Monna,P Dara
1325		Install fabricated pipe	3 hrs	Tue 16/05/23 07:30	Tue 16/05/23 10:30	1324	G Kapenda,O Keamogetswe
1326		Align flanges and tighten bolts	4 hrs	Tue 16/05/23 10:30	Tue 16/05/23 15:00	1325	G Kapenda,O Keamogetswe
1327		Carry out housekeeping	0.25 hrs	Tue 16/05/23 15:00	Tue 16/05/23 15:15	1326	M Ramatlhakeng,S Monna,G Kapenda,(
1328		Sign off the permit	0.25 hrs	Tue 16/05/23 15:15	Tue 16/05/23 15:30	1327	M Ramatlhakeng,S Monna,G Kapenda,(
1329		Clear permit	0.25 hrs	Tue 16/05/23 15:30	Tue 16/05/23 15:45	1328	G Kapenda,O Keamogetswe
1330	**53C2GA06**	**TRIM HEATER CONDENSATE PUMP - Modify piping**	**26.5 hrs**	**Tue 16/05/23 15:45**	**Fri 19/05/23 10:15**	**1314**	
1331		Make Out Permit	0.25 hrs	Tue 16/05/23 15:45	Tue 16/05/23 16:00		Operations
1332		Accept Permit	0.25 hrs	Tue 16/05/23 16:00	Tue 16/05/23 16:15	1331	G Kapenda,O Keamogetswe
1333		Carry out risk asssessment	0.25 hrs	Tue 16/05/23 16:15	Tue 16/05/23 16:30	1332	G Kapenda,O Keamogetswe,G Moesera
1334		Undo suction and discharge pipe bolts	1 hr	Tue 16/05/23 16:30	Tue 16/05/23 17:30	1333	G Kapenda,O Keamogetswe
1335		Rig out suction pipe	1 hr	Tue 16/05/23 17:30	Wed 17/05/23 07:30	1334	M_Crane20T,G Moeseraela,K Gabantog
1336		Rig out discharge pipe	1 hr	Wed 17/05/23 07:30	Wed 17/05/23 08:30	1335	M_Crane20T,G Moeseraela,K Gabantog
1337		Modify suction pipe to accomodate bellow	6 hrs	Wed 17/05/23 08:30	Wed 17/05/23 15:00	1336	M Ramatlhakeng,S Monna,P Dara
1338		Modify discharge pipe to accomodate bellow	6 hrs	Wed 17/05/23 15:00	Thu 18/05/23 10:00	1337	M Ramatlhakeng,S Monna,P Dara
1339		Install suction and discharge bellows	3 hrs	Thu 18/05/23 10:00	Thu 18/05/23 13:30	1338	G Kapenda,O Keamogetswe,M Ramatlh
1340		Rig in suction pipe	2 hrs	Thu 18/05/23 13:30	Thu 18/05/23 15:30	1339	M_Crane20T,G Moeseraela,K Gabantog

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1341		Rig in diascharge pipe	2 hrs	Thu 18/05/23 15:30	Thu 18/05/23 17:30	1340	M_Crane20T,G Moeseraela,K Gabantog
1342		Align the pipes and bolt up	2 hrs	Thu 18/05/23 17:30	Fri 19/05/23 08:30	1341	G Kapenda,O Keamogetswe
1343		Tighten flange bolts	1 hr	Fri 19/05/23 08:30	Fri 19/05/23 09:30	1342	G Kapenda,O Keamogetswe
1344		Housekeeping	0.5 hrs	Fri 19/05/23 09:30	Fri 19/05/23 10:00	1343	Civils,G Kapenda,O Keamogetswe
1345		Clear permit	0.25 hrs	Fri 19/05/23 10:00	Fri 19/05/23 10:15	1344	Civils
1346	**27A2FH01**	**SEAL POT - Internal corrosion protection**	**73.75 hrs**	**Fri 05/05/23 10:00**	**Fri 12/05/23 10:15**	**895**	
1347		Open, drain and clean tank internally prior	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		
1348		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	1347	Operations
1349		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1348	G Kapenda,O Keamogetswe
1350		Open inspection cover for cleaning	4 hrs	Fri 05/05/23 10:30	Fri 05/05/23 15:00	1349	G Kapenda,O Keamogetswe
1351		Carry out decontamination protocol	6 hrs	Fri 05/05/23 15:00	Sat 06/05/23 10:00	1350	Nicholas
1352		Clean tank internally	6 hrs	Sat 06/05/23 10:00	Sat 06/05/23 16:00	1351	Operations
1353		Erect scaffolding	4 hrs	Sat 06/05/23 16:00	Sat 06/05/23 20:00	1352	RSC Scaffolding
1354		Sandblast	14 hrs	Sun 07/05/23 07:00	Mon 08/05/23 10:30	1353	Contractor
1355		Decontaminate	4 hrs	Mon 08/05/23 10:30	Mon 08/05/23 15:00	1354	Contractor
1356		Paint tank	24 hrs	Mon 08/05/23 15:00	Wed 10/05/23 18:00	1355	Contractor
1357		Curing time	12 hrs	Wed 10/05/23 18:00	Thu 11/05/23 06:00	1356	
1358		Dismantle scaffolding	4 hrs	Thu 11/05/23 06:00	Thu 11/05/23 10:00	1357	RSC Scaffolding
1359		Housekeeping	0.5 hrs	Thu 11/05/23 10:00	Thu 11/05/23 10:30	1358	Contractor
1360		Remove decontamination controls	6 hrs	Thu 11/05/23 10:30	Thu 11/05/23 17:00	1359	Nicholas
1361		Close inspection cover	4 hrs	Thu 11/05/23 17:00	Fri 12/05/23 10:00	1360	Nicholas
1362		Clear Permit	0.25 hrs	Fri 12/05/23 10:00	Fri 12/05/23 10:15	1361	G Kapenda,O Keamogetswe
1363	**27A2FH01**	**SEAL POT - Replace carbon steel pipe with stainless steel**	**35.5 hrs**	**Mon 08/05/23 10:30**	**Thu 11/05/23 15:00**	**1354**	
1364		Issue permit	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45		Operations
1365		Accept permit	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00	1364	M Ramatlhakeng,S Monna
1366		Carry out risk assement	0.25 hrs	Mon 08/05/23 11:00	Mon 08/05/23 11:15	1365	M Ramatlhakeng,S Monna
1367		Cut bolts	4 hrs	Mon 08/05/23 11:15	Mon 08/05/23 15:45	1366	M Ramatlhakeng,S Monna
1368		Rig out carbon steel pipes	6 hrs	Mon 08/05/23 15:45	Tue 09/05/23 10:45	1367	M Ramatlhakeng,S Monna
1369		Rig in stainless steel pipes	10 hrs	Tue 09/05/23 10:45	Wed 10/05/23 10:15	1368	G Moeseraela,T Moloi
1370		Align flanges insert gaskets and insert bolts	12 hrs	Wed 10/05/23 10:15	Thu 11/05/23 11:45	1369	G Moeseraela,T Moloi,M Ramatlhakeng
1371		Decontamination process	2 hrs	Thu 11/05/23 11:45	Thu 11/05/23 13:45	1370	Operations
1372		Housekeeping	1 hr	Thu 11/05/23 13:45	Thu 11/05/23 14:45	1371	M Ramatlhakeng,S Monna
1373		Clear permit	0.25 hrs	Thu 11/05/23 14:45	Thu 11/05/23 15:00	1372	M Ramatlhakeng,S Monna
1374	**27A2DF01**	**PRE CARBONATOR - Carry Out Spark Test And Repair**	**143.25 hrs**	**Fri 05/05/23 12:45**	**Fri 19/05/23 08:30**	**863**	
1375		Make Out Permit	0.25 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:00		Operations
1376		Accept Permit	0.25 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:15	1375	G Kapenda,O Keamogetswe
1377		Before Washing Swing All Blinds	3 hrs	Fri 05/05/23 13:15	Fri 05/05/23 16:15	1376	G Kapenda,O Keamogetswe
1378		Open Manholes	2 hrs	Fri 05/05/23 16:15	Sat 06/05/23 07:15	1377	M-Crane 7Ton,G Moeseraela,T Moloi,K
1379		Carry out decontamination protocol	6 hrs	Sat 06/05/23 07:15	Sat 06/05/23 13:45	1378	Nicholas
1380		Complete Gas Test Procedure	1 hr	Sat 06/05/23 13:45	Sat 06/05/23 14:45	1379	Lab
1381		Disconnect Seal Leg And Check For Blockage	1 hr	Sat 06/05/23 14:45	Sat 06/05/23 15:45	1380	G Kapenda,O Keamogetswe
1382		Clean & Dry Floor	0 hrs	Sat 06/05/23 15:45	Sat 06/05/23 15:45	1381	Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1383		Erect 10 Meters High Scaffold	8 hrs	Sat 06/05/23 15:45	Sat 06/05/23 23:45	1382	RSC Scaffolding
1384		Inspect & Spark Test	5 hrs	Sun 14/05/23 12:30	Sun 14/05/23 17:30	1383,1552	Corrocoat
1385		Sandblasting	8 hrs	Sun 14/05/23 17:30	Mon 15/05/23 01:30	1384	Corrocoat
1386		Replace Gland Seals	4 hrs	Mon 15/05/23 07:00	Mon 15/05/23 11:00	1385	G Kapenda,O Keamogetswe
1387		Apply glasscoating on damaged areas	20 hrs	Mon 15/05/23 11:00	Tue 16/05/23 07:00	1386	Corrocoat
1388		Curing time	48 hrs	Tue 16/05/23 07:00	Thu 18/05/23 07:00	1387	
1389		Remove Scaffold	4 hrs	Thu 18/05/23 07:00	Thu 18/05/23 11:00	1388	RSC Scaffolding
1390		Remove decontamination controls	6 hrs	Thu 18/05/23 11:00	Thu 18/05/23 17:30	1389	Nicholas
1391		Box Up Manholes	2 hrs	Thu 18/05/23 17:30	Fri 19/05/23 08:30	1390	M-Crane 7Ton,G Moeseraela,T Moloi,K
1392		Swing Blinds	0 hrs	Fri 19/05/23 08:30	Fri 19/05/23 08:30	1391	G Kapenda,O Keamogetswe
1393		Sign Off Work And Vessel Entry Permits	0 hrs	Fri 19/05/23 08:30	Fri 19/05/23 08:30	1392	G Kapenda,O Keamogetswe
1394	**27A2GK01**	**PRE CARBONATOR GEARBOX AGITATOR - Carry Out Inspection**	**11.25 hrs**	**Fri 05/05/23 10:00**	**Sat 06/05/23 10:45**		
1395		Lift Oil Drum (Prior)	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		M-Crane 30Ton,G Moeseraela,T Moloi,
1396		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	1395	Operations
1397		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1396	G Kapenda,O Keamogetswe
1398		Open Covers	1.5 hrs	Fri 05/05/23 10:30	Fri 05/05/23 12:00	1397	G Kapenda,O Keamogetswe
1399		Inspect gears and seal	2.5 hrs	Fri 05/05/23 12:30	Fri 05/05/23 15:00	1398	G Kapenda,O Keamogetswe
1400		Inspect couplings both for gearbox to the motor and gearbox to the shaft	2.5 hrs	Fri 05/05/23 15:00	Fri 05/05/23 17:30	1399	G Kapenda,O Keamogetswe
1401		Drain, Flush And Refill Oil (Oil Gen Gear 460)	4 hrs	Fri 05/05/23 17:30	Sat 06/05/23 10:30	1400	G Kapenda,O Keamogetswe
1402		Clear Permit	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45	1401	G Kapenda,O Keamogetswe
1403	**27A2DF01**	**PRE CARBONATOR - Steady Rest Inspection**	**20.5 hrs**	**Sat 06/05/23 10:45**	**Mon 08/05/23 10:15**	**1374SS,13**	
1404		Make Out Permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00		Operations
1405		Accept Permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	1404	G Kapenda,O Keamogetswe
1406		Open Manholes and swing blinds	2 hrs	Sat 06/05/23 11:15	Sat 06/05/23 13:45	1405	G Kapenda,O Keamogetswe,G Moesera
1407		Complete Gas Analysis Test	0.5 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:15	1406	Lab
1408		Accept Vessel Entry Permit	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	1407	G Kapenda,O Keamogetswe
1409		Inspect	0.5 hrs	Sat 06/05/23 14:30	Sat 06/05/23 15:00	1408	Engineer,Operations
1410		Inspect Steady Bearings & Replace If Clearances Too Big (10Mm Max)	0.5 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:30	1409	G Kapenda,O Keamogetswe,M Ramatlh
1411		Remove Pedestal Bolts & Disconnect Waterline	1 hr	Sat 06/05/23 15:30	Sat 06/05/23 16:30	1410	G Kapenda,O Keamogetswe
1412		Support The Whole Shaft Assembly	2 hrs	Sat 06/05/23 16:30	Sun 07/05/23 07:30	1411	G Kapenda,O Keamogetswe,G Moesera
1413		Cut Off Sleeve	4 hrs	Sun 07/05/23 07:30	Sun 07/05/23 11:30	1412	M Ramatlhakeng,S Monna
1414		Install New Pedestal & Sleeve	1 hr	Sun 07/05/23 11:30	Sun 07/05/23 13:00	1413	M Ramatlhakeng,S Monna,G Moeserae
1415		Position Sleeve And Weld	4 hrs	Sun 07/05/23 13:00	Sun 07/05/23 17:00	1414	M Ramatlhakeng,S Monna
1416		Install Pedestal Bolts And Secure	0.5 hrs	Sun 07/05/23 17:00	Sun 07/05/23 17:30	1415	G Kapenda,O Keamogetswe
1417		Reconnect Water Line To Pedestal	0.5 hrs	Sun 07/05/23 17:30	Sun 07/05/23 18:00	1416	G Kapenda,O Keamogetswe
1418		Measure Clearances & Record Clearances	0.5 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:30	1417	G Kapenda,O Keamogetswe
1419		Remove Jacks	0.5 hrs	Mon 08/05/23 07:30	Mon 08/05/23 08:00	1418	G Moeseraela,T Moloi,K Gabantogele
1420		Box up	2 hrs	Mon 08/05/23 08:00	Mon 08/05/23 10:00	1419	G Kapenda,O Keamogetswe,G Moesera
1421		Clear Permits	0.25 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:15	1420	G Kapenda,O Keamogetswe
1422	**27A2DF02**	**PRIMARY CARBONATOR FEED PUMP A - Overhaul Pump**	**16.75 hrs**	**Sat 06/05/23 10:45**	**Sun 07/05/23 17:30**	**1394**	
1423		Make Out Permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00		Operations
1424		Accept Permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	1423	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1425		Loosen Bolts	1.5 hrs	Sat 06/05/23 11:15	Sat 06/05/23 13:15	1424	G Kapenda,O Keamogetswe
1426		Remove Guard	0.5 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:45	1425	G Kapenda,O Keamogetswe
1427		Remove Pump	2 hrs	Sat 06/05/23 13:45	Sat 06/05/23 15:45	1426	M-Crane 7Ton,G Moeseraela,T Moloi,K
1428		Transport Pump To Workshop	0.5 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:15	1427	M-Crane 7Ton,G Kapenda,O Keamoget
1429		Strip Out And Overhaul Pump	6 hrs	Sat 06/05/23 16:15	Sun 07/05/23 11:15	1428	Workshop fitter
1430		Transport Pump To Plant	0.5 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:45	1429	G Moeseraela,T Moloi,K Gabantogele
1431		Install And Secure Pump	2 hrs	Sun 07/05/23 11:45	Sun 07/05/23 14:15	1430	M-Crane 7Ton,G Kapenda,O Keamoget
1432		Align Pump	2 hrs	Sun 07/05/23 14:15	Sun 07/05/23 16:15	1431	Reliability,G Kapenda,O Keamogetswe
1433		Replace Guard	0.5 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:45	1432	G Kapenda,O Keamogetswe
1434		Test Run Pump	0.5 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:15	1433	Operations
1435		Clear Permit	0.25 hrs	Sun 07/05/23 17:15	Sun 07/05/23 17:30	1434	G Kapenda,O Keamogetswe
1436	**27A2DF02**	**PRIMARY CARBONATOR FEED PUMP A - Replace discharge and suction pipes from MS to SS**	**36 hrs**	**Fri 05/05/23 10:00**	**Mon 08/05/23 15:00**		
1437		Issue permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
1438		Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1437	M Ramatlhakeng,S Monna
1439		Carry out risk assement	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	1438	M Ramatlhakeng,S Monna,Tshepo Ther
1440		Cut bolts	4 hrs	Fri 05/05/23 10:45	Fri 05/05/23 15:15	1439	Tshepo Themba
1441		Rig out carbon steel pipes	10 hrs	Fri 05/05/23 15:15	Sat 06/05/23 14:45	1440	Tshepo Themba
1442		Rig in stainless steel pipes	10 hrs	Sat 06/05/23 14:45	Sun 07/05/23 14:15	1441	Tshepo Themba
1443		Align flanges insert gaskets and insert bolts	10 hrs	Sun 07/05/23 14:15	Mon 08/05/23 13:45	1442	Tshepo Themba
1444		Housekeeping	1 hr	Mon 08/05/23 13:45	Mon 08/05/23 14:45	1443	Tshepo Themba
1445		Clear permit	0.25 hrs	Mon 08/05/23 14:45	Mon 08/05/23 15:00	1444	M Ramatlhakeng,S Monna
1446	**27A2DF03**	**PRIMARY CARBONATOR FEED PUMP B - Carry Out Inspection**	**11.25 hrs**	**Sun 07/05/23 17:30**	**Tue 09/05/23 07:15**	**1422**	
1447		Make Out Permit	0.25 hrs	Sun 07/05/23 17:30	Sun 07/05/23 17:45		Operations
1448		Accept Permit	0.25 hrs	Sun 07/05/23 17:45	Sun 07/05/23 18:00	1447	G Kapenda,O Keamogetswe
1449		Remove Guard	0.5 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:30	1448	G Kapenda,O Keamogetswe
1450		Inspect Coupling	1 hr	Mon 08/05/23 07:30	Mon 08/05/23 08:30	1449	G Kapenda,O Keamogetswe
1451		Check all mounting bolts	0.5 hrs	Mon 08/05/23 08:30	Mon 08/05/23 09:00	1450	G Kapenda,O Keamogetswe
1452		Check condition of the base	1 hr	Mon 08/05/23 09:00	Mon 08/05/23 10:00	1451	G Kapenda,O Keamogetswe
1453		Check all flanges both discharge & suction	0.5 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:30	1452	G Kapenda,O Keamogetswe
1454		Inspect all belows	1 hr	Mon 08/05/23 10:30	Mon 08/05/23 11:30	1453	G Kapenda,O Keamogetswe
1455		Drain& Refill Oil	1.5 hrs	Mon 08/05/23 11:30	Mon 08/05/23 13:30	1454	G Kapenda,O Keamogetswe
1456		Repack glands	1 hr	Mon 08/05/23 13:30	Mon 08/05/23 14:30	1455	G Kapenda,O Keamogetswe
1457		Carry Out or cross check Laser Alignment	3 hrs	Mon 08/05/23 14:30	Mon 08/05/23 17:30	1456	Reliability
1458		Replace Guard	0.5 hrs	Mon 08/05/23 17:30	Mon 08/05/23 18:00	1457	G Kapenda,O Keamogetswe
1459		Clear Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	1458	G Kapenda,O Keamogetswe
1460	**27A2DF03**	**PRIMARY CARBONATOR FEED PUMP B - Replace discharge and suction pipes from MS to SS**	**36 hrs**	**Mon 08/05/23 15:00**	**Fri 12/05/23 08:30**	**1436**	
1461		Issue permit	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15		Operations
1462		Accept permit	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30	1461	M Ramatlhakeng,S Monna
1463		Carry out risk assement	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	1462	M Ramatlhakeng,S Monna,Tshepo Ther
1464		Cut bolts	4 hrs	Mon 08/05/23 15:45	Tue 09/05/23 08:45	1463	Tshepo Themba

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1465		Rig out carbon steel pipes	10 hrs	Tue 09/05/23 08:45	Wed 10/05/23 08:15	1464	Tshepo Themba
1466		Rig in stainless steel pipes	10 hrs	Wed 10/05/23 08:15	Thu 11/05/23 07:45	1465	Tshepo Themba
1467		Align flanges insert gaskets and insert bolts	10 hrs	Thu 11/05/23 07:45	Fri 12/05/23 07:15	1466	Tshepo Themba
1468		Housekeeping	1 hr	Fri 12/05/23 07:15	Fri 12/05/23 08:15	1467	Tshepo Themba
1469		Clear permit	0.25 hrs	Fri 12/05/23 08:15	Fri 12/05/23 08:30	1468	M Ramatlhakeng,S Monna
1470	**27A2DF02**	**PRIMARY CARBONATOR A - Carry Out Spark Test And Repair**	**65 hrs**	**Fri 05/05/23 10:00**	**Thu 11/05/23 12:00**		
1471		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
1472		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1471	G Kapenda,O Keamogetswe
1473		Before Washing Swing All Blinds	3 hrs	Fri 05/05/23 10:30	Fri 05/05/23 14:00	1472	G Kapenda,O Keamogetswe
1474		Open Manholes	2 hrs	Fri 05/05/23 14:00	Fri 05/05/23 16:00	1473	M-Crane 7Ton,G Moeseraela,T Moloi,K
1475		Carry out decontamination protocol	6 hrs	Fri 05/05/23 16:00	Sat 06/05/23 11:00	1474	Nicholas
1476		Complete Gas Test Procedure	1 hr	Sat 06/05/23 11:00	Sat 06/05/23 12:00	1475	Lab
1477		Disconnect Seal Leg And Check For Blockage	1 hr	Sat 06/05/23 12:30	Sat 06/05/23 13:30	1476	G Kapenda,O Keamogetswe
1478		Clean & Dry Floor	0 hrs	Sat 06/05/23 13:30	Sat 06/05/23 13:30	1477	Operations
1479		Erect 10 Meters High Scaffold	8 hrs	Sat 06/05/23 13:30	Sat 06/05/23 21:30	1478	RSC Scaffolding
1480		Inspect & Spark Test	5 hrs	Sat 06/05/23 21:30	Sun 07/05/23 02:30	1479,1618	Corrocoat
1481		Sandblasting	8 hrs	Sun 07/05/23 02:30	Sun 07/05/23 10:30	1480	Corrocoat
1482		Replace Gland Seals	4 hrs	Sun 07/05/23 10:30	Sun 07/05/23 15:00	1481	G Kapenda,O Keamogetswe
1483		Apply glasscoating on damaged areas	20 hrs	Sun 07/05/23 15:00	Mon 08/05/23 11:00	1482	Corrocoat
1484		Curing time	48 hrs	Mon 08/05/23 11:00	Wed 10/05/23 11:00	1483	
1485		Remove Scaffold	4 hrs	Wed 10/05/23 11:00	Wed 10/05/23 15:00	1484	RSC Scaffolding
1486		Remove decontamination controls	6 hrs	Wed 10/05/23 15:00	Thu 11/05/23 10:00	1485	Nicholas
1487		Box Up Manholes	2 hrs	Thu 11/05/23 10:00	Thu 11/05/23 12:00	1486	M-Crane 7Ton,G Moeseraela,T Moloi,K
1488		Swing Blinds	0 hrs	Thu 11/05/23 12:00	Thu 11/05/23 12:00	1487	G Kapenda,O Keamogetswe
1489		Sign Off Work And Vessel Entry Permits	0 hrs	Thu 11/05/23 12:00	Thu 11/05/23 12:00	1488	G Kapenda,O Keamogetswe
1490	**27A2DF02**	**PRIMARY CARBONATOR A - Modify Pipe for Cooling Water Lines to fit isolation Valve**	**8.5 hrs**	**Fri 12/05/23 08:30**	**Fri 12/05/23 17:30**	**1460**	
1491		Order flanges prior	0 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:30		
1492		Make Out Permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45	1491	Operations
1493		Accept Permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	1492	M Ramatlhakeng,S Monna
1494		cut pipe section to accommodate valve	1.5 hrs	Fri 12/05/23 09:00	Fri 12/05/23 10:30	1493	M Ramatlhakeng,S Monna
1495		Install flanges 2"	2 hrs	Fri 12/05/23 10:30	Fri 12/05/23 13:00	1494	M Ramatlhakeng,S Monna
1496		tac and weld flanges	3 hrs	Fri 12/05/23 13:00	Fri 12/05/23 16:00	1495	M Ramatlhakeng,S Monna
1497		Install new valve 2"	1 hr	Fri 12/05/23 16:00	Fri 12/05/23 17:00	1496	M Ramatlhakeng,S Monna
1498		House keeping	0.25 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:15	1497	M Ramatlhakeng,S Monna
1499		Clear permit	0.25 hrs	Fri 12/05/23 17:15	Fri 12/05/23 17:30	1498	M Ramatlhakeng,S Monna
1500	**27A2DF02**	**PRIMARY CARBONATOR A - Steady Rest Inspection**	**20.5 hrs**	**Mon 08/05/23 10:15**	**Wed 10/05/23 09:45**	**1403**	
1501		Make Out Permit	0.25 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:30		Operations
1502		Accept Permit	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45	1501	G Kapenda,O Keamogetswe
1503		Open Manholes and swing blinds	2 hrs	Mon 08/05/23 10:45	Mon 08/05/23 13:15	1502	G Kapenda,O Keamogetswe,G Moesera
1504		Complete Gas Analysis Test	0.5 hrs	Mon 08/05/23 13:15	Mon 08/05/23 13:45	1503	Lab
1505		Accept Vessel Entry Permit	0.25 hrs	Mon 08/05/23 13:45	Mon 08/05/23 14:00	1504	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1506		Inspect	0.5 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:30	1505	Engineer,Operations
1507		Inspect Steady Bearings & Replace If Clearances Too Big (10Mm Max)	0.5 hrs	Mon 08/05/23 14:30	Mon 08/05/23 15:00	1506	G Kapenda,O Keamogetswe,M Ramatlh
1508		Remove Pedestal Bolts & Disconnect Waterline	1 hr	Mon 08/05/23 15:00	Mon 08/05/23 16:00	1507	G Kapenda,O Keamogetswe
1509		Support The Whole Shaft Assembly	2 hrs	Mon 08/05/23 16:00	Mon 08/05/23 18:00	1508	G Kapenda,O Keamogetswe,G Moesera
1510		Cut Off Sleeve	4 hrs	Tue 09/05/23 07:00	Tue 09/05/23 11:00	1509	M Ramatlhakeng,S Monna
1511		Install New Pedestal & Sleeve	1 hr	Tue 09/05/23 11:00	Tue 09/05/23 12:00	1510	M Ramatlhakeng,S Monna,G Moeserae
1512		Position Sleeve And Weld	4 hrs	Tue 09/05/23 12:30	Tue 09/05/23 16:30	1511	M Ramatlhakeng,S Monna
1513		Install Pedestal Bolts And Secure	0.5 hrs	Tue 09/05/23 16:30	Tue 09/05/23 17:00	1512	G Kapenda,O Keamogetswe
1514		Reconnect Water Line To Pedestal	0.5 hrs	Tue 09/05/23 17:00	Tue 09/05/23 17:30	1513	G Kapenda,O Keamogetswe
1515		Measure Clearances & Record Clearances	0.5 hrs	Tue 09/05/23 17:30	Tue 09/05/23 18:00	1514	G Kapenda,O Keamogetswe
1516		Remove Jacks	0.5 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:30	1515	G Moeseraela,T Moloi,K Gabantogele
1517		Box up	2 hrs	Wed 10/05/23 07:30	Wed 10/05/23 09:30	1516	G Kapenda,O Keamogetswe,G Moesera
1518		Clear Permits	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45	1517	G Kapenda,O Keamogetswe
1519	**27A2GK02**	**PRIMARY CARBONATOR A GEARBOX AGITATOR - Carry Out Inspection**	**11.25 hrs**	**Wed 10/05/23 09:45**	**Thu 11/05/23 10:30**	**1500**	
1520		Lift Oil Drum (Prior)	0 hrs	Wed 10/05/23 09:45	Wed 10/05/23 09:45		M-Crane 30Ton,G Moeseraela,T Moloi,
1521		Make Out Permit	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00	1520	Operations
1522		Accept Permit	0.25 hrs	Wed 10/05/23 10:00	Wed 10/05/23 10:15	1521	G Kapenda,O Keamogetswe
1523		Open Covers	1.5 hrs	Wed 10/05/23 10:15	Wed 10/05/23 11:45	1522	G Kapenda,O Keamogetswe
1524		Inspect gears and seal	2.5 hrs	Wed 10/05/23 11:45	Wed 10/05/23 14:45	1523	G Kapenda,O Keamogetswe
1525		Inspect couplings both for gearbox to the motor and gearbox to the shaft	2.5 hrs	Wed 10/05/23 14:45	Wed 10/05/23 17:15	1524	G Kapenda,O Keamogetswe
1526		Drain, Flush And Refill Oil (Oil Gen Gear 460)	4 hrs	Wed 10/05/23 17:15	Thu 11/05/23 10:15	1525	G Kapenda,O Keamogetswe
1527		Clear Permit	0.25 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:30	1526	G Kapenda,O Keamogetswe
1528	**27A2DF02**	**PRIMARY CARBONATOR A - Modify Oil Catch Tray**	**9.5 hrs**	**Fri 12/05/23 17:30**	**Sat 13/05/23 16:30**	**1490**	
1529		Make Out Permit	0.25 hrs	Fri 12/05/23 17:30	Fri 12/05/23 17:45		M Ramatlhakeng,S Monna
1530		Accept Permit	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00	1529	M Ramatlhakeng,S Monna
1531		Carry out risk assessment	0.25 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:15	1530	M Ramatlhakeng,S Monna,G Kapenda,(
1532		Undo oil tray bolts	1 hr	Sat 13/05/23 07:15	Sat 13/05/23 08:15	1531	M Ramatlhakeng,S Monna,G Kapenda,(
1533		Rig out oil tray	1 hr	Sat 13/05/23 08:15	Sat 13/05/23 09:15	1532	M Ramatlhakeng,S Monna,M_Crane35
1534		Modify oil tray	4 hrs	Sat 13/05/23 09:15	Sat 13/05/23 13:45	1533	M Ramatlhakeng,S Monna
1535		Rig in oil tray	1 hr	Sat 13/05/23 13:45	Sat 13/05/23 14:45	1534	M Ramatlhakeng,S Monna,M_Crane35
1536		Secure and bolt up	1 hr	Sat 13/05/23 14:45	Sat 13/05/23 15:45	1535	M Ramatlhakeng,S Monna,G Kapenda,(
1537		House keeping	0.5 hrs	Sat 13/05/23 15:45	Sat 13/05/23 16:15	1536	M Ramatlhakeng,S Monna,G Kapenda,(
1538		Clear Permit	0.25 hrs	Sat 13/05/23 16:15	Sat 13/05/23 16:30	1537	M Ramatlhakeng,S Monna
1539	**27A2DF03**	**PRIMARY CARBONATOR B - Carry Out Spark Test And Repair**	**64.5 hrs**	**Thu 11/05/23 12:00**	**Wed 17/05/23 14:00**	**1608**	
1540		Make Out Permit	0.25 hrs	Thu 11/05/23 12:00	Thu 11/05/23 12:15		Operations
1541		Accept Permit	0.25 hrs	Thu 11/05/23 12:30	Thu 11/05/23 12:45	1540	G Kapenda,O Keamogetswe
1542		Before Washing Swing All Blinds	3 hrs	Thu 11/05/23 12:45	Thu 11/05/23 15:45	1541	G Kapenda,O Keamogetswe
1543		Open Manholes	2 hrs	Thu 11/05/23 15:45	Thu 11/05/23 17:45	1542	M-Crane 7Ton,G Moeseraela,T Moloi,K
1544		Carry out decontamination protocol	6 hrs	Thu 11/05/23 17:45	Fri 12/05/23 13:15	1543	Nicholas
1545		Complete Gas Test Procedure	1 hr	Fri 12/05/23 13:15	Fri 12/05/23 14:15	1544	Lab
1546		Disconnect Seal Leg And Check For Blockage	1 hr	Fri 12/05/23 14:15	Fri 12/05/23 15:15	1545	G Kapenda,O Keamogetswe
1547		Clean & Dry Floor	0 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:15	1546	Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1548		Erect 10 Meters High Scaffold	8 hrs	Fri 12/05/23 15:15	Fri 12/05/23 23:15	1547	RSC Scaffolding
1549		Inspect & Spark Test	5 hrs	Fri 12/05/23 23:15	Sat 13/05/23 04:15	1548,1483	Corrocoat
1550		Sandblasting	8 hrs	Sat 13/05/23 04:15	Sat 13/05/23 12:15	1549	Corrocoat
1551		Replace Gland Seals	4 hrs	Sat 13/05/23 12:30	Sat 13/05/23 16:30	1550	G Kapenda,O Keamogetswe
1552		Apply glasscoating on damaged areas	20 hrs	Sat 13/05/23 16:30	Sun 14/05/23 12:30	1551	Corrocoat
1553		Curing time	48 hrs	Sun 14/05/23 12:30	Tue 16/05/23 12:30	1552	
1554		Remove Scaffold	4 hrs	Tue 16/05/23 12:30	Tue 16/05/23 16:30	1553	RSC Scaffolding
1555		Remove decontamination controls	6 hrs	Tue 16/05/23 16:30	Wed 17/05/23 11:30	1554	Nicholas
1556		Box Up Manholes	2 hrs	Wed 17/05/23 11:30	Wed 17/05/23 14:00	1555	M-Crane 7Ton,G Moeseraela,T Moloi,K
1557		Swing Blinds	0 hrs	Wed 17/05/23 14:00	Wed 17/05/23 14:00	1556	G Kapenda,O Keamogetswe
1558		Sign Off Work And Vessel Entry Permits	0 hrs	Wed 17/05/23 14:00	Wed 17/05/23 14:00	1557	G Kapenda,O Keamogetswe
1559	**27A2DF03**	**PRIMARY CARBONATOR B - Modify Pipe for Cooling Water Lines to fit isolation Valve**	**8.5 hrs**	**Fri 12/05/23 17:30**	**Sat 13/05/23 15:30**	**1490**	
1560		Order flanges prior	0 hrs	Fri 12/05/23 17:30	Fri 12/05/23 17:30		
1561		Make Out Permit	0.25 hrs	Fri 12/05/23 17:30	Fri 12/05/23 17:45	1560	Operations
1562		Accept Permit	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00	1561	M Ramatlhakeng,S Monna
1563		cut pipe section to accommodate valve	1.5 hrs	Sat 13/05/23 07:00	Sat 13/05/23 08:30	1562	M Ramatlhakeng,S Monna
1564		Install flanges 2"	2 hrs	Sat 13/05/23 08:30	Sat 13/05/23 10:30	1563	M Ramatlhakeng,S Monna
1565		tac and weld flanges	3 hrs	Sat 13/05/23 10:30	Sat 13/05/23 14:00	1564	M Ramatlhakeng,S Monna
1566		Install new valve 2"	1 hr	Sat 13/05/23 14:00	Sat 13/05/23 15:00	1565	M Ramatlhakeng,S Monna
1567		House keeping	0.25 hrs	Sat 13/05/23 15:00	Sat 13/05/23 15:15	1566	M Ramatlhakeng,S Monna
1568		Clear permit	0.25 hrs	Sat 13/05/23 15:15	Sat 13/05/23 15:30	1567	M Ramatlhakeng,S Monna
1569	**27A2DF03**	**PRIMARY CARBONATOR B - Modify Oil Catch Tray**	**9.5 hrs**	**Sat 13/05/23 16:30**	**Sun 14/05/23 15:30**	**1528**	
1570		Make Out Permit	0.25 hrs	Sat 13/05/23 16:30	Sat 13/05/23 16:45		M Ramatlhakeng,S Monna
1571		Accept Permit	0.25 hrs	Sat 13/05/23 16:45	Sat 13/05/23 17:00	1570	M Ramatlhakeng,S Monna
1572		Carry out risk assessment	0.25 hrs	Sat 13/05/23 17:00	Sat 13/05/23 17:15	1571	S Monna,G Kapenda,O Keamogetswe,M
1573		Undo oil tray bolts	1 hr	Sat 13/05/23 17:15	Sun 14/05/23 07:15	1572	S Monna,G Kapenda,O Keamogetswe,M
1574		Rig out oil tray	1 hr	Sun 14/05/23 07:15	Sun 14/05/23 08:15	1573	M Ramatlhakeng,S Monna,M_Crane35
1575		Modify oil tray	4 hrs	Sun 14/05/23 08:15	Sun 14/05/23 12:45	1574	M Ramatlhakeng,S Monna
1576		Rig in oil tray	1 hr	Sun 14/05/23 12:45	Sun 14/05/23 13:45	1575	M Ramatlhakeng,S Monna,M_Crane35
1577		Secure and bolt up	1 hr	Sun 14/05/23 13:45	Sun 14/05/23 14:45	1576	S Monna,G Kapenda,O Keamogetswe,M
1578		House keeping	0.5 hrs	Sun 14/05/23 14:45	Sun 14/05/23 15:15	1577	S Monna,G Kapenda,O Keamogetswe,M
1579		Clear Permit	0.25 hrs	Sun 14/05/23 15:15	Sun 14/05/23 15:30	1578	M Ramatlhakeng,S Monna
1580	**27A2DF03**	**PRIMARY CARBONATOR B - Steady Rest Inspection**	**20.5 hrs**	**Wed 10/05/23 09:45**	**Fri 12/05/23 09:15**	**1500**	
1581		Make Out Permit	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00		Operations
1582		Accept Permit	0.25 hrs	Wed 10/05/23 10:00	Wed 10/05/23 10:15	1581	G Kapenda,O Keamogetswe
1583		Open Manholes and swing blinds	2 hrs	Wed 10/05/23 10:15	Wed 10/05/23 12:45	1582	G Kapenda,O Keamogetswe,G Moesera
1584		Complete Gas Analysis Test	0.5 hrs	Wed 10/05/23 12:45	Wed 10/05/23 13:15	1583	Lab
1585		Accept Vessel Entry Permit	0.25 hrs	Wed 10/05/23 13:15	Wed 10/05/23 13:30	1584	G Kapenda,O Keamogetswe
1586		Inspect	0.5 hrs	Wed 10/05/23 13:30	Wed 10/05/23 14:00	1585	Engineer,Operations
1587		Inspect Steady Bearings & Replace If Clearances Too Big (10Mm Max)	0.5 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:30	1586	G Kapenda,O Keamogetswe,M Ramatlh
1588		Remove Pedestal Bolts & Disconnect Waterline	1 hr	Wed 10/05/23 14:30	Wed 10/05/23 15:30	1587	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1589		Support The Whole Shaft Assembly	2 hrs	Wed 10/05/23 15:30	Wed 10/05/23 17:30	1588	G Kapenda,O Keamogetswe,G Moesera
1590		Cut Off Sleeve	4 hrs	Wed 10/05/23 17:30	Thu 11/05/23 10:30	1589	M Ramatlhakeng,S Monna
1591		Install New Pedestal & Sleeve	1 hr	Thu 11/05/23 10:30	Thu 11/05/23 11:30	1590	M Ramatlhakeng,S Monna,G Moeserae
1592		Position Sleeve And Weld	4 hrs	Thu 11/05/23 11:30	Thu 11/05/23 16:00	1591	M Ramatlhakeng,S Monna
1593		Install Pedestal Bolts And Secure	0.5 hrs	Thu 11/05/23 16:00	Thu 11/05/23 16:30	1592	G Kapenda,O Keamogetswe
1594		Reconnect Water Line To Pedestal	0.5 hrs	Thu 11/05/23 16:30	Thu 11/05/23 17:00	1593	G Kapenda,O Keamogetswe
1595		Measure Clearances & Record Clearances	0.5 hrs	Thu 11/05/23 17:00	Thu 11/05/23 17:30	1594	G Kapenda,O Keamogetswe
1596		Remove Jacks	0.5 hrs	Thu 11/05/23 17:30	Thu 11/05/23 18:00	1595	G Moeseraela,T Moloi,K Gabantogele
1597		Box up	2 hrs	Fri 12/05/23 07:00	Fri 12/05/23 09:00	1596	G Kapenda,O Keamogetswe,G Moesera
1598		Clear Permits	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	1597	G Kapenda,O Keamogetswe
1599	**27A2GK03**	**PRIMARY CARBONATOR B GEARBOX AGITATOR - Carry Out Inspection**	**11.25 hrs**	**Fri 12/05/23 09:15**	**Sat 13/05/23 10:00**	**1580**	
1600		Lift Oil Drum (Prior)	0 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:15		M-Crane 30Ton,G Moeseraela,T Moloi,
1601		Make Out Permit	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30	1600	Operations
1602		Accept Permit	0.25 hrs	Fri 12/05/23 09:30	Fri 12/05/23 09:45	1601	G Kapenda,O Keamogetswe
1603		Open Covers	1.5 hrs	Fri 12/05/23 09:45	Fri 12/05/23 11:15	1602	G Kapenda,O Keamogetswe
1604		Inspect gears and seal	2.5 hrs	Fri 12/05/23 11:15	Fri 12/05/23 14:15	1603	G Kapenda,O Keamogetswe
1605		Inspect couplings both for gearbox to the motor and gearbox to the shaft	2.5 hrs	Fri 12/05/23 14:15	Fri 12/05/23 16:45	1604	G Kapenda,O Keamogetswe
1606		Drain, Flush And Refill Oil (Oil Gen Gear 460)	4 hrs	Fri 12/05/23 16:45	Sat 13/05/23 09:45	1605	G Kapenda,O Keamogetswe
1607		Clear Permit	0.25 hrs	Sat 13/05/23 09:45	Sat 13/05/23 10:00	1606	G Kapenda,O Keamogetswe
1608	**27A2DF04**	**SECONDARY CARBONATOR - Carry Out Spark Test And Repair**	**65 hrs**	**Fri 05/05/23 10:00**	**Thu 11/05/23 12:00**	**802**	
1609		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
1610		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1609	G Kapenda,O Keamogetswe
1611		Before Washing Swing All Blinds	3 hrs	Fri 05/05/23 10:30	Fri 05/05/23 14:00	1610	G Kapenda,O Keamogetswe
1612		Open Manholes	2 hrs	Fri 05/05/23 14:00	Fri 05/05/23 16:00	1611	M-Crane 7Ton,G Moeseraela,T Moloi,K
1613		Carry out decontamination protocol	6 hrs	Fri 05/05/23 16:00	Sat 06/05/23 11:00	1612	Nicholas
1614		Complete Gas Test Procedure	1 hr	Sat 06/05/23 11:00	Sat 06/05/23 12:00	1613	Lab
1615		Disconnect Seal Leg And Check For Blockage	1 hr	Sat 06/05/23 12:30	Sat 06/05/23 13:30	1614	G Kapenda,O Keamogetswe
1616		Clean & Dry Floor	0 hrs	Sat 06/05/23 13:30	Sat 06/05/23 13:30	1615	Operations
1617		Erect 10 Meters High Scaffold	8 hrs	Sat 06/05/23 13:30	Sat 06/05/23 21:30	1616	RSC Scaffolding
1618		Inspect & Spark Test	5 hrs	Sat 06/05/23 21:30	Sun 07/05/23 02:30	1617	Corrocoat
1619		Sandblasting	8 hrs	Sun 07/05/23 02:30	Sun 07/05/23 10:30	1618	Corrocoat
1620		Replace Gland Seals	4 hrs	Sun 07/05/23 10:30	Sun 07/05/23 15:00	1619	G Kapenda,O Keamogetswe
1621		Apply glasscoating on damaged areas	20 hrs	Sun 07/05/23 15:00	Mon 08/05/23 11:00	1620	Corrocoat
1622		Curing time	48 hrs	Mon 08/05/23 11:00	Wed 10/05/23 11:00	1621	
1623		Remove Scaffold	4 hrs	Wed 10/05/23 11:00	Wed 10/05/23 15:00	1622	RSC Scaffolding
1624		Remove decontamination controls	6 hrs	Wed 10/05/23 15:00	Thu 11/05/23 10:00	1623	Nicholas
1625		Box Up Manholes	2 hrs	Thu 11/05/23 10:00	Thu 11/05/23 12:00	1624	M-Crane 7Ton,G Moeseraela,T Moloi,K
1626		Swing Blinds	0 hrs	Thu 11/05/23 12:00	Thu 11/05/23 12:00	1625	G Kapenda,O Keamogetswe
1627		Sign Off Work And Vessel Entry Permits	0 hrs	Thu 11/05/23 12:00	Thu 11/05/23 12:00	1626	G Kapenda,O Keamogetswe
1628	**27A2DF04**	**SECONDARY CARBONATOR - Modify Pipe for Cooling Water Lines to fit isolation Valve**	**8.5 hrs**	**Sun 14/05/23 15:30**	**Mon 15/05/23 13:30**	**1569**	
1629		Order flanges prior	0 hrs	Sun 14/05/23 15:30	Sun 14/05/23 15:30		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1630		Make Out Permit	0.25 hrs	Sun 14/05/23 15:30	Sun 14/05/23 15:45	1629	Operations
1631		Accept Permit	0.25 hrs	Sun 14/05/23 15:45	Sun 14/05/23 16:00	1630	M Ramatlhakeng,S Monna
1632		cut pipe section to accommodate valve	1.5 hrs	Sun 14/05/23 16:00	Sun 14/05/23 17:30	1631	M Ramatlhakeng,S Monna
1633		Install flanges 2"	2 hrs	Sun 14/05/23 17:30	Mon 15/05/23 08:30	1632	M Ramatlhakeng,S Monna
1634		tac and weld flanges	3 hrs	Mon 15/05/23 08:30	Mon 15/05/23 11:30	1633	M Ramatlhakeng,S Monna
1635		Install new valve 2"	1 hr	Mon 15/05/23 11:30	Mon 15/05/23 13:00	1634	M Ramatlhakeng,S Monna
1636		House keeping	0.25 hrs	Mon 15/05/23 13:00	Mon 15/05/23 13:15	1635	M Ramatlhakeng,S Monna
1637		Clear permit	0.25 hrs	Mon 15/05/23 13:15	Mon 15/05/23 13:30	1636	M Ramatlhakeng,S Monna
1638	**27A2GK04**	**SECONDARY CARBONATOR - Agitator shaft and steady rest assembly replacement**	**62.25 hrs**	**Fri 05/05/23 10:00**	**Thu 11/05/23 09:15**		
1639		Clean the area(prior)	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
1640		Make out permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1639	Operations
1641		Accept permit to work	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	1640	G Kapenda,O Keamogetswe
1642		Carry out risk assesment	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00	1641	G Kapenda,O Keamogetswe
1643		Open manhole cover	2 hrs	Fri 05/05/23 11:00	Fri 05/05/23 13:30	1642	G Kapenda,O Keamogetswe
1644		Carry out decontamination protocol	6 hrs	Fri 05/05/23 13:30	Sat 06/05/23 08:30	1643	Oscar6
1645		Perform gas test and make vessel entry permit	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	1644	Laboratory,Operations
1646		Remove the shade	0.5 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:15	1645	G Moeseraela,T Moloi,K Gabantogele,N
1647		Disconnect the motor	0.5 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:45	1646	L Majoo,Electrician1
1648		Uncouple the motor and gearbox	0.5 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:15	1647	G Kapenda,O Keamogetswe
1649		Remove the motor	0.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:45	1648	G Moeseraela,T Moloi,K Gabantogele
1650		Support the shaft on the structure below the coupling	2 hrs	Sat 06/05/23 10:45	Sat 06/05/23 13:15	1649	M Ramatlhakeng,S Monna,G Moeserae
1651		Support the shaft on the blades using the stands	1 hr	Sat 06/05/23 13:15	Sat 06/05/23 14:15	1650	G Kapenda,O Keamogetswe
1652		Uncouple gearbox from shaft	2 hrs	Sat 06/05/23 14:15	Sat 06/05/23 16:15	1651	G Kapenda,O Keamogetswe
1653		Undo gearbox mounting bolts	1 hr	Sat 06/05/23 16:15	Sat 06/05/23 17:15	1652	Crane,G Moeseraela,T Moloi,G Kapend
1654		Rig gearbox to the ground	1 hr	Sat 06/05/23 17:15	Sun 07/05/23 07:15	1653	G Moeseraela,T Moloi,K Gabantogele,N
1655		Remove shaft half coupling	4 hrs	Sun 07/05/23 07:15	Sun 07/05/23 11:15	1654	G Kapenda,O Keamogetswe
1656		Remove gland follower	1 hr	Sun 07/05/23 11:15	Sun 07/05/23 12:45	1655	G Kapenda,O Keamogetswe
1657		Remove expansion bellow	1 hr	Sun 07/05/23 12:45	Sun 07/05/23 13:45	1656	G Kapenda,O Keamogetswe
1658		Install new expansion bellow	1 hr	Sun 07/05/23 13:45	Sun 07/05/23 14:45	1657	G Kapenda,O Keamogetswe
1659		Install gland follower	1 hr	Sun 07/05/23 14:45	Sun 07/05/23 15:45	1658	G Kapenda,O Keamogetswe
1660		Install shaft half coupling	4 hrs	Sun 07/05/23 15:45	Mon 08/05/23 08:45	1659	G Kapenda,O Keamogetswe
1661		Drain oil from the gearbox	2 hrs	Sun 07/05/23 07:15	Sun 07/05/23 09:15	1654	Fitter1,Fitter2
1662		Open gearbox top cover	0.5 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:45	1661	Fitter1,Fitter2
1663		Inspect gears for chipping	0.5 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:15	1662	G Kapenda
1664		Inspect bearings for defects	0.5 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:45	1663	G Kapenda
1665		Inspect seals for leaks	0.5 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:15	1664	G Kapenda
1666		Possible repairs	8 hrs	Sun 07/05/23 11:15	Mon 08/05/23 08:45	1665	G Kapenda,Fitter1,Fitter2
1667		Rig the gearbox back up the tank	1 hr	Mon 08/05/23 08:45	Mon 08/05/23 09:45	1666	G Moeseraela,T Moloi,K Gabantogele,N
1668		Position gearbox	1 hr	Mon 08/05/23 09:45	Mon 08/05/23 10:45	1667	G Moeseraela,T Moloi,K Gabantogele,N
1669		Tighten mounting bolts	1 hr	Mon 08/05/23 10:45	Mon 08/05/23 11:45	1668	G Kapenda,O Keamogetswe
1670		Couple gearbox to the shaft	2 hrs	Mon 08/05/23 11:45	Mon 08/05/23 14:15	1669	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1671		Cut the sleeve and remove pedestal bolts	4 hrs	Mon 08/05/23 14:15	Tue 09/05/23 07:15	1670	M Ramatlhakeng,S Monna
1672		Disconnect gland service water	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	1671	G Kapenda,O Keamogetswe
1673		Lift up the sleeve and secure using chain blocks	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	1672	G Moeseraela,T Moloi,K Gabantogele
1674		Insert the guide rail	0.5 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:15	1673	G Moeseraela,T Moloi,K Gabantogele
1675		Rig out pedestal	1 hr	Tue 09/05/23 08:15	Tue 09/05/23 09:15	1674	G Moeseraela,T Moloi,K Gabantogele,G
1676		Rig out sleeve	1 hr	Tue 09/05/23 09:15	Tue 09/05/23 10:15	1675	G Moeseraela,T Moloi,K Gabantogele
1677		Clean the work area	0.5 hrs	Tue 09/05/23 10:15	Tue 09/05/23 10:45	1676	Operations
1678		Install new sleeve	1 hr	Tue 09/05/23 10:45	Tue 09/05/23 11:45	1677	M-Crane 100Ton,G Moeseraela,T Molo
1679		Install new pedestal	1 hr	Tue 09/05/23 11:45	Tue 09/05/23 13:15	1678	M-Crane 100Ton,G Moeseraela,T Molo
1680		Tighten the pedestal mounting bolts	1 hr	Tue 09/05/23 13:15	Tue 09/05/23 14:15	1679	G Kapenda,O Keamogetswe
1681		Install motor	1 hr	Tue 09/05/23 14:15	Tue 09/05/23 15:15	1680	G Moeseraela,T Moloi,K Gabantogele
1682		Couple motor to gearbox and align	2 hrs	Tue 09/05/23 15:15	Tue 09/05/23 17:15	1681	Reliability,G Kapenda,O Keamogetswe
1683		Tighten mounting bolts	0.5 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:45	1682	G Kapenda,O Keamogetswe
1684		Install guard and secure	0.25 hrs	Tue 09/05/23 17:45	Tue 09/05/23 18:00	1683	G Moeseraela,T Moloi,K Gabantogele
1685		Connect motor cables	2 hrs	Wed 10/05/23 07:00	Wed 10/05/23 09:00	1684	L Majoo,Electrician1
1686		Install shade	1 hr	Wed 10/05/23 09:00	Wed 10/05/23 10:00	1685	G Moeseraela,T Moloi,K Gabantogele,G
1687		Weld the sleeve in position	2 hrs	Wed 10/05/23 10:00	Wed 10/05/23 12:00	1686	M Ramatlhakeng,S Monna
1688		Refill gearbox oil	0.5 hrs	Wed 10/05/23 12:30	Wed 10/05/23 13:00	1687	G Kapenda,O Keamogetswe
1689		Reconnect gland service water under the pedestal	0.5 hrs	Wed 10/05/23 13:00	Wed 10/05/23 13:30	1688	G Kapenda,O Keamogetswe
1690		Remove decontamination controls	6 hrs	Wed 10/05/23 13:30	Thu 11/05/23 08:30	1689	Oscar6
1691		Close manhole cover	0.5 hrs	Thu 11/05/23 08:30	Thu 11/05/23 09:00	1690	M-Crane 100Ton,G Moeseraela,T Molo
1692		Clear the permit	0.25 hrs	Thu 11/05/23 09:00	Thu 11/05/23 09:15	1691	G Kapenda,O Keamogetswe
1693	**27A2GK04**	**SECONDARY CARBONATOR GEARBOX AGITATOR - Send input shaft for repairs**	**133 hrs**	**Fri 05/05/23 10:00**	**Wed 17/05/23 17:30**	**802**	
1694		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
1695		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1694	G Kapenda,O Keamogetswe
1696		Carry out risk assessment	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	1695	G Kapenda,O Keamogetswe,M Ramatlh
1697		Rig out canopy	0.5 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:15	1696	G Moeseraela,T Moloi
1698		Disconnect motor	0.5 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:45	1697	L Majoo,Electrician1
1699		Remove coupling guard	0.5 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:45	1698	G Kapenda,O Keamogetswe
1700		Uncouple drive	1 hr	Fri 05/05/23 12:45	Fri 05/05/23 13:45	1699	G Kapenda,O Keamogetswe
1701		Undo motor mounting bolts	1 hr	Fri 05/05/23 13:45	Fri 05/05/23 14:45	1700	G Kapenda,O Keamogetswe
1702		Rig out motor	1 hr	Fri 05/05/23 14:45	Fri 05/05/23 15:45	1701	G Moeseraela,K Gabantogele,T Moloi
1703		Remove shaft side coupling flange	1 hr	Fri 05/05/23 15:45	Fri 05/05/23 16:45	1702	G Kapenda,O Keamogetswe
1704		Undo input shaft mounting bolts and remove shaft	0.5 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:15	1703	G Kapenda,O Keamogetswe
1705		Seal gearbox from dust	0.5 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:45	1704	G Kapenda,O Keamogetswe
1706		Transport input shaft to David Brown	3 days	Sun 07/05/23 07:45	Mon 08/05/23 19:45	1705,9094	Stores
1707		Input shaft repairs	6 days	Tue 09/05/23 07:00	Mon 15/05/23 16:30	1706	David Brown
1708		Transport shaft back to site	3 days	Mon 15/05/23 16:30	Wed 17/05/23 04:30	1707	Stores
1709		Clean dust	0.25 hrs	Wed 17/05/23 07:00	Wed 17/05/23 07:15	1708	G Kapenda,O Keamogetswe
1710		Install input shaft onto gearbox	1 hr	Wed 17/05/23 07:15	Wed 17/05/23 08:15	1709	G Kapenda,O Keamogetswe
1711		Install shaft side coupling flange	1 hr	Wed 17/05/23 08:15	Wed 17/05/23 09:15	1710	G Kapenda,O Keamogetswe
1712		Rig in motor	1 hr	Wed 17/05/23 09:15	Wed 17/05/23 10:15	1711	G Moeseraela,K Gabantogele,T Moloi

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1713		Couple drives	1 hr	Wed 17/05/23 10:15	Wed 17/05/23 11:15	1712	G Kapenda,O Keamogetswe
1714		Carry out laser alignment	4 hrs	Wed 17/05/23 11:15	Wed 17/05/23 15:45	1713	G Kapenda,O Keamogetswe
1715		Install coupling guard	0.5 hrs	Wed 17/05/23 15:45	Wed 17/05/23 16:15	1714	G Kapenda,O Keamogetswe
1716		Housekeeping	0.5 hrs	Wed 17/05/23 16:15	Wed 17/05/23 16:45	1715	G Kapenda,O Keamogetswe
1717		Rig in canopy	0.5 hrs	Wed 17/05/23 16:45	Wed 17/05/23 17:15	1716	G Moeseraela,K Gabantogele,T Moloi
1718		Clear Permit	0.25 hrs	Wed 17/05/23 17:15	Wed 17/05/23 17:30	1717	G Kapenda,O Keamogetswe
1719	**27A2GK04**	**SECONDARY CARBONATOR GEARBOX AGITATOR - Carry Out Inspection**	**10.5 hrs**	**Mon 08/05/23 19:45**	**Tue 09/05/23 18:00**	**1706**	
1720		Lift Oil Drum (Prior)	0 hrs	Mon 08/05/23 19:45	Mon 08/05/23 19:45		M-Crane 30Ton,G Moeseraela,T Moloi,
1721		Open Covers	1.5 hrs	Tue 09/05/23 07:00	Tue 09/05/23 08:30	1695	G Kapenda,O Keamogetswe
1722		Inspect gears and seal	2.5 hrs	Tue 09/05/23 08:30	Tue 09/05/23 11:00	1721	G Kapenda,O Keamogetswe
1723		Inspect couplings both for gearbox to the motor and gearbox to the shaft	2.5 hrs	Tue 09/05/23 11:00	Tue 09/05/23 14:00	1722	G Kapenda,O Keamogetswe
1724		Drain, Flush And Refill Oil (Oil Gen Gear 460)	4 hrs	Tue 09/05/23 14:00	Tue 09/05/23 18:00	1723	G Kapenda,O Keamogetswe
1725	**27A2DF04**	**SECONDARY CARBONATOR TO PRIMARY A - Replace MS bypass line pipes with SS**	**46 hrs**	**Fri 05/05/23 10:00**	**Tue 09/05/23 14:30**		
1726		Cast pipe support plinths prior	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		Civils
1727		Install valve support structure prior	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	1726	Civils,M Ramatlhakeng,S Monna
1728		Make out permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1727	Operations
1729		Accept permit	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	1728	G Kapenda
1730		Remove 2 existing bypass valves and associated spool pieces	4 hrs	Fri 05/05/23 10:45	Fri 05/05/23 15:15	1729	Tshepo Themba
1731		Rig valves into place	3.5 hrs	Fri 05/05/23 15:15	Sat 06/05/23 07:45	1730	Tshepo Themba
1732		Cut and prep pipes	4 hrs	Sat 06/05/23 07:45	Sat 06/05/23 11:45	1731	Tshepo Themba
1733		Weld flanges fully	4 hrs	Sat 06/05/23 11:45	Sat 06/05/23 16:15	1732	Tshepo Themba
1734		Secure valve with bolts and nuts	4 hrs	Sat 06/05/23 16:15	Sun 07/05/23 09:15	1733	Tshepo Themba
1735		Tighten bolts and nuts	2 hrs	Sun 07/05/23 09:15	Sun 07/05/23 11:15	1734	Tshepo Themba
1736		Fabricate actuator support if necessary	6 hrs	Sun 07/05/23 11:15	Sun 07/05/23 17:45	1735	Tshepo Themba
1737		Install hydraulic hoses and panel system prior	12.5 hrs	Sun 07/05/23 17:45	Tue 09/05/23 08:45	1736	Tshepo Themba
1738		Connect and tie in the system to supply	4 hrs	Tue 09/05/23 08:45	Tue 09/05/23 13:15	1737	Tshepo Themba
1739		Housekeeping	1 hr	Tue 09/05/23 13:15	Tue 09/05/23 14:15	1738	Tshepo Themba
1740		Clear permit	0.25 hrs	Tue 09/05/23 14:15	Tue 09/05/23 14:30	1739	G Kapenda,Operations
1741	**27A2DF03**	**SECONDARY CARBONATOR TO PRIMARY B - Replace MS bypass line pipes with SS**	**46 hrs**	**Tue 09/05/23 14:30**	**Sun 14/05/23 07:30**	**1725**	
1742		Cast pipe support plinths prior	0 hrs	Tue 09/05/23 14:30	Tue 09/05/23 14:30		Civils
1743		Install valve support structure prior	0.25 hrs	Tue 09/05/23 14:30	Tue 09/05/23 14:45	1742	Civils,M Ramatlhakeng,S Monna
1744		Make out permit	0.25 hrs	Tue 09/05/23 14:45	Tue 09/05/23 15:00	1743	Operations
1745		Accept permit	0.25 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:15	1744	G Kapenda
1746		Remove 2 existing bypass valves and associated spool pieces	4 hrs	Tue 09/05/23 15:15	Wed 10/05/23 08:15	1745	Tshepo Themba
1747		Rig valves into place	3.5 hrs	Wed 10/05/23 08:15	Wed 10/05/23 11:45	1746	Tshepo Themba
1748		Cut and prep pipes	4 hrs	Wed 10/05/23 11:45	Wed 10/05/23 16:15	1747	Tshepo Themba
1749		Weld flanges fully	4 hrs	Wed 10/05/23 16:15	Thu 11/05/23 09:15	1748	Tshepo Themba
1750		Secure valve with bolts and nuts	4 hrs	Thu 11/05/23 09:15	Thu 11/05/23 13:45	1749	Tshepo Themba
1751		Tighten bolts and nuts	2 hrs	Thu 11/05/23 13:45	Thu 11/05/23 15:45	1750	Tshepo Themba
1752		Fabricate actuator support if necessary	6 hrs	Thu 11/05/23 15:45	Fri 12/05/23 10:45	1751	Tshepo Themba

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1753		Install hydraulic hoses and panel system prior	12.5 hrs	Fri 12/05/23 10:45	Sat 13/05/23 13:15	1752	Tshepo Themba
1754		Connect and tie in the system to supply	4 hrs	Sat 13/05/23 13:15	Sat 13/05/23 17:15	1753	Tshepo Themba
1755		Housekeeping	1 hr	Sat 13/05/23 17:15	Sun 14/05/23 07:15	1754	Tshepo Themba
1756		Clear permit	0.25 hrs	Sun 14/05/23 07:15	Sun 14/05/23 07:30	1755	G Kapenda,Operations
1757	**27A2DF04**	**SECONDARY CARBONATOR - Repair Fibre Glass Line (Fibre Glass Specialist)**	**13.25 hrs**	**Fri 05/05/23 10:00**	**Sat 06/05/23 13:15**		
1758		Clean the area(prior)	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
1759		Make out permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1758	Operations
1760		Accept permit to work	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	1759	G Kapenda,O Keamogetswe
1761		Carry out risk assesment	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00	1760	G Kapenda,O Keamogetswe
1762		Support the pipe to be cut with correct lifting gear	0.5 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:30	1761	G Moeseraela,T Moloi,K Gabantogele
1763		Unbolt the clamps securing the pipes(saddle clamps)	0.5 hrs	Fri 05/05/23 11:30	Fri 05/05/23 12:00	1762	Contractor,G Kapenda,O Keamogetswe
1764		Cut a section of the pipe to be replaced and remove it using correct lifting gear	1 hr	Fri 05/05/23 12:30	Fri 05/05/23 13:30	1763	Contractor,G Kapenda,O Keamogetswe
1765		Rig a new pipe in position and align with an existing pipe	2 hrs	Fri 05/05/23 13:30	Fri 05/05/23 15:30	1764	G Moeseraela,T Moloi,K Gabantogele
1766		Join and bond the pipes together using the material and chemicals provided	2 hrs	Fri 05/05/23 15:30	Fri 05/05/23 17:30	1765	Contractor,G Kapenda,O Keamogetswe
1767		Allow them to cure	4 hrs	Fri 05/05/23 17:30	Sat 06/05/23 10:30	1766	Contractor,G Kapenda,O Keamogetswe
1768		Lower the pipes on the saddles and secure them	0.5 hrs	Sat 06/05/23 10:30	Sat 06/05/23 11:00	1767	G Moeseraela,T Moloi,K Gabantogele
1769		Remove the lifting gear	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	1768	G Moeseraela,T Moloi,K Gabantogele
1770		Carry out housekeeping	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	1769	G Kapenda,O Keamogetswe
1771		Dismantle the scaffolding	1 hr	Sat 06/05/23 11:30	Sat 06/05/23 13:00	1770	G Moeseraela,T Moloi,K Gabantogele
1772		Sign off the permit	0.25 hrs	Sat 06/05/23 13:00	Sat 06/05/23 13:15	1771	Contractor,G Kapenda,O Keamogetswe
1773	**27A2ST01**	**CARBONATOR OFFGAS HEADER - Install hot wash water flushing pipe**	**29.75 hrs**	**Mon 08/05/23 07:30**	**Wed 10/05/23 16:45**	**513**	
1774		Erect scaffolding prior	0 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:30		RSC Scaffolding
1775		Issue permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	1774	Operations
1776		Accept permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	1775	G Kapenda,O Keamogetswe
1777		Break Flanged joints and remove elbow on Primary B cabonator side	4.5 hrs	Mon 08/05/23 08:00	Mon 08/05/23 13:00	1776	G Kapenda,O Keamogetswe
1778		Rig out elbow	1 hr	Mon 08/05/23 13:00	Mon 08/05/23 14:00	1777	M-Crane 30Ton,G Moeseraela,T Moloi
1779		Rig in T-piece to replace elbow	1 hr	Mon 08/05/23 14:00	Mon 08/05/23 15:00	1778	M-Crane 30Ton,G Moeseraela,T Moloi
1780		Secure T-piece with bolts an nuts	2 hrs	Mon 08/05/23 15:00	Mon 08/05/23 17:00	1779	G Kapenda,O Keamogetswe
1781		Position 6" SS 316L flushing pipes and secure with bolts and nuts	3 hrs	Mon 08/05/23 17:00	Tue 09/05/23 09:00	1780	G Moeseraela,T Moloi,G Kapenda,O Ke
1782		Cut pipes to size where necessary	4 hrs	Tue 09/05/23 09:00	Tue 09/05/23 13:30	1781	M Ramatlhakeng,S Monna
1783		Blank while waiting for fibre glass works	0.5 hrs	Tue 09/05/23 13:30	Tue 09/05/23 14:00	1782	G Kapenda,O Keamogetswe
1784		Cut fibre glass hot wash water supply line to B carbonator and install flanged stub	4 hrs	Tue 09/05/23 14:00	Tue 09/05/23 18:00	1783	G Kapenda,O Keamogetswe
1785		Allow bond to cure	6 hrs	Wed 10/05/23 07:00	Wed 10/05/23 13:30	1784	G Kapenda,O Keamogetswe
1786		Join flushing pipes to flanged fibre glass stub after curing	2.5 hrs	Wed 10/05/23 13:30	Wed 10/05/23 16:00	1785	G Kapenda,O Keamogetswe
1787		Housekeeping	0.5 hrs	Wed 10/05/23 16:00	Wed 10/05/23 16:30	1786	M Ramatlhakeng,S Monna,G Kapenda,(
1788		Clear permit	0.25 hrs	Wed 10/05/23 16:30	Wed 10/05/23 16:45	1787	G Kapenda,O Keamogetswe
1789	**27A2ST01**	**CARBONATOR OFFGAS HEADER - Replace fibreglass bend with stainless steel**	**20 hrs**	**Fri 05/05/23 10:00**	**Sun 07/05/23 09:00**		
1790		Erect scaffolding prior	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		RSC Scaffolding
1791		Issue permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	1790	Operations
1792		Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1791	G Kapenda,O Keamogetswe
1793		Support the pipe to be cut with correct lifting gear	0.5 hrs	Fri 05/05/23 10:30	Fri 05/05/23 11:00	1792	G Moeseraela,T Moloi,K Gabantogele

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1794		Measure and cut a section of the pipe to be replaced and remove it using correct lifting gear	1 hr	Fri 05/05/23 11:00	Fri 05/05/23 12:00	1793	Contractor,G Kapenda,O Keamogetswe
1795		Install stubs on the cut fibreglass pipes	10 hrs	Fri 05/05/23 12:30	Sat 06/05/23 11:30	1794	Contractor,G Kapenda,O Keamogetswe
1796		Allow them to cure	4 hrs	Sat 06/05/23 11:30	Sat 06/05/23 16:00	1795	Contractor,G Kapenda,O Keamogetswe
1797		Rig a new pipe in stainless steel pipes into position and align with an fibreglass pipe	2 hrs	Sat 06/05/23 16:00	Sat 06/05/23 18:00	1796	G Moeseraela,T Moloi,K Gabantogele
1798		Install gaskets and tighten flanges	2 hrs	Sun 07/05/23 07:00	Sun 07/05/23 09:00	1797	Contractor,G Kapenda,O Keamogetswe
1799		Remove the lifting gear	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		G Moeseraela,T Moloi,K Gabantogele
1800		Housekeeping	0.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:45	1799	M Ramatlhakeng,S Monna,G Kapenda,(
1801		Clear permit	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00	1800	G Kapenda,O Keamogetswe
1802	**27A2DF04**	**SECONDARY CARBONATOR - pH metering system installation**	**34.5 hrs**	**Wed 10/05/23 16:45**	**Sun 14/05/23 08:45**	**1773**	
1803		**Pipe and Elbow Installation Works**	**19 hrs**	**Wed 10/05/23 16:45**	**Fri 12/05/23 14:45**		
1804		Removal old bolts and securing elbow.	6 hrs	Wed 10/05/23 16:45	Thu 11/05/23 11:45		M Ramatlhakeng,S Monna,G Moeserae
1805		Studs removal	4 hrs	Thu 11/05/23 11:45	Thu 11/05/23 16:15	1804	G Kapenda,O Keamogetswe
1806		Elbow replacement and insert new elbow	4 hrs	Thu 11/05/23 16:15	Fri 12/05/23 09:15	1805	M Ramatlhakeng,S Monna,G Moeserae
1807		Gaskets and torque bolts.	4 hrs	Fri 12/05/23 09:15	Fri 12/05/23 13:45	1806	G Kapenda,O Keamogetswe
1808		Housekeeping and permit clearing.	1 hr	Fri 12/05/23 13:45	Fri 12/05/23 14:45	1807	M Ramatlhakeng,S Monna,G Moeserae
1809		**pH metering system inspections**	**11.5 hrs**	**Fri 12/05/23 14:45**	**Sat 13/05/23 15:45**	**1803**	
1810		Mounting kit assembly and installation.	3.5 hrs	Fri 12/05/23 14:45	Sat 13/05/23 07:15		Paulos,O Jacob,K Dijeng
1811		EasyClean& pump and valve installation.	2 hrs	Sat 13/05/23 07:15	Sat 13/05/23 09:15	1810	Paulos,O Jacob,K Dijeng
1812		Transmitter mounting	1 hr	Sat 13/05/23 09:15	Sat 13/05/23 10:15	1811	Paulos,O Jacob,K Dijeng
1813		Retractable housing setup and installation	3 hrs	Sat 13/05/23 10:15	Sat 13/05/23 13:45	1812	Paulos,O Jacob,K Dijeng
1814		Pipping and transmitter connections.	1 hr	Sat 13/05/23 13:45	Sat 13/05/23 14:45	1813	Paulos,O Jacob,K Dijeng
1815		Testing	1 hr	Sat 13/05/23 14:45	Sat 13/05/23 15:45	1814	Paulos,O Jacob,K Dijeng
1816		**Commissioning and Monitoring.**	**4 hrs**	**Sat 13/05/23 15:45**	**Sun 14/05/23 08:45**	**1809**	
1817		Dry commissioning exercise	4 hrs	Sat 13/05/23 15:45	Sun 14/05/23 08:45		Koko,Paulos,Modiredi,O Jacob,K Dijeng
1818	**27B2ST01**	**OFF GAS LINE - Replace fibreglass line**	**109.25 hrs**	**Sat 06/05/23 11:00**	**Tue 16/05/23 15:45**	**843**	
1819		Make Out Permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15		Operations
1820		Accept Permit	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	1819	M Ramatlhakeng,S Monna
1821		Cut and rig out fibreglass pipe	12 hrs	Sat 06/05/23 11:30	Sun 07/05/23 13:30	1820	M-Crane 35Ton,G Moeseraela,T Moloi,
1822		Rig in new pipe	72 hrs	Sun 07/05/23 13:30	Sun 14/05/23 11:30	1821	M-Crane 35Ton,G Moeseraela,T Moloi,
1823		Align flanges and tighten bolts	24 hrs	Sun 14/05/23 11:30	Tue 16/05/23 15:00	1822	Fibrewound
1824		Housekeeping	0.5 hrs	Tue 16/05/23 15:00	Tue 16/05/23 15:30	1823	Fibrewound
1825		Clear permit	0.25 hrs	Tue 16/05/23 15:30	Tue 16/05/23 15:45	1824	M Ramatlhakeng,Operations
1826	**27A2DF01**	**OFF GAS LINE - Replace Flanges 3 off**	**30 hrs**	**Sun 07/05/23 09:00**	**Wed 10/05/23 07:30**	**843SS+2 da**	
1827		Order flanges prior	0 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:00		
1828		Make Out Permit	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	1827	Operations
1829		Accept Permit	0.25 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:30	1828	M Ramatlhakeng,S Monna
1830		Cut off old flanges	6 hrs	Sun 07/05/23 09:30	Sun 07/05/23 16:00	1829	M Ramatlhakeng,S Monna
1831		Tag weld new flanges	6 hrs	Sun 07/05/23 16:00	Mon 08/05/23 11:00	1830	M Ramatlhakeng,S Monna
1832		Weld flanges	16 hrs	Mon 08/05/23 11:00	Tue 09/05/23 17:00	1831	M Ramatlhakeng,S Monna
1833		Dye pan test	1 hr	Tue 09/05/23 17:00	Tue 09/05/23 18:00	1832	M Ramatlhakeng,S Monna

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1834		House keeping	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	1833	M Ramatlhakeng,S Monna
1835		Clear permit	0.25 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:30	1834	M Ramatlhakeng,S Monna
1836	**27A2FF01**	**OFF GAS SEPARATOR - Replace drain manual valve**	**7.25 hrs**	**Fri 05/05/23 10:00**	**Fri 05/05/23 17:45**		
1837		Make out permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
1838		Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1837	G Kapenda,O Keamogetswe
1839		Carry out risk assement	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	1838	G Kapenda,O Keamogetswe
1840		Loosen holding bolts	1 hr	Fri 05/05/23 10:45	Fri 05/05/23 11:45	1839	G Kapenda,O Keamogetswe
1841		Remove valve	2 hrs	Fri 05/05/23 11:45	Fri 05/05/23 14:15	1840	G Kapenda,O Keamogetswe
1842		Install new valve	2 hrs	Fri 05/05/23 14:15	Fri 05/05/23 16:15	1841	G Moeseraela,T Moloi,K Gabantogele,G
1843		Tighten all bolts	1 hr	Fri 05/05/23 16:15	Fri 05/05/23 17:15	1842	G Kapenda,O Keamogetswe
1844		Housekeeping	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30	1843	G Kapenda,O Keamogetswe
1845		Clear permit	0.25 hrs	Fri 05/05/23 17:30	Fri 05/05/23 17:45	1844	G Kapenda,O Keamogetswe
1846		**HOT WASH WATER LINE - Replace fibreglass line**	**109.25 hrs**	**Sat 06/05/23 11:00**	**Tue 16/05/23 15:45**	**843**	
1847		Make Out Permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15		Operations
1848		Accept Permit	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	1847	M Ramatlhakeng,S Monna
1849		Cut and rig out fibreglass pipe	12 hrs	Sat 06/05/23 11:30	Sun 07/05/23 13:30	1848	M-Crane 35Ton,G Moeseraela,T Moloi,
1850		Rig in new pipe	72 hrs	Sun 07/05/23 13:30	Sun 14/05/23 11:30	1849	M-Crane 35Ton,G Moeseraela,T Moloi,
1851		Align flanges and tighten bolts	24 hrs	Sun 14/05/23 11:30	Tue 16/05/23 15:00	1850	Fibrewound
1852		Housekeeping	0.5 hrs	Tue 16/05/23 15:00	Tue 16/05/23 15:30	1851	Fibrewound
1853		Clear permit	0.25 hrs	Tue 16/05/23 15:30	Tue 16/05/23 15:45	1852	M Ramatlhakeng,Operations
1854	**27A2ST01**	**PLANT STRUCTURES (VALVES) - Replace Inserts 400mm, 5 Off valves**	**12.25 hrs**	**Fri 05/05/23 10:00**	**Sat 06/05/23 11:45**		
1855		Make out permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
1856		Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1855	G Kapenda,O Keamogetswe
1857		Carry out risk assement	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	1856	G Kapenda,O Keamogetswe
1858		Loosen holding bolts	2 hrs	Fri 05/05/23 10:45	Fri 05/05/23 13:15	1857	G Kapenda,O Keamogetswe
1859		Remove valve	3.5 hrs	Fri 05/05/23 13:15	Fri 05/05/23 16:45	1858	G Kapenda,O Keamogetswe
1860		Install new inserts	3.5 hrs	Fri 05/05/23 16:45	Sat 06/05/23 09:15	1859	G Moeseraela,T Moloi,K Gabantogele,G
1861		Tighten all bolts	2 hrs	Sat 06/05/23 09:15	Sat 06/05/23 11:15	1860	G Kapenda,O Keamogetswe
1862		Housekeeping	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	1861	G Kapenda,O Keamogetswe
1863		Clear permit	0.25 hrs	Sat 06/05/23 11:30	Sat 06/05/23 11:45	1862	G Kapenda,O Keamogetswe
1864	**27A2ST01**	**PLANT STRUCTURE GENERAL - Repair fibreglass pipelines**	**65.5 hrs**	**Tue 16/05/23 15:45**	**Tue 23/05/23 07:15**	**1846**	
1865		Erect scaffolding prior	0 hrs	Tue 16/05/23 15:45	Tue 16/05/23 15:45		RSC Scaffolding
1866		Issue permit	0.25 hrs	Tue 16/05/23 15:45	Tue 16/05/23 16:00	1865	Operations
1867		Accept permit	0.25 hrs	Tue 16/05/23 16:00	Tue 16/05/23 16:15	1866	G Kapenda,O Keamogetswe
1868		Support the pipe to be cut with correct lifting gear	0.5 hrs	Tue 16/05/23 16:15	Tue 16/05/23 16:45	1867	G Moeseraela,T Moloi,K Gabantogele
1869		Measure and cut a section of the pipe to be replaced and remove it using correct lifting gear	10 hrs	Tue 16/05/23 16:45	Wed 17/05/23 16:15	1868	Contractor,G Kapenda,O Keamogetswe
1870		Install stubs on the cut fibreglass pipes	20 hrs	Wed 17/05/23 16:15	Fri 19/05/23 15:15	1869	
1871		Allow them to cure	16 hrs	Fri 19/05/23 15:15	Sun 21/05/23 09:45	1870	Contractor,G Kapenda,O Keamogetswe
1872		Rig a new pipe in stainless steel pipes into position and align with an fibreglass pipe	8 hrs	Sun 21/05/23 09:45	Mon 22/05/23 07:15	1871	G Moeseraela,T Moloi,K Gabantogele
1873		Install gaskets and tighten flanges	8 hrs	Mon 22/05/23 07:15	Mon 22/05/23 15:45	1872	Contractor,G Kapenda,O Keamogetswe

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1874			Remove the lifting gear	0.25 hrs	Mon 22/05/23 15:45	Mon 22/05/23 16:00	1873	G Moeseraela,T Moloi,K Gabantogele
1875			Housekeeping	2 hrs	Mon 22/05/23 16:00	Mon 22/05/23 18:00	1874	M Ramatlhakeng,S Monna,G Kapenda,(
1876			Clear permit	0.25 hrs	Tue 23/05/23 07:00	Tue 23/05/23 07:15	1875	G Kapenda,O Keamogetswe
1877		**27A2ST01**	**SOFTENED WATER LINE TO CARBONATION - Repair leaks**	**13.25 hrs**	**Tue 16/05/23 15:45**	**Thu 18/05/23 07:30**	**1818**	
1878			Erect scafolding prior	0 hrs	Tue 16/05/23 15:45	Tue 16/05/23 15:45		M Ramatlhakeng,S Monna
1879			Make Out Permit	0.25 hrs	Tue 16/05/23 15:45	Tue 16/05/23 16:00	1878	M Ramatlhakeng,S Monna
1880			Accept Permit	0.25 hrs	Tue 16/05/23 16:00	Tue 16/05/23 16:15	1879	M Ramatlhakeng,S Monna
1881			Grind off existing welds	4 hrs	Tue 16/05/23 16:15	Wed 17/05/23 09:15	1880	M Ramatlhakeng,S Monna
1882			Reweld leaks	6 hrs	Wed 17/05/23 09:15	Wed 17/05/23 15:45	1881	M Ramatlhakeng,S Monna
1883			Dress welds	2 hrs	Wed 17/05/23 15:45	Wed 17/05/23 17:45	1882	M Ramatlhakeng,S Monna
1884			Housekeeping	0.5 hrs	Wed 17/05/23 17:45	Thu 18/05/23 07:15	1883	M Ramatlhakeng,S Monna
1885			Clear permit	0.25 hrs	Thu 18/05/23 07:15	Thu 18/05/23 07:30	1884	M Ramatlhakeng,S Monna
1886			Dismantle scaffolding	0 hrs	Thu 18/05/23 07:30	Thu 18/05/23 07:30	1885	M Ramatlhakeng,S Monna
1887		**27A2ST01**	**PLANT STRUCTURE - Replace T-Brine lines to A & B**	**17 hrs**	**Fri 05/05/23 10:00**	**Sat 06/05/23 17:00**		
1888			Erect scaffolding prior	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		Operations
1889			Fabricate replacement pipes prior	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00	1888	G Kapenda
1890			Make out permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	1889	Tshepo Themba
1891			Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	1890	Tshepo Themba
1892			Undo and remove flange bolts	8 hrs	Fri 05/05/23 10:30	Sat 06/05/23 08:00	1891	Tshepo Themba
1893			Rig out old pipes	2 hrs	Sat 06/05/23 08:00	Sat 06/05/23 10:00	1892	Tshepo Themba
1894			Rig in new pipes	2 hrs	Sat 06/05/23 10:00	Sat 06/05/23 12:00	1893	Tshepo Themba
1895			Align and install nuts	3 hrs	Sat 06/05/23 12:30	Sat 06/05/23 15:30	1894	Tshepo Themba
1896			Tighten bolts	1 hr	Sat 06/05/23 15:30	Sat 06/05/23 16:30	1895	Tshepo Themba
1897			Carry out housekeeping	0.25 hrs	Sat 06/05/23 16:30	Sat 06/05/23 16:45	1896	Tshepo Themba
1898			Clear permit	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00	1897	Tshepo Themba
1899		**27A2ST01**	**PLANT STRUCTURE - Replace gaskets on Condensate line to Salt plant**	**7 hrs**	**Mon 08/05/23 15:00**	**Tue 09/05/23 11:00**	**982SS+3 da**	
1900			Erect scaffolding prior	0 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:00		RSC Scaffolding
1901			Make out permit	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	1900	Operations
1902			Accept permit	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30	1901	G Kapenda,O Keamogetswe
1903			Carry out risk assement	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	1902	G Kapenda,O Keamogetswe
1904			Undo flange bolts	3 hrs	Mon 08/05/23 15:45	Tue 09/05/23 07:45	1903	G Kapenda,O Keamogetswe
1905			Clean flange faces	0.5 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:15	1904	G Kapenda,O Keamogetswe
1906			Install new gasket	0.5 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:45	1905	G Kapenda,O Keamogetswe
1907			Replace flange bolts and tighten	2 hrs	Tue 09/05/23 08:45	Tue 09/05/23 10:45	1906	G Kapenda,O Keamogetswe
1908			Clear permit	0.25 hrs	Tue 09/05/23 10:45	Tue 09/05/23 11:00	1907	G Kapenda,Operations
1909			**ELECTRICAL**	**141 hrs**	**Fri 05/05/23 10:00**	**Thu 18/05/23 15:00**	**981**	
1910		**27B2GA04A**	**PRE-CARBONATOR FEED PUMP A - Carry out general electrical inspections**	**17.5 hrs**	**Wed 10/05/23 09:28**	**Thu 11/05/23 16:58**	**982SS+4.33**	
1911			Make Out Permit	0.25 hrs	Wed 10/05/23 09:28	Wed 10/05/23 09:43		Operations
1912			Accept Permit	0.25 hrs	Wed 10/05/23 09:43	Wed 10/05/23 09:58	1911	L Majoo,Electrician1
1913			Carry Out Electrical Isolation	0.25 hrs	Wed 10/05/23 09:58	Wed 10/05/23 10:13	1912	L Majoo,Electrician1
1914			Disconnect motor and Stop/Start cables	2.5 hrs	Wed 10/05/23 10:13	Wed 10/05/23 13:13	1913	L Majoo,Electrician1
1915			prepare cable racks	1 hr	Wed 10/05/23 13:13	Wed 10/05/23 14:13	1914	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1916		Relocate cable rack	4 hrs	Wed 10/05/23 14:13	Thu 11/05/23 07:13	1915	M Ramatlhakeng,S Monna
1917		Relocate Stop/Start boxes	4 hrs	Thu 11/05/23 07:13	Thu 11/05/23 11:13	1916	M Ramatlhakeng,S Monna
1918		Reconnect motor and Stop/Start cables	2.5 hrs	Thu 11/05/23 11:13	Thu 11/05/23 14:13	1917	L Majoo,Electrician1
1919		Check Loose Connections In The Panel	0.25 hrs	Thu 11/05/23 14:13	Thu 11/05/23 14:28	1918	L Majoo,Electrician1
1920		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Thu 11/05/23 14:28	Thu 11/05/23 14:43	1919	L Majoo,Electrician1
1921		Confirm Correct Setting Of Protections	0.25 hrs	Thu 11/05/23 14:43	Thu 11/05/23 14:58	1920	L Majoo,Electrician1
1922		Service Stop/Start	0.5 hrs	Thu 11/05/23 14:58	Thu 11/05/23 15:28	1921	L Majoo,Electrician1
1923		Check Motor Fan Condition	0.5 hrs	Thu 11/05/23 15:28	Thu 11/05/23 15:58	1922	L Majoo,Electrician1
1924		Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 11/05/23 15:58	Thu 11/05/23 16:13	1923	L Majoo,Electrician1
1925		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 11/05/23 16:13	Thu 11/05/23 16:28	1924	L Majoo,Electrician1
1926		Seal For Moisture And Dust.	0.25 hrs	Thu 11/05/23 16:28	Thu 11/05/23 16:43	1925	L Majoo,Electrician1
1927		Clear Permit	0.25 hrs	Thu 11/05/23 16:43	Thu 11/05/23 16:58	1926	L Majoo,Electrician1
1928	**27B2GA04B**	**PRE-CARBONATOR FEED PUMP B - Carry out general electrical inspections**	**17.5 hrs**	**Thu 11/05/23 16:58**	**Sat 13/05/23 13:28**	**1910**	
1929		Make Out Permit	0.25 hrs	Thu 11/05/23 16:58	Thu 11/05/23 17:13		Operations
1930		Accept Permit	0.25 hrs	Thu 11/05/23 17:13	Thu 11/05/23 17:28	1929	L Majoo,Electrician1
1931		Carry Out Electrical Isolation	0.25 hrs	Thu 11/05/23 17:28	Thu 11/05/23 17:43	1930	L Majoo,Electrician1
1932		Disconnect motor and Stop/Start cables	2.5 hrs	Thu 11/05/23 17:43	Fri 12/05/23 09:13	1931	L Majoo,Electrician1
1933		prepare cable racks	1 hr	Fri 12/05/23 09:13	Fri 12/05/23 10:13	1932	L Majoo,Electrician1
1934		Relocate cable rack	4 hrs	Fri 12/05/23 10:13	Fri 12/05/23 14:43	1933	M Ramatlhakeng,S Monna
1935		Relocate Stop/Start boxes	4 hrs	Fri 12/05/23 14:43	Sat 13/05/23 07:43	1934	M Ramatlhakeng,S Monna
1936		Reconnect motor and Stop/Start cables	2.5 hrs	Sat 13/05/23 07:43	Sat 13/05/23 10:13	1935	L Majoo,Electrician1
1937		Check Loose Connections In The Panel	0.25 hrs	Sat 13/05/23 10:13	Sat 13/05/23 10:28	1936	L Majoo,Electrician1
1938		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Sat 13/05/23 10:28	Sat 13/05/23 10:43	1937	L Majoo,Electrician1
1939		Confirm Correct Setting Of Protections	0.25 hrs	Sat 13/05/23 10:43	Sat 13/05/23 10:58	1938	L Majoo,Electrician1
1940		Service Stop/Start	0.5 hrs	Sat 13/05/23 10:58	Sat 13/05/23 11:28	1939	L Majoo,Electrician1
1941		Check Motor Fan Condition	0.5 hrs	Sat 13/05/23 11:28	Sat 13/05/23 11:58	1940	L Majoo,Electrician1
1942		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 13/05/23 11:58	Sat 13/05/23 12:43	1941	L Majoo,Electrician1
1943		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sat 13/05/23 12:43	Sat 13/05/23 12:58	1942	L Majoo,Electrician1
1944		Seal For Moisture And Dust.	0.25 hrs	Sat 13/05/23 12:58	Sat 13/05/23 13:13	1943	L Majoo,Electrician1
1945		Clear Permit	0.25 hrs	Sat 13/05/23 13:13	Sat 13/05/23 13:28	1944	L Majoo,Electrician1
1946	**27A2GK01**	**PRE-CARBONATOR AGITATOR - Carry out general electrical inspections**	**8.75 hrs**	**Sat 13/05/23 13:28**	**Sun 14/05/23 11:13**	**1928**	
1947		Make Out Permit	0.25 hrs	Sat 13/05/23 13:28	Sat 13/05/23 13:43		Operations
1948		Accept Permit	0.25 hrs	Sat 13/05/23 13:43	Sat 13/05/23 13:58	1947	L Majoo,Electrician1
1949		Carry Out Electrical Isolation	0.25 hrs	Sat 13/05/23 13:58	Sat 13/05/23 14:13	1948	L Majoo,Electrician1
1950		Disconnect motor and send for repairs	2 hrs	Sat 13/05/23 14:13	Sat 13/05/23 16:13	1949	L Majoo,Electrician1
1951		Replace stop/start with stainless steel	1 hr	Sat 13/05/23 16:13	Sat 13/05/23 17:13	1950	L Majoo,Electrician1
1952		Service Stop/Start	0.25 hrs	Sat 13/05/23 17:13	Sat 13/05/23 17:28	1951	L Majoo,Electrician1
1953		Confirm Correct Setting Of Protections	0.25 hrs	Sat 13/05/23 17:28	Sat 13/05/23 17:43	1952	L Majoo,Electrician1
1954		Check Cable Terminal Leads For Over Heating	0.5 hrs	Sat 13/05/23 17:43	Sun 14/05/23 07:13	1953	L Majoo,Electrician1
1955		Install motor	2 hrs	Sun 14/05/23 07:13	Sun 14/05/23 09:13	1954	M-Crane 30Ton,G Moeseraela,T Moloi,
1956		Connect motor	1.5 hrs	Sun 14/05/23 09:13	Sun 14/05/23 10:43	1955	L Majoo,Electrician1
1957		Seal For Moisture And Dust.	0.25 hrs	Sun 14/05/23 10:43	Sun 14/05/23 10:58	1956	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1958		Clear Permit And Electrical Clearence Certificate	0.25 hrs	Sun 14/05/23 10:58	Sun 14/05/23 11:13	1957	L Majoo,Electrician1
1959	**27A2GK01**	**# 1 PRIMARY CARBONATOR AGITATOR A - Carry out general electrical inspections**	**19.5 hrs**	**Sun 14/05/23 11:13**	**Tue 16/05/23 09:43**	**1946**	
1960		Make Out Permit	0.25 hrs	Sun 14/05/23 11:13	Sun 14/05/23 11:28		Operations
1961		Accept Permit	0.25 hrs	Sun 14/05/23 11:28	Sun 14/05/23 11:43	1960	L Majoo,Electrician1
1962		Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Sun 14/05/23 11:43	Sun 14/05/23 11:58	1961	L Majoo,Electrician1
1963		Carry Out Electrical Isolation	0.25 hrs	Sun 14/05/23 11:58	Sun 14/05/23 12:43	1962	L Majoo,Electrician1
1964		Disconnect auxilliary lube oil pump	1.5 hrs	Sun 14/05/23 12:43	Sun 14/05/23 14:13	1963	L Majoo,Electrician1
1965		Paint motor	2 hrs	Sun 14/05/23 14:13	Sun 14/05/23 16:13	1964	Painter 1
1966		Allow to cure	4 hrs	Sun 14/05/23 16:13	Mon 15/05/23 09:13	1965	
1967		Troubleshoot frequent stopping with no alarm	4 hrs	Mon 15/05/23 09:13	Mon 15/05/23 13:43	1966	O Jacob,K Dijeng,L Majoo,Electrician1
1968		Service Stop/Start	0.25 hrs	Mon 15/05/23 13:43	Mon 15/05/23 13:58	1967	L Majoo,Electrician1
1969		Replace stainless steel box	1 hr	Mon 15/05/23 13:58	Mon 15/05/23 14:58	1968	L Majoo,Electrician1
1970		Check Motor Fan Condition & Terminal Connections	0.25 hrs	Mon 15/05/23 14:58	Mon 15/05/23 15:13	1969	L Majoo,Electrician1
1971		Confirm Correct Setting Of Protections	0.25 hrs	Mon 15/05/23 15:13	Mon 15/05/23 15:28	1970	L Majoo,Electrician1
1972		Check Cable Terminal Leads For Over Heating	0.5 hrs	Mon 15/05/23 15:28	Mon 15/05/23 15:58	1971	L Majoo,Electrician1
1973		Service lube oil pump auxiliary drive panel & motor	1 hr	Mon 15/05/23 15:58	Mon 15/05/23 16:58	1972	L Majoo,Electrician1
1974		Confirm Auxiliary Drive Protections Setting	0.25 hrs	Mon 15/05/23 16:58	Mon 15/05/23 17:13	1973	L Majoo,Electrician1
1975		Seal For Moisture And Dust.	0.25 hrs	Mon 15/05/23 17:13	Mon 15/05/23 17:28	1974	L Majoo,Electrician1
1976		Ensure circuit breaker spring charging circuit is working	2.5 hrs	Mon 15/05/23 17:28	Tue 16/05/23 08:58	1975	L Majoo,Electrician1
1977		Confirm charging circuit operation	0.5 hrs	Tue 16/05/23 08:58	Tue 16/05/23 09:28	1976	L Majoo,Electrician1
1978		Clear Permit And Electrical Clearence Certificate	0.25 hrs	Tue 16/05/23 09:28	Tue 16/05/23 09:43	1977	L Majoo,Electrician1
1979	**27A2GK01**	**# 2 PRIMARY CARBONATOR AGITATOR B - Carry out general electrical inspections**	**17.79 hrs**	**Tue 16/05/23 09:43**	**Wed 17/05/23 17:30**	**1959**	
1980		Make Out Permit	0.25 hrs	Tue 16/05/23 09:43	Tue 16/05/23 09:58		Operations
1981		Accept Permit	0.25 hrs	Tue 16/05/23 09:58	Tue 16/05/23 10:13	1980	L Majoo,Electrician1
1982		Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Tue 16/05/23 10:13	Tue 16/05/23 10:28	1981	L Majoo,Electrician1
1983		Carry Out Electrical Isolation	0.25 hrs	Tue 16/05/23 10:28	Tue 16/05/23 10:43	1982	L Majoo,Electrician1
1984		Disconnect auxilliary lube oil pump	1.5 hrs	Tue 16/05/23 10:43	Tue 16/05/23 12:43	1983	L Majoo,Electrician1
1985		Paint motor	2 hrs	Tue 16/05/23 12:43	Tue 16/05/23 14:43	1984	Painter 1
1986		Curing time	4 hrs	Tue 16/05/23 14:43	Tue 16/05/23 18:43	1985	
1987		Troubleshoot frequent stopping with no alarm	4 hrs	Wed 17/05/23 07:00	Wed 17/05/23 11:00	1986	O Jacob,K Dijeng,L Majoo,Electrician1
1988		Service Stop/Start	0.25 hrs	Wed 17/05/23 11:00	Wed 17/05/23 11:15	1987	L Majoo,Electrician1
1989		Check Motor Fan Condition & Terminal Connections	0.25 hrs	Wed 17/05/23 11:15	Wed 17/05/23 11:30	1988	L Majoo,Electrician1
1990		Confirm Correct Setting Of Protections	0.25 hrs	Wed 17/05/23 11:30	Wed 17/05/23 11:45	1989	L Majoo,Electrician1
1991		Check Cable Terminal Leads For Over Heating	0.5 hrs	Wed 17/05/23 11:45	Wed 17/05/23 12:45	1990	L Majoo,Electrician1
1992		Service Auxiliary Drive Panel & Motor	1 hr	Wed 17/05/23 12:45	Wed 17/05/23 13:45	1991	L Majoo,Electrician1
1993		Confirm Auxiliary Drive Protections Setting	0.25 hrs	Wed 17/05/23 13:45	Wed 17/05/23 14:00	1992	L Majoo,Electrician1
1994		Seal For Moisture And Dust.	0.25 hrs	Wed 17/05/23 14:00	Wed 17/05/23 14:15	1993	L Majoo,Electrician1
1995		Ensure circuit breaker spring charging circuit is working	2.5 hrs	Wed 17/05/23 14:15	Wed 17/05/23 16:45	1994	L Majoo,Electrician1
1996		Confirm charging circuit operation	0.5 hrs	Wed 17/05/23 16:45	Wed 17/05/23 17:15	1995	L Majoo,Electrician1
1997		Clear Permit And Electrical Clearence Certificate	0.25 hrs	Wed 17/05/23 17:15	Wed 17/05/23 17:30	1996	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1998	**27A2GA01A**	**# A PRIMARY CARBONATOR FEED PUMP - Carry out general electrical inspections**	**4.5 hrs**	**Wed 17/05/23 17:30**	**Thu 18/05/23 11:00**	**1979**	
1999		Make Out Permit	0.25 hrs	Wed 17/05/23 17:30	Wed 17/05/23 17:45		Operations
2000		Accept Permit	0.25 hrs	Wed 17/05/23 17:45	Wed 17/05/23 18:00	1999	L Majoo,Electrician1
2001		Carry Out Electrical Isolation	0.25 hrs	Thu 18/05/23 07:00	Thu 18/05/23 07:15	2000	L Majoo,Electrician1
2002		Check Loose Connections In The Panel	0.25 hrs	Thu 18/05/23 07:15	Thu 18/05/23 07:30	2001	L Majoo,Electrician1
2003		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Thu 18/05/23 07:30	Thu 18/05/23 07:45	2002	L Majoo,Electrician1
2004		Confirm Correct Setting Of Protections	0.25 hrs	Thu 18/05/23 07:45	Thu 18/05/23 08:00	2003	L Majoo,Electrician1
2005		Replace stop/start box with stainless steel	1 hr	Thu 18/05/23 08:00	Thu 18/05/23 09:00	2004	L Majoo,Electrician1
2006		Service Stop/Start	0.5 hrs	Thu 18/05/23 09:00	Thu 18/05/23 09:30	2005	L Majoo,Electrician1
2007		Check Motor Fan Condition	0.5 hrs	Thu 18/05/23 09:30	Thu 18/05/23 10:00	2006	L Majoo,Electrician1
2008		Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 18/05/23 10:00	Thu 18/05/23 10:15	2007	L Majoo,Electrician1
2009		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 18/05/23 10:15	Thu 18/05/23 10:30	2008	L Majoo,Electrician1
2010		Seal For Moisture And Dust.	0.25 hrs	Thu 18/05/23 10:30	Thu 18/05/23 10:45	2009	L Majoo,Electrician1
2011		Clear Permit	0.25 hrs	Thu 18/05/23 10:45	Thu 18/05/23 11:00	2010	L Majoo,Electrician1
2012	**27A2GA01B**	**# B PRIMARY CARBONATOR FEED PUMP - Carry out general electrical inspections**	**3.5 hrs**	**Thu 18/05/23 11:00**	**Thu 18/05/23 15:00**	**1998**	
2013		Make Out Permit	0.25 hrs	Thu 18/05/23 11:00	Thu 18/05/23 11:15		Operations
2014		Accept Permit	0.25 hrs	Thu 18/05/23 11:15	Thu 18/05/23 11:30	2013	L Majoo,Electrician1
2015		Carry Out Electrical Isolation	0.25 hrs	Thu 18/05/23 11:30	Thu 18/05/23 11:45	2014	L Majoo,Electrician1
2016		Check Loose Connections In The Panel	0.25 hrs	Thu 18/05/23 11:45	Thu 18/05/23 12:00	2015	L Majoo,Electrician1
2017		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Thu 18/05/23 12:30	Thu 18/05/23 12:45	2016	L Majoo,Electrician1
2018		Confirm Correct Setting Of Protections	0.25 hrs	Thu 18/05/23 12:45	Thu 18/05/23 13:00	2017	L Majoo,Electrician1
2019		Service Stop/Start	0.5 hrs	Thu 18/05/23 13:00	Thu 18/05/23 13:30	2018	L Majoo,Electrician1
2020		Check Motor Fan Condition	0.5 hrs	Thu 18/05/23 13:30	Thu 18/05/23 14:00	2019	L Majoo,Electrician1
2021		Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 18/05/23 14:00	Thu 18/05/23 14:15	2020	L Majoo,Electrician1
2022		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 18/05/23 14:15	Thu 18/05/23 14:30	2021	L Majoo,Electrician1
2023		Seal For Moisture And Dust.	0.25 hrs	Thu 18/05/23 14:30	Thu 18/05/23 14:45	2022	L Majoo,Electrician1
2024		Clear Permit	0.25 hrs	Thu 18/05/23 14:45	Thu 18/05/23 15:00	2023	L Majoo,Electrician1
2025	**27A2GK04**	**SECONDARY CARBONATOR AGITATOR - Carry out general electrical inspections**	**17.5 hrs**	**Fri 05/05/23 10:00**	**Sat 06/05/23 17:30**		
2026		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
2027		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	2026	L Majoo,Electrician1
2028		Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	2027	L Majoo,Electrician1
2029		Carry Out Electrical Isolation	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00	2028	L Majoo,Electrician1
2030		Disconnect auxilliary lube oil pump	1.5 hrs	Fri 05/05/23 11:00	Fri 05/05/23 13:00	2029	L Majoo,Electrician1
2031		Paint motor	2 hrs	Fri 05/05/23 13:00	Fri 05/05/23 15:00	2030	Painter 1
2032		Curing time	4 hrs	Fri 05/05/23 15:00	Fri 05/05/23 19:00	2031	
2033		Troubleshoot frequent stopping with no alarm	4 hrs	Sat 06/05/23 07:00	Sat 06/05/23 11:00	2032	Tebogo,O Jacob,K Dijeng,L Majoo,Electr
2034		Service Stop/Start	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	2033	L Majoo,Electrician1
2035		Check Motor Fan Condition & Terminal Connections	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	2034	L Majoo,Electrician1
2036		Confirm Correct Setting Of Protections	0.25 hrs	Sat 06/05/23 11:30	Sat 06/05/23 11:45	2035	L Majoo,Electrician1
2037		Check Cable Terminal Leads For Over Heating	0.5 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:45	2036	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2038		Service Auxiliary Drive Panel & Motor	1 hr	Sat 06/05/23 12:45	Sat 06/05/23 13:45	2037	L Majoo,Electrician1
2039		Confirm Auxiliary Drive Protections Setting	0.25 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:00	2038	L Majoo,Electrician1
2040		Seal For Moisture And Dust.	0.25 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:15	2039	L Majoo,Electrician1
2041		Ensure circuit breaker spring charging circuit is working	2.5 hrs	Sat 06/05/23 14:15	Sat 06/05/23 16:45	2040	L Majoo,Electrician1
2042		Confirm charging circuit operation	0.5 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:15	2041	L Majoo,Electrician1
2043		Clear Permit And Electrical Clearence Certificate	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	2042	L Majoo,Electrician1
2044		**INSTRUMENTATION**	**169.25 hrs**	**Fri 05/05/23 10:00**	**Sun 21/05/23 11:15**	**981**	
2045	**27A6PC001**	**CONDENSATE RETURN FROM SALT PLANT - Inspect valve**	**4 hrs**	**Fri 12/05/23 17:45**	**Sat 13/05/23 10:45**	**771**	
2046		Make out permit	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00		Operations
2047		Accept permit	0.25 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:15	2046	O Jacob,K Dijeng
2048		Inspect instruments	1 hr	Sat 13/05/23 07:15	Sat 13/05/23 08:15	2047	O Jacob,K Dijeng
2049		Inspect valve	1 hr	Sat 13/05/23 08:15	Sat 13/05/23 09:15	2048	O Jacob,K Dijeng
2050		Check calibration	1 hr	Sat 13/05/23 09:15	Sat 13/05/23 10:15	2049	O Jacob,K Dijeng
2051		Stroke check valve	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	2050	O Jacob,K Dijeng
2052		Clear permit	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	2051	O Jacob,K Dijeng
2053	**27A6PC014**	**OFF-GAS VALVE - overhaul valve**	**11 hrs**	**Sat 13/05/23 10:45**	**Sun 14/05/23 11:15**	**2045**	
2054		Make out permit	0.25 hrs	Sat 13/05/23 10:45	Sat 13/05/23 11:00		Operations
2055		Accept permit	0.25 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:15	2054	O Jacob,K Dijeng
2056		Disconnect instruments	1 hr	Sat 13/05/23 11:15	Sat 13/05/23 12:45	2055	O Jacob,K Dijeng
2057		Remove valve	3 hrs	Sat 13/05/23 12:45	Sat 13/05/23 15:45	2056	G Moeseraela,T Moloi,K Gabantogele,C
2058		Overhaul valve	3 hrs	Sat 13/05/23 15:45	Sun 14/05/23 07:45	2057	Aveng,O Jacob,K Dijeng
2059		Install valve	3 hrs	Sun 14/05/23 07:45	Sun 14/05/23 10:45	2058	G Moeseraela,T Moloi,K Gabantogele,C
2060		Stroke check valve	0.25 hrs	Sun 14/05/23 10:45	Sun 14/05/23 11:00	2059	O Jacob,K Dijeng
2061		Clear permit	0.25 hrs	Sun 14/05/23 11:00	Sun 14/05/23 11:15	2060	O Jacob,K Dijeng
2062	**27A6PC014**	**OFF-GAS VALVE - overhaul valve**	**11 hrs**	**Sun 14/05/23 11:15**	**Mon 15/05/23 11:45**	**2053**	
2063		Make out permit	0.25 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:30		Operations
2064		Accept permit	0.25 hrs	Sun 14/05/23 11:30	Sun 14/05/23 11:45	2063	O Jacob,K Dijeng
2065		Disconnect instruments	1 hr	Sun 14/05/23 11:45	Sun 14/05/23 13:15	2064	O Jacob,K Dijeng
2066		Remove valve	3 hrs	Sun 14/05/23 13:15	Sun 14/05/23 16:15	2065	G Moeseraela,T Moloi,K Gabantogele,C
2067		Overhaul valve	3 hrs	Sun 14/05/23 16:15	Mon 15/05/23 08:15	2066	Aveng,O Jacob,K Dijeng
2068		Install valve	3 hrs	Mon 15/05/23 08:15	Mon 15/05/23 11:15	2067	G Moeseraela,T Moloi,K Gabantogele,C
2069		Stroke check valve	0.25 hrs	Mon 15/05/23 11:15	Mon 15/05/23 11:30	2068	O Jacob,K Dijeng
2070		Clear permit	0.25 hrs	Mon 15/05/23 11:30	Mon 15/05/23 11:45	2069	O Jacob,K Dijeng
2071	**27A6LC007**	**CARBO FEED LEVEL CONTROL - Inspect valve**	**5.25 hrs**	**Mon 15/05/23 11:45**	**Mon 15/05/23 17:30**	**2062**	
2072		Make out permit	0.25 hrs	Mon 15/05/23 11:45	Mon 15/05/23 12:00		Operations
2073		Accept permit	0.25 hrs	Mon 15/05/23 12:30	Mon 15/05/23 12:45	2072	O Jacob,K Dijeng
2074		Inspect instruments	1 hr	Mon 15/05/23 12:45	Mon 15/05/23 13:45	2073	O Jacob,K Dijeng
2075		Inspect valve	2 hrs	Mon 15/05/23 13:45	Mon 15/05/23 15:45	2074	O Jacob,K Dijeng
2076		Check calibration	1 hr	Mon 15/05/23 15:45	Mon 15/05/23 16:45	2075	O Jacob,K Dijeng
2077		Stroke check valve	0.5 hrs	Mon 15/05/23 16:45	Mon 15/05/23 17:15	2076	O Jacob,K Dijeng
2078		Clear permit	0.25 hrs	Mon 15/05/23 17:15	Mon 15/05/23 17:30	2077	O Jacob,K Dijeng
2079	**27A6PC006**	**PRIMARY CARBONATOR A PRESSRE VALVE - remove & overhaul**	**11 hrs**	**Mon 15/05/23 17:30**	**Tue 16/05/23 18:00**	**2071**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2080			Erect scaffold (prior)	0 hrs	Mon 15/05/23 17:30	Mon 15/05/23 17:30		RSC Scaffolding
2081			Make out permit	0.25 hrs	Mon 15/05/23 17:30	Mon 15/05/23 17:45	2080	Operations
2082			Accept permit	0.25 hrs	Mon 15/05/23 17:45	Mon 15/05/23 18:00	2081	O Jacob,K Dijeng
2083			Disconnect instruments	1 hr	Tue 16/05/23 07:00	Tue 16/05/23 08:00	2082	O Jacob,K Dijeng
2084			Remove valve	2 hrs	Tue 16/05/23 08:00	Tue 16/05/23 10:00	2083	RSC Scaffolding,G Moeseraela,T Moloi,I
2085			Overhaul valve	3 hrs	Tue 16/05/23 10:00	Tue 16/05/23 13:30	2084	O Jacob,K Dijeng
2086			Install valve	4 hrs	Tue 16/05/23 13:30	Tue 16/05/23 17:30	2085	RSC Scaffolding,G Moeseraela,T Moloi,I
2087			Stroke check valve	0.25 hrs	Tue 16/05/23 17:30	Tue 16/05/23 17:45	2086	O Jacob,K Dijeng
2088			Clear permit	0.25 hrs	Tue 16/05/23 17:45	Tue 16/05/23 18:00	2087	O Jacob,K Dijeng
2089		**27A6PC008**	**PRIMARY CARBONATOR B PRESSURE VALVE - Remove & overhaul**	**9.5 hrs**	**Tue 16/05/23 18:00**	**Wed 17/05/23 17:00**	**2079**	
2090			Erect scaffold (prior)	0 hrs	Tue 16/05/23 18:00	Tue 16/05/23 18:00		RSC Scaffolding
2091			Make out permit	0.25 hrs	Tue 16/05/23 18:00	Tue 16/05/23 18:15	2090	Operations
2092			Accept permit	0.25 hrs	Wed 17/05/23 07:00	Wed 17/05/23 07:15	2091	O Jacob,K Dijeng
2093			Disconnect instruments	1 hr	Wed 17/05/23 07:15	Wed 17/05/23 08:15	2092	O Jacob,K Dijeng
2094			Remove valve	2 hrs	Wed 17/05/23 08:15	Wed 17/05/23 10:15	2093	RSC Scaffolding,G Moeseraela,T Moloi,I
2095			Overhaul valve	3 hrs	Wed 17/05/23 10:15	Wed 17/05/23 13:45	2094	O Jacob,K Dijeng
2096			Install valve	2.75 hrs	Wed 17/05/23 13:45	Wed 17/05/23 16:30	2095	RSC Scaffolding,G Moeseraela,T Moloi,I
2097			Stroke check valve	0.25 hrs	Wed 17/05/23 16:30	Wed 17/05/23 16:45	2096	O Jacob,K Dijeng
2098			Clear permit	0.25 hrs	Wed 17/05/23 16:45	Wed 17/05/23 17:00	2097	O Jacob,K Dijeng
2099		**27A6PC010**	**SECONDARY CARBONATOR PRESSURE VALVE - Remove & overhaul**	**9 hrs**	**Wed 17/05/23 17:00**	**Thu 18/05/23 15:30**	**2089**	
2100			Erect scaffold (prior)	0 hrs	Wed 17/05/23 17:00	Wed 17/05/23 17:00		RSC Scaffolding
2101			Make out permit	0.25 hrs	Wed 17/05/23 17:00	Wed 17/05/23 17:15	2100	Operations
2102			Accept permit	0.25 hrs	Wed 17/05/23 17:15	Wed 17/05/23 17:30	2101	O Jacob,K Dijeng
2103			Disconnect instruments	1 hr	Wed 17/05/23 17:30	Thu 18/05/23 07:30	2102	O Jacob,K Dijeng
2104			Remove valve	2 hrs	Thu 18/05/23 07:30	Thu 18/05/23 09:30	2103	RSC Scaffolding,G Moeseraela,T Moloi,I
2105			Overhaul valve	3 hrs	Thu 18/05/23 09:30	Thu 18/05/23 13:00	2104	O Jacob,K Dijeng
2106			Install valve	2 hrs	Thu 18/05/23 13:00	Thu 18/05/23 15:00	2105	RSC Scaffolding,G Moeseraela,T Moloi,I
2107			Stroke check valve	0.25 hrs	Thu 18/05/23 15:00	Thu 18/05/23 15:15	2106	O Jacob,K Dijeng
2108			Clear permit	0.25 hrs	Thu 18/05/23 15:15	Thu 18/05/23 15:30	2107	O Jacob,K Dijeng
2109		**27A6FC004**	**T-BRINE FLOW TO PRIMARY A - Remove and overhaul**	**8 hrs**	**Thu 18/05/23 15:30**	**Fri 19/05/23 13:00**	**2099**	
2110			Make out permit	0.25 hrs	Thu 18/05/23 15:30	Thu 18/05/23 15:45		Operations
2111			Accept permit	0.25 hrs	Thu 18/05/23 15:45	Thu 18/05/23 16:00	2110	O Jacob,K Dijeng
2112			Disconnect instruments	1 hr	Thu 18/05/23 16:00	Thu 18/05/23 17:00	2111	O Jacob,K Dijeng
2113			Remove valve	2 hrs	Thu 18/05/23 17:00	Fri 19/05/23 08:00	2112	G Moeseraela,T Moloi,K Gabantogele,C
2114			Inspect valve	2 hrs	Fri 19/05/23 08:00	Fri 19/05/23 10:00	2113	O Jacob,K Dijeng,G Kapenda,O Keamog
2115			Install valve	2 hrs	Fri 19/05/23 10:00	Fri 19/05/23 12:00	2114	G Moeseraela,T Moloi,K Gabantogele,C
2116			Stroke check valve	0.25 hrs	Fri 19/05/23 12:30	Fri 19/05/23 12:45	2115	O Jacob,K Dijeng
2117			Clear permit	0.25 hrs	Fri 19/05/23 12:45	Fri 19/05/23 13:00	2116	O Jacob,K Dijeng
2118		**27A6FC005**	**T-BRINE FLOW TO PRIMARY B - Remove and overhaul**	**10 hrs**	**Fri 19/05/23 13:00**	**Sat 20/05/23 12:00**	**2109**	
2119			Make out permit	0.25 hrs	Fri 19/05/23 13:00	Fri 19/05/23 13:15		Operations
2120			Accept permit	0.25 hrs	Fri 19/05/23 13:15	Fri 19/05/23 13:30	2119	O Jacob,K Dijeng
2121			Disconnect instruments	1 hr	Fri 19/05/23 13:30	Fri 19/05/23 14:30	2120	O Jacob,K Dijeng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2122		Remove valve	3 hrs	Fri 19/05/23 14:30	Fri 19/05/23 17:30	2121	G Moeseraela,T Moloi,K Gabantogele,C
2123		Inspect valve	3 hrs	Fri 19/05/23 17:30	Sat 20/05/23 09:30	2122	O Jacob,K Dijeng,G Kapenda,O Keamog
2124		Install valve	2 hrs	Sat 20/05/23 09:30	Sat 20/05/23 11:30	2123	G Moeseraela,T Moloi,K Gabantogele,C
2125		Stroke check valve	0.25 hrs	Sat 20/05/23 11:30	Sat 20/05/23 11:45	2124	O Jacob,K Dijeng
2126		Clear permit	0.25 hrs	Sat 20/05/23 11:45	Sat 20/05/23 12:00	2125	O Jacob,K Dijeng
2127	**27A6LC001**	**PRE-CARBONATOR LEVEL CONTROL VALVE - Remove and overhaul**	**9.75 hrs**	**Sat 20/05/23 12:00**	**Sun 21/05/23 11:15**	**2118**	
2128		Make out permit	0.25 hrs	Sat 20/05/23 12:00	Sat 20/05/23 12:15		Operations
2129		Accept permit	0.25 hrs	Sat 20/05/23 12:30	Sat 20/05/23 12:45	2128	O Jacob,K Dijeng
2130		Disconnect instruments	1 hr	Sat 20/05/23 12:45	Sat 20/05/23 13:45	2129	O Jacob,K Dijeng
2131		Remove valve	3 hrs	Sat 20/05/23 13:45	Sat 20/05/23 16:45	2130	G Moeseraela,T Moloi,K Gabantogele,C
2132		Inspect valve	3 hrs	Sat 20/05/23 16:45	Sun 21/05/23 08:45	2131	O Jacob,K Dijeng,G Kapenda,O Keamog
2133		Install valve	2 hrs	Sun 21/05/23 08:45	Sun 21/05/23 10:45	2132	G Moeseraela,T Moloi,K Gabantogele,C
2134		Stroke check valve	0.25 hrs	Sun 21/05/23 10:45	Sun 21/05/23 11:00	2133	O Jacob,K Dijeng
2135		Clear permit	0.25 hrs	Sun 21/05/23 11:00	Sun 21/05/23 11:15	2134	O Jacob,K Dijeng
2136	**27A6FC008**	**PRIMARY CARBONATOR A CO2 FLOW VALVE - remove & overhaul**	**11 hrs**	**Fri 05/05/23 10:00**	**Sat 06/05/23 10:30**		
2137		Make out permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
2138		Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	2137	O Jacob,K Dijeng
2139		Disconnect instruments	1 hr	Fri 05/05/23 10:30	Fri 05/05/23 11:30	2138	O Jacob,K Dijeng
2140		Remove valve	2.5 hrs	Fri 05/05/23 11:30	Fri 05/05/23 14:00	2139	RSC Scaffolding,G Kapenda,O Keamoge
2141		Overhaul valve	3 hrs	Fri 05/05/23 14:00	Fri 05/05/23 17:00	2140	O Jacob,K Dijeng
2142		Install valve	7 hrs	Fri 05/05/23 17:00	Sat 06/05/23 10:00	2141	RSC Scaffolding,G Kapenda,O Keamoge
2143		Stroke check valve	0.25 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:15	2142	O Jacob,K Dijeng
2144		Clear permit	0.25 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:30	2143	O Jacob,K Dijeng
2145	**27A6FC011**	**PRIMARY CARBONATOR B CO2 FLOW VALVE - Remove & overhaul**	**9.75 hrs**	**Sat 06/05/23 10:30**	**Sun 07/05/23 09:45**	**2136**	
2146		Make out permit	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45		Operations
2147		Accept permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	2146	O Jacob,K Dijeng
2148		Disconnect instruments	1 hr	Sat 06/05/23 11:00	Sat 06/05/23 12:00	2147	O Jacob,K Dijeng
2149		Remove valve	2.5 hrs	Sat 06/05/23 12:00	Sat 06/05/23 14:30	2148	RSC Scaffolding,G Kapenda,O Keamoge
2150		Overhaul valve	3 hrs	Sat 06/05/23 14:30	Sat 06/05/23 17:30	2149	O Jacob,K Dijeng
2151		Install valve	5 hrs	Sat 06/05/23 17:30	Sun 07/05/23 09:15	2150	RSC Scaffolding,G Kapenda,O Keamoge
2152		Stroke check valve	0.25 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:30	2151	O Jacob,K Dijeng
2153		Clear permit	0.25 hrs	Sun 07/05/23 09:30	Sun 07/05/23 09:45	2152	O Jacob,K Dijeng
2154	**27A6FC012**	**SECONDARY CARBONATOR CO2 FLOW VALVE - Remove & overhaul**	**9.75 hrs**	**Sun 07/05/23 09:45**	**Mon 08/05/23 09:00**	**2145**	
2155		Make out permit	0.25 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:00		Operations
2156		Accept permit	0.25 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:15	2155	O Jacob,K Dijeng
2157		Disconnect instruments	1 hr	Sun 07/05/23 10:15	Sun 07/05/23 11:15	2156	O Jacob,K Dijeng
2158		Remove valve	2.5 hrs	Sun 07/05/23 11:15	Sun 07/05/23 13:45	2157	RSC Scaffolding,G Kapenda,O Keamoge
2159		Overhaul valve	3 hrs	Sun 07/05/23 13:45	Sun 07/05/23 16:45	2158	O Jacob,K Dijeng
2160		Install valve	4.25 hrs	Sun 07/05/23 16:45	Mon 08/05/23 08:30	2159	RSC Scaffolding,G Kapenda,O Keamoge
2161		Stroke check valve	0.25 hrs	Mon 08/05/23 08:30	Mon 08/05/23 08:45	2160	O Jacob,K Dijeng
2162		Clear permit	0.25 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:00	2161	O Jacob,K Dijeng
2163	**27A6TC009**	**TRIM HEATER TEMP CONTROL VALVE - Remove and overhaul valve**	**10 hrs**	**Mon 08/05/23 09:00**	**Tue 09/05/23 08:30**	**2154**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2164		Make out permit	0.25 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:15		Operations
2165		Accept permit	0.25 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:30	2164	O Jacob,K Dijeng
2166		Disconnect instruments	1 hr	Mon 08/05/23 09:30	Mon 08/05/23 10:30	2165	O Jacob,K Dijeng
2167		Remove valve	3 hrs	Mon 08/05/23 10:30	Mon 08/05/23 14:00	2166	G Kapenda,O Keamogetswe,G Moesera
2168		Inspect valve	3 hrs	Mon 08/05/23 14:00	Mon 08/05/23 17:00	2167	G Kapenda,O Keamogetswe,O Jacob,K I
2169		Install valve	2 hrs	Mon 08/05/23 17:00	Tue 09/05/23 08:00	2168	G Kapenda,O Keamogetswe,G Moesera
2170		Stroke check valve	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	2169	O Jacob,K Dijeng
2171		Clear permit	0.25 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:30	2170	O Jacob,K Dijeng
2172	**27A6LC014**	**TRIM HEATER LEVEL CONTROL - Remove & overhaul**	**10 hrs**	**Fri 05/05/23 10:00**	**Sat 06/05/23 09:30**		
2173		Make out permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
2174		Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	2173	O Jacob,K Dijeng
2175		Disconnect instruments	1 hr	Fri 05/05/23 10:30	Fri 05/05/23 11:30	2174	O Jacob,K Dijeng
2176		Remove valve	3 hrs	Fri 05/05/23 11:30	Fri 05/05/23 15:00	2175	G Kapenda,O Keamogetswe,G Moesera
2177		Inspect valve	3 hrs	Fri 05/05/23 15:00	Fri 05/05/23 18:00	2176	G Kapenda,O Keamogetswe,O Jacob,K I
2178		Install valve	2 hrs	Sat 06/05/23 07:00	Sat 06/05/23 09:00	2177	G Kapenda,O Keamogetswe,G Moesera
2179		Stroke check valve	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15	2178	O Jacob,K Dijeng
2180		Clear permit	0.25 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:30	2179	O Jacob,K Dijeng
2181		**CIVILS JOBS**	**138 hrs**	**Wed 03/05/23 06:30**	**Tue 16/05/23 08:30**		
2182	**27A2DF02**	**PRIMARY CARBONATOR A - Renew staircase plaster**	**18.75 hrs**	**Wed 03/05/23 06:30**	**Thu 04/05/23 15:45**		
2183		Issue Permit To Work	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
2184		Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	2183	Seisa
2185		Carry out risk assessment	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	2184	Builders
2186		Re plaster the staircases	16 hrs	Wed 03/05/23 07:30	Thu 04/05/23 13:30	2185	Builders
2187		Housekeeping	2 hrs	Thu 04/05/23 13:30	Thu 04/05/23 15:30	2186	Builders
2188		Clear Permit To Work	0.25 hrs	Thu 04/05/23 15:30	Thu 04/05/23 15:45	2187	Operations,Seisa
2189	**27A2DF04**	**SECONDARY CARBONATOR - Repair carbonator base**	**52.25 hrs**	**Thu 04/05/23 15:45**	**Tue 09/05/23 15:30**	**2182**	
2190		Issue Permit To Work	0.25 hrs	Thu 04/05/23 15:45	Thu 04/05/23 16:00		Operations
2191		Accept permit	0.25 hrs	Thu 04/05/23 16:00	Thu 04/05/23 16:15	2190	Seisa
2192		Carry out risk assessment	0.25 hrs	Thu 04/05/23 16:15	Thu 04/05/23 16:30	2191	Builders
2193		Fix damaged base	8 hrs	Thu 04/05/23 16:30	Fri 05/05/23 14:00	2192	Builders
2194		Erect formwork	8 hrs	Fri 05/05/23 14:00	Sat 06/05/23 11:00	2193	Builders
2195		Cast concrete	12 hrs	Sat 06/05/23 11:00	Sun 07/05/23 13:00	2194	Builders
2196		Curing time	48 hrs	Sun 07/05/23 13:00	Tue 09/05/23 13:00	2195	
2197		Housekeeping	2 hrs	Tue 09/05/23 13:00	Tue 09/05/23 15:00	2196	Builders
2198		Clear Permit To Work	0.5 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:30	2197	Operations,Seisa
2199	**27A2DF01**	**LINE NEXT TO PRE-CARBONATOR - Recast support base**	**40 hrs**	**Tue 09/05/23 15:30**	**Sat 13/05/23 13:30**	**2189**	
2200		Issue Permit To Work	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45		Operations
2201		Accept permit	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	2200	Seisa
2202		Carry out risk assessment	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	2201	Builders
2203		Cast the support base to the existing	16 hrs	Tue 09/05/23 16:15	Thu 11/05/23 10:45	2202	Builders
2204		Curing time	48 hrs	Thu 11/05/23 10:45	Sat 13/05/23 10:45	2203	
2205		Housekeeping	2 hrs	Sat 13/05/23 10:45	Sat 13/05/23 13:15	2204	Builders

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2206		Clear Permit To Work	0.25 hrs	Sat 13/05/23 13:15	Sat 13/05/23 13:30	2205	Operations,Seisa
2207	**27B2GA04B**	**B PRE-CARBONATOR FEED PUMP - Repaint pump base**	**27 hrs**	**Sat 13/05/23 13:30**	**Tue 16/05/23 08:30**	**2199**	
2208		Issue Permit To Work	0.25 hrs	Sat 13/05/23 13:30	Sat 13/05/23 13:45		Operations
2209		Accept permit	0.25 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:00	2208	Semaswe
2210		Carry out risk assessment	0.25 hrs	Sat 13/05/23 14:00	Sat 13/05/23 14:15	2209	Fab. Workshop
2211		Sand blast south pump frame	6 hrs	Sat 13/05/23 14:15	Sun 14/05/23 09:15	2210	Fab. Workshop
2212		Paint frame	20 hrs	Sun 14/05/23 09:15	Tue 16/05/23 08:15	2211	Fab. Workshop
2213		Clear Permit To Work	0.25 hrs	Tue 16/05/23 08:15	Tue 16/05/23 08:30	2212	Operations,Semaswe
2214	**AREA 27B**	**CRYSTALLISATION**	**214.25 hrs**	**Wed 03/05/23 06:30**	**Tue 23/05/23 11:15**		
2215		**OPERATIONS**	**63 hrs**	**Wed 03/05/23 06:30**	**Mon 08/05/23 23:30**		
2216		**PLANT STOPPAGE**	**1.5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 08:30**		
2217		Stop plant and flush circuit	2 hrs	Wed 03/05/23 06:30	Wed 03/05/23 08:30		Operations
2218	**27B2FB01**	**# 1 CRYSTALISER - Clean The Tank**	**6.5 hrs**	**Sat 06/05/23 11:00**	**Sun 07/05/23 03:15**	**843**	
2219		Organize Hoses, Mops, Buckets And Brooms (Prior)	0 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:00		Operations
2220		Make Out Permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	2219	Operations
2221		Accept Permit	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	2220	G Kapenda,O Keamogetswe
2222		Drain Tank	2.5 hrs	Sat 06/05/23 11:30	Sat 06/05/23 14:00	2221	Operations
2223		Open Manhole Covers	3 hrs	Sat 06/05/23 14:00	Sat 06/05/23 17:00	2222	M-Crane 7Ton,G Moeseraela,T Moloi,K
2224		Clean Tank Internally	10 hrs	Sat 06/05/23 17:00	Sun 07/05/23 03:00	2223	Operations
2225		Clear Permit	0.25 hrs	Sun 07/05/23 03:00	Sun 07/05/23 03:15	2224	Operations
2226	**27B2FB02**	**# 2 CRYSTALISER - Clean The Tank**	**10.5 hrs**	**Sun 07/05/23 03:15**	**Sun 07/05/23 23:30**	**2218**	
2227		Organize Hoses, Mops, Buckets And Brooms (Prior)	0 hrs	Sun 07/05/23 03:15	Sun 07/05/23 03:15		Operations
2228		Make Out Permit	0.25 hrs	Sun 07/05/23 03:15	Sun 07/05/23 03:30	2227	Operations
2229		Accept Permit	0.25 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:15	2228	G Kapenda,O Keamogetswe
2230		Drain Tank	2.5 hrs	Sun 07/05/23 07:15	Sun 07/05/23 09:45	2229	Operations
2231		Open Manhole Covers	3 hrs	Sun 07/05/23 09:45	Sun 07/05/23 13:15	2230	G Kapenda,O Keamogetswe
2232		Clean Tank Internally	10 hrs	Sun 07/05/23 13:15	Sun 07/05/23 23:15	2231	Operations
2233		Clear Permit	0.25 hrs	Sun 07/05/23 23:15	Sun 07/05/23 23:30	2232	Operations
2234	**27B2FB03**	**# 3 CRYSTALISER - Clean The Tank**	**10.5 hrs**	**Sun 07/05/23 23:30**	**Mon 08/05/23 23:30**	**2226**	
2235		Organize Hoses, Mops, Buckets And Brooms (Prior)	0 hrs	Sun 07/05/23 23:30	Sun 07/05/23 23:30		Operations
2236		Make Out Permit	0.25 hrs	Sun 07/05/23 23:30	Sun 07/05/23 23:45	2235	Operations
2237		Accept Permit	0.25 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:15	2236	G Kapenda,O Keamogetswe
2238		Drain Tank	2.5 hrs	Mon 08/05/23 07:15	Mon 08/05/23 09:45	2237	Operations
2239		Open Manhole Covers	3 hrs	Mon 08/05/23 09:45	Mon 08/05/23 13:15	2238	G Kapenda,O Keamogetswe
2240		Clean Tank Internally	10 hrs	Mon 08/05/23 13:15	Mon 08/05/23 23:15	2239	Operations
2241		Clear Permit	0.25 hrs	Mon 08/05/23 23:15	Mon 08/05/23 23:30	2240	Operations
2242		**MAINTENANCE STARTS**	**0 hrs**	**Mon 08/05/23 23:30**	**Mon 08/05/23 23:30**	**2215**	
2243		Maintenance jobs commence	0 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:30		
2244		**MECHANICAL**	**151.25 hrs**	**Mon 08/05/23 23:30**	**Tue 23/05/23 11:15**	**2243**	
2245	**27B2GA02B**	**# 1 CRYSTALISER FEED PUMP B - Overhaul Pump**	**12 hrs**	**Mon 08/05/23 23:30**	**Wed 10/05/23 08:30**		
2246		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2247		Accept Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2246	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2248		Disconnect motor	0.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:45	2247	L Majoo
2249		Loosen Bolts	1.5 hrs	Tue 09/05/23 07:45	Tue 09/05/23 09:15	2248	G Kapenda,O Keamogetswe
2250		Remove Guard	0.5 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:45	2249	G Kapenda,O Keamogetswe
2251		Remove Pump	2 hrs	Tue 09/05/23 09:45	Tue 09/05/23 11:45	2250	M-Crane 7Ton,G Moeseraela,T Moloi,K
2252		Transport Pump To Workshop	0.5 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:45	2251	M-Crane 7Ton,G Moeseraela,T Moloi,K
2253		Strip Out And Overhaul Pump	6 hrs	Tue 09/05/23 12:45	Wed 10/05/23 07:45	2252	G Kapenda,O Keamogetswe
2254		Transport Pump To Plant	0.5 hrs	Wed 10/05/23 07:45	Wed 10/05/23 08:15	2253	G Moeseraela,T Moloi,K Gabantogele
2255		Clear Permit	0.25 hrs	Wed 10/05/23 08:15	Wed 10/05/23 08:30	2254	G Kapenda,O Keamogetswe
2256	**27B2GA02B**	**# 1 CRYSTALISER FEED PUMP B - Modify pump base**	**58 hrs**	**Mon 08/05/23 23:30**	**Sun 14/05/23 13:00**		
2257		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2258		Accept Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2257	Civils
2259		Cut old bolts	2 hrs	Tue 09/05/23 07:15	Tue 09/05/23 09:15	2258	M Ramatlhakeng,S Monna
2260		Break concrete plinth	6 hrs	Tue 09/05/23 09:15	Tue 09/05/23 15:45	2259	Civils
2261		Clean area	2 hrs	Tue 09/05/23 15:45	Tue 09/05/23 17:45	2260	Civils
2262		Core drill base mouting bolts	8 hrs	Tue 09/05/23 17:45	Wed 10/05/23 15:15	2261	Civils
2263		Position base, level and secure	4 hrs	Wed 10/05/23 15:15	Thu 11/05/23 08:15	2262	M-Crane 8Ton,G Moeseraela,T Moloi
2264		Cast concrete	8 hrs	Thu 11/05/23 08:15	Thu 11/05/23 16:45	2263	Civils
2265		Curing time	48 hrs	Thu 11/05/23 16:45	Sat 13/05/23 16:45	2264	
2266		Install pump	2 hrs	Sat 13/05/23 16:45	Sun 14/05/23 07:45	2265	M-Crane 8Ton,G Moeseraela,T Moloi
2267		Install motor	1 hr	Sun 14/05/23 07:45	Sun 14/05/23 08:45	2266	M-Crane 8Ton,G Moeseraela,T Moloi
2268		Connect motor and test direction	0.5 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:15	2267	L Majoo,Electrician1
2269		Couple and align	2 hrs	Sun 14/05/23 09:15	Sun 14/05/23 11:15	2268	G Kapenda,O Keamogetswe
2270		Replace Guard	0.5 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:45	2269	G Kapenda,O Keamogetswe
2271		Housekeeping	0.5 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:45	2270	Civils
2272		Clear permit	0.25 hrs	Sun 14/05/23 12:45	Sun 14/05/23 13:00	2271	Civils
2273	**27B2GA02A**	**# 1 CRYSTALISER FEED PUMP A - Carry Out Inspection**	**9.75 hrs**	**Wed 10/05/23 08:30**	**Thu 11/05/23 07:45**	**2245**	
2274		Make Out Permit	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45		Operations
2275		Accept Permit	0.25 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:00	2274	G Kapenda,O Keamogetswe
2276		Remove Guard	0.5 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:30	2275	G Kapenda,O Keamogetswe
2277		Inspect Coupling	1 hr	Wed 10/05/23 09:30	Wed 10/05/23 10:30	2276	G Kapenda,O Keamogetswe
2278		Check all mounting bolts	0.5 hrs	Wed 10/05/23 10:30	Wed 10/05/23 11:00	2277	G Kapenda,O Keamogetswe
2279		Check condition of the base	1 hr	Wed 10/05/23 11:00	Wed 10/05/23 12:00	2278	G Kapenda,O Keamogetswe
2280		Check all flanges both discharge& suction	0.5 hrs	Wed 10/05/23 12:30	Wed 10/05/23 13:00	2279	G Kapenda,O Keamogetswe
2281		Inspect all belows	1 hr	Wed 10/05/23 13:00	Wed 10/05/23 14:00	2280	G Kapenda,O Keamogetswe
2282		Drain & Refill Oil	1 hr	Wed 10/05/23 14:00	Wed 10/05/23 15:00	2281	G Kapenda,O Keamogetswe
2283		Repack glands	1 hr	Wed 10/05/23 15:00	Wed 10/05/23 16:00	2282	G Kapenda,O Keamogetswe
2284		Carry Out or cross check Laser Alignment	2 hrs	Wed 10/05/23 16:00	Wed 10/05/23 18:00	2283	Reliability
2285		Replace Guard	0.5 hrs	Thu 11/05/23 07:00	Thu 11/05/23 07:30	2284	G Kapenda,O Keamogetswe
2286		Clear Permit	0.25 hrs	Thu 11/05/23 07:30	Thu 11/05/23 07:45	2285	G Kapenda,O Keamogetswe
2287	**28B2EA01**	**# 4 HEAT EXCHANGER - Replace welded pack**	**19 hrs**	**Tue 09/05/23 07:00**	**Wed 10/05/23 16:00**		
2288		Make Out Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15		G Kapenda,O Keamogetswe
2289		Accept Permit	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	2288	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2290		Carry out risk assessment	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	2289	G Kapenda,O Keamogetswe
2291		Undo inlet pipe bolts	1 hr	Tue 09/05/23 07:45	Tue 09/05/23 08:45	2290	G Kapenda,O Keamogetswe
2292		Rig out inlet pipes	1 hr	Tue 09/05/23 08:45	Tue 09/05/23 09:45	2291	M_Crane7T,G Moeseraela,K Gabantoge
2293		Undo end cover bolts	4 hrs	Tue 09/05/23 09:45	Tue 09/05/23 14:15	2292	G Kapenda,O Keamogetswe
2294		Rig out end cover	1 hr	Tue 09/05/23 14:15	Tue 09/05/23 15:15	2293	M_Crane7T,G Moeseraela,K Gabantoge
2295		Rig in weldedpack	2 hrs	Tue 09/05/23 15:15	Tue 09/05/23 17:15	2294	M_Crane7T,G Moeseraela,K Gabantoge
2296		Rig in end cover	2 hrs	Tue 09/05/23 17:15	Wed 10/05/23 08:15	2295	M_Crane7T,G Moeseraela,K Gabantoge
2297		Bolt up and tighten bolts	4 hrs	Wed 10/05/23 08:15	Wed 10/05/23 12:45	2296	G Kapenda,O Keamogetswe
2298		Rig in inlet pipes	1 hr	Wed 10/05/23 12:45	Wed 10/05/23 13:45	2297	M_Crane7T,G Moeseraela,K Gabantoge
2299		Bolt up and tighten bolts	1 hr	Wed 10/05/23 13:45	Wed 10/05/23 14:45	2298	G Kapenda,O Keamogetswe
2300		Carry out housekeeping	1 hr	Wed 10/05/23 14:45	Wed 10/05/23 15:45	2299	G Kapenda,O Keamogetswe
2301		Clear permit	0.25 hrs	Wed 10/05/23 15:45	Wed 10/05/23 16:00	2300	G Kapenda,O Keamogetswe
2302	**27B2FB01**	**# 1 CRYSTALISER TANK - Perform Spark Test And Inspections**	**54.75 hrs**	**Mon 08/05/23 23:30**	**Sun 14/05/23 09:15**	**2234**	
2303		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2304		Accept Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2303	G Kapenda,O Keamogetswe
2305		Open Manhole Covers	1.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 08:45	2304	M-Crane 7Ton,G Moeseraela,T Moloi,K
2306		Complete Gas Analysis Test	0.5 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:15	2305	Lab
2307		Obtain Vessel Entry Permit	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30	2306	G Kapenda,O Keamogetswe
2308		Carry out decontamination protocol	6 hrs	Tue 09/05/23 09:30	Tue 09/05/23 16:00	2307	Nicholas
2309		Clean And Dry Floor	20 hrs	Tue 09/05/23 16:00	Wed 10/05/23 12:00	2308	Operations
2310		Build Movable Scaffold (Scaffolding 8 Meter High)	8 hrs	Wed 10/05/23 12:00	Wed 10/05/23 20:00	2309	RSC Scaffolding
2311		Spark Test	8 hrs	Wed 10/05/23 20:00	Thu 11/05/23 04:00	2310,1232	Corrocoat
2312		Inspect Fibreglass Lining And Repair Damaged Areas	6 hrs	Thu 11/05/23 04:00	Thu 11/05/23 10:00	2311	Corrocoat
2313		Repair Fibreglass If Required	8 hrs	Thu 11/05/23 10:00	Thu 11/05/23 18:00	2312	Corrocoat
2314		Inspect agitator blade bolts for security	8 hrs	Thu 11/05/23 18:00	Fri 12/05/23 11:00	2313	Corrocoat,G Kapenda,O Keamogetswe
2315		Remove Scaffold	4 hrs	Fri 12/05/23 11:00	Fri 12/05/23 15:30	2314	G Moeseraela,T Moloi,K Gabantogele
2316		Inspect Gearbox	3 hrs	Fri 12/05/23 15:30	Sat 13/05/23 07:30	2315	G Kapenda,O Keamogetswe
2317		Check Gearbox Oil	2 hrs	Sat 13/05/23 07:30	Sat 13/05/23 09:30	2316	G Kapenda,O Keamogetswe
2318		Remove decontamination controls	6 hrs	Sat 13/05/23 09:30	Sat 13/05/23 16:00	2317	Nicholas
2319		Box Up Manhole Covers	4 hrs	Sat 13/05/23 16:00	Sun 14/05/23 09:00	2318	M-Crane 7Ton,G Moeseraela,T Moloi,K
2320		Clear Permits	0.25 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:15	2319	G Kapenda,O Keamogetswe
2321	**27B2FB01**	**# 1 CRYSTALISER AGITATOR - Inspect Gear box**	**10.25 hrs**	**Mon 08/05/23 23:30**	**Tue 09/05/23 17:45**		
2322		Clean the area(prior)	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2323		Make out permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2322	G Kapenda,O Keamogetswe
2324		Accept permit to work	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	2323	G Kapenda,O Keamogetswe
2325		Carry out risk assesment	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	2324	G Kapenda,O Keamogetswe
2326		Loosen and remove the motor/gearbox coupling guard	1 hr	Tue 09/05/23 07:45	Tue 09/05/23 08:45	2325	G Kapenda,O Keamogetswe
2327		Inspect coupling	0.25 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:00	2326	G Kapenda,O Keamogetswe
2328		Drain oil	2 hrs	Tue 09/05/23 09:00	Tue 09/05/23 11:00	2327	G Kapenda,O Keamogetswe
2329		Inspect and service gearbox	1 hr	Tue 09/05/23 11:00	Tue 09/05/23 12:00	2328	G Kapenda,O Keamogetswe
2330		Re fill oil and replace filter cartridge	2 hrs	Tue 09/05/23 12:30	Tue 09/05/23 14:30	2329	G Kapenda,O Keamogetswe
2331		Repack stuffing box	2 hrs	Tue 09/05/23 14:30	Tue 09/05/23 16:30	2330	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2332		Replace guard	1 hr	Tue 09/05/23 16:30	Tue 09/05/23 17:30	2331	G Kapenda,O Keamogetswe
2333		Clear permit	0.25 hrs	Tue 09/05/23 17:30	Tue 09/05/23 17:45	2332	G Kapenda,O Keamogetswe
2334	**27B2GA01A**	**# 2 CRYSTALISER FEED PUMP A - Carry Out Inspection**	**9.5 hrs**	**Mon 08/05/23 23:30**	**Tue 09/05/23 17:00**		
2335		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2336		Accept Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2335	G Kapenda,O Keamogetswe
2337		Remove Guard	0.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:45	2336	G Kapenda,O Keamogetswe
2338		Inspect Coupling	1 hr	Tue 09/05/23 07:45	Tue 09/05/23 08:45	2337	G Kapenda,O Keamogetswe
2339		Check all mounting bolts	0.5 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:15	2338	G Kapenda,O Keamogetswe
2340		Check condition of the base	1 hr	Tue 09/05/23 09:15	Tue 09/05/23 10:15	2339	G Kapenda,O Keamogetswe
2341		Check all flanges both discharge& suction	0.5 hrs	Tue 09/05/23 10:15	Tue 09/05/23 10:45	2340	G Kapenda,O Keamogetswe
2342		Inspect all belows	1 hr	Tue 09/05/23 10:45	Tue 09/05/23 11:45	2341	G Kapenda,O Keamogetswe
2343		Drain& Refill Oil	1 hr	Tue 09/05/23 11:45	Tue 09/05/23 13:15	2342	G Kapenda,O Keamogetswe
2344		Repack glands	1 hr	Tue 09/05/23 13:15	Tue 09/05/23 14:15	2343	G Kapenda,O Keamogetswe
2345		Carry Out or cross check Laser Alignment	2 hrs	Tue 09/05/23 14:15	Tue 09/05/23 16:15	2344	Reliability
2346		Replace Guard	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	2345	G Kapenda,O Keamogetswe
2347		Clear Permit	0.25 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:00	2346	G Kapenda,O Keamogetswe
2348	**27B2GA01B**	**# 2 CRYSTALISER FEED PUMP B - Overhaul Pump**	**16.75 hrs**	**Tue 09/05/23 17:45**	**Thu 11/05/23 13:30**	**2321**	
2349		Make Out Permit	0.25 hrs	Tue 09/05/23 17:45	Tue 09/05/23 18:00		Operations
2350		Accept Permit	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	2349	G Kapenda,O Keamogetswe
2351		Loosen Bolts	1.5 hrs	Wed 10/05/23 07:15	Wed 10/05/23 08:45	2350	G Kapenda,O Keamogetswe
2352		Remove Guard	0.5 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:15	2351	G Kapenda,O Keamogetswe
2353		Remove Pump	2 hrs	Wed 10/05/23 09:15	Wed 10/05/23 11:15	2352	M-Crane 7Ton,G Moeseraela,T Moloi,K
2354		Transport Pump To Workshop	0.5 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:45	2353	M-Crane 7Ton,G Moeseraela,K Gabant
2355		Strip Out And Overhaul Pump	6 hrs	Wed 10/05/23 11:45	Thu 11/05/23 07:15	2354	G Kapenda,O Keamogetswe
2356		Transport Pump To Plant	0.5 hrs	Thu 11/05/23 07:15	Thu 11/05/23 07:45	2355	G Moeseraela,T Moloi,K Gabantogele
2357		Install And Secure Pump	2 hrs	Thu 11/05/23 07:45	Thu 11/05/23 09:45	2356	M-Crane 7Ton,G Moeseraela,T Moloi,K
2358		Align Pump	2 hrs	Thu 11/05/23 09:45	Thu 11/05/23 11:45	2357	Reliability,G Kapenda,O Keamogetswe
2359		Replace Guard	0.5 hrs	Thu 11/05/23 11:45	Thu 11/05/23 12:45	2358	G Kapenda,O Keamogetswe
2360		Test Run Pump	0.5 hrs	Thu 11/05/23 12:45	Thu 11/05/23 13:15	2359	Operations
2361		Clear Permit	0.25 hrs	Thu 11/05/23 13:15	Thu 11/05/23 13:30	2360	G Kapenda,O Keamogetswe
2362	**27B2FB02**	**# 2 CRYSTALISER TANK - Perform Spark Test And Inspections**	**140.75 hrs**	**Mon 08/05/23 23:30**	**Mon 22/05/23 11:15**		
2363		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2364		Accept Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2363	G Kapenda,O Keamogetswe
2365		Open Manhole Covers	1.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 08:45	2364	M-Crane 7Ton,G Moeseraela,T Moloi,K
2366		Carry out decontamination protocol	6 hrs	Tue 09/05/23 08:45	Tue 09/05/23 15:15	2365	Nicholas
2367		Complete Gas Analysis Test	0.5 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:45	2366	Lab
2368		Obtain Vessel Entry Permit	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	2367	G Kapenda,O Keamogetswe
2369		Clean And Dry Floor	20 hrs	Tue 09/05/23 16:00	Wed 10/05/23 12:00	2368	Operations
2370		Build Movable Scaffold (Scaffolding 8 Meter High)	8 hrs	Wed 10/05/23 12:00	Wed 10/05/23 20:00	2369	RSC Scaffolding
2371		Spark Test	8 hrs	Tue 16/05/23 07:00	Tue 16/05/23 15:00	2370,1387	Corrocoat
2372		Inspect Fibreglass Lining And Repair Damaged Areas	6 hrs	Tue 16/05/23 15:00	Tue 16/05/23 21:00	2371	Corrocoat
2373		Repair Fibreglass If Required	8 hrs	Tue 16/05/23 21:00	Wed 17/05/23 05:00	2372	Corrocoat

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2374		Remove Scaffold	4 hrs	Wed 17/05/23 07:00	Wed 17/05/23 11:00	2373	G Moeseraela,T Moloi,K Gabantogele
2375		Inspect Agitator & Repair Rubberlining If Necessary	51 hrs	Wed 17/05/23 11:00	Sat 20/05/23 17:30	2374	Corrocoat,G Kapenda,O Keamogetswe
2376		Inspect Gearbox	3 hrs	Sat 20/05/23 17:30	Sun 21/05/23 09:30	2375	G Kapenda,O Keamogetswe
2377		Check Gearbox Oil	2 hrs	Sun 21/05/23 09:30	Sun 21/05/23 11:30	2376	G Kapenda,O Keamogetswe
2378		Remove decontamination controls	6 hrs	Sun 21/05/23 11:30	Sun 21/05/23 18:00	2377	Nicholas
2379		Box Up Manhole Covers	4 hrs	Mon 22/05/23 07:00	Mon 22/05/23 11:00	2378	M-Crane 7Ton,G Moeseraela,T Moloi,K
2380		Clear Permits	0.25 hrs	Mon 22/05/23 11:00	Mon 22/05/23 11:15	2379	G Kapenda,O Keamogetswe
2381	**27B2FB02**	**# 2 CRYSTALISER TANK 2 - Repair Base**	**55.5 hrs**	**Mon 08/05/23 23:30**	**Sun 14/05/23 10:00**		
2382		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2383		Accept Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2382	Civil (Carb)
2384		Breaking Concrete	12 hrs	Tue 09/05/23 07:15	Wed 10/05/23 08:45	2383	Civil (Carb)
2385		Shuttering	12 hrs	Wed 10/05/23 08:45	Thu 11/05/23 10:15	2384	Civil (Carb)
2386		Casting Concrete	8 hrs	Thu 11/05/23 10:15	Fri 12/05/23 07:45	2385	Civil (Carb)
2387		Curing time	48 hrs	Fri 12/05/23 07:45	Sun 14/05/23 07:45	2386	
2388		House Keeping	2 hrs	Sun 14/05/23 07:45	Sun 14/05/23 09:45	2387	Civil (Carb)
2389		Clear Permit	0.25 hrs	Sun 14/05/23 09:45	Sun 14/05/23 10:00	2388	Civil (Carb)
2390	**27B2FB02**	**# 2 CRYSTALISER AGITATOR - Inspect Gear box**	**10.5 hrs**	**Thu 11/05/23 13:30**	**Fri 12/05/23 13:30**	**2348**	
2391		Clean the area(prior)	0.25 hrs	Thu 11/05/23 13:30	Thu 11/05/23 13:45		Operations
2392		Make out permit	0.25 hrs	Thu 11/05/23 13:45	Thu 11/05/23 14:00	2391	G Kapenda,O Keamogetswe
2393		Accept permit to work	0.25 hrs	Thu 11/05/23 14:00	Thu 11/05/23 14:15	2392	G Kapenda,O Keamogetswe
2394		Carry out risk assesment	0.25 hrs	Thu 11/05/23 14:15	Thu 11/05/23 14:30	2393	G Kapenda,O Keamogetswe
2395		Loosen and remove the motor/gearbox coupling guard	1 hr	Thu 11/05/23 14:30	Thu 11/05/23 15:30	2394	G Kapenda,O Keamogetswe
2396		Inspect coupling	0.25 hrs	Thu 11/05/23 15:30	Thu 11/05/23 15:45	2395	G Kapenda,O Keamogetswe
2397		Drain oil	2 hrs	Thu 11/05/23 15:45	Thu 11/05/23 17:45	2396	G Kapenda,O Keamogetswe
2398		Inspect and service gearbox	1 hr	Thu 11/05/23 17:45	Fri 12/05/23 07:45	2397	G Kapenda,O Keamogetswe
2399		Re fill oil and replace filter cartridge	2 hrs	Fri 12/05/23 07:45	Fri 12/05/23 09:45	2398	G Kapenda,O Keamogetswe
2400		Repack stuffing box	2 hrs	Fri 12/05/23 09:45	Fri 12/05/23 11:45	2399	G Kapenda,O Keamogetswe
2401		Replace guard	1 hr	Fri 12/05/23 11:45	Fri 12/05/23 13:15	2400	G Kapenda,O Keamogetswe
2402		Clear permit	0.25 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:30	2401	G Kapenda,O Keamogetswe
2403	**27B2GA02A**	**# 3 CRYSTALISER FEED PUMP A - Carry Out Inspection**	**9.75 hrs**	**Fri 12/05/23 13:30**	**Sat 13/05/23 12:45**	**2390**	
2404		Make Out Permit	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45		Operations
2405		Accept Permit	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	2404	G Kapenda,O Keamogetswe
2406		Remove Guard	0.5 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:30	2405	G Kapenda,O Keamogetswe
2407		Inspect Coupling	1 hr	Fri 12/05/23 14:30	Fri 12/05/23 15:30	2406	G Kapenda,O Keamogetswe
2408		Check all mounting bolts	0.5 hrs	Fri 12/05/23 15:30	Fri 12/05/23 16:00	2407	G Kapenda,O Keamogetswe
2409		Check condition of the base	1 hr	Fri 12/05/23 16:00	Fri 12/05/23 17:00	2408	G Kapenda,O Keamogetswe
2410		Check all flanges both discharge& suction	0.5 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:30	2409	G Kapenda,O Keamogetswe
2411		Inspect all belows	1 hr	Fri 12/05/23 17:30	Sat 13/05/23 07:30	2410	G Kapenda,O Keamogetswe
2412		Drain & Refill Oil	1 hr	Sat 13/05/23 07:30	Sat 13/05/23 08:30	2411	G Kapenda,O Keamogetswe
2413		Repack glands	1 hr	Sat 13/05/23 08:30	Sat 13/05/23 09:30	2412	G Kapenda,O Keamogetswe
2414		Carry Out or cross check Laser Alignment	2 hrs	Sat 13/05/23 09:30	Sat 13/05/23 11:30	2413	Reliability
2415		Replace Guard	0.5 hrs	Sat 13/05/23 11:30	Sat 13/05/23 12:00	2414	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2416		Clear Permit	0.25 hrs	Sat 13/05/23 12:30	Sat 13/05/23 12:45	2415	G Kapenda,O Keamogetswe
2417	**27B2GA02B**	**# 3 CRYSTALISER FEEDPUMP B - Overhaul Pump**	**16.75 hrs**	**Sat 13/05/23 12:45**	**Mon 15/05/23 08:00**	**2403**	
2418		Make Out Permit	0.25 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:00		Operations
2419		Accept Permit	0.25 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:15	2418	G Kapenda,O Keamogetswe
2420		Loosen Bolts	1.5 hrs	Sat 13/05/23 13:15	Sat 13/05/23 14:45	2419	G Kapenda,O Keamogetswe
2421		Remove Guard	0.5 hrs	Sat 13/05/23 14:45	Sat 13/05/23 15:15	2420	G Kapenda,O Keamogetswe
2422		Remove Pump	2 hrs	Sat 13/05/23 15:15	Sat 13/05/23 17:15	2357,2421	M-Crane 7Ton,G Moeseraela,T Moloi,K
2423		Transport Pump To Workshop	0.5 hrs	Sat 13/05/23 17:15	Sat 13/05/23 17:45	2422	M-Crane 7Ton,G Moeseraela,K Gabant
2424		Strip Out And Overhaul Pump	6 hrs	Sat 13/05/23 17:45	Sun 14/05/23 13:15	2423	G Kapenda,O Keamogetswe
2425		Transport Pump To Plant	0.5 hrs	Sun 14/05/23 13:15	Sun 14/05/23 13:45	2424	G Moeseraela,T Moloi,K Gabantogele
2426		Install And Secure Pump	2 hrs	Sun 14/05/23 13:45	Sun 14/05/23 15:45	2425	M-Crane 7Ton,G Moeseraela,T Moloi,K
2427		Align Pump	2 hrs	Sun 14/05/23 15:45	Sun 14/05/23 17:45	2426	Reliability,O Keamogetswe,G Kapenda
2428		Replace Guard	0.5 hrs	Sun 14/05/23 17:45	Mon 15/05/23 07:15	2427	G Kapenda,O Keamogetswe
2429		Test Run Pump	0.5 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:45	2428	Operations
2430		Clear Permit	0.25 hrs	Mon 15/05/23 07:45	Mon 15/05/23 08:00	2429	G Kapenda,O Keamogetswe
2431	**27B2EA07**	**# 7 HEAT EXCHANGER - Inspect & Replace Deffective Gaskets and plates**	**26.25 hrs**	**Mon 08/05/23 23:30**	**Thu 11/05/23 12:45**		
2432		Cleaning (prior)	0 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:30		Operations
2433		Fabricate cross beam (prior)	0 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:30	2432	M Ramatlhakeng,S Monna
2434		Make up permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2433	G Kapenda,O Keamogetswe
2435		Accept permit	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	2434	G Kapenda,O Keamogetswe
2436		Open Heat Exchanger	4 hrs	Tue 09/05/23 07:30	Tue 09/05/23 11:30	2435	G Kapenda,O Keamogetswe
2437		Clean plates	4 hrs	Tue 09/05/23 11:30	Tue 09/05/23 15:30	2436	Operations
2438		Replace cross beam	6 hrs	Tue 09/05/23 15:30	Wed 10/05/23 10:30	2437	Brod,M Ramatlhakeng,S Monna,G Kape
2439		Inspect plates	4 hrs	Wed 10/05/23 10:30	Wed 10/05/23 15:00	2438	G Kapenda,O Keamogetswe
2440		Replace gaskets	4 hrs	Wed 10/05/23 15:00	Thu 11/05/23 08:00	2439	G Kapenda,O Keamogetswe
2441		Box up	4 hrs	Thu 11/05/23 08:00	Thu 11/05/23 12:00	2440	G Kapenda,O Keamogetswe
2442		Clear permit	0.25 hrs	Thu 11/05/23 12:30	Thu 11/05/23 12:45	2441	G Kapenda,O Keamogetswe
2443	**27B2EA07**	**# 7 HEAT EXCHANGER - Replace butterfly with a knifegate valve**	**10.75 hrs**	**Wed 17/05/23 09:30**	**Thu 18/05/23 09:45**	**2476**	
2444		Erect scaffolding prior	0 hrs	Wed 17/05/23 09:30	Wed 17/05/23 09:30		RSC Scaffolding
2445		Make out permit	0.25 hrs	Wed 17/05/23 09:30	Wed 17/05/23 09:45	2444	Operations
2446		Accept permit	0.25 hrs	Wed 17/05/23 09:45	Wed 17/05/23 10:00	2445	G Kapenda,O Keamogetswe
2447		Carry out risk assement	0.25 hrs	Wed 17/05/23 10:00	Wed 17/05/23 10:15	2446	G Kapenda,O Keamogetswe
2448		Ensure valve is in closed position	0.25 hrs	Wed 17/05/23 10:15	Wed 17/05/23 10:30	2447	G Kapenda,O Keamogetswe
2449		Loosen & remove all securing bolts	2 hrs	Wed 17/05/23 10:30	Wed 17/05/23 13:00	2448	G Kapenda,O Keamogetswe
2450		Rig out old valve	1 hr	Wed 17/05/23 13:00	Wed 17/05/23 14:00	2449	Crane,G Moeseraela,T Moloi,K Gabant
2451		Rig in new valve	2 hrs	Wed 17/05/23 14:00	Wed 17/05/23 16:00	2450	Crane,G Moeseraela,T Moloi,K Gabant
2452		Replace all bolts	2 hrs	Wed 17/05/23 16:00	Wed 17/05/23 18:00	2451	G Kapenda,O Keamogetswe
2453		Tighten all bolts in correct sequence	2 hrs	Thu 18/05/23 07:00	Thu 18/05/23 09:00	2452	G Kapenda,O Keamogetswe
2454		Housekeeping	0.5 hrs	Thu 18/05/23 09:00	Thu 18/05/23 09:30	2453	G Kapenda,O Keamogetswe
2455		Clear permit	0.25 hrs	Thu 18/05/23 09:30	Thu 18/05/23 09:45	2454	G Kapenda,O Keamogetswe
2456		Dismantle scaffolding	0 hrs	Thu 18/05/23 09:45	Thu 18/05/23 09:45	2455	RSC Scaffolding
2457	**27B2FB02**	**# 3 CRYSTALISER TANK - Perform Spark Test And Inspections**	**151.25 hrs**	**Mon 08/05/23 23:30**	**Tue 23/05/23 11:15**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2458		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2459		Accept Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15		G Kapenda,O Keamogetswe
2460		Open Manhole Covers	1.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 08:45	2459	M-Crane 7Ton,G Moeseraela,T Moloi,K
2461		Carry out decontamination protocol	6 hrs	Tue 09/05/23 08:45	Tue 09/05/23 15:15	2460	Nicholas
2462		Complete Gas Analysis Test	0.5 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:45	2461	Lab
2463		Obtain Vessel Entry Permit	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	2462	G Kapenda,O Keamogetswe
2464		Clean And Dry Floor	20 hrs	Tue 09/05/23 16:00	Wed 10/05/23 12:00	2463	Operations
2465		Build Movable Scaffold (Scaffolding 8 Meter High)	8 hrs	Wed 10/05/23 12:00	Wed 10/05/23 20:00	2464	RSC Scaffolding
2466		Spark Test	8 hrs	Wed 17/05/23 05:00	Wed 17/05/23 13:00	2465,2373	Corrocoat
2467		Inspect Fibreglass Lining And Repair Damaged Areas	6 hrs	Wed 17/05/23 13:00	Wed 17/05/23 19:00	2466	Corrocoat
2468		Repair Fibreglass If Required	8 hrs	Wed 17/05/23 19:00	Thu 18/05/23 03:00	2467	Corrocoat
2469		Remove Scaffold	4 hrs	Thu 18/05/23 07:00	Thu 18/05/23 11:00	2468	G Moeseraela,T Moloi,K Gabantogele
2470		Inspect Agitator & Repair Rubberlining If Necessary	51 hrs	Thu 18/05/23 11:00	Sun 21/05/23 17:30	2469	Corrocoat,G Kapenda,O Keamogetswe
2471		Inspect Gearbox	3 hrs	Sun 21/05/23 17:30	Mon 22/05/23 09:30	2470	G Kapenda,O Keamogetswe
2472		Check Gearbox Oil	2 hrs	Mon 22/05/23 09:30	Mon 22/05/23 11:30	2471	G Kapenda,O Keamogetswe
2473		Remove decontamination controls	6 hrs	Mon 22/05/23 11:30	Mon 22/05/23 18:00	2472	Nicholas
2474		Box Up Manhole Covers	4 hrs	Tue 23/05/23 07:00	Tue 23/05/23 11:00	2473	M-Crane 7Ton,G Moeseraela,T Moloi,K
2475		Clear Permits	0.25 hrs	Tue 23/05/23 11:00	Tue 23/05/23 11:15	2474	G Kapenda,O Keamogetswe
2476	**27B2GK03**	**# 3 CRYSTALISER AGITATOR - Inspect Gear box**	**10.5 hrs**	**Tue 16/05/23 09:30**	**Wed 17/05/23 09:30**	**2556**	
2477		Clean the area(prior)	0.25 hrs	Tue 16/05/23 09:30	Tue 16/05/23 09:45		Operations
2478		Make out permit	0.25 hrs	Tue 16/05/23 09:45	Tue 16/05/23 10:00	2477	G Kapenda,O Keamogetswe
2479		Accept permit to work	0.25 hrs	Tue 16/05/23 10:00	Tue 16/05/23 10:15	2478	G Kapenda,O Keamogetswe
2480		Carry out risk assesment	0.25 hrs	Tue 16/05/23 10:15	Tue 16/05/23 10:30	2479	G Kapenda,O Keamogetswe
2481		Loosen and remove the motor/gearbox coupling guard	1 hr	Tue 16/05/23 10:30	Tue 16/05/23 11:30	2480	G Kapenda,O Keamogetswe
2482		Inspect coupling	0.25 hrs	Tue 16/05/23 11:30	Tue 16/05/23 11:45	2481	G Kapenda,O Keamogetswe
2483		Drain oil	2 hrs	Tue 16/05/23 11:45	Tue 16/05/23 14:15	2482	G Kapenda,O Keamogetswe
2484		Inspect and service gearbox	1 hr	Tue 16/05/23 14:15	Tue 16/05/23 15:15	2483	G Kapenda,O Keamogetswe
2485		Re fill oil and replace filter cartridge	2 hrs	Tue 16/05/23 15:15	Tue 16/05/23 17:15	2484	G Kapenda,O Keamogetswe
2486		Repack stuffing box	2 hrs	Tue 16/05/23 17:15	Wed 17/05/23 08:15	2485	G Kapenda,O Keamogetswe
2487		Replace guard	1 hr	Wed 17/05/23 08:15	Wed 17/05/23 09:15	2486	G Kapenda,O Keamogetswe
2488		Clear permit	0.25 hrs	Wed 17/05/23 09:15	Wed 17/05/23 09:30	2487	G Kapenda,O Keamogetswe
2489	**27B2GA07**	**# A THICKENER FEED PUMP - Carry Out Inspection**	**9.5 hrs**	**Mon 08/05/23 23:30**	**Tue 09/05/23 17:00**		
2490		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2491		Accept Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2490	G Kapenda,O Keamogetswe
2492		Remove Guard	0.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:45	2491	G Kapenda,O Keamogetswe
2493		Inspect Coupling	1 hr	Tue 09/05/23 07:45	Tue 09/05/23 08:45	2492	G Kapenda,O Keamogetswe
2494		Check all mounting bolts	0.5 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:15	2493	G Kapenda,O Keamogetswe
2495		Check condition of the base	1 hr	Tue 09/05/23 09:15	Tue 09/05/23 10:15	2494	G Kapenda,O Keamogetswe
2496		Check all flanges both discharge& suction	0.5 hrs	Tue 09/05/23 10:15	Tue 09/05/23 10:45	2495	G Kapenda,O Keamogetswe
2497		Inspect all belows	1 hr	Tue 09/05/23 10:45	Tue 09/05/23 11:45	2496	G Kapenda,O Keamogetswe
2498		Drain & Refill Oil	1 hr	Tue 09/05/23 11:45	Tue 09/05/23 13:15	2497	G Kapenda,O Keamogetswe
2499		Repack glands	1 hr	Tue 09/05/23 13:15	Tue 09/05/23 14:15	2498	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2500		Carry Out or cross check Laser Alignment	2 hrs	Tue 09/05/23 14:15	Tue 09/05/23 16:15	2499	Reliability
2501		Replace Guard	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	2500	G Kapenda,O Keamogetswe
2502		Clear Permit	0.25 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:00	2501	G Kapenda,O Keamogetswe
2503	**27B2GA03B**	**# B THICKENER FEED PUMP - Overhaul pump**	**16 hrs**	**Mon 08/05/23 23:30**	**Wed 10/05/23 13:00**		
2504		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2505		Accept Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2504	G Kapenda,O Keamogetswe
2506		Loosen Bolts	1.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 08:45	2505	G Kapenda,O Keamogetswe
2507		Remove Guard	0.5 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:15	2506	G Kapenda,O Keamogetswe
2508		Remove Pump	2 hrs	Tue 09/05/23 09:15	Tue 09/05/23 11:15	2507	M-Crane 7Ton,G Moeseraela,T Moloi,K
2509		Transport Pump To Workshop	0.5 hrs	Tue 09/05/23 11:15	Tue 09/05/23 11:45	2508	M-Crane 7Ton,G Moeseraela,K Gabant
2510		Strip Out And Overhaul Pump	6 hrs	Tue 09/05/23 11:45	Wed 10/05/23 07:15	2509	G Kapenda,O Keamogetswe
2511		Transport Pump To Plant	0.5 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:45	2510	G Moeseraela,T Moloi,K Gabantogele
2512		Install And Secure Pump	2 hrs	Wed 10/05/23 07:45	Wed 10/05/23 09:45	2511	M-Crane 7Ton,G Moeseraela,T Moloi,K
2513		Align Pump	2 hrs	Wed 10/05/23 09:45	Wed 10/05/23 11:45	2512	Reliability,G Kapenda,O Keamogetswe
2514		Replace Guard	0.5 hrs	Wed 10/05/23 11:45	Wed 10/05/23 12:45	2513	G Kapenda,O Keamogetswe
2515		Clear Permit	0.25 hrs	Wed 10/05/23 12:45	Wed 10/05/23 13:00	2514	G Kapenda,O Keamogetswe
2516	**27B2FB05**	**HYDRAULIC SYSTEM - Service, Repair Leaks**	**22.5 hrs**	**Wed 10/05/23 13:00**	**Fri 12/05/23 14:30**	**2503**	
2517		Make out permit	0.25 hrs	Wed 10/05/23 13:00	Wed 10/05/23 13:15		Operations
2518		Accept permit	0.25 hrs	Wed 10/05/23 13:15	Wed 10/05/23 13:30	2517	G Kapenda,O Keamogetswe
2519		Carry out risk assement	0.25 hrs	Wed 10/05/23 13:30	Wed 10/05/23 13:45	2518	G Kapenda,O Keamogetswe
2520		Disconnect motors	1 hr	Wed 10/05/23 13:45	Wed 10/05/23 14:45	2519	L Majoo,Electrician1
2521		Rig out motors	0.5 hrs	Wed 10/05/23 14:45	Wed 10/05/23 15:15	2520	T Moloi,K Gabantogele,G Moeseraela,G
2522		Drain oil	1 hr	Wed 10/05/23 15:15	Wed 10/05/23 16:15	2521	Fluid Systems
2523		Disconnect discharge pipe	0.5 hrs	Wed 10/05/23 16:15	Wed 10/05/23 16:45	2522	Fluid Systems
2524		Open top cover	0.5 hrs	Wed 10/05/23 16:45	Wed 10/05/23 17:15	2523	Fluid Systems
2525		Clean tank	1.5 hrs	Wed 10/05/23 17:15	Thu 11/05/23 07:45	2524	Fluid Systems
2526		Modify main tank and Change hydraulic pumps	8 hrs	Thu 11/05/23 07:45	Thu 11/05/23 16:15	2525	Fluid Systems
2527		Box up	1.5 hrs	Thu 11/05/23 16:15	Thu 11/05/23 17:45	2526	Fluid Systems
2528		Mount motors	0.5 hrs	Thu 11/05/23 17:45	Fri 12/05/23 07:15	2527	Fluid Systems
2529		Connect motors	1 hr	Fri 12/05/23 07:15	Fri 12/05/23 08:15	2528	L Majoo,Electrician1
2530		Fill oil	1 hr	Fri 12/05/23 08:15	Fri 12/05/23 09:15	2529	Fluid Systems
2531		Housekeeping	0.5 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:45	2530	Fluid Systems
2532		Check direction& repair oil leaks	4 hrs	Fri 12/05/23 09:45	Fri 12/05/23 14:15	2531	Fluid Systems
2533		Clear test run permit	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30	2532	G Kapenda,O Keamogetswe
2534	**27B2ST01**	**PLANT STRUCTURES - Replace valve inserts 200Mm**	**12.5 hrs**	**Fri 12/05/23 14:30**	**Sat 13/05/23 16:30**	**2516**	
2535		Make out permit	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45		Operations
2536		Accept permit	0.25 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:00	2535	G Kapenda,O Keamogetswe
2537		Carry out risk assement	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	2536	G Kapenda,O Keamogetswe
2538		Loosen bolts	3 hrs	Fri 12/05/23 15:15	Sat 13/05/23 07:15	2537	G Kapenda,O Keamogetswe
2539		remove sleeve	3 hrs	Sat 13/05/23 07:15	Sat 13/05/23 10:15	2538	G Moeseraela,T Moloi,K Gabantogele,G
2540		Replace sleeve	3 hrs	Sat 13/05/23 10:15	Sat 13/05/23 13:45	2539	G Moeseraela,T Moloi,K Gabantogele,G
2541		Secure sleeve	2 hrs	Sat 13/05/23 13:45	Sat 13/05/23 15:45	2540	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2542		Housekeeping	0.25 hrs	Sat 13/05/23 15:45	Sat 13/05/23 16:00	2541	G Kapenda,O Keamogetswe
2543		Clear permit	0.25 hrs	Sat 13/05/23 16:00	Sat 13/05/23 16:15	2542	G Kapenda,O Keamogetswe
2544		Hand over plant	0.25 hrs	Sat 13/05/23 16:15	Sat 13/05/23 16:30	2543	G Kapenda,O Keamogetswe
2545	**27B2ST01**	**PLANT STRUCTURES - Replace valve inserts 250Mm**	**12.5 hrs**	**Sat 13/05/23 16:30**	**Mon 15/05/23 07:30**	**2534**	
2546		Make out permit	0.25 hrs	Sat 13/05/23 16:30	Sat 13/05/23 16:45		Operations
2547		Accept permit	0.25 hrs	Sat 13/05/23 16:45	Sat 13/05/23 17:00	2546	G Kapenda,O Keamogetswe
2548		Carry out risk assement	0.25 hrs	Sat 13/05/23 17:00	Sat 13/05/23 17:15	2547	G Kapenda,O Keamogetswe
2549		Loosen bolts	3 hrs	Sat 13/05/23 17:15	Sun 14/05/23 09:15	2548	G Kapenda,O Keamogetswe
2550		remove sleeve	3 hrs	Sun 14/05/23 09:15	Sun 14/05/23 12:45	2549	G Moeseraela,T Moloi,K Gabantogele,G
2551		Replace sleeve	3 hrs	Sun 14/05/23 12:45	Sun 14/05/23 15:45	2550	G Moeseraela,T Moloi,K Gabantogele,G
2552		Secure sleeve	2 hrs	Sun 14/05/23 15:45	Sun 14/05/23 17:45	2551	G Kapenda,O Keamogetswe
2553		house keeping	0.25 hrs	Sun 14/05/23 17:45	Sun 14/05/23 18:00	2552	G Kapenda,O Keamogetswe
2554		Clear permit	0.25 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:15	2553	G Kapenda,O Keamogetswe
2555		Hand over plant	0.25 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:30	2554	G Kapenda,O Keamogetswe
2556	**27B2ST01**	**PLANT STRUCTURES - Replace valve inserts 400Mm**	**12.5 hrs**	**Mon 15/05/23 07:30**	**Tue 16/05/23 09:30**	**2545**	
2557		Make out permit	0.25 hrs	Mon 15/05/23 07:30	Mon 15/05/23 07:45		Operations
2558		Accept permit	0.25 hrs	Mon 15/05/23 07:45	Mon 15/05/23 08:00	2557	G Kapenda,O Keamogetswe
2559		Carry out risk assement	0.25 hrs	Mon 15/05/23 08:00	Mon 15/05/23 08:15	2558	G Kapenda,O Keamogetswe
2560		Loosen bolts	3 hrs	Mon 15/05/23 08:15	Mon 15/05/23 11:15	2559	G Kapenda,O Keamogetswe
2561		remove sleeve	3 hrs	Mon 15/05/23 11:15	Mon 15/05/23 14:45	2560	G Moeseraela,T Moloi,K Gabantogele,G
2562		Replace sleeve	3 hrs	Mon 15/05/23 14:45	Mon 15/05/23 17:45	2561	G Moeseraela,T Moloi,K Gabantogele,G
2563		Secure sleeve	2 hrs	Mon 15/05/23 17:45	Tue 16/05/23 08:45	2562	G Kapenda,O Keamogetswe
2564		house keeping	0.25 hrs	Tue 16/05/23 08:45	Tue 16/05/23 09:00	2563	G Kapenda,O Keamogetswe
2565		Clear permit	0.25 hrs	Tue 16/05/23 09:00	Tue 16/05/23 09:15	2564	G Kapenda,O Keamogetswe
2566		Hand over plant	0.25 hrs	Tue 16/05/23 09:15	Tue 16/05/23 09:30	2565	G Kapenda,O Keamogetswe
2567	**27B2ST01**	**PLANT STRUCTURES - Repair leak on steam trap line by Crystalliser #3**	**5 hrs**	**Mon 08/05/23 23:30**	**Tue 09/05/23 12:00**		
2568		Make out permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2569		Accept permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2568	M Ramatlhakeng,S Monna
2570		Carry out risk assement	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	2569	M Ramatlhakeng,S Monna
2571		Cut off leaking steam trap pipe	1 hr	Tue 09/05/23 07:30	Tue 09/05/23 08:30	2570	M Ramatlhakeng,S Monna
2572		Weld in new pipe	3 hrs	Tue 09/05/23 08:30	Tue 09/05/23 11:30	2571	P Dara
2573		Housekeeping	0.25 hrs	Tue 09/05/23 11:30	Tue 09/05/23 11:45	2572	M Ramatlhakeng,S Monna
2574		Clear permit	0.25 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:00	2573	M Ramatlhakeng,S Monna,Operations
2575		**ELECTRICAL**	**86.25 hrs**	**Mon 08/05/23 23:30**	**Wed 17/05/23 09:15**	**2243**	
2576	**27B2GA03A**	**BICARBONATION THICKNER FEED PUMP A - Carry out general Electrical inspections**	**12.5 hrs**	**Wed 10/05/23 10:45**	**Thu 11/05/23 13:15**	**6545,5383**	
2577		Make Out Permit	0.25 hrs	Wed 10/05/23 10:45	Wed 10/05/23 11:00		Operations
2578		Accept Permit	0.25 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:15	2577	L Majoo,Electrician1
2579		Carry Out Electrical Isolation	0.25 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:30	2578	L Majoo,Electrician1
2580		Fabricate motor canopy	8 hrs	Wed 10/05/23 11:30	Thu 11/05/23 09:00	2579	Fab. Workshop
2581		Check Loose Connections In The Panel	0.25 hrs	Thu 11/05/23 09:00	Thu 11/05/23 09:15	2580	L Majoo,Electrician1
2582		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Thu 11/05/23 09:15	Thu 11/05/23 09:30	2581	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2583		Confirm Correct Setting Of Protections	0.25 hrs	Thu 11/05/23 09:30	Thu 11/05/23 09:45	2582	L Majoo,Electrician1
2584		Connect motor and stop-start cables	0.5 hrs	Thu 11/05/23 09:45	Thu 11/05/23 10:15	2583	L Majoo,Electrician1
2585		Check Motor Fan Condition	0.5 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:45	2584	L Majoo,Electrician1
2586		Replace cowling mesh	0.5 hrs	Thu 11/05/23 10:45	Thu 11/05/23 11:15	2585	M Ramatlhakeng,S Monna,L Majoo,Ele
2587		Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 11/05/23 11:15	Thu 11/05/23 11:30	2586	L Majoo,Electrician1
2588		Tighten Motor Connections& Gland Intergrity	0.25 hrs	Thu 11/05/23 11:30	Thu 11/05/23 11:45	2587	L Majoo,Electrician1
2589		Seal For Moisture And Dust.	0.25 hrs	Thu 11/05/23 11:45	Thu 11/05/23 12:00	2588	L Majoo,Electrician1
2590		Install motor canopy	0.5 hrs	Thu 11/05/23 12:30	Thu 11/05/23 13:00	2589	Riggers,M_Crane7T
2591		Clear Permit	0.25 hrs	Thu 11/05/23 13:00	Thu 11/05/23 13:15	2590	L Majoo,Electrician1
2592	**27B2GA03B**	**BICARBONATION THICKNER FEED PUMP B - Carry out general Electrical inspections**	**7 hrs**	**Thu 11/05/23 13:15**	**Fri 12/05/23 09:15**	**2576**	
2593		Make Out Permit	0.25 hrs	Thu 11/05/23 13:15	Thu 11/05/23 13:30		Operations
2594		Accept Permit	0.25 hrs	Thu 11/05/23 13:30	Thu 11/05/23 13:45	2593	L Majoo,Electrician1
2595		Carry Out Electrical Isolation	0.25 hrs	Thu 11/05/23 13:45	Thu 11/05/23 14:00	2594	L Majoo,Electrician1
2596		Replace stainless steel box	1 hr	Thu 11/05/23 14:00	Thu 11/05/23 15:00	2595	L Majoo,Electrician1
2597		Check Loose Connections In The Panel	0.25 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:15	2596	L Majoo,Electrician1
2598		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Thu 11/05/23 15:15	Thu 11/05/23 15:30	2597	L Majoo,Electrician1
2599		Confirm Correct Setting Of Protections	0.25 hrs	Thu 11/05/23 15:30	Thu 11/05/23 15:45	2598	L Majoo,Electrician1
2600		Service Stop/Start	0.5 hrs	Thu 11/05/23 15:45	Thu 11/05/23 16:15	2599	L Majoo,Electrician1
2601		Mount junction box	2 hrs	Thu 11/05/23 16:15	Fri 12/05/23 07:15	2600	L Majoo,Electrician1
2602		Connect motor and stop-start cables	0.5 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:45	2601	L Majoo,Electrician1
2603		Check Motor Fan Condition	0.5 hrs	Fri 12/05/23 07:45	Fri 12/05/23 08:15	2602	L Majoo,Electrician1
2604		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 12/05/23 08:15	Fri 12/05/23 08:30	2603	L Majoo,Electrician1
2605		Tighten Motor Connections& Gland Intergrity	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45	2604	L Majoo,Electrician1
2606		Seal For Moisture And Dust.	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	2605	L Majoo,Electrician1
2607		Clear Permit	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	2606	L Majoo,Electrician1
2608	**27B2GA01A**	**# 1 CRYSTALISER FEED PUMP A - Carry out general Electrical inspections**	**7 hrs**	**Fri 12/05/23 09:15**	**Fri 12/05/23 16:45**	**2592**	
2609		Make Out Permit	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30		Operations
2610		Accept Permit	0.25 hrs	Fri 12/05/23 09:30	Fri 12/05/23 09:45	2609	L Majoo,Electrician1
2611		Carry Out Electrical Isolation	0.25 hrs	Fri 12/05/23 09:45	Fri 12/05/23 10:00	2610	L Majoo,Electrician1
2612		Disconnect and remove motor and send for repairs	2 hrs	Fri 12/05/23 10:00	Fri 12/05/23 12:00	2611	G Moeseraela,T Moloi,K Gabantogele,L
2613		Check Loose Connections In The Panel	0.25 hrs	Fri 12/05/23 12:30	Fri 12/05/23 12:45	2612	L Majoo,Electrician1
2614		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:00	2613	L Majoo,Electrician1
2615		Confirm Correct Setting Of Protections	0.25 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:15	2614	L Majoo,Electrician1
2616		Service Stop/Start	0.5 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:45	2615	L Majoo,Electrician1
2617		Install and connect motor	2 hrs	Fri 12/05/23 13:45	Fri 12/05/23 15:45	2616	G Moeseraela,T Moloi,K Gabantogele,L
2618		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:00	2617	L Majoo,Electrician1
2619		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:15	2618	L Majoo,Electrician1
2620		Seal For Moisture And Dust.	0.25 hrs	Fri 12/05/23 16:15	Fri 12/05/23 16:30	2619	L Majoo,Electrician1
2621		Clear Permit	0.25 hrs	Fri 12/05/23 16:30	Fri 12/05/23 16:45	2620	L Majoo,Electrician1
2622	**27B2GA01B**	**# 1 CRYSTALISER FEED PUMP B - Carry out general Electrical inspections**	**8 hrs**	**Fri 12/05/23 16:45**	**Sat 13/05/23 14:15**	**2608**	
2623		Make Out Permit	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2624		Accept Permit	0.25 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:15	2623	L Majoo,Electrician1
2625		Carry Out Electrical Isolation	0.25 hrs	Fri 12/05/23 17:15	Fri 12/05/23 17:30	2624	L Majoo,Electrician1
2626		Disconnect and remove motor and send for repairs	2 hrs	Fri 12/05/23 17:30	Sat 13/05/23 08:30	2625	G Moeseraela,T Moloi,K Gabantogele,L
2627		Check Loose Connections In The Panel	0.25 hrs	Sat 13/05/23 08:30	Sat 13/05/23 08:45	2626	L Majoo,Electrician1
2628		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Sat 13/05/23 08:45	Sat 13/05/23 09:00	2627	L Majoo,Electrician1
2629		Confirm Correct Setting Of Protections	0.25 hrs	Sat 13/05/23 09:00	Sat 13/05/23 09:15	2628	L Majoo,Electrician1
2630		Replace with stainless steel box	1 hr	Sat 13/05/23 09:15	Sat 13/05/23 10:15	2629	L Majoo,Electrician1
2631		Service Stop/Start	0.5 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:45	2630	L Majoo,Electrician1
2632		Install and connect motor	2 hrs	Sat 13/05/23 10:45	Sat 13/05/23 13:15	2631	G Moeseraela,T Moloi,K Gabantogele,L
2633		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 13/05/23 13:15	Sat 13/05/23 13:30	2632	L Majoo,Electrician1
2634		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sat 13/05/23 13:30	Sat 13/05/23 13:45	2633	L Majoo,Electrician1
2635		Seal For Moisture And Dust.	0.25 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:00	2634	L Majoo,Electrician1
2636		Clear Permit	0.25 hrs	Sat 13/05/23 14:00	Sat 13/05/23 14:15	2635	L Majoo,Electrician1
2637	**27B2GA01A**	**# 2 CRYSTALISER FEED PUMP A - Carry out general Electrical inspections**	**9.5 hrs**	**Sat 13/05/23 14:15**	**Sun 14/05/23 13:15**	**2622**	
2638		Fabricate junction box prior	0 hrs	Sat 13/05/23 14:15	Sat 13/05/23 14:15		M Ramatlhakeng,S Monna
2639		Make Out Permit	0.25 hrs	Sat 13/05/23 14:15	Sat 13/05/23 14:30	2638	Operations
2640		Accept Permit	0.25 hrs	Sat 13/05/23 14:30	Sat 13/05/23 14:45	2639	L Majoo,Electrician1
2641		Carry Out Electrical Isolation	0.25 hrs	Sat 13/05/23 14:45	Sat 13/05/23 15:00	2640	L Majoo,Electrician1
2642		Check Loose Connections In The Panel	0.25 hrs	Sat 13/05/23 15:00	Sat 13/05/23 15:15	2641	L Majoo,Electrician1
2643		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Sat 13/05/23 15:15	Sat 13/05/23 15:30	2642	L Majoo,Electrician1
2644		Confirm Correct Setting Of Protections	0.25 hrs	Sat 13/05/23 15:30	Sat 13/05/23 15:45	2643	L Majoo,Electrician1
2645		Replace with stainless steel box	1 hr	Sat 13/05/23 15:45	Sat 13/05/23 16:45	2644	L Majoo,Electrician1
2646		Service Stop/Start	0.5 hrs	Sat 13/05/23 15:45	Sat 13/05/23 16:15	2644	L Majoo,Electrician1
2647		Mount junction box	2 hrs	Sat 13/05/23 16:15	Sun 14/05/23 07:15	2646	L Majoo,Electrician1
2648		Carry out cable termination	4 hrs	Sun 14/05/23 07:15	Sun 14/05/23 11:15	2647	L Majoo,Electrician1
2649		Check Motor Fan Condition	0.5 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:45	2648	L Majoo,Electrician1
2650		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:00	2649	L Majoo,Electrician1
2651		Tighten Motor Connections& Gland Intergrity	0.25 hrs	Sun 14/05/23 12:30	Sun 14/05/23 12:45	2650	L Majoo,Electrician1
2652		Seal For Moisture And Dust.	0.25 hrs	Sun 14/05/23 12:45	Sun 14/05/23 13:00	2651	L Majoo,Electrician1
2653		Clear Permit	0.25 hrs	Sun 14/05/23 13:00	Sun 14/05/23 13:15	2652	L Majoo,Electrician1
2654	**27B2GA01B**	**# 2 CRYSTALISER FEED PUMP B - Carry out general Electrical inspections**	**9.5 hrs**	**Sun 14/05/23 13:15**	**Mon 15/05/23 11:45**	**2637**	
2655		Fabricate junction box prior	0 hrs	Sun 14/05/23 13:15	Sun 14/05/23 13:15		M Ramatlhakeng,S Monna
2656		Make Out Permit	0.25 hrs	Sun 14/05/23 13:15	Sun 14/05/23 13:30	2655	Operations
2657		Accept Permit	0.25 hrs	Sun 14/05/23 13:30	Sun 14/05/23 13:45	2656	L Majoo,Electrician1
2658		Carry Out Electrical Isolation	0.25 hrs	Sun 14/05/23 13:45	Sun 14/05/23 14:00	2657	L Majoo,Electrician1
2659		Check Loose Connections In The Panel	0.25 hrs	Sun 14/05/23 14:00	Sun 14/05/23 14:15	2658	L Majoo,Electrician1
2660		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Sun 14/05/23 14:15	Sun 14/05/23 14:30	2659	L Majoo,Electrician1
2661		Confirm Correct Setting Of Protections	0.25 hrs	Sun 14/05/23 14:30	Sun 14/05/23 14:45	2660	L Majoo,Electrician1
2662		Replace with stainless steel box	1 hr	Sun 14/05/23 14:45	Sun 14/05/23 15:45	2661	L Majoo,Electrician1
2663		Service Stop/Start	0.5 hrs	Sun 14/05/23 14:45	Sun 14/05/23 15:15	2661	L Majoo,Electrician1
2664		Mount junction box	2 hrs	Sun 14/05/23 15:15	Sun 14/05/23 17:15	2663	L Majoo,Electrician1
2665		Carry out cable termination	4 hrs	Sun 14/05/23 17:15	Mon 15/05/23 10:15	2664	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2666		Check Motor Fan Condition	0.5 hrs	Mon 15/05/23 10:15	Mon 15/05/23 10:45	2665	L Majoo,Electrician1
2667		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 15/05/23 10:45	Mon 15/05/23 11:00	2666	L Majoo,Electrician1
2668		Tighten Motor Connections& Gland Intergrity	0.25 hrs	Mon 15/05/23 11:00	Mon 15/05/23 11:15	2667	L Majoo,Electrician1
2669		Seal For Moisture And Dust.	0.25 hrs	Mon 15/05/23 11:15	Mon 15/05/23 11:30	2668	L Majoo,Electrician1
2670		Clear Permit	0.25 hrs	Mon 15/05/23 11:30	Mon 15/05/23 11:45	2669	L Majoo,Electrician1
2671	**27B2GA02A**	**# 3 CRYSTALISER FEED PUMP A - Carry out general Electrical inspections**	**4.5 hrs**	**Mon 15/05/23 11:45**	**Mon 15/05/23 16:45**	**2654**	
2672		Make Out Permit	0.25 hrs	Mon 15/05/23 11:45	Mon 15/05/23 12:00		Operations
2673		Accept Permit	0.25 hrs	Mon 15/05/23 12:30	Mon 15/05/23 12:45	2672	L Majoo,Electrician1
2674		Carry Out Electrical Isolation	0.25 hrs	Mon 15/05/23 12:45	Mon 15/05/23 13:00	2673	L Majoo,Electrician1
2675		Check Loose Connections In The Panel	0.25 hrs	Mon 15/05/23 13:00	Mon 15/05/23 13:15	2674	L Majoo,Electrician1
2676		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Mon 15/05/23 13:15	Mon 15/05/23 13:30	2675	L Majoo,Electrician1
2677		Confirm Correct Setting Of Protections	0.25 hrs	Mon 15/05/23 13:30	Mon 15/05/23 13:45	2676	L Majoo,Electrician1
2678		Replace with stainless steel box	1 hr	Mon 15/05/23 13:45	Mon 15/05/23 14:45	2677	L Majoo,Electrician1
2679		Service Stop/Start	0.5 hrs	Mon 15/05/23 14:45	Mon 15/05/23 15:15	2678	L Majoo,Electrician1
2680		Check Motor Fan Condition	0.5 hrs	Mon 15/05/23 15:15	Mon 15/05/23 15:45	2679	L Majoo,Electrician1
2681		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 15/05/23 15:45	Mon 15/05/23 16:00	2680	L Majoo,Electrician1
2682		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 15/05/23 16:00	Mon 15/05/23 16:15	2681	L Majoo,Electrician1
2683		Seal For Moisture And Dust.	0.25 hrs	Mon 15/05/23 16:15	Mon 15/05/23 16:30	2682	L Majoo,Electrician1
2684		Clear Permit	0.25 hrs	Mon 15/05/23 16:30	Mon 15/05/23 16:45	2683	L Majoo,Electrician1
2685	**27B2GA02B**	**# 3 CRYSTALISER FEED PUMP B - Carry out general Electrical inspections**	**4.5 hrs**	**Mon 15/05/23 16:45**	**Tue 16/05/23 10:15**	**2671**	
2686		Make Out Permit	0.25 hrs	Mon 15/05/23 16:45	Mon 15/05/23 17:00		Operations
2687		Accept Permit	0.25 hrs	Mon 15/05/23 17:00	Mon 15/05/23 17:15	2686	L Majoo,Electrician1
2688		Carry Out Electrical Isolation	0.25 hrs	Mon 15/05/23 17:15	Mon 15/05/23 17:30	2687	L Majoo,Electrician1
2689		Check Loose Connections In The Panel	0.25 hrs	Mon 15/05/23 17:30	Mon 15/05/23 17:45	2688	L Majoo,Electrician1
2690		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Mon 15/05/23 17:45	Mon 15/05/23 18:00	2689	L Majoo,Electrician1
2691		Confirm Correct Setting Of Protections	0.25 hrs	Tue 16/05/23 07:00	Tue 16/05/23 07:15	2690	L Majoo,Electrician1
2692		Replace with stainless steel box	1 hr	Tue 16/05/23 07:15	Tue 16/05/23 08:15	2691	L Majoo,Electrician1
2693		Service Stop/Start	0.5 hrs	Tue 16/05/23 08:15	Tue 16/05/23 08:45	2692	L Majoo,Electrician1
2694		Check Motor Fan Condition	0.5 hrs	Tue 16/05/23 08:45	Tue 16/05/23 09:15	2693	L Majoo,Electrician1
2695		Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 16/05/23 09:15	Tue 16/05/23 09:30	2694	L Majoo,Electrician1
2696		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Tue 16/05/23 09:30	Tue 16/05/23 09:45	2695	L Majoo,Electrician1
2697		Seal For Moisture And Dust.	0.25 hrs	Tue 16/05/23 09:45	Tue 16/05/23 10:00	2696	L Majoo,Electrician1
2698		Clear Permit	0.25 hrs	Tue 16/05/23 10:00	Tue 16/05/23 10:15	2697	L Majoo,Electrician1
2699	**27A2GK02**	**CRYSTALISER AGITATOR # 1 - Carry out general Electrical inspections**	**4.75 hrs**	**Tue 16/05/23 10:15**	**Tue 16/05/23 15:30**	**2685**	
2700		Make Out Permit	0.25 hrs	Tue 16/05/23 10:15	Tue 16/05/23 10:30		Operations
2701		Accept Permit	0.25 hrs	Tue 16/05/23 10:30	Tue 16/05/23 10:45	2700	L Majoo,Electrician1
2702		Carry Out Electrical Isolation	0.25 hrs	Tue 16/05/23 10:45	Tue 16/05/23 11:00	2701	L Majoo,Electrician1
2703		Replace with stainless steel box	1 hr	Tue 16/05/23 11:00	Tue 16/05/23 12:00	2702	L Majoo,Electrician1
2704		Service Stop/Start	0.25 hrs	Tue 16/05/23 12:30	Tue 16/05/23 12:45	2703	L Majoo,Electrician1
2705		Check Motor Fan Condition & Terminal Connections	0.25 hrs	Tue 16/05/23 12:45	Tue 16/05/23 13:00	2704	L Majoo,Electrician1
2706		Confirm Correct Setting Of Protections	0.25 hrs	Tue 16/05/23 13:00	Tue 16/05/23 13:15	2705	L Majoo,Electrician1
2707		Check Cable Terminal Leads For Over Heating	0.5 hrs	Tue 16/05/23 13:15	Tue 16/05/23 13:45	2706	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2708		Service Auxiliary Drive Panel & Motor	1 hr	Tue 16/05/23 13:45	Tue 16/05/23 14:45	2707	L Majoo,Electrician1
2709		Confirm Auxiliary Drive Protections Setting	0.25 hrs	Tue 16/05/23 14:45	Tue 16/05/23 15:00	2708	L Majoo,Electrician1
2710		Seal For Moisture And Dust.	0.25 hrs	Tue 16/05/23 15:00	Tue 16/05/23 15:15	2709	L Majoo,Electrician1
2711		Clear Permit	0.25 hrs	Tue 16/05/23 15:15	Tue 16/05/23 15:30	2710	L Majoo,Electrician1
2712	**27A2GK02**	**CRYSTALISER AGITATOR # 2 - Carry out general Electrical inspections**	**4.75 hrs**	**Tue 16/05/23 15:30**	**Wed 17/05/23 09:15**	**2699**	
2713		Make Out Permit	0.25 hrs	Tue 16/05/23 15:30	Tue 16/05/23 15:45		Operations
2714		Accept Permit	0.25 hrs	Tue 16/05/23 15:45	Tue 16/05/23 16:00	2713	L Majoo,Electrician1
2715		Carry Out Electrical Isolation	0.25 hrs	Tue 16/05/23 16:00	Tue 16/05/23 16:15	2714	L Majoo,Electrician1
2716		Replace with stainless steel box	1 hr	Tue 16/05/23 16:15	Tue 16/05/23 17:15	2715	L Majoo,Electrician1
2717		Service Stop/Start	0.25 hrs	Tue 16/05/23 17:15	Tue 16/05/23 17:30	2716	L Majoo,Electrician1
2718		Check Motor Fan Condition & Terminal Connections	0.25 hrs	Tue 16/05/23 17:30	Tue 16/05/23 17:45	2717	L Majoo,Electrician1
2719		Confirm Correct Setting Of Protections	0.25 hrs	Tue 16/05/23 17:45	Tue 16/05/23 18:00	2718	L Majoo,Electrician1
2720		Check Cable Terminal Leads For Over Heating	0.5 hrs	Wed 17/05/23 07:00	Wed 17/05/23 07:30	2719	L Majoo,Electrician1
2721		Service Auxiliary Drive Panel & Motor	1 hr	Wed 17/05/23 07:30	Wed 17/05/23 08:30	2720	L Majoo,Electrician1
2722		Confirm Auxiliary Drive Protections Setting	0.25 hrs	Wed 17/05/23 08:30	Wed 17/05/23 08:45	2721	L Majoo,Electrician1
2723		Seal For Moisture And Dust.	0.25 hrs	Wed 17/05/23 08:45	Wed 17/05/23 09:00	2722	L Majoo,Electrician1
2724		Clear Permit	0.25 hrs	Wed 17/05/23 09:00	Wed 17/05/23 09:15	2723	L Majoo,Electrician1
2725	**27A2GK01**	**CRYSTALLISER AGITATOR # 3 - Carry out general Electrical inspections**	**4.5 hrs**	**Mon 08/05/23 23:30**	**Tue 09/05/23 11:30**	**3785,4716**	
2726		Make Out Permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45		Operations
2727		Accept Permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2726	L Majoo,Electrician1
2728		Carry Out Electrical Isolation	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	2727	L Majoo,Electrician1
2729		Replace with stainless steel box	1 hr	Tue 09/05/23 07:30	Tue 09/05/23 08:30	2728	L Majoo,Electrician1
2730		Service Stop/Start	0.25 hrs	Tue 09/05/23 08:30	Tue 09/05/23 08:45	2729	L Majoo,Electrician1
2731		Check Motor Fan Condition & Terminal Connections	0.25 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:00	2730	L Majoo,Electrician1
2732		Confirm Correct Setting Of Protections	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15	2731	L Majoo,Electrician1
2733		Check Cable Terminal Leads For Over Heating	0.5 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:45	2732	L Majoo,Electrician1
2734		Service Auxiliary Drive Panel & Motor	1 hr	Tue 09/05/23 09:45	Tue 09/05/23 10:45	2733	L Majoo,Electrician1
2735		Confirm Auxiliary Drive Protections Setting	0.25 hrs	Tue 09/05/23 10:45	Tue 09/05/23 11:00	2734	L Majoo,Electrician1
2736		Seal For Moisture And Dust.	0.25 hrs	Tue 09/05/23 11:00	Tue 09/05/23 11:15	2735	L Majoo,Electrician1
2737		Clear Permit	0.25 hrs	Tue 09/05/23 11:15	Tue 09/05/23 11:30	2736	L Majoo,Electrician1
2738	**27B2GA05A**	**HYDRAULIC OIL PUMP A - Carry out general Electrical inspections**	**5.5 hrs**	**Tue 09/05/23 11:30**	**Tue 09/05/23 17:30**	**2725**	
2739		Make Out Permit	0.25 hrs	Tue 09/05/23 11:30	Tue 09/05/23 11:45		Operations
2740		Accept Permit	0.25 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:00	2739	L Majoo,Electrician1
2741		Carry Out Electrical Isolation	0.25 hrs	Tue 09/05/23 12:30	Tue 09/05/23 12:45	2740	L Majoo,Electrician1
2742		Check Loose Connections In The Panel	0.25 hrs	Tue 09/05/23 12:45	Tue 09/05/23 13:00	2741	L Majoo,Electrician1
2743		Check Contactor Contacts	0.25 hrs	Tue 09/05/23 13:00	Tue 09/05/23 13:15	2742	L Majoo,Electrician1
2744		Confirm Correct Setting Of Protections	0.25 hrs	Tue 09/05/23 13:15	Tue 09/05/23 13:30	2743	L Majoo,Electrician1
2745		Remove and send motor for repairs	4 hrs	Tue 09/05/23 13:30	Tue 09/05/23 17:30	2744	L Majoo,Electrician1
2746		Service Stop/Start	0.5 hrs	Tue 09/05/23 13:30	Tue 09/05/23 14:00	2744	L Majoo,Electrician1
2747		Install cable racks	2 hrs	Tue 09/05/23 14:00	Tue 09/05/23 16:00	2746	M Ramatlhakeng,S Monna
2748		Check Motor Fan Condition	0.5 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:30	2747	L Majoo,Electrician1
2749		Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 09/05/23 16:30	Tue 09/05/23 16:45	2748	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2750		Tighten Motor Connections& Gland Intergrity	0.25 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:00	2749	L Majoo,Electrician1
2751		Seal For Moisture And Dust.	0.25 hrs	Tue 09/05/23 17:00	Tue 09/05/23 17:15	2750	L Majoo,Electrician1
2752		Clear Permit	0.25 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:30	2751	L Majoo,Electrician1
2753	**27B2GA05B**	**HYDRAULIC OIL PUMP B - Carry out general Electrical inspections**	**7.5 hrs**	**Tue 09/05/23 17:30**	**Wed 10/05/23 14:30**	**2738**	
2754		Make Out Permit	0.25 hrs	Tue 09/05/23 17:30	Tue 09/05/23 17:45		Operations
2755		Accept Permit	0.25 hrs	Tue 09/05/23 17:45	Tue 09/05/23 18:00	2754	L Majoo,Electrician1
2756		Carry Out Electrical Isolation	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	2755	L Majoo,Electrician1
2757		Check Loose Connections In The Panel	0.25 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:30	2756	L Majoo,Electrician1
2758		Check Contactor Contacts	0.25 hrs	Wed 10/05/23 07:30	Wed 10/05/23 07:45	2757	L Majoo,Electrician1
2759		Confirm Correct Setting Of Protections	0.25 hrs	Wed 10/05/23 07:45	Wed 10/05/23 08:00	2758	L Majoo,Electrician1
2760		Remove and send motor for repairs	4 hrs	Wed 10/05/23 08:00	Wed 10/05/23 12:00	2759	L Majoo,Electrician1
2761		Service Stop/Start	0.5 hrs	Wed 10/05/23 12:30	Wed 10/05/23 13:00	2760	L Majoo,Electrician1
2762		Check Motor Fan Condition	0.5 hrs	Wed 10/05/23 13:00	Wed 10/05/23 13:30	2761	L Majoo,Electrician1
2763		Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 10/05/23 13:30	Wed 10/05/23 13:45	2762	L Majoo,Electrician1
2764		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:00	2763	L Majoo,Electrician1
2765		Seal For Moisture And Dust.	0.25 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:15	2764	L Majoo,Electrician1
2766		Clear Permit	0.25 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:30	2765	L Majoo,Electrician1
2767		**INSTRUMENTATION**	**40.25 hrs**	**Mon 08/05/23 23:30**	**Fri 12/05/23 16:15**	**2243**	
2768	**27LC005**	**# 1 CRYSTALLISER LEVEL VALVE - Remove & overhaul**	**13.75 hrs**	**Mon 08/05/23 23:30**	**Wed 10/05/23 10:15**		
2769		Erect scaffold (prior)	0 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:30		RSC Scaffolding
2770		Make out permit	0.25 hrs	Mon 08/05/23 23:30	Mon 08/05/23 23:45	2769	Operations
2771		Accept permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	2770	O Jacob,K Dijeng
2772		Disconnect instruments	1 hr	Tue 09/05/23 07:15	Tue 09/05/23 08:15	2771	O Jacob,K Dijeng
2773		Remove valve	4 hrs	Tue 09/05/23 08:15	Tue 09/05/23 12:45	2772	G Moeseraela,T Moloi,K Gabantogele,C
2774		Overhaul valve	5 hrs	Tue 09/05/23 12:45	Tue 09/05/23 17:45	2773	O Jacob,K Dijeng
2775		Install valve	3 hrs	Tue 09/05/23 17:45	Wed 10/05/23 09:45	2774	G Moeseraela,T Moloi,K Gabantogele,C
2776		Stroke check valve	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00	2775	O Jacob,K Dijeng
2777		Clear permit	0.25 hrs	Wed 10/05/23 10:00	Wed 10/05/23 10:15	2776	O Jacob,K Dijeng
2778	**27LC006**	**# 2 CRYSTALLISER LEVEL VALVE - Remove & overhaul**	**15 hrs**	**Wed 10/05/23 10:15**	**Thu 11/05/23 15:15**	**2768**	
2779		Erect scaffold (prior)	0 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:15		RSC Scaffolding
2780		Make out permit	0.25 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:30	2779	Operations
2781		Accept permit	0.25 hrs	Wed 10/05/23 10:30	Wed 10/05/23 10:45	2780	O Jacob,K Dijeng
2782		Disconnect instruments	1 hr	Wed 10/05/23 10:45	Wed 10/05/23 11:45	2781	O Jacob,K Dijeng
2783		Remove valve	5 hrs	Wed 10/05/23 11:45	Wed 10/05/23 17:15	2782	G Moeseraela,T Moloi,K Gabantogele,C
2784		Overhaul valve	5 hrs	Wed 10/05/23 17:15	Thu 11/05/23 11:15	2783	O Jacob,K Dijeng
2785		Install valve	3.5 hrs	Thu 11/05/23 11:15	Thu 11/05/23 14:45	2784	RSC Scaffolding,G Moeseraela,T Moloi,I
2786		Stroke check valve	0.25 hrs	Thu 11/05/23 14:45	Thu 11/05/23 15:00	2785	O Jacob,K Dijeng
2787		Clear permit	0.25 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:15	2786	O Jacob,K Dijeng
2788	**27LC008**	**# 3 CRYSTALLISER LEVEL VALVE - Remove & overhaul**	**11.5 hrs**	**Thu 11/05/23 15:15**	**Fri 12/05/23 16:15**	**2778**	
2789		Erect scaffold (prior)	0 hrs	Thu 11/05/23 15:15	Thu 11/05/23 15:15		RSC Scaffolding
2790		Make out permit	0.25 hrs	Thu 11/05/23 15:15	Thu 11/05/23 15:30	2789	O Jacob,K Dijeng
2791		Accept permit	0.25 hrs	Thu 11/05/23 15:30	Thu 11/05/23 15:45	2790	O Jacob,K Dijeng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2792		Disconnect instruments	1 hr	Thu 11/05/23 15:45	Thu 11/05/23 16:45	2791	RSC Scaffolding,G Moeseraela,T Moloi,I
2793		Remove valve	3 hrs	Thu 11/05/23 16:45	Fri 12/05/23 08:45	2792	O Jacob,K Dijeng
2794		Overhaul valve	5.5 hrs	Fri 12/05/23 08:45	Fri 12/05/23 14:15	2793	RSC Scaffolding,G Moeseraela,T Moloi,I
2795		Install valve	1.5 hrs	Fri 12/05/23 14:15	Fri 12/05/23 15:45	2794	O Jacob,K Dijeng
2796		Stroke check valve	0.25 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:00	2795	O Jacob,K Dijeng
2797		Clear permit	0.25 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:15	2796	O Jacob,K Dijeng
2798		**CIVILS JOBS**	**56 hrs**	**Wed 03/05/23 06:30**	**Mon 08/05/23 10:30**		
2799	**27B2FB02**	**#3 CRYSTALISER TANK - Repair concrete base**	**56 hrs**	**Wed 03/05/23 06:30**	**Mon 08/05/23 10:30**		
2800		Weave reinforcement prior	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		Builders
2801		Issue Permit To Work	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45	2800	Operations
2802		Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	2801	Seisa
2803		Carry out risk assessment	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	2802	Builders
2804		Erect formwork	8 hrs	Wed 03/05/23 07:30	Wed 03/05/23 16:00	2803	Builders
2805		Lay reinforcement (Mesh ref 193)	8 hrs	Wed 03/05/23 16:00	Thu 04/05/23 13:30	2804	Builders
2806		Cast concrete	12 hrs	Thu 04/05/23 13:30	Fri 05/05/23 15:00	2805	Builders
2807		Curing time	48 hrs	Fri 05/05/23 15:00	Sun 07/05/23 15:00	2806	
2808		Fix the damaged - order M20 bolts and dowels	4 hrs	Sun 07/05/23 15:00	Mon 08/05/23 08:00	2807	Builders
2809		Housekeeping	2 hrs	Mon 08/05/23 08:00	Mon 08/05/23 10:00	2808	Builders
2810		Clear Permit To Work	0.5 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:30	2809	Seisa,Operations
2811		Carbonation Maintenance Complete	0 hrs	Tue 23/05/23 11:15	Tue 23/05/23 11:15	496,798,22	
2812	**Area 28A**	**BICARBONATE THICKENING**	**252 hrs**	**Wed 03/05/23 06:30**	**Sat 27/05/23 02:45**		
2813		**OPERATIONS**	**31.5 hrs**	**Wed 03/05/23 06:30**	**Fri 05/05/23 22:00**		
2814	**Area 28A**	**THICKENER - Shutdown**	**10.5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 22:00**		
2815		Stop Feed To Steady Head Tank	0.5 hrs	Wed 03/05/23 06:30	Wed 03/05/23 07:00		Operations
2816		Drain Thickener	12 hrs	Wed 03/05/23 07:00	Wed 03/05/23 19:00	2815	Operations
2817		Drain Steady Head Tank To Belt Filters	1 hr	Wed 03/05/23 18:00	Wed 03/05/23 19:00	2816FF	Operations
2818		Connect HWW Flush To Steady Head Tank Feed (Flush Back To Thickener), Flush Slurry Lines To Belt Filters	1.5 hrs	Wed 03/05/23 19:00	Wed 03/05/23 20:30	2817	Operations
2819		Flush Out Head Tank To Filters And Overflow Line To Thickener	1.5 hrs	Wed 03/05/23 20:30	Wed 03/05/23 22:00	2818	Operations
2820	**Area 28A**	**THICKENING - Cleaning**	**13.5 hrs**	**Wed 03/05/23 22:00**	**Fri 05/05/23 10:00**	**2814**	
2821		Organize Hoses And Ladder Prior	0 hrs	Wed 03/05/23 22:00	Wed 03/05/23 22:00		Operations
2822		Clean Thickener	36 hrs	Wed 03/05/23 22:00	Fri 05/05/23 10:00	2821	Operations
2823		Clean Launder	36 hrs	Wed 03/05/23 22:00	Fri 05/05/23 10:00	2822SS	Operations
2824	**Area 28A**	**BITTERNS TANK - Cleaning**	**12 hrs**	**Fri 05/05/23 10:00**	**Fri 05/05/23 22:00**	**2820**	
2825		Organise Hoses & Ladder Prior	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		Operations
2826		Clean Tank	12 hrs	Fri 05/05/23 10:00	Fri 05/05/23 22:00	2825	Operations
2827		**MAINTENANCE STARTS**	**0 hrs**	**Fri 05/05/23 10:00**	**Fri 05/05/23 10:00**	**2820**	
2828		Maintenance jobs commence	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		
2829		**MECHANICAL**	**228 hrs**	**Fri 05/05/23 10:00**	**Sat 27/05/23 02:45**	**2827**	
2830	**28A2GK01**	**THICKENING MAIN GEAR - Clean Out And Inspect The Main Gear**	**95 hrs**	**Fri 05/05/23 10:00**	**Sun 14/05/23 10:30**		
2831		Support rakes (from bottom)	6 hrs	Fri 05/05/23 10:00	Fri 05/05/23 16:30		S Kalankane,D Keaketswe
2832		Support bridge	3 hrs	Fri 05/05/23 16:30	Sat 06/05/23 08:30	2831	M-Crane 30Ton,S Kalankane,D Keaketsv

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2833		Lockout drive motors	1 hr	Sat 06/05/23 08:30	Sat 06/05/23 09:30	2832	S Kalankane
2834		Disconnect drive motors	2 hrs	Sat 06/05/23 09:30	Sat 06/05/23 11:30	2833	L Majoo,O Macheng
2835		Drain all oil from drives	6 hrs	Sat 06/05/23 11:30	Sat 06/05/23 18:00	2834	S Kalankane,D Keaketswe
2836		Remove primary drives	5 hrs	Sun 07/05/23 07:00	Sun 07/05/23 12:00	2835	S Kalankane,D Keaketswe
2837		Remove secondary drives	5 hrs	Sun 07/05/23 12:30	Sun 07/05/23 17:30	2836	S Kalankane,D Keaketswe
2838		Remove main gear cover plates	1 hr	Sun 07/05/23 17:30	Mon 08/05/23 07:30	2837	S Kalankane,D Keaketswe
2839		Clean main gear housing	6 hrs	Mon 08/05/23 07:30	Mon 08/05/23 14:00	2838	S Kalankane,D Keaketswe
2840		Strip primary drives	4 hrs	Mon 08/05/23 14:00	Mon 08/05/23 18:00	2839	S Kalankane,D Keaketswe
2841		Strip secondary drives	6 hrs	Tue 09/05/23 07:00	Tue 09/05/23 13:30	2840	S Kalankane,D Keaketswe
2842		Clean all parts & overhaul primary and secondary	4 hrs	Tue 09/05/23 13:30	Tue 09/05/23 17:30	2841	S Kalankane,D Keaketswe
2843		Asemble primary drives with new parts	6 hrs	Tue 09/05/23 17:30	Wed 10/05/23 13:00	2842	S Kalankane,D Keaketswe
2844		Assemble secondary drives with new parts	6 hrs	Wed 10/05/23 13:00	Thu 11/05/23 08:00	2843	S Kalankane,D Keaketswe
2845		Replace main gear	6 hrs	Thu 11/05/23 08:00	Thu 11/05/23 14:30	2844	S Kalankane,D Keaketswe
2846		Seal main gearbox	2 hrs	Thu 11/05/23 14:30	Thu 11/05/23 16:30	2845	S Kalankane,D Keaketswe
2847		Re-fit main gear cover plate	1 hr	Thu 11/05/23 16:30	Thu 11/05/23 17:30	2846	S Kalankane,D Keaketswe
2848		Re-fit secondary drives	5 hrs	Thu 11/05/23 17:30	Fri 12/05/23 11:30	2847	S Kalankane,D Keaketswe
2849		Re-fit primary drives	4 hrs	Fri 12/05/23 11:30	Fri 12/05/23 16:00	2848	S Kalankane,D Keaketswe
2850		Fit bauer drives c/w motors	2 hrs	Fri 12/05/23 16:00	Fri 12/05/23 18:00	2849	S Kalankane,D Keaketswe
2851		Fill drive with oil	3 hrs	Sat 13/05/23 07:00	Sat 13/05/23 10:00	2850	S Kalankane,D Keaketswe
2852		Re-connect power cables	1 hr	Sat 13/05/23 10:00	Sat 13/05/23 11:00	2851	L Majoo,O Macheng
2853		Remove isolation	1 hr	Sat 13/05/23 11:00	Sat 13/05/23 12:00	2852	L Majoo,O Macheng
2854		Rotate & check elevation	1 hr	Sat 13/05/23 12:30	Sat 13/05/23 13:30	2853	S Kalankane,D Keaketswe,FL Smidth
2855		Shim and or adjust elevation	4 hrs	Sat 13/05/23 13:30	Sat 13/05/23 17:30	2854	S Kalankane,D Keaketswe,FL Smidth
2856		Align scrapers & guide blocks	1 hr	Sat 13/05/23 17:30	Sun 14/05/23 07:30	2855	S Kalankane,D Keaketswe,FL Smidth
2857		Secure all bolts	2 hrs	Sun 14/05/23 07:30	Sun 14/05/23 09:30	2856	S Kalankane,D Keaketswe
2858		Setup torque controll	1 hr	Sun 14/05/23 09:30	Sun 14/05/23 10:30	2857	S Kalankane,D Keaketswe
2859	**28A4FB01**	**THICKENER - Concrete repairs**	**170 hrs**	**Sat 06/05/23 07:30**	**Sat 13/05/23 09:30**		
2860		Issue permit to work	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45	**2876SS**	Operations
2861		Accept permit	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	2860	Wesley,Nkomba
2862		Carry out risk assessment	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	2861	Wesley,Nkomba
2863		Inspect for concrete integrity	1 hr	Sat 06/05/23 08:15	Sat 06/05/23 09:15	2862	Spalling Worx
2864		Carry out concrete repairs	92 hrs	Sat 06/05/23 09:15	Wed 10/05/23 05:15	2863	Spalling Worx
2865		Curing time	72 hrs	Wed 10/05/23 05:15	Sat 13/05/23 05:15	2864	
2866		Carry out housekeeping	4 hrs	Sat 13/05/23 05:15	Sat 13/05/23 09:15	2865	Spalling Worx
2867		Clear permit	0.25 hrs	Sat 13/05/23 09:15	Sat 13/05/23 09:30	2866	Operations,Wesley,Nkomba
2868	**28A2GK01**	**THICKENER WALLS AND LAUNDER REPAIRS**	**228 hrs**	**Fri 05/05/23 10:00**	**Sat 27/05/23 02:45**		
2869		**Launder Repairs - Repair and reline launder**	**209.5 hrs**	**Fri 05/05/23 10:00**	**Thu 25/05/23 09:30**		
2870		Erect internal scaffolding	8 hrs	Fri 05/05/23 10:00	Sat 06/05/23 07:30	2828	RSC Scaffolding
2871		Make Out Permit	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45	2870	Operations
2872		Accept Permit	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	2871	Wesley,Nkomba
2873		Carry out risk assessment	0.5 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:30	2872	Wesley,Nkomba,Corrocoat
2874		Carry out decontamination protocol	8 hrs	Sat 06/05/23 08:30	Sat 06/05/23 16:30	2873	Nicholas

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2875		Peel off rubberlining	20 hrs	Fri 05/05/23 10:00	Sun 07/05/23 09:00	2870SS	Corrocoat
2876		Buff off residual adhesive and rubber	36 hrs	Sat 06/05/23 07:30	Tue 09/05/23 12:00	2875SS+8 h	Corrocoat
2877		Carry out concrete repairs	0 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:30	2859SS	Corrocoat
2878		Wash concrete surfaces with high pressure Chloride	8 hrs	Sat 13/05/23 09:30	Sun 14/05/23 04:30	2867	Corrocoat
2879		Concrete drying time	4 hrs	Sun 14/05/23 07:00	Sun 14/05/23 11:00	2878	
2880		Blast clean launder section	20 hrs	Sun 14/05/23 11:00	Tue 16/05/23 10:00	2879	Corrocoat
2881		Clean grit and substrate	8 hrs	Tue 16/05/23 10:00	Wed 17/05/23 07:30	2880	Corrocoat
2882		Apply concrete primer	72 hrs	Wed 17/05/23 07:30	Tue 23/05/23 17:00	2881	Corrocoat
2883		Insert expansion joint to Floor-Wall interface	6 hrs	Wed 17/05/23 14:00	Thu 18/05/23 09:00	2882SS+6 h	Corrocoat
2884		Apply rubberlining primer	72 hrs	Wed 17/05/23 14:00	Wed 24/05/23 12:00	2883SS	Corrocoat
2885		Rubberline surface with pre-cured rubber	72 hrs	Thu 18/05/23 11:00	Thu 25/05/23 09:30	2884SS+8 h	Corrocoat
2886		**Wall Repairs - Repair and reline walls**	**165.5 hrs**	**Wed 10/05/23 09:30**	**Fri 26/05/23 03:45**		
2887		Peel off rubberlining	60 hrs	Wed 10/05/23 09:30	Fri 12/05/23 21:30	2875SS+52	Corrocoat
2888		Buff off residual adhesive and rubber	30 hrs	Thu 11/05/23 11:00	Sun 14/05/23 09:30	2887SS+12	Corrocoat
2889		Carry out concrete repairs	48 hrs	Fri 12/05/23 10:30	Sun 14/05/23 10:30	2888SS+10	Spalling Worx
2890		Wash concrete surfaces with high pressure Chloride	6 hrs	Sun 14/05/23 10:30	Sun 14/05/23 16:30	2889	Corrocoat
2891		Concrete drying time	6 hrs	Sun 14/05/23 16:30	Mon 15/05/23 11:30	2890	
2892		Blast clean launder section	20.5 hrs	Mon 15/05/23 11:30	Wed 17/05/23 11:00	2891	Corrocoat
2893		Clean grit and substrate	8 hrs	Wed 17/05/23 11:00	Thu 18/05/23 08:30	2892	Corrocoat
2894		Apply concrete primer	64 hrs	Thu 18/05/23 08:30	Wed 24/05/23 09:30	2893	Corrocoat
2895		Insert expansion joint to Floor-Wall interface	6 hrs	Thu 18/05/23 10:30	Thu 18/05/23 17:00	2894SS+2 h	Corrocoat
2896		Apply rubberlining primer	64 hrs	Thu 18/05/23 17:00	Wed 24/05/23 18:00	2895	Corrocoat
2897		Rubberline surface with pre-cured rubber	60 hrs	Sat 20/05/23 09:30	Thu 25/05/23 17:30	2896SS+14	Corrocoat
2898		Remove decontamination controls	6 hrs	Thu 25/05/23 17:30	Thu 25/05/23 23:30	2897	Operations
2899		Carry out housekeeping	4 hrs	Thu 25/05/23 23:30	Fri 26/05/23 03:30	2898	Corrocoat
2900		Clear Permit	0.25 hrs	Fri 26/05/23 03:30	Fri 26/05/23 03:45	2899	Operations,Wesley,Nkomba
2901		**Demobilisation**	**10.5 hrs**	**Fri 26/05/23 03:45**	**Sat 27/05/23 02:45**	**2869,2886**	
2902		Quality inspections	3 hrs	Fri 26/05/23 03:45	Fri 26/05/23 06:45		Wesley,Nkomba,Nicholas,Corrocoat
2903		Snagging	16 hrs	Fri 26/05/23 06:45	Fri 26/05/23 22:45	2902	Corrocoat
2904		Dismantle scaffolding	4 hrs	Fri 26/05/23 22:45	Sat 27/05/23 02:45	2903	RSC Scaffolding
2905		**THICKENER LAUNDER - Install wash water pipes**	**28.75 hrs**	**Fri 05/05/23 10:00**	**Mon 08/05/23 07:15**		
2906		Clear launder (prior)	0 days	Fri 05/05/23 10:00	Fri 05/05/23 10:00		Operations
2907		Make out permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	2906	Operations
2908		Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	2907	S Kalankane,D Keaketswe
2909		Carry out decontamination protocol	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	2908	Operations
2910		Undo clamp nuts	2 hrs	Fri 05/05/23 10:45	Fri 05/05/23 13:15	2909	S Kalankane,D Keaketswe
2911		Remove pipe clamps	3 hrs	Fri 05/05/23 13:15	Fri 05/05/23 16:15	2910	S Kalankane,D Keaketswe
2912		Rig out old pipes	6 hrs	Fri 05/05/23 16:15	Sat 06/05/23 11:15	2911	M_Crane20T,G Moeseraela,K Gabantog
2913		Rig in replacement pipes	6 hrs	Sat 06/05/23 11:15	Sat 06/05/23 17:45	2912	M_Crane20T,G Moeseraela,K Gabantog
2914		Align and clamp pipes	2 hrs	Sat 06/05/23 17:45	Sun 07/05/23 08:45	2913	M_Crane20T,G Moeseraela,K Gabantog
2915		Tighten flange bolts	3 hrs	Sun 07/05/23 08:45	Sun 07/05/23 11:45	2914	S Kalankane,D Keaketswe
2916		Tighten clamp bolts	2 hrs	Sun 07/05/23 11:45	Sun 07/05/23 14:15	2915	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2917		Carry out housekeeping	0.5 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:45	2916	S Kalankane,D Keaketswe
2918		Remove decontamination controls	6 hrs	Sun 07/05/23 14:45	Sun 07/05/23 20:45	2917	Operations
2919		Clear permit	0.25 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:15	2918	S Kalankane,D Keaketswe
2920	**28A4FB01**	**THICKENER RAKE - Inspect And Repair Rubber Lining**	**30.75 hrs**	**Fri 05/05/23 10:00**	**Mon 08/05/23 09:15**	**2827**	
2921		Clear Launder And Thickener (Prior)	0 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:00		Operations
2922		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	2921	Operations
2923		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	2922	S Kalankane
2924		Identify Defected Areas	6 hrs	Fri 05/05/23 10:30	Fri 05/05/23 17:00	2923	Engineer
2925		Carry Out Repairs On Defected Areas	36 hrs	Fri 05/05/23 17:00	Sun 07/05/23 05:00	2924	Corrocoat
2926		Allow To Cure	24 hrs	Sun 07/05/23 05:00	Mon 08/05/23 05:00	2925	Corrocoat
2927		Carry out housekeeping	4 hrs	Mon 08/05/23 05:00	Mon 08/05/23 09:00	2926	Corrocoat
2928		Clear Permit	0.25 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:15	2927	S Kalankane,Operations
2929	**28A2GK01**	**THICKENER RAKE - Service Hydraulic Unit**	**34.75 hrs**	**Fri 05/05/23 10:00**	**Mon 08/05/23 13:45**		
2930		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
2931		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	2930	Fluid Systems
2932		Service Hydraulic Unit	8 hrs	Fri 05/05/23 10:30	Sat 06/05/23 08:00	2931	Fluid Systems
2933		Drain Oils & Change Filters	4 hrs	Sat 06/05/23 08:00	Sat 06/05/23 12:00	2932	Fluid Systems
2934		Repair leaks	12 hrs	Sat 06/05/23 12:30	Sun 07/05/23 14:00	2933	Fluid Systems
2935		Clean oil tank	8 hrs	Sun 07/05/23 14:00	Mon 08/05/23 11:00	2934	Fluid Systems
2936		Top Up Oil To Correct Level	1 hr	Mon 08/05/23 11:00	Mon 08/05/23 12:00	2935	Fluid Systems
2937		Test Run The Hydraulic Unit	1 hr	Mon 08/05/23 12:30	Mon 08/05/23 13:30	2936	Fluid Systems
2938		Clear Permit	0.25 hrs	Mon 08/05/23 13:30	Mon 08/05/23 13:45	2937	Fluid Systems
2939	**28A2GA07**	**BITTERNS PUMP A - Carry Out Inspection Service**	**11.25 hrs**	**Fri 05/05/23 10:00**	**Sat 06/05/23 10:45**		
2940		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
2941		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	2940	S Kalankane,D Keaketswe
2942		Remove Guard	0.5 hrs	Fri 05/05/23 10:30	Fri 05/05/23 11:00	2941	S Kalankane,D Keaketswe
2943		Inspect Coupling	1 hr	Fri 05/05/23 11:00	Fri 05/05/23 12:00	2942	S Kalankane,D Keaketswe
2944		Check all mounting bolts	0.5 hrs	Fri 05/05/23 12:30	Fri 05/05/23 13:00	2943	S Kalankane,D Keaketswe
2945		Check condition of the base	1 hr	Fri 05/05/23 13:00	Fri 05/05/23 14:00	2944	S Kalankane,D Keaketswe
2946		Check all flanges both discharge& suction	0.5 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:30	2945	S Kalankane,D Keaketswe
2947		Grease bearings	1 hr	Fri 05/05/23 14:30	Fri 05/05/23 15:30	2946	S Kalankane,D Keaketswe
2948		Repack glands	1.5 hrs	Fri 05/05/23 15:30	Fri 05/05/23 17:00	2947	S Kalankane,D Keaketswe
2949		Check gland cooling water hoses and correct if necessary	1 hr	Fri 05/05/23 17:00	Fri 05/05/23 18:00	2948	S Kalankane,D Keaketswe
2950		Carry Out or cross check Laser Alignment	3 hrs	Sat 06/05/23 07:00	Sat 06/05/23 10:00	2949	Reliability
2951		Replace Guard	0.5 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:30	2950	S Kalankane,D Keaketswe
2952		Clear Permit	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45	2951	S Kalankane,Operations
2953	**28A2GA02A**	**BITTERNS PUMP B - Replace pump**	**65.25 hrs**	**Sat 06/05/23 10:45**	**Fri 12/05/23 13:30**	**2939**	
2954		Make Out Permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00		Operations
2955		Accept Permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	2954	S Kalankane
2956		Carry out risk assessment	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	2955	G Moeseraela,T Moloi,K Gabantogele,M
2957		Disconnect motor	0.5 hrs	Sat 06/05/23 11:30	Sat 06/05/23 12:00	2956	S Kalankane,D Keaketswe
2958		Remove suction and discharge pipes	1 hr	Sat 06/05/23 12:30	Sat 06/05/23 13:30	2957	M Ramatlhakeng,S Monna,M_Crane7T,

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2959		Rig pump out	1 hr	Sat 06/05/23 13:30	Sat 06/05/23 14:30	2958	G Moeseraela,T Moloi,K Gabantogele,N
2960		Rig in pump	1 hr	Wed 10/05/23 15:30	Wed 10/05/23 16:30	3266	M_Crane7T,G Moeseraela,K Gabantoge
2961		Install discharge pipes	0.5 hrs	Thu 11/05/23 17:45	Fri 12/05/23 07:15	3000	M_Crane7T,G Moeseraela,K Gabantoge
2962		Align and tighten bolts	1 hr	Fri 12/05/23 07:15	Fri 12/05/23 08:15	2961	S Kalankane,D Keaketswe
2963		Check gland cooling water hoses and correct if necessary	1 hr	Fri 12/05/23 08:15	Fri 12/05/23 09:15	2962	S Kalankane,D Keaketswe
2964		Carry Out or cross check Laser Alignment	3 hrs	Fri 12/05/23 09:15	Fri 12/05/23 12:45	2963	S Kalankane,D Keaketswe
2965		Replace Guard	0.5 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:15	2964	S Kalankane,D Keaketswe
2966		Clear Permit	0.25 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:30	2965	S Kalankane,Operations
2967	**28A2FB01**	**BITTERNS TANK - Carry Out Inspection And Repair Rubber Lining**	**10.75 hrs**	**Fri 05/05/23 22:00**	**Sun 07/05/23 07:15**	**2824**	
2968		Erect scaffolding prior	0 hrs	Fri 05/05/23 22:00	Fri 05/05/23 22:00		
2969		Drain Tank	0 hrs	Fri 05/05/23 22:00	Fri 05/05/23 22:00	2968	G Moeseraela,K Gabantogele,T Moloi
2970		Make Out Permit	0.25 hrs	Fri 05/05/23 22:00	Fri 05/05/23 22:15	2969	Operations
2971		Accept Permit	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	2970	S Kalankane,D Keaketswe
2972		Open Manhole Cover	2 hrs	Sat 06/05/23 07:15	Sat 06/05/23 09:15	2971	S Kalankane,D Keaketswe
2973		Identify Defective Areas	3 hrs	Sat 06/05/23 09:15	Sat 06/05/23 12:45	2972	S Kalankane,D Keaketswe
2974		Repair Defective Areas	8 hrs	Sat 06/05/23 12:45	Sat 06/05/23 20:45	2973	Corrocoat
2975		Allow To Cure	4 hrs	Sat 06/05/23 20:45	Sun 07/05/23 00:45	2974	Corrocoat
2976		Box Up Manhole Cover	3.5 hrs	Sun 07/05/23 00:45	Sun 07/05/23 04:15	2975	Operations
2977		Clear Permit	0.25 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:15	2976	S Kalankane,D Keaketswe
2978	**28A2GA04A**	**BITTERNS PUMP A - Replace suction pipes and install suction bellow**	**12 hrs**	**Sat 06/05/23 10:45**	**Sun 07/05/23 12:45**	**2939**	
2979		Fabricate stainless steel pipes prior	0 hrs	Sat 06/05/23 10:45	Sat 06/05/23 10:45		Fab. Workshop
2980		Make out permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	2979	Operations
2981		Accept permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	2980	M Ramatlhakeng,S Monna,S Kalankane
2982		Carry out risk assessment	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	2981	M Ramatlhakeng,S Monna,S Kalankane
2983		Undo bolts	4 hrs	Sat 06/05/23 11:30	Sat 06/05/23 16:00	2982	M Ramatlhakeng,S Monna,S Kalankane
2984		Rig out old pipes	1 hr	Sat 06/05/23 16:00	Sat 06/05/23 17:00	2983	M_Crane7T,G Moeseraela,K Gabantoge
2985		Rig in new pipes	1 hr	Sat 06/05/23 17:00	Sat 06/05/23 18:00	2984	M_Crane7T,G Moeseraela,K Gabantoge
2986		Install suction bellow	1 hr	Sun 07/05/23 07:00	Sun 07/05/23 08:00	2985	M Ramatlhakeng,S Monna,S Kalankane
2987		Align and tighten flange bolts	3 hrs	Sun 07/05/23 08:00	Sun 07/05/23 11:00	2986	M Ramatlhakeng,S Monna,S Kalankane
2988		Housekeeping	1 hr	Sun 07/05/23 11:00	Sun 07/05/23 12:00	2987	M Ramatlhakeng,S Monna,S Kalankane
2989		Clear permit	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	2988	M Ramatlhakeng,S Monna
2990	**28A2GA04B**	**BITTERNS PUMP B - Replace suction pipes and install suction bellow**	**12 hrs**	**Wed 10/05/23 16:30**	**Thu 11/05/23 18:00**		
2991		Fabricate stainless steel pipes prior	0 hrs	Wed 10/05/23 16:30	Wed 10/05/23 16:30	2960	Fab. Workshop
2992		Make out permit	0.25 hrs	Wed 10/05/23 16:30	Wed 10/05/23 16:45	2991	Operations
2993		Accept permit	0.25 hrs	Wed 10/05/23 16:45	Wed 10/05/23 17:00	2992	M Ramatlhakeng,S Monna,S Kalankane
2994		Carry out risk assessment	0.25 hrs	Wed 10/05/23 17:00	Wed 10/05/23 17:15	2993	M Ramatlhakeng,S Monna,S Kalankane
2995		Undo bolts	4 hrs	Wed 10/05/23 17:15	Thu 11/05/23 10:15	2994	M Ramatlhakeng,S Monna,S Kalankane
2996		Rig out old pipes	1 hr	Thu 11/05/23 10:15	Thu 11/05/23 11:15	2995	M_Crane7T,G Moeseraela,K Gabantoge
2997		Rig in new pipes	1 hr	Thu 11/05/23 11:15	Thu 11/05/23 12:45	2996	M_Crane7T,G Moeseraela,K Gabantoge
2998		Install suction bellow	1 hr	Thu 11/05/23 12:45	Thu 11/05/23 13:45	2997	M Ramatlhakeng,S Monna,S Kalankane
2999		Align and tighten flange bolts	3 hrs	Thu 11/05/23 13:45	Thu 11/05/23 16:45	2998	M Ramatlhakeng,S Monna,S Kalankane
3000		Housekeeping	1 hr	Thu 11/05/23 16:45	Thu 11/05/23 17:45	2999	M Ramatlhakeng,S Monna,S Kalankane

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3001		Clear permit	0.25 hrs	Thu 11/05/23 17:45	Thu 11/05/23 18:00	3000	M Ramatlhakeng,S Monna
3002	**28A2GA04A**	**BITTERNS PUMPS - Install Bitterns Make up Pipe**	**9.25 hrs**	**Fri 12/05/23 13:30**	**Sat 13/05/23 11:45**	**2953**	
3003		Fabricate replacement pipe prior	0 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:30		M Ramatlhakeng,S Monna
3004		Make out permit	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45	3003	Operations
3005		Accept permit	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	3004	M Ramatlhakeng,S Monna
3006		Support control valve	0.5 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:30	3005	M Ramatlhakeng,S Monna
3007		Support existing pipe	0.5 hrs	Fri 12/05/23 14:30	Fri 12/05/23 15:00	3006	M-Crane 35Ton,G Moeseraela,T Moloi
3008		Undo flange bolts	1 hr	Fri 12/05/23 15:00	Fri 12/05/23 16:00	3007	M Ramatlhakeng,S Monna
3009		Rig out existing pipe	2 hrs	Fri 12/05/23 16:00	Fri 12/05/23 18:00	3008	M-Crane 35Ton,G Moeseraela,T Moloi
3010		Clean flange faces	0.5 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:30	3009	M Ramatlhakeng,S Monna
3011		Rig in new pipe	2 hrs	Sat 13/05/23 07:30	Sat 13/05/23 09:30	3010	M-Crane 35Ton,G Moeseraela,T Moloi
3012		Tighten bolts	1 hr	Sat 13/05/23 09:30	Sat 13/05/23 10:30	3011	M Ramatlhakeng,S Monna
3013		Remove pipe and valve supports	0.5 hrs	Sat 13/05/23 10:30	Sat 13/05/23 11:00	3012	M-Crane 35Ton,G Moeseraela,T Moloi
3014		Housekeeping	0.5 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:30	3013	M Ramatlhakeng,S Monna
3015		Clear permit	0.25 hrs	Sat 13/05/23 11:30	Sat 13/05/23 11:45	3014	M Ramatlhakeng,S Monna
3016	**28A4FB01**	**THICKENER HOT WASH LINE - Replace Pipe Hangers**	**33.25 hrs**	**Thu 11/05/23 18:00**	**Mon 15/05/23 08:45**	**2990**	
3017		Erect scaffold prior	0 hrs	Thu 11/05/23 18:00	Thu 11/05/23 18:00		M Ramatlhakeng,S Monna
3018		Make out permit	0.25 hrs	Fri 12/05/23 07:00	Fri 12/05/23 07:15	3017	M Ramatlhakeng,S Monna
3019		Accept permit	0.25 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:30	3018	M Ramatlhakeng,S Monna
3020		Conduct risk assessement	0.25 hrs	Fri 12/05/23 07:30	Fri 12/05/23 07:45	3019	M Ramatlhakeng,S Monna
3021		Cut /remove old pipe hangers	16 hrs	Fri 12/05/23 07:45	Sat 13/05/23 13:45	3020	M Ramatlhakeng,S Monna
3022		Install new hangers	16 hrs	Sat 13/05/23 13:45	Mon 15/05/23 08:15	3021	M Ramatlhakeng,S Monna
3023		House keeping	0.25 hrs	Mon 15/05/23 08:15	Mon 15/05/23 08:30	3022	M Ramatlhakeng,S Monna
3024		Clear permit	0.25 hrs	Mon 15/05/23 08:30	Mon 15/05/23 08:45	3023	M Ramatlhakeng,S Monna
3025	**28A2GA01**	**# 1 FILTER FEED PUMP - Carry Out Inpection Service**	**10.25 hrs**	**Fri 12/05/23 13:30**	**Sat 13/05/23 13:15**	**2953**	
3026		Make Out Permit	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45		Operations
3027		Accept Permit	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	3026	S Kalankane,D Keaketswe
3028		Remove Guard	0.5 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:30	3027	S Kalankane,D Keaketswe
3029		Inspect Coupling	1 hr	Fri 12/05/23 14:30	Fri 12/05/23 15:30	3028	S Kalankane,D Keaketswe
3030		Check all mounting bolts	0.5 hrs	Fri 12/05/23 15:30	Fri 12/05/23 16:00	3029	S Kalankane,D Keaketswe
3031		Check condition of the base	1 hr	Fri 12/05/23 16:00	Fri 12/05/23 17:00	3030	S Kalankane,D Keaketswe
3032		Check all flanges both discharge& suction	0.5 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:30	3031	S Kalankane,D Keaketswe
3033		Grease all bearings	1.5 hrs	Fri 12/05/23 17:30	Sat 13/05/23 08:00	3032	S Kalankane,D Keaketswe
3034		Repack glands	1 hr	Sat 13/05/23 08:00	Sat 13/05/23 09:00	3033	S Kalankane,D Keaketswe
3035		Inspect vee belts for wear and replace if necessary	3 hrs	Sat 13/05/23 09:00	Sat 13/05/23 12:00	3034	Reliability
3036		Replace Guard	0.5 hrs	Sat 13/05/23 12:30	Sat 13/05/23 13:00	3035	S Kalankane,D Keaketswe
3037		Clear Permit	0.25 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:15	3036	S Kalankane,D Keaketswe
3038	**28A2GA02**	**# 2 FILTER FEED PUMP - Carry Out Inpection Service**	**10.25 hrs**	**Sat 13/05/23 13:15**	**Sun 14/05/23 13:00**	**3025**	
3039		Make Out Permit	0.25 hrs	Sat 13/05/23 13:15	Sat 13/05/23 13:30		Operations
3040		Accept Permit	0.25 hrs	Sat 13/05/23 13:30	Sat 13/05/23 13:45	3039	S Kalankane,D Keaketswe
3041		Remove Guard	0.5 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:15	3040	S Kalankane,D Keaketswe
3042		Inspect Coupling	1 hr	Sat 13/05/23 14:15	Sat 13/05/23 15:15	3041	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3043		Check all mounting bolts	0.5 hrs	Sat 13/05/23 15:15	Sat 13/05/23 15:45	3042	S Kalankane,D Keaketswe
3044		Check condition of the base	1 hr	Sat 13/05/23 15:45	Sat 13/05/23 16:45	3043	S Kalankane,D Keaketswe
3045		Check all flanges both discharge& suction	0.5 hrs	Sat 13/05/23 16:45	Sat 13/05/23 17:15	3044	S Kalankane,D Keaketswe
3046		Grease all bearings	1.5 hrs	Sat 13/05/23 17:15	Sun 14/05/23 07:45	3045	S Kalankane,D Keaketswe
3047		Repack glands	1 hr	Sun 14/05/23 07:45	Sun 14/05/23 08:45	3046	S Kalankane,D Keaketswe
3048		Inspect vee belts for wear and replace if necessary	3 hrs	Sun 14/05/23 08:45	Sun 14/05/23 11:45	3047	S Kalankane,D Keaketswe
3049		Replace Guard	0.5 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:45	3048	Reliability
3050		Clear Permit	0.25 hrs	Sun 14/05/23 12:45	Sun 14/05/23 13:00	3049	S Kalankane,D Keaketswe
3051	**28A2GA03**	**# 3 FILTER FEED PUMP - Carry Out Inpection Service**	**10.25 hrs**	**Sun 14/05/23 13:00**	**Mon 15/05/23 12:45**	**3038**	
3052		Make Out Permit	0.25 hrs	Sun 14/05/23 13:00	Sun 14/05/23 13:15		Operations
3053		Accept Permit	0.25 hrs	Sun 14/05/23 13:15	Sun 14/05/23 13:30	3052	S Kalankane,D Keaketswe
3054		Remove Guard	0.5 hrs	Sun 14/05/23 13:30	Sun 14/05/23 14:00	3053	S Kalankane,D Keaketswe
3055		Inspect Coupling	1 hr	Sun 14/05/23 14:00	Sun 14/05/23 15:00	3054	S Kalankane,D Keaketswe
3056		Check all mounting bolts	0.5 hrs	Sun 14/05/23 15:00	Sun 14/05/23 15:30	3055	S Kalankane,D Keaketswe
3057		Check condition of the base	1 hr	Sun 14/05/23 15:30	Sun 14/05/23 16:30	3056	S Kalankane,D Keaketswe
3058		Check all flanges both discharge& suction	0.5 hrs	Sun 14/05/23 16:30	Sun 14/05/23 17:00	3057	S Kalankane,D Keaketswe
3059		Grease all bearings	1.5 hrs	Sun 14/05/23 17:00	Mon 15/05/23 07:30	3058	S Kalankane,D Keaketswe
3060		Repack glands	1 hr	Mon 15/05/23 07:30	Mon 15/05/23 08:30	3059	S Kalankane,D Keaketswe
3061		Inspect vee belts for wear and replace if necessary	3 hrs	Mon 15/05/23 08:30	Mon 15/05/23 11:30	3060	S Kalankane,D Keaketswe
3062		Replace Guard	0.5 hrs	Mon 15/05/23 11:30	Mon 15/05/23 12:00	3061	Reliability
3063		Clear Permit	0.25 hrs	Mon 15/05/23 12:30	Mon 15/05/23 12:45	3062	S Kalankane,D Keaketswe
3064	**28A2GK01**	**#A THICKENER PIPES - Replace Slurry Pipes From Thickner To Steady Head Tank**	**20.8 hrs**	**Fri 05/05/23 10:00**	**Sun 07/05/23 09:48**		
3065		Make Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		M Ramatlhakeng,S Monna
3066		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	3065	M Ramatlhakeng,S Monna
3067		Risk Assesment	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	3066	M Ramatlhakeng,S Monna
3068		Order Material	0.2 hrs	Fri 05/05/23 10:45	Fri 05/05/23 10:57	3067	M Ramatlhakeng,S Monna
3069		Measure Pipes And Cut To Sizes	0.2 hrs	Fri 05/05/23 10:57	Fri 05/05/23 11:09	3068	M Ramatlhakeng,S Monna
3070		Flange Pipes	0.2 hrs	Fri 05/05/23 11:09	Fri 05/05/23 11:21	3069	M Ramatlhakeng,S Monna
3071		Weld Pipes	0.2 hrs	Fri 05/05/23 11:21	Fri 05/05/23 11:33	3070	M Ramatlhakeng,S Monna
3072		Transport Pipes To Site	1 hr	Fri 05/05/23 11:33	Fri 05/05/23 13:03	3071	M Ramatlhakeng,S Monna,G Moeserae
3073		Cut Off Old Pipes	5 hrs	Fri 05/05/23 13:03	Sat 06/05/23 07:03	3072	M Ramatlhakeng,S Monna
3074		Rigg Down Old Pipes	2 hrs	Sat 06/05/23 07:03	Sat 06/05/23 09:03	3073	G Moeseraela,T Moloi,K Gabantogele
3075		Rigg Up Old Pipes	2 hrs	Sat 06/05/23 09:03	Sat 06/05/23 11:03	3074	G Moeseraela,T Moloi,K Gabantogele
3076		Join New Pipes And Bolt Up	8 hrs	Sat 06/05/23 11:03	Sun 07/05/23 08:33	3075	S Kalankane,D Keaketswe
3077		House Keeping	0.25 hrs	Sun 07/05/23 08:33	Sun 07/05/23 08:48	3076	S Monna,M Ramatlhakeng
3078		Clear Permit	0.25 hrs	Sun 07/05/23 08:48	Sun 07/05/23 09:03	3077	M Ramatlhakeng,S Monna
3079		Sign Off Permit	0.75 hrs	Sun 07/05/23 09:03	Sun 07/05/23 09:48	3078	M Ramatlhakeng,S Monna
3080	**28A2GK01**	**#B THICKENER PIPES - Replace Slurry Pipes From Thickner To Steady Head Tank**	**20.3 hrs**	**Sun 07/05/23 09:48**	**Tue 09/05/23 09:06**	**3064**	
3081		Make Permit	0.25 hrs	Sun 07/05/23 09:48	Sun 07/05/23 10:03		M Ramatlhakeng,S Monna
3082		Accept Permit	0.25 hrs	Sun 07/05/23 10:03	Sun 07/05/23 10:18	3081	M Ramatlhakeng,S Monna
3083		Risk Assesment	0.25 hrs	Sun 07/05/23 10:18	Sun 07/05/23 10:33	3082	M Ramatlhakeng,S Monna
3084		Order Material	0.2 hrs	Sun 07/05/23 10:33	Sun 07/05/23 10:45	3083	M Ramatlhakeng,S Monna

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3085		Measure Pipes And Cut To Sizes	0.2 hrs	Sun 07/05/23 10:45	Sun 07/05/23 10:57	3084	M Ramatlhakeng,S Monna
3086		Flange Pipes	0.2 hrs	Sun 07/05/23 10:57	Sun 07/05/23 11:09	3085	M Ramatlhakeng,S Monna
3087		Weld Pipes	0.2 hrs	Sun 07/05/23 11:09	Sun 07/05/23 11:21	3086	M Ramatlhakeng,S Monna
3088		Transport Pipes To Site	1 hr	Sun 07/05/23 11:21	Sun 07/05/23 12:51	3087	M Ramatlhakeng,S Monna
3089		Cut Off Old Pipes	5 hrs	Sun 07/05/23 12:51	Sun 07/05/23 17:51	3088	M Ramatlhakeng,S Monna
3090		Rigg Down Old Pipes	2 hrs	Sun 07/05/23 17:51	Mon 08/05/23 08:51	3089	G Moeseraela,T Moloi,K Gabantogele
3091		Rigg Up Old Pipes	2 hrs	Mon 08/05/23 08:51	Mon 08/05/23 10:51	3090	G Moeseraela,T Moloi,K Gabantogele
3092		Join New Pipes And Bolt Up	8 hrs	Mon 08/05/23 10:51	Tue 09/05/23 08:21	3091	S Kalankane,D Keaketswe
3093		House Keeping	0.25 hrs	Tue 09/05/23 08:21	Tue 09/05/23 08:36	3092	D Keaketswe,S Kalankane
3094		Clear Permit	0.25 hrs	Tue 09/05/23 08:36	Tue 09/05/23 08:51	3093	D Keaketswe,S Kalankane
3095		Sign Off Permit	0.25 hrs	Tue 09/05/23 08:51	Tue 09/05/23 09:06	3094	M Ramatlhakeng,S Monna
3096	**28A2GK01**	**DOWN COMER VALVES - Repair Valves 4 Off**	**20.75 hrs**	**Fri 05/05/23 10:00**	**Sun 07/05/23 09:45**		
3097		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
3098		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	3097	S Kalankane,D Keaketswe
3099		Remove Valves	4 hrs	Fri 05/05/23 10:30	Fri 05/05/23 15:00	3098	S Kalankane,D Keaketswe
3100		Overhaul Valves	12 hrs	Fri 05/05/23 15:00	Sat 06/05/23 16:30	3099	S Kalankane,D Keaketswe
3101		Install Valves	4 hrs	Sat 06/05/23 16:30	Sun 07/05/23 09:30	3100	S Kalankane,D Keaketswe
3102		Clear Permit	0.25 hrs	Sun 07/05/23 09:30	Sun 07/05/23 09:45	3101	S Kalankane,D Keaketswe
3103		**ELECTRICAL**	**72.5 hrs**	**Tue 09/05/23 12:45**	**Tue 16/05/23 11:15**	**2827**	
3104	**28A2GA04A**	**BITTERNS PUMP A - Carry out general electrical maintenance**	**6.75 hrs**	**Tue 09/05/23 12:45**	**Wed 10/05/23 08:30**	**3833**	
3105		Make out permit	0.25 hrs	Tue 09/05/23 12:45	Tue 09/05/23 13:00		Operations
3106		Accept permit	0.25 hrs	Tue 09/05/23 13:00	Tue 09/05/23 13:15	3105	L Majoo,O Macheng
3107		Carry out electrical isolation	0.25 hrs	Tue 09/05/23 13:15	Tue 09/05/23 13:30	3106	L Majoo,O Macheng
3108		Check loose connections in the panel	0.5 hrs	Tue 09/05/23 13:30	Tue 09/05/23 14:00	3107	L Majoo,O Macheng
3109		Check Soft starter connections& clear dust	0.5 hrs	Tue 09/05/23 14:00	Tue 09/05/23 14:30	3108	L Majoo,O Macheng
3110		Replace stop start canopy	0.5 hrs	Tue 09/05/23 14:30	Tue 09/05/23 15:00	3109	L Majoo,O Macheng
3111		Service Stop/start	0.5 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:30	3110	L Majoo,O Macheng
3112		Install and connect motor	2 hrs	Tue 09/05/23 15:30	Tue 09/05/23 17:30	3111	G Moeseraela,T Moloi,K Gabantogele,S
3113		Check cable terminal leads for over heating	0.5 hrs	Tue 09/05/23 17:30	Tue 09/05/23 18:00	3112	L Majoo,O Macheng
3114		Tighten Motor connections& check Gland intergrity	0.5 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:30	3113	L Majoo,O Macheng
3115		Check cable terminals in the junction box	0.5 hrs	Wed 10/05/23 07:30	Wed 10/05/23 08:00	3114	L Majoo,O Macheng
3116		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:15	3115	L Majoo,O Macheng
3117		Clear permit	0.25 hrs	Wed 10/05/23 08:15	Wed 10/05/23 08:30	3116	L Majoo,O Macheng
3118	**28A2GA04B**	**BITTERNS PUMP B - Carry out general electrical maintenance**	**5 hrs**	**Wed 10/05/23 08:30**	**Wed 10/05/23 14:00**	**3104**	
3119		Make out permit	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45		Operations
3120		Accept permit	0.25 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:00	3119	L Majoo,O Macheng
3121		Carry out electrical isolation	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15	3120	L Majoo,O Macheng
3122		Check loose connections in the panel	0.5 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:45	3121	L Majoo,O Macheng
3123		Check Soft starter connections& clear dust	0.5 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:15	3122	L Majoo,O Macheng
3124		Replace stop start canopy	0.5 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:45	3123	L Majoo,O Macheng
3125		Service Stop/start	0.5 hrs	Wed 10/05/23 10:45	Wed 10/05/23 11:15	3124	L Majoo,O Macheng
3126		Check fan condition	0.25 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:30	3125	L Majoo,O Macheng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3127		Check cable terminal leads for over heating	0.5 hrs	Wed 10/05/23 11:30	Wed 10/05/23 12:00	3126	L Majoo,O Macheng
3128		Tighten Motor connections& check Gland intergrity	0.5 hrs	Wed 10/05/23 12:30	Wed 10/05/23 13:00	3127	L Majoo,O Macheng
3129		Check cable terminals in the junction box	0.5 hrs	Wed 10/05/23 13:00	Wed 10/05/23 13:30	3128	L Majoo,O Macheng
3130		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 13:30	Wed 10/05/23 13:45	3129	L Majoo,O Macheng
3131		Clear permit	0.25 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:00	3130	L Majoo,O Macheng
3132	**28A2GK01**	**THICKENER RAKE HYDRAULIC DRIVE - Carry out general electrical maintenance**	**14 hrs**	**Wed 10/05/23 14:00**	**Thu 11/05/23 17:30**	**3118**	
3133		Make out permit	0.25 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:15		Operations
3134		Accept permit	0.25 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:30	3133	L Majoo,O Macheng
3135		Carry out electrical isolation	0.25 hrs	Wed 10/05/23 14:30	Wed 10/05/23 14:45	3134	L Majoo,O Macheng
3136		Remove and send motor for repairs	4 hrs	Wed 10/05/23 14:45	Thu 11/05/23 07:45	3135	L Majoo,O Macheng
3137		Check loose connections in the substation panel	0.5 hrs	Thu 11/05/23 07:45	Thu 11/05/23 08:15	3136	L Majoo,O Macheng
3138		Check Contactor contacts	0.5 hrs	Thu 11/05/23 08:15	Thu 11/05/23 08:45	3137	L Majoo,O Macheng
3139		Service Field panel components	2 hrs	Thu 11/05/23 08:45	Thu 11/05/23 10:45	3138	L Majoo,O Macheng
3140		Service Stop/Start	1 hr	Thu 11/05/23 10:45	Thu 11/05/23 11:45	3139	L Majoo,O Macheng
3141		Service all control switches	2 hrs	Thu 11/05/23 11:45	Thu 11/05/23 14:15	3140	L Majoo,O Macheng
3142		Check all junction box connections and ensure sealing intergrity	1 hr	Thu 11/05/23 14:15	Thu 11/05/23 15:15	3141	L Majoo,O Macheng
3143		Renew old labels	1 hr	Thu 11/05/23 15:15	Thu 11/05/23 16:15	3142	L Majoo,O Macheng
3144		Tighten Motor connections& Gland intergrity	0.5 hrs	Thu 11/05/23 16:15	Thu 11/05/23 16:45	3143	L Majoo,O Macheng
3145		Seal for Moisture and dust.	0.5 hrs	Thu 11/05/23 16:45	Thu 11/05/23 17:15	3144	L Majoo,O Macheng
3146		Clear permit	0.25 hrs	Thu 11/05/23 17:15	Thu 11/05/23 17:30	3145	L Majoo,O Macheng
3147	**28A2GK04**	**THICKENER RAKE EASTERN UNIT - Carry out general electrical maintenance**	**9.75 hrs**	**Thu 11/05/23 17:30**	**Fri 12/05/23 16:45**	**3132**	
3148		Make Out Permit	0.25 hrs	Thu 11/05/23 17:30	Thu 11/05/23 17:45		L Majoo,O Macheng
3149		Accept Permit	0.25 hrs	Thu 11/05/23 17:45	Thu 11/05/23 18:00	3148	L Majoo,O Macheng
3150		Carry Out Electrical Isolation	0.25 hrs	Fri 12/05/23 07:00	Fri 12/05/23 07:15	3149	L Majoo,O Macheng
3151		Remove and send motor for repairs	4 hrs	Fri 12/05/23 07:15	Fri 12/05/23 11:15	3150	L Majoo,O Macheng
3152		Check Loose Connections In The field Panel	0.25 hrs	Fri 12/05/23 11:15	Fri 12/05/23 11:30	3151	L Majoo,O Macheng
3153		Check Loose Connections In The substation Panel	0.25 hrs	Fri 12/05/23 11:30	Fri 12/05/23 11:45	3152	L Majoo,O Macheng
3154		Check Contactor Contacts	0.25 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:00	3153	L Majoo,O Macheng
3155		Confirm Correct Setting Of Protections	0.25 hrs	Fri 12/05/23 12:30	Fri 12/05/23 12:45	3154	L Majoo,O Macheng
3156		Check potentiometer connections	0.5 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:15	3155	L Majoo,O Macheng
3157		Service Stop/Start	0.5 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:45	3156	L Majoo,O Macheng
3158		Ensure cable racks are secured	1.5 hrs	Fri 12/05/23 13:45	Fri 12/05/23 15:15	3157	L Majoo,O Macheng
3159		Check Motor Fan Condition	0.5 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:45	3158	L Majoo,O Macheng
3160		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:00	3159	L Majoo,O Macheng
3161		Tighten Motor Connections& Gland Intergrity	0.25 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:15	3160	L Majoo,O Macheng
3162		Seal For Moisture And Dust.	0.25 hrs	Fri 12/05/23 16:15	Fri 12/05/23 16:30	3161	L Majoo,O Macheng
3163		Clear Permit	0.25 hrs	Fri 12/05/23 16:30	Fri 12/05/23 16:45	3162	L Majoo,O Macheng
3164	**28A2GK07**	**THICKENER RAKE WESTERN UNIT - Carry out general electrical maintenance**	**9.75 hrs**	**Fri 12/05/23 16:45**	**Sat 13/05/23 16:00**	**3147**	
3165		Make Out Permit	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00		L Majoo,O Macheng
3166		Accept Permit	0.25 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:15	3165	L Majoo,O Macheng
3167		Carry Out Electrical Isolation	0.25 hrs	Fri 12/05/23 17:15	Fri 12/05/23 17:30	3166	L Majoo,O Macheng
3168		Remove and send motor for repair	4 hrs	Fri 12/05/23 17:30	Sat 13/05/23 10:30	3167	L Majoo,O Macheng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3169		Check Loose Connections In The Panel	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	3168	L Majoo,O Macheng
3170		Check Loose Connections In The substation Panel	0.25 hrs	Sat 13/05/23 10:45	Sat 13/05/23 11:00	3169	L Majoo,O Macheng
3171		Check Contactor Contacts	0.25 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:15	3170	L Majoo,O Macheng
3172		Confirm Correct Setting Of Protections	0.25 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:30	3171	L Majoo,O Macheng
3173		Check potentiometer connections	0.5 hrs	Sat 13/05/23 11:30	Sat 13/05/23 12:00	3172	L Majoo,O Macheng
3174		Service Stop/Start	0.5 hrs	Sat 13/05/23 12:30	Sat 13/05/23 13:00	3173	L Majoo,O Macheng
3175		Ensure cable racks are secured	1.5 hrs	Sat 13/05/23 13:00	Sat 13/05/23 14:30	3174	L Majoo,O Macheng
3176		Check Motor Fan Condition	0.5 hrs	Sat 13/05/23 14:30	Sat 13/05/23 15:00	3175	L Majoo,O Macheng
3177		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 13/05/23 15:00	Sat 13/05/23 15:15	3176	L Majoo,O Macheng
3178		Tighten Motor Connections& Gland Intergrity	0.25 hrs	Sat 13/05/23 15:15	Sat 13/05/23 15:30	3177	L Majoo,O Macheng
3179		Seal For Moisture And Dust.	0.25 hrs	Sat 13/05/23 15:30	Sat 13/05/23 15:45	3178	L Majoo,O Macheng
3180		Clear Permit	0.25 hrs	Sat 13/05/23 15:45	Sat 13/05/23 16:00	3179	L Majoo,O Macheng
3181	**28A2GA01**	**STANDBY FILTER FEED PUMP - Carry out general electrical maintenance**	**9.75 hrs**	**Sat 13/05/23 16:00**	**Sun 14/05/23 15:15**	**3164**	
3182		Make out permit	0.25 hrs	Sat 13/05/23 16:00	Sat 13/05/23 16:15		Operations
3183		Accept permit	0.25 hrs	Sat 13/05/23 16:15	Sat 13/05/23 16:30	3182	L Majoo,O Macheng
3184		Carry out electrical isolation	0.25 hrs	Sat 13/05/23 16:30	Sat 13/05/23 16:45	3183	L Majoo,O Macheng
3185		Disconnect and remove motor and send for repairs	2 hrs	Sat 13/05/23 16:45	Sun 14/05/23 07:45	3184	G Moeseraela,T Moloi,K Gabantogele,S
3186		Replace SWA gland with # 3 compression gland	1 hr	Sun 14/05/23 07:45	Sun 14/05/23 08:45	3185	L Majoo,O Macheng
3187		Check loose connections in the panel	0.5 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:15	3186	L Majoo,O Macheng
3188		Check Contactor contacts	0.5 hrs	Sun 14/05/23 09:15	Sun 14/05/23 09:45	3187	L Majoo,O Macheng
3189		Service Stop/start	0.5 hrs	Sun 14/05/23 09:45	Sun 14/05/23 10:15	3188	L Majoo,O Macheng
3190		Replace with stainless steel box	1 hr	Sun 14/05/23 10:15	Sun 14/05/23 11:15	3189	L Majoo,O Macheng
3191		Install and connect motor	2 hrs	Sun 14/05/23 11:15	Sun 14/05/23 13:45	3190	G Moeseraela,T Moloi,K Gabantogele,S
3192		Check motor fan condition	0.25 hrs	Sun 14/05/23 13:45	Sun 14/05/23 14:00	3191	L Majoo,O Macheng
3193		Check cable terminal leads for over heating	0.25 hrs	Sun 14/05/23 14:00	Sun 14/05/23 14:15	3192	L Majoo,O Macheng
3194		Tighten Motor connections & Gland intergrity	0.5 hrs	Sun 14/05/23 14:15	Sun 14/05/23 14:45	3193	L Majoo,O Macheng
3195		Seal for Moisture and dust.	0.25 hrs	Sun 14/05/23 14:45	Sun 14/05/23 15:00	3194	L Majoo,O Macheng
3196		Clear permit	0.25 hrs	Sun 14/05/23 15:00	Sun 14/05/23 15:15	3195	L Majoo,O Macheng
3197	**28A2GA02**	**B LINE FILTER FEED PUMPS - Carry out general electrical maintenance**	**9 hrs**	**Sun 14/05/23 15:15**	**Mon 15/05/23 13:45**	**3181**	
3198		Make out permit	0.25 hrs	Sun 14/05/23 15:15	Sun 14/05/23 15:30		Operations
3199		Accept permit	0.25 hrs	Sun 14/05/23 15:30	Sun 14/05/23 15:45	3198	L Majoo,O Macheng
3200		Carry out electrical isolation	0.25 hrs	Sun 14/05/23 15:45	Sun 14/05/23 16:00	3199	L Majoo,O Macheng
3201		Replace SWA gland with # 3 compression gland	0.5 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:30	3200	L Majoo,O Macheng
3202		Disconnect and remove motor and send for repairs	2 hrs	Sun 14/05/23 16:30	Mon 15/05/23 07:30	3201	G Moeseraela,T Moloi,K Gabantogele,S
3203		Check loose connections in the panel	0.5 hrs	Mon 15/05/23 07:30	Mon 15/05/23 08:00	3202	L Majoo,O Macheng
3204		Check Contactor contacts	0.5 hrs	Mon 15/05/23 08:00	Mon 15/05/23 08:30	3203	L Majoo,O Macheng
3205		Replace with stainless steel box	1 hr	Mon 15/05/23 08:30	Mon 15/05/23 09:30	3204	L Majoo,O Macheng
3206		Service Stop/start	0.5 hrs	Mon 15/05/23 09:30	Mon 15/05/23 10:00	3205	L Majoo,O Macheng
3207		Install and connect motor	2 hrs	Mon 15/05/23 10:00	Mon 15/05/23 12:00	3206	G Moeseraela,T Moloi,K Gabantogele,S
3208		Check cable terminal leads for over heating	0.25 hrs	Mon 15/05/23 12:30	Mon 15/05/23 12:45	3207	L Majoo,O Macheng
3209		Tighten Motor connections & Gland intergrity	0.5 hrs	Mon 15/05/23 12:45	Mon 15/05/23 13:15	3208	L Majoo,O Macheng
3210		Seal for Moisture and dust.	0.25 hrs	Mon 15/05/23 13:15	Mon 15/05/23 13:30	3209	L Majoo,O Macheng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3211		Clear permit	0.25 hrs	Mon 15/05/23 13:30	Mon 15/05/23 13:45	3210	L Majoo,O Macheng
3212	**28A2GA03**	**A LINE FILTER FEED PUMPS - Carry out general electrical maintenance**	**8.5 hrs**	**Mon 15/05/23 13:45**	**Tue 16/05/23 11:15**	**3197**	
3213		Make out permit	0.25 hrs	Mon 15/05/23 13:45	Mon 15/05/23 14:00		Operations
3214		Accept permit	0.25 hrs	Mon 15/05/23 14:00	Mon 15/05/23 14:15	3213	L Majoo,O Macheng
3215		Carry out electrical isolation	0.25 hrs	Mon 15/05/23 14:15	Mon 15/05/23 14:30	3214	L Majoo,O Macheng
3216		Replace SWA gland with # 3 compression gland	0.5 hrs	Mon 15/05/23 14:30	Mon 15/05/23 15:00	3215	L Majoo,O Macheng
3217		Disconnect and remove motor and send for repairs	2 hrs	Mon 15/05/23 14:30	Mon 15/05/23 16:30	3215	G Moeseraela,T Moloi,K Gabantogele,S
3218		Check loose connections in the panel	0.5 hrs	Mon 15/05/23 16:30	Mon 15/05/23 17:00	3217	L Majoo,O Macheng
3219		Check Contactor contacts	0.5 hrs	Mon 15/05/23 17:00	Mon 15/05/23 17:30	3218	L Majoo,O Macheng
3220		Replace with stainless steel box	1 hr	Mon 15/05/23 17:30	Tue 16/05/23 07:30	3219	L Majoo,O Macheng
3221		Service Stop/start	0.5 hrs	Tue 16/05/23 07:30	Tue 16/05/23 08:00	3220	L Majoo,O Macheng
3222		Install and connect motor	2 hrs	Tue 16/05/23 08:00	Tue 16/05/23 10:00	3221	G Moeseraela,T Moloi,K Gabantogele,S
3223		Check cable terminal leads for over heating	0.25 hrs	Tue 16/05/23 10:00	Tue 16/05/23 10:15	3222	L Majoo,O Macheng
3224		Tighten Motor connections & Gland intergrity	0.5 hrs	Tue 16/05/23 10:15	Tue 16/05/23 10:45	3223	L Majoo,O Macheng
3225		Seal for Moisture and dust.	0.25 hrs	Tue 16/05/23 10:45	Tue 16/05/23 11:00	3224	L Majoo,O Macheng
3226		Clear permit	0.25 hrs	Tue 16/05/23 11:00	Tue 16/05/23 11:15	3225	L Majoo,O Macheng
3227		**INSTRUMENTATION**	**28.5 hrs**	**Fri 05/05/23 10:00**	**Sun 07/05/23 18:00**	**2829SS**	
3228	**28DI 001**	**# 1 DENSITY METER - Inspection**	**2.75 hrs**	**Fri 05/05/23 10:00**	**Fri 05/05/23 13:15**		
3229		Make out permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
3230		Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	3229	O Jacob,K Dijeng
3231		Inspect meter	2 hrs	Fri 05/05/23 10:30	Fri 05/05/23 13:00	3230	O Jacob,K Dijeng
3232		Clear permit	0.25 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:15	3231	O Jacob,K Dijeng
3233	**28DI 002**	**# 2 DENSITY METER - Inspection**	**2.75 hrs**	**Fri 05/05/23 13:15**	**Fri 05/05/23 16:00**	**3228**	
3234		Make out permit	0.25 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:30		Operations
3235		Accept permit	0.25 hrs	Fri 05/05/23 13:30	Fri 05/05/23 13:45	3234	O Jacob,K Dijeng
3236		Inspect meter	2 hrs	Fri 05/05/23 13:45	Fri 05/05/23 15:45	3235	O Jacob,K Dijeng
3237		Clear permit	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00	3236	O Jacob,K Dijeng
3238	**28FC008**	**BITTERNS DISPOSAL FLOW - Remove and overhaul**	**11.5 hrs**	**Fri 05/05/23 16:00**	**Sat 06/05/23 17:00**	**3233**	
3239		Erect scaffold (prior)	0 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:00		RSC Scaffolding
3240		Make out permit	0.25 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:15	3239	O Jacob,K Dijeng
3241		Accept permit	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30	3240	O Jacob,K Dijeng
3242		Disconnect instruments	1 hr	Fri 05/05/23 16:30	Fri 05/05/23 17:30	3241	RSC Scaffolding,G Moeseraela,T Moloi,I
3243		Remove valve	3 hrs	Fri 05/05/23 17:30	Sat 06/05/23 09:30	3242	O Jacob,K Dijeng
3244		Overhaul valve	5.5 hrs	Sat 06/05/23 09:30	Sat 06/05/23 15:00	3243	RSC Scaffolding,G Moeseraela,T Moloi,I
3245		Install valve	1.5 hrs	Sat 06/05/23 15:00	Sat 06/05/23 16:30	3244	O Jacob,K Dijeng
3246		Stroke check valve	0.25 hrs	Sat 06/05/23 16:30	Sat 06/05/23 16:45	3245	O Jacob,K Dijeng
3247		Clear permit	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00	3246	O Jacob,K Dijeng
3248	**28LC001**	**BITTERNS MAKEUP LEVEL - Remove and overhaul**	**11.5 hrs**	**Sat 06/05/23 17:00**	**Sun 07/05/23 18:00**	**3238**	
3249		Erect scaffold (prior)	0 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:00		RSC Scaffolding
3250		Make out permit	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15	3249	O Jacob,K Dijeng
3251		Accept permit	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	3250	O Jacob,K Dijeng
3252		Disconnect instruments	1.5 hrs	Sat 06/05/23 17:30	Sun 07/05/23 07:30	3251	RSC Scaffolding,G Moeseraela,T Moloi,I

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3253		Remove valve	3 hrs	Sun 07/05/23 07:30	Sun 07/05/23 10:30	3252	O Jacob,K Dijeng
3254		Overhaul valve	5.5 hrs	Sun 07/05/23 10:30	Sun 07/05/23 16:00	3253	RSC Scaffolding,G Moeseraela,T Moloi,I
3255		Install valve	1.5 hrs	Sun 07/05/23 16:00	Sun 07/05/23 17:30	3254	O Jacob,K Dijeng
3256		Stroke check valve	0.25 hrs	Sun 07/05/23 17:30	Sun 07/05/23 17:45	3255	O Jacob,K Dijeng
3257		Clear permit	0.25 hrs	Sun 07/05/23 17:45	Sun 07/05/23 18:00	3256	O Jacob,K Dijeng
3258		**CIVIL WORKS**	**58 hrs**	**Fri 05/05/23 10:00**	**Wed 10/05/23 16:00**	**2827**	
3259	**28A2GA04B**	**#2 BITTERNS PUMP - Repair concrete base**	**43.5 hrs**	**Sat 06/05/23 14:30**	**Wed 10/05/23 16:00**		
3260		Issue Permit To Work	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	2959	Operations
3261		Accept permit	0.5 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:15	3260	Seisa
3262		Modify base frames	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	3261	Builders
3263		Erect formwork	8 hrs	Sat 06/05/23 15:30	Sun 07/05/23 13:00	3262	Builders
3264		Cast concrete	12 hrs	Sun 07/05/23 13:00	Mon 08/05/23 14:30	3263	Builders
3265		Curing time	48 hrs	Mon 08/05/23 14:30	Wed 10/05/23 14:30	3264	
3266		Housekeeping	1 hr	Wed 10/05/23 14:30	Wed 10/05/23 15:30	3265	Builders
3267		Clear Permit To Work	0.5 hrs	Wed 10/05/23 15:30	Wed 10/05/23 16:00	3266	Seisa,Operations
3268	**28A4FB01**	**THICKENER CONTROL VALVE - Install roof cover**	**11 hrs**	**Fri 05/05/23 10:00**	**Sat 06/05/23 10:30**		
3269		Make Out Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
3270		Accept Permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	3269	Civils
3271		Erect roof stand	4 hrs	Fri 05/05/23 10:30	Fri 05/05/23 15:00	3270	M Ramatlhakeng,S Monna
3272		Install roof cladding	4 hrs	Fri 05/05/23 15:00	Sat 06/05/23 08:00	3271	Civils
3273		Secure cladding	2 hrs	Sat 06/05/23 08:00	Sat 06/05/23 10:00	3272	Civils
3274		Housekeeping	0.5 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:30	3273	Civils
3275		Clear Permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Civils
3276	**Area 28B**	**BICARBONATE FILTRATION - A LINE**	**294.75 hrs**	**Wed 03/05/23 06:30**	**Mon 15/05/23 13:15**		
3277		**OPERATIONS**	**47.5 hrs**	**Wed 03/05/23 06:30**	**Sun 07/05/23 13:00**		
3278		**PLANT STOPPAGE**	**1.5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 08:30**	**2**	
3279		Stop plant and flush circuit	2 hrs	Wed 03/05/23 06:30	Wed 03/05/23 08:30		Operations
3280		**CO2 COMPRESSOR HOUSING - Wash inside and outside**	**12 hrs**	**Wed 03/05/23 18:30**	**Thu 04/05/23 06:30**	**3278SS+1 d**	
3281		Organize Hoses And Ladder (Prior)	0 hrs	Wed 03/05/23 18:30	Wed 03/05/23 18:30		Operations
3282		Wash floors	6 hrs	Wed 03/05/23 18:30	Thu 04/05/23 00:30	3281	Operations
3283		Wash externally	6 hrs	Thu 04/05/23 00:30	Thu 04/05/23 06:30	3282	Operations
3284	**28B2FB01**	**FILTRATE RECIEVERS - Clean Recievers**	**24.25 hrs**	**Thu 04/05/23 07:00**	**Fri 05/05/23 07:15**	**3278SS+1 d**	
3285		Make Out Permit	0.25 hrs	Thu 04/05/23 07:00	Thu 04/05/23 07:15		S Kalankane,D Keaketswe
3286		Accept Permit	0.25 hrs	Thu 04/05/23 07:15	Thu 04/05/23 07:30	3285	Operations
3287		Carry Out Risk Assesment	0.25 hrs	Thu 04/05/23 07:30	Thu 04/05/23 07:45	3286	Operations
3288		Primary Filtrate Tank	3 hrs	Thu 04/05/23 07:45	Thu 04/05/23 10:45	3287	Operations
3289		Secondary Filtrate Tank	3 hrs	Thu 04/05/23 10:45	Thu 04/05/23 13:45	3288	Operations
3290		Third Stage Filtrate Tank	3 hrs	Thu 04/05/23 13:45	Thu 04/05/23 16:45	3289	Operations
3291		Fourth Filtrate Tank	3 hrs	Thu 04/05/23 16:45	Thu 04/05/23 19:45	3290	Operations
3292		Clear Permit	0.25 hrs	Thu 04/05/23 19:45	Fri 05/05/23 07:15	3291	Operations
3293	**28B4FT01**	**VACUUM PUMP HOT WELL SUMP - Clean Hot Well Sump**	**29.5 hrs**	**Wed 03/05/23 18:30**	**Fri 05/05/23 00:00**	**3278SS+1 d**	
3294		Organize A Submersible Pump (Prior)	0 hrs	Wed 03/05/23 18:30	Wed 03/05/23 18:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3295		Make Out Permit	0.25 hrs	Wed 03/05/23 18:30	Wed 03/05/23 18:45	3294	Operations
3296		Accept Permit	0.25 hrs	Wed 03/05/23 18:45	Wed 03/05/23 19:00	3295	Operations
3297		Pump/Drain Hot Well Sump	2.5 hrs	Wed 03/05/23 19:00	Wed 03/05/23 21:30	3296	Operations
3298		Remove Hot Well Sump Covers	2 hrs	Wed 03/05/23 21:30	Wed 03/05/23 23:30	3297	Operations
3299		Organize A Vessel Entry Permit	0.25 hrs	Wed 03/05/23 23:30	Wed 03/05/23 23:45	3298	Operations
3300		Clean The Hot Well Sump	24 hrs	Wed 03/05/23 23:45	Thu 04/05/23 23:45	3299	Operations
3301		Clear Permit	0.25 hrs	Thu 04/05/23 23:45	Fri 05/05/23 00:00	3300	Operations
3302	**28B2GK01**	**SLURRY HEAD TANK - Cleaning The Slurry Head Tank**	**30.75 hrs**	**Wed 03/05/23 18:30**	**Fri 05/05/23 01:15**	**3278SS+1 d**	
3303		Organize Hoses And Ladder (Prior)	0 hrs	Wed 03/05/23 18:30	Wed 03/05/23 18:30		Operations
3304		Make Out Permit	0.25 hrs	Wed 03/05/23 18:30	Wed 03/05/23 18:45	3303	Operations
3305		Accept Permit	0.25 hrs	Wed 03/05/23 18:45	Wed 03/05/23 19:00	3304	Operations
3306		Drain Slurry Head Tank	8 hrs	Wed 03/05/23 19:00	Thu 04/05/23 03:00	3305	Operations
3307		Clean Slurry Head Tank	16 hrs	Thu 04/05/23 03:00	Thu 04/05/23 19:00	3306	Operations
3308		Inspect Tank Internal	2 hrs	Thu 04/05/23 03:00	Thu 04/05/23 05:00	3307SS	Operations
3309		Possible repairs	20 hrs	Thu 04/05/23 05:00	Fri 05/05/23 01:00	3308	Operations
3310		Clear Permit	0.25 hrs	Fri 05/05/23 01:00	Fri 05/05/23 01:15	3309	Operations
3311	**28A2ST01**	**FILTRATION SCRUCTURE - Clean structure**	**48.5 hrs**	**Fri 05/05/23 01:15**	**Sun 07/05/23 01:45**	**3302**	
3312		Make out permit	0.25 hrs	Fri 05/05/23 01:15	Fri 05/05/23 01:30		Operations
3313		Clean Filtration structure	48 hrs	Fri 05/05/23 01:30	Sun 07/05/23 01:30	3312	Operations
3314		Accept permit	0.25 hrs	Sun 07/05/23 01:30	Sun 07/05/23 01:45	3313	Operations
3315	**28B2FB08**	**CLOTH WASH TANK - Cleaning**	**11.25 hrs**	**Sun 07/05/23 01:45**	**Sun 07/05/23 13:00**	**3311**	
3316		Organize A Submersible Pump (Prior)	0 hrs	Sun 07/05/23 01:45	Sun 07/05/23 01:45		Operations
3317		Make Out Permit	0.25 hrs	Sun 07/05/23 01:45	Sun 07/05/23 02:00	3316	Operations
3318		Accept Permit	0.25 hrs	Sun 07/05/23 02:00	Sun 07/05/23 02:15	3317	Operations
3319		Rig out top manhole cover	2 hrs	Sun 07/05/23 02:15	Sun 07/05/23 04:15	3318	Operations
3320		Break and remove pump suction spool pieces	3 hrs	Sun 07/05/23 04:15	Sun 07/05/23 07:15	3319	Operations
3321		Clean tank	3 hrs	Sun 07/05/23 07:15	Sun 07/05/23 10:15	3320	Operations
3322		Mop floor	0.5 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:45	3321	Operations
3323		Rig in top manhole cover	2 hrs	Sun 07/05/23 10:45	Sun 07/05/23 12:45	3322	Operations
3324		Clear permit	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	3323	Operations
3325		**MAINTENANCE STARTS**	**0 hrs**	**Wed 03/05/23 11:00**	**Wed 03/05/23 11:00**	**3278SS+4 h**	
3326		Maintenance jobs commence	0 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:00		
3327		**MECHANICAL**	**127.75 hrs**	**Wed 03/05/23 11:00**	**Mon 15/05/23 13:15**	**3325**	
3328	**28B2FK01**	**# A BELT FILTER GEARBOX - Filter Drive Unit Change Oil**	**4.25 hrs**	**Wed 03/05/23 11:00**	**Wed 03/05/23 15:45**		
3329		Make Out Permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		Operations
3330		Accept Permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	3329	S Kalankane,D Keaketswe
3331		Carry Out Risk Assesment	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	3330	S Kalankane,D Keaketswe
3332		Prepare An Empty Drum For The Used Oil And Have It Readily Available	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00	3331	S Kalankane,D Keaketswe
3333		Connect Hose To The Drain Valve And Direct It To The Empty Drum	0.5 hrs	Wed 03/05/23 12:30	Wed 03/05/23 13:00	3332	S Kalankane,D Keaketswe
3334		Remove The Breather And Open Drain Valve	0.25 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:15	3333	S Kalankane,D Keaketswe
3335		Flush The Gear Box	0.5 hrs	Wed 03/05/23 13:15	Wed 03/05/23 13:45	3334	S Kalankane,D Keaketswe
3336		Close The Drain Valve And Remove The Hose	0.25 hrs	Wed 03/05/23 13:45	Wed 03/05/23 14:00	3335	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3337		Open The Filler Plug	0.25 hrs	Wed 03/05/23 14:00	Wed 03/05/23 14:15	3336	S Kalankane,D Keaketswe
3338		Re Fill To The Correct Level	0.5 hrs	Wed 03/05/23 14:15	Wed 03/05/23 14:45	3337	S Kalankane,D Keaketswe
3339		Replace The Breather	0.25 hrs	Wed 03/05/23 14:45	Wed 03/05/23 15:00	3338	S Kalankane,D Keaketswe
3340		Close The Filler Plug	0.25 hrs	Wed 03/05/23 15:00	Wed 03/05/23 15:15	3339	S Kalankane,D Keaketswe
3341		Carry Out House Keeping	0.25 hrs	Wed 03/05/23 15:15	Wed 03/05/23 15:30	3340	S Kalankane,D Keaketswe
3342		Clear Permit	0.25 hrs	Wed 03/05/23 15:30	Wed 03/05/23 15:45	3341	S Kalankane,D Keaketswe
3343	**28B2RE01**	**# A BICARBONATE BELT CONVEYOR - Relag pulleys**	**22 hrs**	**Fri 05/05/23 14:30**	**Sun 07/05/23 15:30**	**3326SS+2 d**	
3344		Make Out Permit	0.25 hrs	Fri 05/05/23 14:30	Fri 05/05/23 14:45		Operations
3345		Accept Permit	0.25 hrs	Fri 05/05/23 14:45	Fri 05/05/23 15:00	3344	S Kalankane,D Keaketswe
3346		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:15	3345	S Kalankane,D Keaketswe
3347		Slack belt	0.5 hrs	Fri 05/05/23 15:15	Fri 05/05/23 15:45	3346	S Kalankane,D Keaketswe
3348		Undo head pulley plummer block holding down bolts	0.5 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:15	3347	S Kalankane,D Keaketswe
3349		Rig out head pulley	1 hr	Fri 05/05/23 16:15	Fri 05/05/23 17:15	3348	Riggers
3350		Peel off rubberlining	4 hrs	Fri 05/05/23 17:15	Sat 06/05/23 10:15	3349	Horizons
3351		Relag pulley	2 hrs	Sat 06/05/23 10:15	Sat 06/05/23 12:45	3350	Horizons
3352		Curing time	6 hrs	Sat 06/05/23 12:45	Sat 06/05/23 18:45	3351	
3353		Inspect bearings	0.5 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:30	3352	S Kalankane,D Keaketswe
3354		Possible replacement	4 hrs	Sun 07/05/23 07:30	Sun 07/05/23 11:30	3353	S Kalankane,D Keaketswe
3355		Rig in pulley	1 hr	Sun 07/05/23 11:30	Sun 07/05/23 13:00	3354	S Kalankane,D Keaketswe
3356		Position and secure pulley	1 hr	Sun 07/05/23 13:00	Sun 07/05/23 14:00	3355	S Kalankane,D Keaketswe
3357		Tighten bolts	0.5 hrs	Sun 07/05/23 14:00	Sun 07/05/23 14:30	3356	S Kalankane,D Keaketswe
3358		Rig out tail pulley	1 hr	Fri 05/05/23 17:15	Sat 06/05/23 07:15	3349	Riggers
3359		Undo tail pulley plummer block holding down bolts	0.5 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:45	3358	S Kalankane,D Keaketswe
3360		Rig out tail pulley	1 hr	Sat 06/05/23 07:45	Sat 06/05/23 08:45	3359	Riggers
3361		Peel off rubberlining	4 hrs	Sat 06/05/23 08:45	Sat 06/05/23 13:15	3360	Horizons
3362		Relag pulley	2 hrs	Sat 06/05/23 13:15	Sat 06/05/23 15:15	3361	Horizons
3363		Curing time	6 hrs	Sat 06/05/23 15:15	Sat 06/05/23 21:15	3362	
3364		Inspect bearings	0.5 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:30	3363	S Kalankane,D Keaketswe
3365		Possible replacement	4 hrs	Sun 07/05/23 07:30	Sun 07/05/23 11:30	3364	S Kalankane,D Keaketswe
3366		Rig in pulley	1 hr	Sun 07/05/23 11:30	Sun 07/05/23 13:00	3365	Riggers
3367		Position and secure pulley	1 hr	Sun 07/05/23 13:00	Sun 07/05/23 14:00	3366	S Kalankane,D Keaketswe
3368		Tighten bolts	0.5 hrs	Sun 07/05/23 14:00	Sun 07/05/23 14:30	3367	S Kalankane,D Keaketswe
3369		Slack belt	0.5 hrs	Sun 07/05/23 14:30	Sun 07/05/23 15:00	3368	S Kalankane,D Keaketswe
3370		Carry Out Housekeeping	0.25 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:15	3369	S Kalankane,D Keaketswe
3371		Clear Permit	0.25 hrs	Sun 07/05/23 15:15	Sun 07/05/23 15:30	3370	S Kalankane,D Keaketswe
3372	**28B2GA07**	**# 1 CLOTH WASH PUMP - Carry Out Inspection**	**11.25 hrs**	**Wed 03/05/23 11:00**	**Thu 04/05/23 11:45**		
3373		Make Out Permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		Operations
3374		Accept Permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	3373	S Kalankane,D Keaketswe
3375		Remove Guard	0.5 hrs	Wed 03/05/23 11:30	Wed 03/05/23 12:00	3374	S Kalankane,D Keaketswe
3376		Inspect Coupling	1 hr	Wed 03/05/23 12:30	Wed 03/05/23 13:30	3375	S Kalankane,D Keaketswe
3377		Check all mounting bolts	0.5 hrs	Wed 03/05/23 13:30	Wed 03/05/23 14:00	3376	S Kalankane,D Keaketswe
3378		Check condition of the base	1 hr	Wed 03/05/23 14:00	Wed 03/05/23 15:00	3377	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3379		Check all flanges both discharge& suction	0.5 hrs	Wed 03/05/23 15:00	Wed 03/05/23 15:30	3378	S Kalankane,D Keaketswe
3380		Inspect all belows	1 hr	Wed 03/05/23 15:30	Wed 03/05/23 16:30	3379	S Kalankane,D Keaketswe
3381		Drain& Refill Oil	1.5 hrs	Wed 03/05/23 16:30	Wed 03/05/23 18:00	3380	S Kalankane,D Keaketswe
3382		Repack glands	1 hr	Thu 04/05/23 07:00	Thu 04/05/23 08:00	3381	S Kalankane,D Keaketswe
3383		Carry Out or cross check Laser Alignment	3 hrs	Thu 04/05/23 08:00	Thu 04/05/23 11:00	3382	Reliability
3384		Replace Guard	0.5 hrs	Thu 04/05/23 11:00	Thu 04/05/23 11:30	3383	S Kalankane,D Keaketswe
3385		Clear Permit	0.25 hrs	Thu 04/05/23 11:30	Thu 04/05/23 11:45	3384	S Kalankane,D Keaketswe
3386	**28B2GA08**	**# 2 CLOTH WASH PUMP - Carry Out Inspection**	**11.25 hrs**	**Thu 04/05/23 11:45**	**Fri 05/05/23 13:00**	**3372**	
3387		Make Out Permit	0.25 hrs	Thu 04/05/23 11:45	Thu 04/05/23 12:00		Operations
3388		Accept Permit	0.25 hrs	Thu 04/05/23 12:30	Thu 04/05/23 12:45	3387	S Kalankane,D Keaketswe
3389		Remove Guard	0.5 hrs	Thu 04/05/23 12:45	Thu 04/05/23 13:15	3388	S Kalankane,D Keaketswe
3390		Inspect Coupling	1 hr	Thu 04/05/23 13:15	Thu 04/05/23 14:15	3389	S Kalankane,D Keaketswe
3391		Check all mounting bolts	0.5 hrs	Thu 04/05/23 14:15	Thu 04/05/23 14:45	3390	S Kalankane,D Keaketswe
3392		Check condition of the base	1 hr	Thu 04/05/23 14:45	Thu 04/05/23 15:45	3391	S Kalankane,D Keaketswe
3393		Check all flanges both discharge& suction	0.5 hrs	Thu 04/05/23 15:45	Thu 04/05/23 16:15	3392	S Kalankane,D Keaketswe
3394		Inspect all belows	1 hr	Thu 04/05/23 16:15	Thu 04/05/23 17:15	3393	S Kalankane,D Keaketswe
3395		Drain& Refill Oil	1.5 hrs	Thu 04/05/23 17:15	Fri 05/05/23 07:45	3394	S Kalankane,D Keaketswe
3396		Repack glands	1 hr	Fri 05/05/23 07:45	Fri 05/05/23 08:45	3395	S Kalankane,D Keaketswe
3397		Carry Out or cross check Laser Alignment	3 hrs	Fri 05/05/23 08:45	Fri 05/05/23 11:45	3396	Reliability
3398		Replace Guard	0.5 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:45	3397	S Kalankane,D Keaketswe
3399		Clear Permit	0.25 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:00	3398	S Kalankane,D Keaketswe
3400	**28B2GA01A**	**# A PRIMARY FILTRATE PUMP A1 - Overhaul Pump**	**22.85 hrs**	**Wed 03/05/23 11:00**	**Fri 05/05/23 13:21**		
3401		Make Out Permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		Operations
3402		Accept Permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	3401	S Kalankane,D Keaketswe
3403		Carry Out Risk Assesment	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	3402	S Kalankane,D Keaketswe
3404		Close Gland Service Water Valve And Disconnect Pipe	0.1 hrs	Wed 03/05/23 11:45	Wed 03/05/23 11:51	3403	S Kalankane,D Keaketswe
3405		Remove Guard	0.25 hrs	Wed 03/05/23 11:51	Wed 03/05/23 12:36	3404	S Kalankane,D Keaketswe
3406		Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Wed 03/05/23 12:36	Wed 03/05/23 12:51	3405	S Kalankane,D Keaketswe
3407		Remove V Belts And Inspect Them	0.5 hrs	Wed 03/05/23 12:51	Wed 03/05/23 13:21	3406	S Kalankane,D Keaketswe
3408		Undo The Bottom Nut For The Adjusting Studs	0.5 hrs	Wed 03/05/23 13:21	Wed 03/05/23 13:51	3407	S Kalankane,D Keaketswe
3409		Lift The Motor And Its Base To Separate It From The Pump	1 hr	Wed 03/05/23 13:51	Wed 03/05/23 14:51	3408	S Kalankane,D Keaketswe
3410		Loosen, Remove All The Pump Mounting Bolts, Rig out & transport to workshop	3 hrs	Wed 03/05/23 14:51	Wed 03/05/23 17:51	3409	G Moeseraela,T Moloi,K Gabantogele,S
3411		Strip and overhaul	12 hrs	Wed 03/05/23 17:51	Fri 05/05/23 08:21	3410	S Kalankane,D Keaketswe
3412		Transport Pump To The Site	0.5 hrs	Fri 05/05/23 08:21	Fri 05/05/23 08:51	3411	S Kalankane,D Keaketswe
3413		Rig In Position And Secure	1.5 hrs	Fri 05/05/23 08:51	Fri 05/05/23 10:21	3412	G Moeseraela,T Moloi,K Gabantogele,S
3414		Rig In Motor And Its Base	0.5 hrs	Fri 05/05/23 10:21	Fri 05/05/23 10:51	3413	G Moeseraela,T Moloi,K Gabantogele,S
3415		Align The Motor And Pump Pulley	0.5 hrs	Fri 05/05/23 10:51	Fri 05/05/23 11:21	3414	S Kalankane,D Keaketswe
3416		Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Fri 05/05/23 11:21	Fri 05/05/23 11:51	3415	S Kalankane,D Keaketswe
3417		Replace Guards And Secure	0.25 hrs	Fri 05/05/23 11:51	Fri 05/05/23 12:36	3416	S Kalankane,D Keaketswe
3418		Carry Out House Keeping	0.25 hrs	Fri 05/05/23 12:36	Fri 05/05/23 12:51	3417	S Kalankane,D Keaketswe
3419		Sign Off Permit	0.25 hrs	Fri 05/05/23 12:51	Fri 05/05/23 13:06	3418	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3420		Clear Permit	0.25 hrs	Fri 05/05/23 13:06	Fri 05/05/23 13:21	3419	S Kalankane,D Keaketswe
3421	**28B2GA01B**	**# A PRIMARY FILTRATE PUMP A2 - Overhaul Pump**	**22.85 hrs**	**Fri 05/05/23 13:21**	**Sun 07/05/23 15:12**	**3400**	
3422		Make Out Permit	0.25 hrs	Fri 05/05/23 13:21	Fri 05/05/23 13:36		Operations
3423		Accept Permit	0.25 hrs	Fri 05/05/23 13:36	Fri 05/05/23 13:51	3422	S Kalankane,D Keaketswe
3424		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 13:51	Fri 05/05/23 14:06	3423	S Kalankane,D Keaketswe
3425		Close Gland Service Water Valve And Disconnect Pipe	0.1 hrs	Fri 05/05/23 14:06	Fri 05/05/23 14:12	3424	S Kalankane,D Keaketswe
3426		Remove Guard	0.25 hrs	Fri 05/05/23 14:12	Fri 05/05/23 14:27	3425	S Kalankane,D Keaketswe
3427		Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Fri 05/05/23 14:27	Fri 05/05/23 14:42	3426	S Kalankane,D Keaketswe
3428		Remove V Belts And Inspect Them	0.5 hrs	Fri 05/05/23 14:42	Fri 05/05/23 15:12	3427	S Kalankane,D Keaketswe
3429		Undo The Bottom Nut For The Adjusting Studs	0.5 hrs	Fri 05/05/23 15:12	Fri 05/05/23 15:42	3428	S Kalankane,D Keaketswe
3430		Lift The Motor And Its Base To Separate It From The Pump	1 hr	Fri 05/05/23 15:42	Fri 05/05/23 16:42	3429	S Kalankane,D Keaketswe
3431		Loosen, Remove All The Pump Mounting Bolts, Rig out & transport to workshop	3 hrs	Fri 05/05/23 16:42	Sat 06/05/23 08:42	3430	G Moeseraela,T Moloi,K Gabantogele,S
3432		Strip and overhaul	12 hrs	Sat 06/05/23 08:42	Sun 07/05/23 10:12	3431	S Kalankane,D Keaketswe
3433		Transport Pump To The Site	0.5 hrs	Sun 07/05/23 10:12	Sun 07/05/23 10:42	3432	S Kalankane,D Keaketswe
3434		Rig In Position And Secure	1.5 hrs	Sun 07/05/23 10:42	Sun 07/05/23 12:42	3433	G Moeseraela,T Moloi,K Gabantogele,S
3435		Rig In Motor And Its Base	0.5 hrs	Sun 07/05/23 12:42	Sun 07/05/23 13:12	3434	G Moeseraela,T Moloi,K Gabantogele,S
3436		Align The Motor And Pump Pulley	0.5 hrs	Sun 07/05/23 13:12	Sun 07/05/23 13:42	3435	S Kalankane,D Keaketswe
3437		Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Sun 07/05/23 13:42	Sun 07/05/23 14:12	3436	S Kalankane,D Keaketswe
3438		Replace Guards And Secure	0.25 hrs	Sun 07/05/23 14:12	Sun 07/05/23 14:27	3437	S Kalankane,D Keaketswe
3439		Carry Out House Keeping	0.25 hrs	Sun 07/05/23 14:27	Sun 07/05/23 14:42	3438	S Kalankane,D Keaketswe
3440		Sign Off Permit	0.25 hrs	Sun 07/05/23 14:42	Sun 07/05/23 14:57	3439	S Kalankane,D Keaketswe
3441		Clear Permit	0.25 hrs	Sun 07/05/23 14:57	Sun 07/05/23 15:12	3440	S Kalankane,D Keaketswe
3442	**28B2GA02**	**# A SECOND STAGE FILTRATE PUMP - Overhaul And Replace The Pump**	**22.85 hrs**	**Sun 07/05/23 15:12**	**Tue 09/05/23 17:03**	**3421**	
3443		Make Out Permit	0.25 hrs	Sun 07/05/23 15:12	Sun 07/05/23 15:27		Operations
3444		Accept Permit	0.25 hrs	Sun 07/05/23 15:27	Sun 07/05/23 15:42	3443	S Kalankane,D Keaketswe
3445		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 15:42	Sun 07/05/23 15:57	3444	S Kalankane,D Keaketswe
3446		Close Gland Service Water Valve And Disconnect Pipe	0.1 hrs	Sun 07/05/23 15:57	Sun 07/05/23 16:03	3445	S Kalankane,D Keaketswe
3447		Remove Guard	0.25 hrs	Sun 07/05/23 16:03	Sun 07/05/23 16:18	3446	S Kalankane,D Keaketswe
3448		Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Sun 07/05/23 16:18	Sun 07/05/23 16:33	3447	S Kalankane,D Keaketswe
3449		Remove V Belts And Inspect Them	0.5 hrs	Sun 07/05/23 16:33	Sun 07/05/23 17:03	3448	S Kalankane,D Keaketswe
3450		Undo The Bottom Nut For The Adjusting Studs	0.5 hrs	Sun 07/05/23 17:03	Sun 07/05/23 17:33	3449	S Kalankane,D Keaketswe
3451		Lift The Motor And Its Base To Separate It From The Pump	1 hr	Sun 07/05/23 17:33	Mon 08/05/23 07:33	3450	S Kalankane,D Keaketswe
3452		Loosen, Remove All The Pump Mounting Bolts, Rig out & transport to workshop	3 hrs	Mon 08/05/23 07:33	Mon 08/05/23 10:33	3451	G Moeseraela,T Moloi,K Gabantogele,S
3453		Strip and overhaul	12 hrs	Mon 08/05/23 10:33	Tue 09/05/23 12:33	3452	S Kalankane,D Keaketswe
3454		Transport Pump To The Site	0.5 hrs	Tue 09/05/23 12:33	Tue 09/05/23 13:03	3453	S Kalankane,D Keaketswe
3455		Rig In Position And Secure	1.5 hrs	Tue 09/05/23 13:03	Tue 09/05/23 14:33	3454	G Moeseraela,T Moloi,K Gabantogele,S
3456		Rig In Motor And Its Base	0.5 hrs	Tue 09/05/23 14:33	Tue 09/05/23 15:03	3455	G Moeseraela,T Moloi,K Gabantogele,S
3457		Align The Motor And Pump Pulley	0.5 hrs	Tue 09/05/23 15:03	Tue 09/05/23 15:33	3456	S Kalankane,D Keaketswe
3458		Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Tue 09/05/23 15:33	Tue 09/05/23 16:03	3457	S Kalankane,D Keaketswe
3459		Replace Guards And Secure	0.25 hrs	Tue 09/05/23 16:03	Tue 09/05/23 16:18	3458	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3460		Carry Out House Keeping	0.25 hrs	Tue 09/05/23 16:18	Tue 09/05/23 16:33	3459	S Kalankane,D Keaketswe
3461		Sign Off Permit	0.25 hrs	Tue 09/05/23 16:33	Tue 09/05/23 16:48	3460	S Kalankane,D Keaketswe
3462		Clear Permit	0.25 hrs	Tue 09/05/23 16:48	Tue 09/05/23 17:03	3461	S Kalankane,D Keaketswe
3463	**28B2GA02**	**# A SECOND STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Tue 09/05/23 17:03**	**Wed 10/05/23 10:33**	**3442**	
3464		Make out permit	0.25 hrs	Tue 09/05/23 17:03	Tue 09/05/23 17:18		Operations
3465		Accept permit	0.25 hrs	Tue 09/05/23 17:18	Tue 09/05/23 17:33	3464	S Kalankane,D Keaketswe
3466		Carry out risk assement	0.25 hrs	Tue 09/05/23 17:33	Tue 09/05/23 17:48	3465	S Kalankane,D Keaketswe
3467		Loosen & remove all securing bolts	1 hr	Tue 09/05/23 17:48	Wed 10/05/23 07:48	3466	S Kalankane,D Keaketswe
3468		Remove old valve	0.5 hrs	Wed 10/05/23 07:48	Wed 10/05/23 08:18	3467	G Moeseraela,T Moloi,K Gabantogele,S
3469		Install new valve	1 hr	Wed 10/05/23 08:18	Wed 10/05/23 09:18	3468	G Moeseraela,T Moloi,K Gabantogele,S
3470		Replace all bolts	0.25 hrs	Wed 10/05/23 09:18	Wed 10/05/23 09:33	3469	S Kalankane,D Keaketswe
3471		Tighten all bolts in correct sequence	0.5 hrs	Wed 10/05/23 09:33	Wed 10/05/23 10:03	3470	S Kalankane,D Keaketswe
3472		Housekeeping	0.25 hrs	Wed 10/05/23 10:03	Wed 10/05/23 10:18	3471	S Kalankane,D Keaketswe
3473		Clear permit	0.25 hrs	Wed 10/05/23 10:18	Wed 10/05/23 10:33	3472	S Kalankane,D Keaketswe
3474	**28B2GA03**	**# A 3RD STAGE FILTRATE PUMP - Overhaul And Replace The Pump**	**22.85 hrs**	**Wed 10/05/23 10:33**	**Fri 12/05/23 12:54**	**3463**	
3475		Make Out Permit	0.25 hrs	Wed 10/05/23 10:33	Wed 10/05/23 10:48		Operations
3476		Accept Permit	0.25 hrs	Wed 10/05/23 10:48	Wed 10/05/23 11:03	3475	S Kalankane,D Keaketswe
3477		Carry Out Risk Assesment	0.25 hrs	Wed 10/05/23 11:03	Wed 10/05/23 11:18	3476	S Kalankane,D Keaketswe
3478		Close Gland Service Water Valve And Disconnect Pipe	0.1 hrs	Wed 10/05/23 11:18	Wed 10/05/23 11:24	3477	S Kalankane,D Keaketswe
3479		Remove Guard	0.25 hrs	Wed 10/05/23 11:24	Wed 10/05/23 11:39	3478	S Kalankane,D Keaketswe
3480		Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Wed 10/05/23 11:39	Wed 10/05/23 11:54	3479	S Kalankane,D Keaketswe
3481		Remove V Belts And Inspect Them	0.5 hrs	Wed 10/05/23 11:54	Wed 10/05/23 12:54	3480	S Kalankane,D Keaketswe
3482		Undo The Bottom Nut For The Adjusting Studs	0.5 hrs	Wed 10/05/23 12:54	Wed 10/05/23 13:24	3481	S Kalankane,D Keaketswe
3483		Lift The Motor And Its Base To Separate It From The Pump	1 hr	Wed 10/05/23 13:24	Wed 10/05/23 14:24	3482	S Kalankane,D Keaketswe
3484		Loosen, Remove All The Pump Mounting Bolts, Rig out & transport to workshop	3 hrs	Wed 10/05/23 14:24	Wed 10/05/23 17:24	3483	G Moeseraela,T Moloi,K Gabantogele,S
3485		Strip and overhaul	12 hrs	Wed 10/05/23 17:24	Fri 12/05/23 07:54	3484	S Kalankane,D Keaketswe
3486		Transport Pump To The Site	0.5 hrs	Fri 12/05/23 07:54	Fri 12/05/23 08:24	3485	S Kalankane,D Keaketswe
3487		Rig In Position And Secure	1.5 hrs	Fri 12/05/23 08:24	Fri 12/05/23 09:54	3486	G Moeseraela,T Moloi,K Gabantogele,S
3488		Rig In Motor And Its Base	0.5 hrs	Fri 12/05/23 09:54	Fri 12/05/23 10:24	3487	G Moeseraela,T Moloi,K Gabantogele,S
3489		Align The Motor And Pump Pulley	0.5 hrs	Fri 12/05/23 10:24	Fri 12/05/23 10:54	3488	S Kalankane,D Keaketswe
3490		Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Fri 12/05/23 10:54	Fri 12/05/23 11:24	3489	S Kalankane,D Keaketswe
3491		Replace Guards And Secure	0.25 hrs	Fri 12/05/23 11:24	Fri 12/05/23 11:39	3490	S Kalankane,D Keaketswe
3492		Carry Out House Keeping	0.25 hrs	Fri 12/05/23 11:39	Fri 12/05/23 11:54	3491	S Kalankane,D Keaketswe
3493		Sign Off Permit	0.25 hrs	Fri 12/05/23 11:54	Fri 12/05/23 12:39	3492	S Kalankane,D Keaketswe
3494		Clear Permit	0.25 hrs	Fri 12/05/23 12:39	Fri 12/05/23 12:54	3493	S Kalankane,D Keaketswe
3495	**28B2GA03**	**# A 3RD STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Fri 12/05/23 12:54**	**Fri 12/05/23 17:24**	**3474**	
3496		Make out permit	0.25 hrs	Fri 12/05/23 12:54	Fri 12/05/23 13:09		Operations
3497		Accept permit	0.25 hrs	Fri 12/05/23 13:09	Fri 12/05/23 13:24	3496	S Kalankane,D Keaketswe
3498		Carry out risk assement	0.25 hrs	Fri 12/05/23 13:24	Fri 12/05/23 13:39	3497	S Kalankane,D Keaketswe
3499		Loosen & remove all securing bolts	1 hr	Fri 12/05/23 13:39	Fri 12/05/23 14:39	3498	S Kalankane,D Keaketswe
3500		Remove old valve	0.5 hrs	Fri 12/05/23 14:39	Fri 12/05/23 15:09	3499	G Moeseraela,T Moloi,K Gabantogele,S

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3501		Install new valve	1 hr	Fri 12/05/23 15:09	Fri 12/05/23 16:09	3500	G Moeseraela,T Moloi,K Gabantogele,S
3502		Replace all bolts	0.25 hrs	Fri 12/05/23 16:09	Fri 12/05/23 16:24	3501	S Kalankane,D Keaketswe
3503		Tighten all bolts in correct sequence	0.5 hrs	Fri 12/05/23 16:24	Fri 12/05/23 16:54	3502	S Kalankane,D Keaketswe
3504		Housekeeping	0.25 hrs	Fri 12/05/23 16:54	Fri 12/05/23 17:09	3503	S Kalankane,D Keaketswe
3505		Clear permit	0.25 hrs	Fri 12/05/23 17:09	Fri 12/05/23 17:24	3504	S Kalankane,D Keaketswe
3506	**28B2GA04**	**# A 4TH STAGE FILTRATE PUMP - Overhaul And Replace The Pump**	**22.85 hrs**	**Fri 12/05/23 17:24**	**Mon 15/05/23 08:15**	**3495**	
3507		Make Out Permit	0.25 hrs	Fri 12/05/23 17:24	Fri 12/05/23 17:39		Operations
3508		Accept Permit	0.25 hrs	Fri 12/05/23 17:39	Fri 12/05/23 17:54	3507	S Kalankane,D Keaketswe
3509		Carry Out Risk Assesment	0.25 hrs	Fri 12/05/23 17:54	Sat 13/05/23 07:09	3508	S Kalankane,D Keaketswe
3510		Close Gland Service Water Valve And Disconnect Pipe	0.1 hrs	Sat 13/05/23 07:09	Sat 13/05/23 07:15	3509	S Kalankane,D Keaketswe
3511		Remove Guard	0.25 hrs	Sat 13/05/23 07:15	Sat 13/05/23 07:30	3510	S Kalankane,D Keaketswe
3512		Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Sat 13/05/23 07:30	Sat 13/05/23 07:45	3511	S Kalankane,D Keaketswe
3513		Remove V Belts And Inspect Them	0.5 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:15	3512	S Kalankane,D Keaketswe
3514		Undo The Bottom Nut For The Adjusting Studs	0.5 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:45	3513	S Kalankane,D Keaketswe
3515		Lift The Motor And Its Base To Separate It From The Pump	1 hr	Sat 13/05/23 08:45	Sat 13/05/23 09:45	3514	S Kalankane,D Keaketswe
3516		Loosen, Remove All The Pump Mounting Bolts, Rig out & transport to workshop	3 hrs	Sat 13/05/23 09:45	Sat 13/05/23 13:15	3515	G Moeseraela,T Moloi,K Gabantogele,S
3517		Strip and overhaul	12 hrs	Sat 13/05/23 13:15	Sun 14/05/23 14:45	3516	S Kalankane,D Keaketswe
3518		Transport Pump To The Site	0.5 hrs	Sun 14/05/23 14:45	Sun 14/05/23 15:15	3517	S Kalankane,D Keaketswe
3519		Rig In Position And Secure	1.5 hrs	Sun 14/05/23 15:15	Sun 14/05/23 16:45	3518	G Moeseraela,T Moloi,K Gabantogele,S
3520		Rig In Motor And Its Base	0.5 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:15	3519	G Moeseraela,T Moloi,K Gabantogele,S
3521		Align The Motor And Pump Pulley	0.5 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:45	3520	S Kalankane,D Keaketswe
3522		Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Sun 14/05/23 17:45	Mon 15/05/23 07:15	3521	S Kalankane,D Keaketswe
3523		Replace Guards And Secure	0.25 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:30	3522	S Kalankane,D Keaketswe
3524		Carry Out House Keeping	0.25 hrs	Mon 15/05/23 07:30	Mon 15/05/23 07:45	3523	S Kalankane,D Keaketswe
3525		Sign Off Permit	0.25 hrs	Mon 15/05/23 07:45	Mon 15/05/23 08:00	3524	S Kalankane,D Keaketswe
3526		Clear Permit	0.25 hrs	Mon 15/05/23 08:00	Mon 15/05/23 08:15	3525	S Kalankane,D Keaketswe
3527	**28B2GA04**	**# A 4TH STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Mon 15/05/23 08:15**	**Mon 15/05/23 13:15**	**3506**	
3528		Make out permit	0.25 hrs	Mon 15/05/23 08:15	Mon 15/05/23 08:30		Operations
3529		Accept permit	0.25 hrs	Mon 15/05/23 08:30	Mon 15/05/23 08:45	3528	S Kalankane,D Keaketswe
3530		Carry out risk assement	0.25 hrs	Mon 15/05/23 08:45	Mon 15/05/23 09:00	3529	S Kalankane,D Keaketswe
3531		Loosen & remove all securing bolts	1 hr	Mon 15/05/23 09:00	Mon 15/05/23 10:00	3530	S Kalankane,D Keaketswe
3532		Remove old valve	0.5 hrs	Mon 15/05/23 10:00	Mon 15/05/23 10:30	3531	G Moeseraela,T Moloi,K Gabantogele,S
3533		Install new valve	1 hr	Mon 15/05/23 10:30	Mon 15/05/23 11:30	3532	G Moeseraela,T Moloi,K Gabantogele,S
3534		Replace all bolts	0.25 hrs	Mon 15/05/23 11:30	Mon 15/05/23 11:45	3533	S Kalankane,D Keaketswe
3535		Tighten all bolts in correct sequence	0.5 hrs	Mon 15/05/23 11:45	Mon 15/05/23 12:45	3534	S Kalankane,D Keaketswe
3536		Housekeeping	0.25 hrs	Mon 15/05/23 12:45	Mon 15/05/23 13:00	3535	S Kalankane,D Keaketswe
3537		Clear permit	0.25 hrs	Mon 15/05/23 13:00	Mon 15/05/23 13:15	3536	S Kalankane,D Keaketswe
3538	**28B4FT01**	**VACUUM PUMP HOT WELL SUMP - Replace Float Switch**	**5 hrs**	**Wed 03/05/23 11:00**	**Wed 03/05/23 16:30**		
3539		Make out permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		Operations
3540		Accept permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	3539	S Kalankane,D Keaketswe
3541		Loosen pivot bolt	1.5 hrs	Wed 03/05/23 11:30	Wed 03/05/23 13:30	3540	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3542		Remove float switch	1.5 hrs	Wed 03/05/23 13:30	Wed 03/05/23 15:00	3541	S Kalankane,D Keaketswe
3543		Install new float switch	1 hr	Wed 03/05/23 15:00	Wed 03/05/23 16:00	3542	S Kalankane,D Keaketswe
3544		Tighten pivot bolt	0.25 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:15	3543	S Kalankane,D Keaketswe
3545		Clear permit	0.25 hrs	Wed 03/05/23 16:15	Wed 03/05/23 16:30	3544	S Kalankane,D Keaketswe
3546	**28B2EA01**	**1 SEAL WATER HEAT EXCHANGER - Open,Clean And Repair**	**13.25 hrs**	**Wed 03/05/23 11:00**	**Thu 04/05/23 14:15**		
3547		Make Out Permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		Operations
3548		Accept Permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	3547	S Kalankane,D Keaketswe
3549		Carry Out Risk Assesment	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	3548	S Kalankane,D Keaketswe
3550		Remove The Denso Tape	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00	3549	S Kalankane,D Keaketswe
3551		Loosen And Remove Tie Rod Following The Correct Sequence To Avoid Twisting And The Plates	2 hrs	Wed 03/05/23 12:30	Wed 03/05/23 14:30	3550	S Kalankane,D Keaketswe
3552		Pull The Plate Follower Backwards To Allow Easy Removal Of The Plates	0.5 hrs	Wed 03/05/23 14:30	Wed 03/05/23 15:00	3551	S Kalankane,D Keaketswe
3553		Spread The Plates Along The Cross Beam For Easy Washing Of The Plates	0.5 hrs	Wed 03/05/23 15:00	Wed 03/05/23 15:30	3552	S Kalankane,D Keaketswe
3554		Wash All The Plates While Hanging On The Beam	0.5 hrs	Wed 03/05/23 15:30	Wed 03/05/23 16:00	3553	S Kalankane,D Keaketswe
3555		Remove The Plates And Stack Them On The Pallets According To Their Pattern	1 hr	Wed 03/05/23 16:00	Wed 03/05/23 17:00	3554	S Kalankane,D Keaketswe
3556		Wash And Inspect Thoroughly Each Plate And Gasket For Cracks,Wear,Holes And Deformation	2 hrs	Wed 03/05/23 17:00	Thu 04/05/23 08:00	3555	S Kalankane,D Keaketswe
3557		Repack The Plates Back On The Beam According Replacing The Damaged Ones During The Process	2 hrs	Thu 04/05/23 08:00	Thu 04/05/23 10:00	3556	S Kalankane,D Keaketswe
3558		Reposition The Follower And Tie Rods	0.5 hrs	Thu 04/05/23 10:00	Thu 04/05/23 10:30	3557	S Kalankane,D Keaketswe
3559		Tighten The Tie Rods So That The Back Plate Moves And Compresses The Plates Squarely	1 hr	Thu 04/05/23 10:30	Thu 04/05/23 11:30	3558	S Kalankane,D Keaketswe
3560		Pressure Test And Check For Leaks	1 hr	Thu 04/05/23 11:30	Thu 04/05/23 13:00	3559	S Kalankane,D Keaketswe
3561		Apply Anti Seize To The Tie Rods And Wrap With Denso After Completion	0.5 hrs	Thu 04/05/23 13:00	Thu 04/05/23 13:30	3560	S Kalankane,D Keaketswe
3562		Carry Out Housekeeping	0.25 hrs	Thu 04/05/23 13:30	Thu 04/05/23 13:45	3561	S Kalankane,D Keaketswe
3563		Sign Off Permit	0.25 hrs	Thu 04/05/23 13:45	Thu 04/05/23 14:00	3562	S Kalankane,D Keaketswe
3564		Clear Permit	0.25 hrs	Thu 04/05/23 14:00	Thu 04/05/23 14:15	3563	S Kalankane,D Keaketswe
3565	**28B2EA02**	**2 SEAL WATER HEAT EXCHANGER - Open,Clean And Repair**	**13.25 hrs**	**Thu 04/05/23 14:15**	**Fri 05/05/23 17:00**	**3546**	
3566		Make Out Permit	0.25 hrs	Thu 04/05/23 14:15	Thu 04/05/23 14:30		Operations
3567		Accept Permit	0.25 hrs	Thu 04/05/23 14:30	Thu 04/05/23 14:45	3566	S Kalankane,D Keaketswe
3568		Carry Out Risk Assesment	0.25 hrs	Thu 04/05/23 14:45	Thu 04/05/23 15:00	3567	S Kalankane,D Keaketswe
3569		Remove The Denso Tape	0.25 hrs	Thu 04/05/23 15:00	Thu 04/05/23 15:15	3568	S Kalankane,D Keaketswe
3570		Loosen And Remove Tie Rod To Avoid Twisting And The Plates	2 hrs	Thu 04/05/23 15:15	Thu 04/05/23 17:15	3569	S Kalankane,D Keaketswe
3571		Pull The Plate Follower Backwards To Allow Easy Removal Of The Plates	0.5 hrs	Thu 04/05/23 17:15	Thu 04/05/23 17:45	3570	S Kalankane,D Keaketswe
3572		Spread The Plates Along The Cross Beam For Easy Washing Of The Plates	0.5 hrs	Thu 04/05/23 17:45	Fri 05/05/23 07:15	3571	S Kalankane,D Keaketswe
3573		Wash All The Plates While Hanging On The Beam	0.5 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:45	3572	S Kalankane,D Keaketswe
3574		Remove The Plates And Stack Them On The Pallets According To Their Pattern	1 hr	Fri 05/05/23 07:45	Fri 05/05/23 08:45	3573	S Kalankane,D Keaketswe
3575		Wash And Inspect Thoroughly Each Plate And Gasket For Cracks,Wear,Holes And Deformation	2 hrs	Fri 05/05/23 08:45	Fri 05/05/23 10:45	3574	S Kalankane,D Keaketswe
3576		Repack The Plates Back On The Beam According Replacing The Damaged Ones During The Process	2 hrs	Fri 05/05/23 10:45	Fri 05/05/23 13:15	3575	S Kalankane,D Keaketswe
3577		Reposition The Follower And Tie Rods	0.5 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:45	3576	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3578		Tighten The Tie Rods So That The Back Plate Moves And Compresses The Plates Squarely	1 hr	Fri 05/05/23 13:45	Fri 05/05/23 14:45	3577	S Kalankane,D Keaketswe
3579		Pressure Test And Check For Leaks	1 hr	Fri 05/05/23 14:45	Fri 05/05/23 15:45	3578	S Kalankane,D Keaketswe
3580		Apply Anti Seize To The Tie Rods And Wrap With Denso After Completion	0.5 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:15	3579	S Kalankane,D Keaketswe
3581		Carry Out Housekeeping	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30	3580	S Kalankane,D Keaketswe
3582		Sign Off Permit	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	3581	S Kalankane,D Keaketswe
3583		Clear Permit	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	3582	S Kalankane,D Keaketswe
3584	**28B2GA06A**	**# 1 SEAL WATER PUMP - Carry Out Inspection**	**9.25 hrs**	**Fri 05/05/23 17:00**	**Sat 06/05/23 15:45**	**3565**	
3585		Make Out Permit	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15		Operations
3586		Accept Permit	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30	3585	S Kalankane,D Keaketswe
3587		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 17:30	Fri 05/05/23 17:45	3586	S Kalankane,D Keaketswe
3588		Remove The Guards For The V Belts	0.5 hrs	Fri 05/05/23 17:45	Sat 06/05/23 07:15	3587	S Kalankane,D Keaketswe
3589		Inspect V Belts And Change If Necessary	0.5 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:45	3588	S Kalankane,D Keaketswe
3590		Inspect Columns For Holes,Corrossion And Replace If Necessary (Rig out pump)	2.5 hrs	Sat 06/05/23 07:45	Sat 06/05/23 10:15	3589	G Moeseraela,T Moloi,K Gabantogele,D
3591		Grease All Bearings (Rig in if pump was rigged out)	1.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 11:45	3590	G Moeseraela,T Moloi,K Gabantogele,D
3592		Replace Guards	0.5 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:45	3591	S Kalankane,D Keaketswe
3593		Remove Covers For Operations To Clean	1 hr	Sat 06/05/23 12:45	Sat 06/05/23 13:45	3592	S Kalankane,D Keaketswe
3594		Inspect The Float For Scaling,Holes And Seizure	0.5 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:15	3593	S Kalankane,D Keaketswe
3595		Replace Covers When Cleaning Is Complete	1 hr	Sat 06/05/23 14:15	Sat 06/05/23 15:15	3594	S Kalankane,D Keaketswe
3596		Carry Out Housekeeping	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	3595	S Kalankane,D Keaketswe
3597		Clear Permit	0.25 hrs	Sat 06/05/23 15:30	Sat 06/05/23 15:45	3596	S Kalankane,D Keaketswe
3598	**28B2GA06B**	**# 2 SEAL WATER PUMP - Carry Out Inspection**	**9.25 hrs**	**Sat 06/05/23 15:45**	**Sun 07/05/23 14:30**	**3584**	
3599		Make Out Permit	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00		Operations
3600		Accept Permit	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	3599	S Kalankane,D Keaketswe
3601		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:30	3600	S Kalankane,D Keaketswe
3602		Remove The Guards For The V Belts	0.5 hrs	Sat 06/05/23 16:30	Sat 06/05/23 17:00	3601	S Kalankane,D Keaketswe
3603		Inspect V Belts And Change If Necessary	0.5 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:30	3602	S Kalankane,D Keaketswe
3604		Inspect Columns For Holes,Corrossion And Replace If Necessary (Rig out pump)	2.5 hrs	Sat 06/05/23 17:30	Sun 07/05/23 09:00	3603	G Moeseraela,T Moloi,K Gabantogele,S
3605		Grease All Bearings (Rig in if pump was rigged out)	1.5 hrs	Sun 07/05/23 09:00	Sun 07/05/23 10:30	3604	G Moeseraela,T Moloi,K Gabantogele,S
3606		Replace Guards	0.5 hrs	Sun 07/05/23 10:30	Sun 07/05/23 11:00	3605	S Kalankane,D Keaketswe
3607		Remove Covers For Operations To Clean	1 hr	Sun 07/05/23 11:00	Sun 07/05/23 12:00	3606	S Kalankane,D Keaketswe
3608		Inspect The Float For Scaling,Holes And Seizure	0.5 hrs	Sun 07/05/23 12:30	Sun 07/05/23 13:00	3607	S Kalankane,D Keaketswe
3609		Replace Covers When Cleaning Is Complete	1 hr	Sun 07/05/23 13:00	Sun 07/05/23 14:00	3608	S Kalankane,D Keaketswe
3610		Carry Out Housekeeping	0.25 hrs	Sun 07/05/23 14:00	Sun 07/05/23 14:15	3609	S Kalankane,D Keaketswe
3611		Clear Permit	0.25 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:30	3610	S Kalankane,D Keaketswe
3612		**SEAL WATER - Install collection trough**	**10.5 hrs**	**Wed 03/05/23 11:00**	**Thu 04/05/23 11:00**		
3613		Issue Permit To Work	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		Operations
3614		Accept Permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	3613	M Ramatlhakeng
3615		Carry Out Risk Assesment	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	3614	M Ramatlhakeng,S Monna
3616		Weld punched cleats into position	4 hrs	Wed 03/05/23 11:45	Wed 03/05/23 16:15	3615	M Ramatlhakeng,S Monna
3617		Rig in trough sections	3 hrs	Wed 03/05/23 16:15	Thu 04/05/23 08:15	3616	Riggers
3618		Join trough sectin with bolts	2 hrs	Thu 04/05/23 08:15	Thu 04/05/23 10:15	3617	M Ramatlhakeng,S Monna

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3619		Carry out housekeeping	0.5 hrs	Thu 04/05/23 10:15	Thu 04/05/23 10:45	3618	M Ramatlhakeng,S Monna
3620		Clear Permit	0.25 hrs	Thu 04/05/23 10:45	Thu 04/05/23 11:00	3619	M Ramatlhakeng,Operations
3621	**28B2GB01**	**# A1 VACUUM PUMP - Carry Out Inspection**	**23.25 hrs**	**Wed 03/05/23 11:00**	**Fri 05/05/23 13:45**		
3622		Make Out Permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		Operations
3623		Accept Permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	3622	S Kalankane,D Keaketswe
3624		Carry Out Risk Assesment	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	3623	S Kalankane,D Keaketswe
3625		Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Wed 03/05/23 11:45	Wed 03/05/23 15:45	3624	G Moeseraela,T Moloi,K Gabantogele,S
3626		Inspect V Belts And Replace If Necessary	2.5 hrs	Wed 03/05/23 15:45	Thu 04/05/23 07:15	3625	S Kalankane,D Keaketswe
3627		Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Thu 04/05/23 07:15	Thu 04/05/23 09:45	3626	S Kalankane,D Keaketswe
3628		Grease All The Bearings Using A Manual Grease Pump	2 hrs	Thu 04/05/23 09:45	Thu 04/05/23 11:45	3627	S Kalankane,D Keaketswe
3629		Rig In Guards And Secure	2.5 hrs	Thu 04/05/23 11:45	Thu 04/05/23 14:45	3628	G Moeseraela,T Moloi,K Gabantogele,S
3630		Support The Suction Valve With A Crane	2 hrs	Thu 04/05/23 14:45	Thu 04/05/23 16:45	3629	S Kalankane,D Keaketswe
3631		Loosen And Remove All Bolts	2 hrs	Thu 04/05/23 16:45	Fri 05/05/23 07:45	3630	S Kalankane,D Keaketswe
3632		Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.5 hrs	Fri 05/05/23 07:45	Fri 05/05/23 10:15	3631	S Kalankane,D Keaketswe
3633		Lower The Valve In Position Or Replace If Necessary Then Box Up	2.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 13:15	3632	S Kalankane,D Keaketswe
3634		Carry Out House Keeping	0.25 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:30	3633	S Kalankane,D Keaketswe
3635		Clear Permit	0.25 hrs	Fri 05/05/23 13:30	Fri 05/05/23 13:45	3634	S Kalankane,D Keaketswe
3636	**28B2GB01**	**# A1 VACUUM PUMP - Install isolation valve**	**6.75 hrs**	**Fri 05/05/23 13:45**	**Sat 06/05/23 09:30**	**3621**	
3637		Clean build up on the bases, pump, pipes prior	0 hrs	Fri 05/05/23 13:45	Fri 05/05/23 13:45		Operations
3638		Break concrete to expose underground pipe prior	0 hrs	Fri 05/05/23 13:45	Fri 05/05/23 13:45	3637	Civils
3639		Make out permit	0.25 hrs	Fri 05/05/23 13:45	Fri 05/05/23 14:00	3638	Operations
3640		Accept permit	0.25 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:15	3639	M Ramatlhakeng,S Monna
3641		Carry out risk assement	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	3640	M Ramatlhakeng,S Monna
3642		Cut flange bolts	1 hr	Fri 05/05/23 14:30	Fri 05/05/23 15:30	3641	M Ramatlhakeng,S Monna
3643		Rig out the old pipes	0.5 hrs	Fri 05/05/23 15:30	Fri 05/05/23 16:00	3642	M-Crane 7Ton,G Moeseraela,T Moloi
3644		Rig in new pipes	1 hr	Fri 05/05/23 16:00	Fri 05/05/23 17:00	3643	M-Crane 7Ton,G Moeseraela,T Moloi
3645		Align and mount the pipes	2 hrs	Fri 05/05/23 17:00	Sat 06/05/23 08:00	3644	M Ramatlhakeng,S Monna
3646		Tighten bolts	1 hr	Sat 06/05/23 08:00	Sat 06/05/23 09:00	3645	M Ramatlhakeng,S Monna
3647		Housekeeping	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15	3646	M Ramatlhakeng,S Monna
3648		Clear permit	0.25 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:30	3647	M Ramatlhakeng,S Monna
3649		Cast concrete	0 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:30	3648	Civil
3650	**28B2GB02**	**# A2 VACUUM PUMP - Carry Out Inspection**	**24 hrs**	**Sat 06/05/23 09:30**	**Mon 08/05/23 13:00**	**3636**	
3651		Make Out Permit	0.25 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:45		Operations
3652		Accept Permit	0.25 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:00	3651	S Kalankane,D Keaketswe
3653		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:15	3652	S Kalankane,D Keaketswe
3654		Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 14:15	3653	G Moeseraela,T Moloi,K Gabantogele,S
3655		Inspect V Belts And Replace If Necessary	2.5 hrs	Sat 06/05/23 14:15	Sat 06/05/23 16:45	3654	S Kalankane,D Keaketswe
3656		Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Sat 06/05/23 16:45	Sun 07/05/23 08:15	3655	S Kalankane,D Keaketswe
3657		Grease All Athe Bearings Using A Manual Grease Pump	2 hrs	Sun 07/05/23 08:15	Sun 07/05/23 10:15	3656	S Kalankane,D Keaketswe
3658		Rig In Guards And Secure	2.5 hrs	Sun 07/05/23 10:15	Sun 07/05/23 13:15	3657	G Moeseraela,T Moloi,K Gabantogele,S
3659		Support The Suction Valve With A Crane	0.25 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:30	3658	S Kalankane,D Keaketswe
3660		Loosen And Remove All Bolts	2 hrs	Sun 07/05/23 13:30	Sun 07/05/23 15:30	3659	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3661		Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.25 hrs	Sun 07/05/23 15:30	Sun 07/05/23 17:45	3660	S Kalankane,D Keaketswe
3662		Lower The Valve In Position Or Replace If Necessary Then Box Up	2.5 hrs	Sun 07/05/23 17:45	Mon 08/05/23 09:15	3661	S Kalankane,D Keaketswe
3663		Carry Out House Keeping	0.25 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:30	3662	S Kalankane,D Keaketswe
3664		Dismantle Scaffolding	2.5 hrs	Mon 08/05/23 09:30	Mon 08/05/23 12:00	3663	S Kalankane,D Keaketswe
3665		Sign Off The Permit	0.25 hrs	Mon 08/05/23 12:30	Mon 08/05/23 12:45	3664	S Kalankane,D Keaketswe
3666		Clear Permit	0.25 hrs	Mon 08/05/23 12:45	Mon 08/05/23 13:00	3665	S Kalankane,D Keaketswe
3667	**28B2GB03**	**# A2 VACUUM PUMP - Install Suction Valves**	**5.5 hrs**	**Mon 08/05/23 13:00**	**Tue 09/05/23 07:30**	**3650**	
3668		Make out permit	0.25 hrs	Mon 08/05/23 13:00	Mon 08/05/23 13:15		Operations
3669		Accept permit	0.25 hrs	Mon 08/05/23 13:15	Mon 08/05/23 13:30	3668	S Kalankane,D Keaketswe
3670		Carry out risk assement	0.25 hrs	Mon 08/05/23 13:30	Mon 08/05/23 13:45	3669	S Kalankane,D Keaketswe
3671		Support valve & remove valve (valve in close position)	0.5 hrs	Mon 08/05/23 13:45	Mon 08/05/23 14:15	3670	S Kalankane,D Keaketswe
3672		Loosen & remove all securing bolts	1 hr	Mon 08/05/23 14:15	Mon 08/05/23 15:15	3671	S Kalankane,D Keaketswe
3673		Rig out old valve	0.5 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:45	3672	G Moeseraela,T Moloi,K Gabantogele,S
3674		Rig in new valve in position	1 hr	Mon 08/05/23 15:45	Mon 08/05/23 16:45	3673	G Moeseraela,T Moloi,K Gabantogele,S
3675		Replace all bolts	0.25 hrs	Mon 08/05/23 16:45	Mon 08/05/23 17:00	3674	S Kalankane,D Keaketswe
3676		Tighten all bolts in correct sequence	0.5 hrs	Mon 08/05/23 17:00	Mon 08/05/23 17:30	3675	S Kalankane,D Keaketswe
3677		Remove crane & slings	0.5 hrs	Mon 08/05/23 17:30	Mon 08/05/23 18:00	3676	S Kalankane,D Keaketswe
3678		Housekeeping	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	3677	S Kalankane,D Keaketswe
3679		Clear permit	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	3678	S Kalankane,D Keaketswe
3680	**28B2GB02**	**# A2 VACUUM PUMP - Install isolation valve**	**6.75 hrs**	**Sat 06/05/23 09:30**	**Sat 06/05/23 16:45**	**3636**	
3681		Clean build up on the bases, pump, pipes prior	0 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:30		Operations
3682		Break concrete to expose underground pipe prior	0 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:30	3681	Civils
3683		Make out permit	0.25 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:45	3682	Operations
3684		Accept permit	0.25 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:00	3683	M Ramatlhakeng,S Monna
3685		Carry out risk assement	0.25 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:15	3684	M Ramatlhakeng,S Monna
3686		Cut flange bolts	1 hr	Sat 06/05/23 10:15	Sat 06/05/23 11:15	3685	M Ramatlhakeng,S Monna
3687		Rig out the old pipes	0.5 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:45	3686	M-Crane 7Ton,G Moeseraela,T Moloi
3688		Rig in new pipes	1 hr	Sat 06/05/23 11:45	Sat 06/05/23 13:15	3687	M-Crane 7Ton,G Moeseraela,T Moloi
3689		Align and mount the pipes	2 hrs	Sat 06/05/23 13:15	Sat 06/05/23 15:15	3688	M Ramatlhakeng,S Monna
3690		Tighten bolts	1 hr	Sat 06/05/23 15:15	Sat 06/05/23 16:15	3689	M Ramatlhakeng,S Monna
3691		Housekeeping	0.25 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:30	3690	M Ramatlhakeng,S Monna
3692		Clear permit	0.25 hrs	Sat 06/05/23 16:30	Sat 06/05/23 16:45	3691	M Ramatlhakeng,S Monna
3693		Cast concrete	0 hrs	Sat 06/05/23 16:45	Sat 06/05/23 16:45	3692	Civil
3694	**28B2GB03**	**# A3 VACUUM PUMP - Carry Out Inspection**	**23.5 hrs**	**Tue 09/05/23 07:30**	**Thu 11/05/23 10:00**	**3667**	
3695		Make Out Permit	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45		Operations
3696		Accept Permit	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	3695	S Kalankane,D Keaketswe
3697		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	3696	S Kalankane,D Keaketswe
3698		Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Tue 09/05/23 08:15	Tue 09/05/23 11:45	3697	G Moeseraela,T Moloi,K Gabantogele,S
3699		Inspect V Belts And Replace If Necessary	2.5 hrs	Tue 09/05/23 11:45	Tue 09/05/23 14:45	3698	S Kalankane,D Keaketswe
3700		Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Tue 09/05/23 14:45	Tue 09/05/23 17:15	3699	S Kalankane,D Keaketswe
3701		Grease All Athe Bearings Using A Manual Grease Pump	2 hrs	Tue 09/05/23 17:15	Wed 10/05/23 08:15	3700	S Kalankane,D Keaketswe
3702		Rig In Guards And Secure	2.5 hrs	Wed 10/05/23 08:15	Wed 10/05/23 10:45	3701	G Moeseraela,T Moloi,K Gabantogele,S

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3703		Support The Suction Valve With A Crane	0.25 hrs	Wed 10/05/23 10:45	Wed 10/05/23 11:00	3702	S Kalankane,D Keaketswe
3704		Loosen And Remove All Bolts	2 hrs	Wed 10/05/23 11:00	Wed 10/05/23 13:30	3703	S Kalankane,D Keaketswe
3705		Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.25 hrs	Wed 10/05/23 13:30	Wed 10/05/23 15:45	3704	S Kalankane,D Keaketswe
3706		Lower The Valve In Position Or Replace If Necessary Then Box Up	2 hrs	Wed 10/05/23 15:45	Wed 10/05/23 17:45	3705	S Kalankane,D Keaketswe
3707		Carry Out House Keeping	0.25 hrs	Wed 10/05/23 17:45	Wed 10/05/23 18:00	3706	S Kalankane,D Keaketswe
3708		Dismantle Scaffolding	2.5 hrs	Thu 11/05/23 07:00	Thu 11/05/23 09:30	3707	S Kalankane,D Keaketswe
3709		Sign Off The Permit	0.25 hrs	Thu 11/05/23 09:30	Thu 11/05/23 09:45	3708	S Kalankane,D Keaketswe
3710		Clear Permit	0.25 hrs	Thu 11/05/23 09:45	Thu 11/05/23 10:00	3709	S Kalankane,D Keaketswe
3711	**28B2GB04**	**# A3 VACUUM PUMP - Install Suction Valves**	**5.5 hrs**	**Thu 11/05/23 10:00**	**Thu 11/05/23 16:00**	**3694**	
3712		Make out permit	0.25 hrs	Thu 11/05/23 10:00	Thu 11/05/23 10:15		Operations
3713		Accept permit	0.25 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:30	3712	S Kalankane,D Keaketswe
3714		Carry out risk assement	0.25 hrs	Thu 11/05/23 10:30	Thu 11/05/23 10:45	3713	S Kalankane,D Keaketswe
3715		Support valve & remove valve (valve in close position)	0.5 hrs	Thu 11/05/23 10:45	Thu 11/05/23 11:15	3714	S Kalankane,D Keaketswe
3716		Loosen & remove all securing bolts	1 hr	Thu 11/05/23 11:15	Thu 11/05/23 12:45	3715	S Kalankane,D Keaketswe
3717		Rig out old valve	0.5 hrs	Thu 11/05/23 12:45	Thu 11/05/23 13:15	3716	G Moeseraela,T Moloi,K Gabantogele,S
3718		Rig in new valve in position	1 hr	Thu 11/05/23 13:15	Thu 11/05/23 14:15	3717	G Moeseraela,T Moloi,K Gabantogele,S
3719		Replace all bolts	0.25 hrs	Thu 11/05/23 14:15	Thu 11/05/23 14:30	3718	S Kalankane,D Keaketswe
3720		Tighten all bolts in correct sequence	0.5 hrs	Thu 11/05/23 14:30	Thu 11/05/23 15:00	3719	S Kalankane,D Keaketswe
3721		Remove crane & slings	0.5 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:30	3720	S Kalankane,D Keaketswe
3722		Housekeeping	0.25 hrs	Thu 11/05/23 15:30	Thu 11/05/23 15:45	3721	S Kalankane,D Keaketswe
3723		Clear permit	0.25 hrs	Thu 11/05/23 15:45	Thu 11/05/23 16:00	3722	S Kalankane,D Keaketswe
3724	**28B2GB03**	**# A3 VACUUM PUMP - Install isolation valve**	**6.75 hrs**	**Sat 06/05/23 16:45**	**Sun 07/05/23 13:00**	**3680**	
3725		Clean build up on the bases, pump, pipes prior	0 hrs	Sat 06/05/23 16:45	Sat 06/05/23 16:45		Operations
3726		Break concrete to expose underground pipe prior	0 hrs	Sat 06/05/23 16:45	Sat 06/05/23 16:45	3725	Civils
3727		Make out permit	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00	3726	Operations
3728		Accept permit	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15	3727	M Ramatlhakeng,S Monna
3729		Carry out risk assement	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	3728	M Ramatlhakeng,S Monna
3730		Cut flange bolts	1 hr	Sat 06/05/23 17:30	Sun 07/05/23 07:30	3729	M Ramatlhakeng,S Monna
3731		Rig out the old pipes	0.5 hrs	Sun 07/05/23 07:30	Sun 07/05/23 08:00	3730	M-Crane 7Ton,G Moeseraela,T Moloi
3732		Rig in new pipes	1 hr	Sun 07/05/23 08:00	Sun 07/05/23 09:00	3731	M-Crane 7Ton,G Moeseraela,T Moloi
3733		Align and mount the pipes	2 hrs	Sun 07/05/23 09:00	Sun 07/05/23 11:00	3732	M Ramatlhakeng,S Monna
3734		Tighten bolts	1 hr	Sun 07/05/23 11:00	Sun 07/05/23 12:00	3733	M Ramatlhakeng,S Monna
3735		Housekeeping	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	3734	M Ramatlhakeng,S Monna
3736		Clear permit	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	3735	M Ramatlhakeng,S Monna
3737		Cast concrete	0 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:00	3736	Civil
3738		**ELECTRICAL**	**105.75 hrs**	**Wed 03/05/23 11:00**	**Sat 13/05/23 11:45**	**3325**	
3739	**28B2GA07**	**# 1 CLOTH WASH PUMP - Services Electric Motor And Panel Components**	**7.25 hrs**	**Sat 06/05/23 07:30**	**Sat 06/05/23 15:15**	**3326SS+28**	
3740		Make Out Permit	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45		Operations
3741		Accept Permit	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	3740	L Majoo,O Macheng
3742		Carry Out Electrical Isolation	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	3741	L Majoo,O Macheng
3743		Services Electric Motor And Panel Components	0.25 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:30	3742	L Majoo,O Macheng
3744		Disconnect, remove motor and send for repairs	2 hrs	Sat 06/05/23 08:30	Sat 06/05/23 10:30	3743	G Moeseraela,T Moloi,K Gabantogele,S

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3745		Check Loose Connections	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45	3744	L Majoo,O Macheng
3746		Check Contactor Contacts	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	3745	L Majoo,O Macheng
3747		Service Stop /Start	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	3746	L Majoo,O Macheng
3748		Install and connect motor	2 hrs	Sat 06/05/23 11:15	Sat 06/05/23 13:45	3747	G Moeseraela,T Moloi,K Gabantogele,S
3749		Check Motor Fan Condition	0.25 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:00	3748	L Majoo,O Macheng
3750		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:15	3749	L Majoo,O Macheng
3751		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	3750	L Majoo,O Macheng
3752		Seal For Moisture And Dust	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	3751	L Majoo,O Macheng
3753		Confirm Correct Protection Settings	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	3752	L Majoo,O Macheng
3754		Clear Permit	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15	3753	L Majoo,O Macheng
3755	**28B2GA08**	**# 2 CLOTH WASH PUMP - Services Electric Motor And Panel Components**	**7 hrs**	**Sat 06/05/23 15:15**	**Sun 07/05/23 11:15**	**3739**	
3756		Make Out Permit	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30		Operations
3757		Accept Permit	0.25 hrs	Sat 06/05/23 15:30	Sat 06/05/23 15:45	3756	L Majoo,O Macheng
3758		Carry Out Electrical Isolation	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00	3757	L Majoo,O Macheng
3759		Services Electric Motor And Panel Components	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	3758	L Majoo,O Macheng
3760		Disconnect, remove motor and send for repairs	2 hrs	Sat 06/05/23 16:15	Sun 07/05/23 07:15	3759	G Moeseraela,T Moloi,K Gabantogele,S
3761		Check Loose Connections In The Panel	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	3760	L Majoo,O Macheng
3762		Check Contactor Contacts	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	3761	L Majoo,O Macheng
3763		Service Stop/Start	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	3762	L Majoo,O Macheng
3764		Install and connect motor	2 hrs	Sun 07/05/23 08:00	Sun 07/05/23 10:00	3763	G Moeseraela,T Moloi,K Gabantogele,S
3765		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:15	3764	L Majoo,O Macheng
3766		Tighten Motor Connections & Gland Intrergrity	0.25 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:30	3765	L Majoo,O Macheng
3767		Seal For Mioisture And Dust	0.25 hrs	Sun 07/05/23 10:30	Sun 07/05/23 10:45	3766	L Majoo,O Macheng
3768		Confirm Correct Protection Settings	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	3767	L Majoo,O Macheng
3769		Clear Permit	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	3768	L Majoo,O Macheng
3770	**28B2GA01A**	**# A1 PRIMARY FILTRATE PUMP - Carry Out Maintenance On Electrical Components**	**7 hrs**	**Sun 07/05/23 11:15**	**Mon 08/05/23 07:45**	**3755**	
3771		Make Out Permit	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30		Operations
3772		Accept Permit	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	3771	L Majoo,O Macheng
3773		Carry Out Electrical Isolation	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	3772	L Majoo,O Macheng
3774		Services Electric Motor And Panel Components	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	3773	L Majoo,O Macheng
3775		Disconnect, remove motor and send for repairs	2 hrs	Sun 07/05/23 12:45	Sun 07/05/23 14:45	3774	G Moeseraela,T Moloi,K Gabantogele,S
3776		Check Loose Connections In The Panel	0.25 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:00	3775	L Majoo,O Macheng
3777		Check Contactor Contacts	0.25 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:15	3776	L Majoo,O Macheng
3778		Service Stop/Start	0.25 hrs	Sun 07/05/23 15:15	Sun 07/05/23 15:30	3777	L Majoo,O Macheng
3779		Install and connect motor	2 hrs	Sun 07/05/23 15:30	Sun 07/05/23 17:30	3778	G Moeseraela,T Moloi,K Gabantogele,S
3780		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 07/05/23 17:30	Sun 07/05/23 17:45	3779	L Majoo,O Macheng
3781		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sun 07/05/23 17:45	Sun 07/05/23 18:00	3780	L Majoo,O Macheng
3782		Seal For Moisture And Dust	0.25 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:15	3781	L Majoo,O Macheng
3783		Confirm Correct Protection Settings	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30	3782	L Majoo,O Macheng
3784		Clear Permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	3783	L Majoo,O Macheng
3785	**28B2GA01B**	**# A2 PRIMARY FILTRATE PUMP - Services Electric Motor And Panel Components**	**7.25 hrs**	**Mon 08/05/23 07:45**	**Mon 08/05/23 15:30**	**3770**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3786		Make Out Permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00		Operations
3787		Accept Permit	0.25 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:15	3786	L Majoo,O Macheng
3788		Carry Out Electric Isolation	0.25 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:30	3787	L Majoo,O Macheng
3789		Services Electric Motor And Panel Components	0.25 hrs	Mon 08/05/23 08:30	Mon 08/05/23 08:45	3788	L Majoo,O Macheng
3790		Disconnect, remove motor and send for repairs	2 hrs	Mon 08/05/23 08:45	Mon 08/05/23 10:45	3789	G Moeseraela,T Moloi,K Gabantogele,S
3791		Check Loose Connections In The Panel	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00	3790	L Majoo,O Macheng
3792		Check Contactor Contacts	0.25 hrs	Mon 08/05/23 11:00	Mon 08/05/23 11:15	3791	L Majoo,O Macheng
3793		Service Stop/Start	0.25 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:30	3792	L Majoo,O Macheng
3794		Install and connect motor	2 hrs	Mon 08/05/23 11:30	Mon 08/05/23 14:00	3793	G Moeseraela,T Moloi,K Gabantogele,S
3795		Check Motor Fan Condition	0.25 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:15	3794	L Majoo,O Macheng
3796		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 08/05/23 14:15	Mon 08/05/23 14:30	3795	L Majoo,O Macheng
3797		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 08/05/23 14:30	Mon 08/05/23 14:45	3796	L Majoo,O Macheng
3798		Seal For Moisture And Dust	0.25 hrs	Mon 08/05/23 14:45	Mon 08/05/23 15:00	3797	L Majoo,O Macheng
3799		Confirm Correct Protection Settings	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	3798	L Majoo,O Macheng
3800		Clear Permit	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30	3799	L Majoo,O Macheng
3801	**28B2GA02**	**# A SECONDARY FILTRATE PUMP - Services Electric Motor And Panel Components**	**7.25 hrs**	**Sun 07/05/23 13:00**	**Mon 08/05/23 09:15**	**4633**	
3802		Make Out Permit	0.25 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:15		Operations
3803		Accept Permit	0.25 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:30	3802	L Majoo,O Macheng
3804		Carry Out Electrical Isolation	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	3803	L Majoo,O Macheng
3805		Services Electric Motor And Panel Components	0.25 hrs	Sun 07/05/23 13:45	Sun 07/05/23 14:00	3804	L Majoo,O Macheng
3806		Disconnect, remove motor and send for repairs	2 hrs	Sun 07/05/23 14:00	Sun 07/05/23 16:00	3805	G Moeseraela,T Moloi,K Gabantogele,S
3807		Check Loose Connections In The Panel	0.25 hrs	Sun 07/05/23 16:00	Sun 07/05/23 16:15	3806	L Majoo,O Macheng
3808		Check Contactor Contacts	0.25 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:30	3807	L Majoo,O Macheng
3809		Service Stop/Start	0.25 hrs	Sun 07/05/23 16:30	Sun 07/05/23 16:45	3808	L Majoo,O Macheng
3810		Install and connect motor	2 hrs	Sun 07/05/23 16:45	Mon 08/05/23 07:45	3809	G Moeseraela,T Moloi,K Gabantogele,S
3811		Check Motor Fan Condition	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	3810	L Majoo,O Macheng
3812		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:15	3811	L Majoo,O Macheng
3813		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:30	3812	L Majoo,O Macheng
3814		Seal For Moisture And Dust	0.25 hrs	Mon 08/05/23 08:30	Mon 08/05/23 08:45	3813	L Majoo,O Macheng
3815		Confirm Correct Protection Settings	0.25 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:00	3814	L Majoo,O Macheng
3816		Clear Permit	0.25 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:15	3815	L Majoo,O Macheng
3817	**28B2GA03**	**# A 3RD STAGE FILTRATE PUMP - Services Electric Motor And Panel Components**	**6.75 hrs**	**Mon 08/05/23 09:15**	**Mon 08/05/23 16:30**	**3801**	
3818		Make Out Permit	0.25 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:30		Operations
3819		Accept Permit	0.25 hrs	Mon 08/05/23 09:30	Mon 08/05/23 09:45	3818	L Majoo,O Macheng
3820		Carry Out Electric Isolation	0.25 hrs	Mon 08/05/23 09:30	Mon 08/05/23 09:45	3821	L Majoo,O Macheng
3821		Services Electric Motor And Panel Components	0.25 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:30		L Majoo,O Macheng
3822		Disconnect, remove motor and send for repairs	2 hrs	Mon 08/05/23 09:45	Mon 08/05/23 11:45	3820	G Moeseraela,T Moloi,K Gabantogele,S
3823		Check Loose Connections In The Panel	0.25 hrs	Mon 08/05/23 11:45	Mon 08/05/23 12:00	3822	L Majoo,O Macheng
3824		Check Contactor Contacts	0.25 hrs	Mon 08/05/23 12:30	Mon 08/05/23 12:45	3823	L Majoo,O Macheng
3825		Service Stop/Start	0.25 hrs	Mon 08/05/23 12:45	Mon 08/05/23 13:00	3824	L Majoo,O Macheng
3826		Install and connect motor	2 hrs	Mon 08/05/23 13:00	Mon 08/05/23 15:00	3825	G Moeseraela,T Moloi,K Gabantogele,S

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3827		Check Motor Fan Condition	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	3826	L Majoo,O Macheng
3828		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30	3827	L Majoo,O Macheng
3829		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	3828	L Majoo,O Macheng
3830		Seal For Moisture And Dust	0.25 hrs	Mon 08/05/23 15:45	Mon 08/05/23 16:00	3829	L Majoo,O Macheng
3831		Confirm Correct Protection Settings	0.25 hrs	Mon 08/05/23 16:00	Mon 08/05/23 16:15	3830	L Majoo,O Macheng
3832		Clear Permit	0.25 hrs	Mon 08/05/23 16:15	Mon 08/05/23 16:30	3831	L Majoo,O Macheng
3833	**28B2GA04**	**# 4TH STAGE FILTRATE PUMP - Services Electric Motor And Panel Components**	**6.75 hrs**	**Mon 08/05/23 16:30**	**Tue 09/05/23 12:45**	**3817**	
3834		Make Out Permit	0.25 hrs	Mon 08/05/23 16:30	Mon 08/05/23 16:45		Operations
3835		Accept Permit	0.25 hrs	Mon 08/05/23 16:45	Mon 08/05/23 17:00	3834	L Majoo,O Macheng
3836		Carry Out Electric Isolation	0.25 hrs	Mon 08/05/23 16:45	Mon 08/05/23 17:00	3837	L Majoo,O Macheng
3837		Services Electric Motor And Panel Components	0.25 hrs	Mon 08/05/23 16:30	Mon 08/05/23 16:45		L Majoo,O Macheng
3838		Disconnect, remove motor and send for repairs	2 hrs	Mon 08/05/23 17:00	Tue 09/05/23 08:00	3836	G Moeseraela,T Moloi,K Gabantogele,S
3839		Check Loose Connections In The Panel	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	3838	L Majoo,O Macheng
3840		Check Contactor Contacts	0.25 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:30	3839	L Majoo,O Macheng
3841		Service Stop/Start	0.25 hrs	Tue 09/05/23 08:30	Tue 09/05/23 08:45	3840	L Majoo,O Macheng
3842		Install and connect motor	2 hrs	Tue 09/05/23 08:45	Tue 09/05/23 10:45	3841	G Moeseraela,T Moloi,K Gabantogele,S
3843		Check Motor Fan Condition	0.25 hrs	Tue 09/05/23 10:45	Tue 09/05/23 11:00	3842	L Majoo,O Macheng
3844		Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 09/05/23 11:00	Tue 09/05/23 11:15	3843	L Majoo,O Macheng
3845		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Tue 09/05/23 11:15	Tue 09/05/23 11:30	3844	L Majoo,O Macheng
3846		Seal For Moisture And Dust	0.25 hrs	Tue 09/05/23 11:30	Tue 09/05/23 11:45	3845	L Majoo,O Macheng
3847		Confirm Correct Protection Settings	0.25 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:00	3846	L Majoo,O Macheng
3848		Clear Permit	0.25 hrs	Tue 09/05/23 12:30	Tue 09/05/23 12:45	3847	L Majoo,O Macheng
3849	**28B2GA06A**	**# 1 VACUUM SEAL WATER PUMP - Services Electric Motor And Panel Components**	**6.75 hrs**	**Wed 03/05/23 11:00**	**Thu 04/05/23 07:15**		
3850		Make Out Permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		Operations
3851		Accept Permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	3850	L Majoo,O Macheng
3852		Carry Out Electric Isolation	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	3853	L Majoo,O Macheng
3853		Services Electric Motor And Panel Components	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		L Majoo,O Macheng
3854		Disconnect, remove motor and send for repairs	2 hrs	Wed 03/05/23 11:30	Wed 03/05/23 14:00	3852	G Moeseraela,T Moloi,K Gabantogele,S
3855		Check Loose Connections In The Panel	0.25 hrs	Wed 03/05/23 14:00	Wed 03/05/23 14:15	3854	L Majoo,O Macheng
3856		Check Contactor Contacts	0.25 hrs	Wed 03/05/23 14:15	Wed 03/05/23 14:30	3855	L Majoo,O Macheng
3857		Service Stop/Start	0.25 hrs	Wed 03/05/23 14:30	Wed 03/05/23 14:45	3856	L Majoo,O Macheng
3858		Install and connect motor	2 hrs	Wed 03/05/23 14:45	Wed 03/05/23 16:45	3857	G Moeseraela,T Moloi,K Gabantogele,S
3859		Check Motor Fan Condition	0.25 hrs	Wed 03/05/23 16:45	Wed 03/05/23 17:00	3858	L Majoo,O Macheng
3860		Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 03/05/23 17:00	Wed 03/05/23 17:15	3859	L Majoo,O Macheng
3861		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Wed 03/05/23 17:15	Wed 03/05/23 17:30	3860	L Majoo,O Macheng
3862		Seal For Moisture And Dust	0.25 hrs	Wed 03/05/23 17:30	Wed 03/05/23 17:45	3861	L Majoo,O Macheng
3863		Confirm Correct Protection Settings	0.25 hrs	Wed 03/05/23 17:45	Wed 03/05/23 18:00	3862	L Majoo,O Macheng
3864		Clear Permit	0.25 hrs	Thu 04/05/23 07:00	Thu 04/05/23 07:15	3863	L Majoo,O Macheng
3865	**28B2GA06B**	**# 2 VACUUM SEAL WATER PUMP - Services Electric Motor And Panel Components**	**7 hrs**	**Thu 04/05/23 07:15**	**Thu 04/05/23 14:45**	**3849**	
3866		Make Out Permit	0.25 hrs	Thu 04/05/23 07:15	Thu 04/05/23 07:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3867		Accept Permit	0.25 hrs	Thu 04/05/23 07:30	Thu 04/05/23 07:45	3866	L Majoo,O Macheng
3868		Carry Out Electric Isolation	0.25 hrs	Thu 04/05/23 07:45	Thu 04/05/23 08:00	3867	L Majoo,O Macheng
3869		Services Electric Motor And Panel Components	0.25 hrs	Thu 04/05/23 08:00	Thu 04/05/23 08:15	3868	L Majoo,O Macheng
3870		Disconnect, remove motor and send for repairs	2 hrs	Thu 04/05/23 08:15	Thu 04/05/23 10:15	3869	G Moeseraela,T Moloi,K Gabantogele,S
3871		Check Loose Connections In The Panel	0.25 hrs	Thu 04/05/23 10:15	Thu 04/05/23 10:30	3870	L Majoo,O Macheng
3872		Check Contactor Contacts	0.25 hrs	Thu 04/05/23 10:30	Thu 04/05/23 10:45	3871	L Majoo,O Macheng
3873		Service Stop/Start	0.25 hrs	Thu 04/05/23 10:45	Thu 04/05/23 11:00	3872	L Majoo,O Macheng
3874		Install and connect motor	2 hrs	Thu 04/05/23 11:00	Thu 04/05/23 13:30	3873	G Moeseraela,T Moloi,K Gabantogele,S
3875		Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 04/05/23 13:30	Thu 04/05/23 13:45	3874	L Majoo,O Macheng
3876		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 04/05/23 13:45	Thu 04/05/23 14:00	3875	L Majoo,O Macheng
3877		Seal For Moisture And Dust	0.25 hrs	Thu 04/05/23 14:00	Thu 04/05/23 14:15	3876	L Majoo,O Macheng
3878		Confirm Correct Protection Settings	0.25 hrs	Thu 04/05/23 14:15	Thu 04/05/23 14:30	3877	L Majoo,O Macheng
3879		Clear Permit	0.25 hrs	Thu 04/05/23 14:30	Thu 04/05/23 14:45	3878	L Majoo,O Macheng
3880	**28B2GB02**	**# A1 VACUUM PUMP - Services Electric Motor And Panel Components**	**7.5 hrs**	**Thu 04/05/23 14:45**	**Fri 05/05/23 11:15**	**3865**	
3881		Fabricate cable rack prior	0 hrs	Thu 04/05/23 14:45	Thu 04/05/23 14:45		Fab. Workshop
3882		Make Out Permit	0.25 hrs	Thu 04/05/23 14:45	Thu 04/05/23 15:00	3881	Operations
3883		Accept Permit	0.25 hrs	Thu 04/05/23 15:00	Thu 04/05/23 15:15	3882	L Majoo,O Macheng
3884		Carry Out Electric Isolation	0.25 hrs	Thu 04/05/23 15:15	Thu 04/05/23 15:30	3883	L Majoo,O Macheng
3885		Service Electric Motor And Panel Components	2 hrs	Thu 04/05/23 15:30	Thu 04/05/23 17:30	3884	L Majoo,O Macheng
3886		Remove All Vacuum Motor Canopies	2.5 hrs	Thu 04/05/23 17:30	Fri 05/05/23 09:00	3885	L Majoo,O Macheng
3887		Check Loose Connections In The Panel	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	3886	L Majoo,O Macheng
3888		Check Soft Starter Connections & Clear Dust	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30	3887	L Majoo,O Macheng
3889		Service Stop/Start	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	3888	L Majoo,O Macheng
3890		Check Motor Fan Condition	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	3889	L Majoo,O Macheng
3891		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	3890	L Majoo,O Macheng
3892		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	3891	L Majoo,O Macheng
3893		Seal For Moisture And Dust	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	3892	L Majoo,O Macheng
3894		Confirm Correct Protection Settings	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00	3893	L Majoo,O Macheng
3895		Clear Permit	0.25 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:15	3894	L Majoo,O Macheng
3896	**28B2GB03**	**# A2 VACUUM PUMP - Services Electric Motor And Panel Components**	**7.5 hrs**	**Fri 05/05/23 11:15**	**Sat 06/05/23 08:15**	**3880**	
3897		Fabricate rack prior	0 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:15		Fab. Workshop
3898		Make Out Permit	0.25 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:30	3897	Operations
3899		Accept Permit	0.25 hrs	Fri 05/05/23 11:30	Fri 05/05/23 11:45	3898	L Majoo,O Macheng
3900		Carry Out Electric Isolation	0.25 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:00	3899	L Majoo,O Macheng
3901		Remove All Vacuum Motor Canopies	2.5 hrs	Fri 05/05/23 12:30	Fri 05/05/23 15:00	3900	G Moeseraela,T Moloi,K Gabantogele
3902		Check Loose Connections In The Panel	0.25 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:15	3901	L Majoo,O Macheng
3903		Check Soft Starter Connections& Clear Dust	0.25 hrs	Fri 05/05/23 15:15	Fri 05/05/23 15:30	3902	L Majoo,O Macheng
3904		Service Stop/Start	0.25 hrs	Fri 05/05/23 15:30	Fri 05/05/23 15:45	3903	L Majoo,O Macheng
3905		Check Motor Fan Condition	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00	3904	L Majoo,O Macheng
3906		Replace motor supply cable rack	2 hrs	Fri 05/05/23 16:00	Fri 05/05/23 18:00	3905	M Ramatlhakeng,S Monna
3907		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	3906	L Majoo,O Macheng
3908		Tighten Motor Connections& Gland Intergrity	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	3907	L Majoo,O Macheng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3909		Seal For Moisture And Dust	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45	3908	L Majoo,O Macheng
3910		Confirm Correct Protection Settings	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	3909	L Majoo,O Macheng
3911		Clear Permit	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	3910	L Majoo,O Macheng
3912	**28B2GB04**	**# A3 VACUUM PUMP - Services Electric Motor And Panel Components**	**7.25 hrs**	**Mon 08/05/23 15:00**	**Tue 09/05/23 11:15**	**4746**	
3913		Fabricate cable rack prior	0 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:00		Fab. Workshop
3914		Make Out Permit	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	3913	Operations
3915		Accept Permit	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30	3914	L Majoo,O Macheng
3916		Remove All Vacuum Motor Canopies	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	3915	G Moeseraela,T Moloi,K Gabantogele
3917		Carry Out Electric Isolation	0.25 hrs	Mon 08/05/23 15:45	Mon 08/05/23 16:00	3916	L Majoo,O Macheng
3918		Disconnect and remove motor and send for repairs	2 hrs	Mon 08/05/23 16:00	Mon 08/05/23 18:00	3917	G Moeseraela,T Moloi,K Gabantogele,S
3919		Check Loose Connections In The Panel	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	3918	L Majoo,O Macheng
3920		Check Soft Starter Connections & Clear Dust	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	3919	L Majoo,O Macheng
3921		Service Stop/Start	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	3920	L Majoo,O Macheng
3922		Install and connect motor	2 hrs	Tue 09/05/23 07:45	Tue 09/05/23 09:45	3921	G Moeseraela,T Moloi,K Gabantogele,S
3923		Check Motor Fan Condition	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	3922	L Majoo,O Macheng
3924		Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:15	3923	L Majoo,O Macheng
3925		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Tue 09/05/23 10:15	Tue 09/05/23 10:30	3924	L Majoo,O Macheng
3926		Seal For Moisture And Dust	0.25 hrs	Tue 09/05/23 10:30	Tue 09/05/23 10:45	3925	L Majoo,O Macheng
3927		Confirm Correct Protection Settings	0.25 hrs	Tue 09/05/23 10:45	Tue 09/05/23 11:00	3926	L Majoo,O Macheng
3928		Clear Permit	0.25 hrs	Tue 09/05/23 11:00	Tue 09/05/23 11:15	3927	L Majoo,O Macheng
3929	**28B2RE01**	**# BICARBONATE BELT CONVEYOR - Services Electric Motor And Panel Components**	**6 hrs**	**Tue 09/05/23 11:15**	**Tue 09/05/23 17:45**	**3912**	
3930		Make Out Permit	0.25 hrs	Tue 09/05/23 11:15	Tue 09/05/23 11:30		Operations
3931		Accept Permit	0.25 hrs	Tue 09/05/23 11:30	Tue 09/05/23 11:45	3930	L Majoo,O Macheng
3932		Carry Out Electric Isolation	0.25 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:00	3931	L Majoo,O Macheng
3933		Replace trip switches and pull wires	0.25 hrs	Tue 09/05/23 12:30	Tue 09/05/23 12:45	3932	L Majoo,O Macheng
3934		Services Electric Motor And Panel Components	0.25 hrs	Tue 09/05/23 12:45	Tue 09/05/23 13:00	3933	L Majoo,O Macheng
3935		Check Loose Connections In The Panel	0.25 hrs	Tue 09/05/23 13:00	Tue 09/05/23 13:15	3934	L Majoo,O Macheng
3936		Check Contactor Contacts	0.25 hrs	Tue 09/05/23 13:15	Tue 09/05/23 13:30	3935	L Majoo,O Macheng
3937		Service U/S Circuit	0.25 hrs	Tue 09/05/23 13:30	Tue 09/05/23 13:45	3936	L Majoo,O Macheng
3938		Replace Worn Underspeed Feed Cable Rack	2.5 hrs	Tue 09/05/23 13:45	Tue 09/05/23 16:15	3937	L Majoo,O Macheng
3939		Check Motor Fan Condition	0.25 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:30	3938	L Majoo,O Macheng
3940		Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 09/05/23 16:30	Tue 09/05/23 16:45	3939	L Majoo,O Macheng
3941		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:00	3940	L Majoo,O Macheng
3942		Seal For Moisture And Dust	0.25 hrs	Tue 09/05/23 17:00	Tue 09/05/23 17:15	3941	L Majoo,O Macheng
3943		Confirm Correct Protection Settings	0.25 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:30	3942	L Majoo,O Macheng
3944		Clear Permit	0.25 hrs	Tue 09/05/23 17:30	Tue 09/05/23 17:45	3943	L Majoo,O Macheng
3945	**28B2FK01**	**# A BELT FILTER - Carry out general electrical inspections**	**11.25 hrs**	**Tue 09/05/23 17:45**	**Thu 11/05/23 07:30**	**3929**	
3946		Replace cable rack the Belt Filter structure prior	0 hrs	Tue 09/05/23 17:45	Tue 09/05/23 17:45		
3947		Make Out Permit	0.25 hrs	Tue 09/05/23 17:45	Tue 09/05/23 18:00	3946	Operations
3948		Accept Permit	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	3947	L Majoo,O Macheng
3949		Carry Out Electric Isolation	0.25 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:30	3948	L Majoo,O Macheng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3950		Disconnect and remove motor and send for repairs	2 hrs	Wed 10/05/23 07:30	Wed 10/05/23 09:30	3949	G Moeseraela,T Moloi,K Gabantogele,S
3951		Replace trip switches and pull wires	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45	3950	L Majoo,O Macheng
3952		Check Loose Connections In The Panel	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00	3951	L Majoo,O Macheng
3953		Check Vsd Connections And Blow Out Dust	0.25 hrs	Wed 10/05/23 10:00	Wed 10/05/23 10:15	3952	L Majoo,O Macheng
3954		Service Stop/Start	0.25 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:30	3953	L Majoo,O Macheng
3955		Install and connect motor	2 hrs	Wed 10/05/23 10:30	Wed 10/05/23 13:00	3954	G Moeseraela,T Moloi,K Gabantogele,S
3956		Replace pick tails for trip wire	1 hr	Wed 10/05/23 13:00	Wed 10/05/23 14:00	3955	L Majoo,O Macheng
3957		Service Belt alignment Switches& Thoroughly Seal	2 hrs	Wed 10/05/23 14:00	Wed 10/05/23 16:00	3956	L Majoo,O Macheng
3958		Service Pull Switshes and replace worn out units	1 hr	Wed 10/05/23 16:00	Wed 10/05/23 17:00	3957	L Majoo,O Macheng
3959		Inspect pull wire for wear	0.5 hrs	Wed 10/05/23 17:00	Wed 10/05/23 17:30	3958	L Majoo,O Macheng
3960		Service pull wires junction box	0.25 hrs	Wed 10/05/23 17:30	Wed 10/05/23 17:45	3959	L Majoo,O Macheng
3961		Seal For Moisture And Dust	0.25 hrs	Wed 10/05/23 17:45	Wed 10/05/23 18:00	3960	L Majoo,O Macheng
3962		Change Vsd Motor Protection To Match Name Plate	0.25 hrs	Thu 11/05/23 07:00	Thu 11/05/23 07:15	3961	L Majoo,O Macheng
3963		Clear Permit	0.25 hrs	Thu 11/05/23 07:15	Thu 11/05/23 07:30	3962	L Majoo,O Macheng
3964	**28B2GB01**	**# A BELT FILTER BLOWER - Services Electric Motor And Panel Components**	**7 hrs**	**Thu 11/05/23 07:30**	**Thu 11/05/23 15:00**	**3945**	
3965		Make Out Permit	0.25 hrs	Thu 11/05/23 07:30	Thu 11/05/23 07:45		Operations
3966		Accept Permit	0.25 hrs	Thu 11/05/23 07:45	Thu 11/05/23 08:00	3965	L Majoo,O Macheng
3967		Services Electric Motor And Panel Components	0.25 hrs	Thu 11/05/23 08:00	Thu 11/05/23 08:15	3966	L Majoo,O Macheng
3968		Carry Out Electric Isolation	0.25 hrs	Thu 11/05/23 08:15	Thu 11/05/23 08:30	3967	L Majoo,O Macheng
3969		Disconnect and remove motor and send for repairs	2 hrs	Thu 11/05/23 08:30	Thu 11/05/23 10:30	3968	G Moeseraela,T Moloi,K Gabantogele,S
3970		Check Loose Connections In The Panel	0.25 hrs	Thu 11/05/23 10:30	Thu 11/05/23 10:45	3969	L Majoo,O Macheng
3971		Check Contactor Contacts	0.25 hrs	Thu 11/05/23 10:45	Thu 11/05/23 11:00	3970	L Majoo,O Macheng
3972		Service Stop/Start	0.25 hrs	Thu 11/05/23 11:00	Thu 11/05/23 11:15	3971	L Majoo,O Macheng
3973		Install and connect motor	2 hrs	Thu 11/05/23 11:15	Thu 11/05/23 13:45	3972	G Moeseraela,T Moloi,K Gabantogele,S
3974		Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 11/05/23 13:45	Thu 11/05/23 14:00	3973	L Majoo,O Macheng
3975		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 11/05/23 14:00	Thu 11/05/23 14:15	3974	L Majoo,O Macheng
3976		Seal For Moisture And Dust	0.25 hrs	Thu 11/05/23 14:15	Thu 11/05/23 14:30	3975	L Majoo,O Macheng
3977		Confirm correct protection settings	0.25 hrs	Thu 11/05/23 14:30	Thu 11/05/23 14:45	3976	L Majoo,O Macheng
3978		Clear Permit	0.25 hrs	Thu 11/05/23 14:45	Thu 11/05/23 15:00	3977	L Majoo,O Macheng
3979	**28B2GK01**	**SLURRY HEAD TANK - Carry out maintenance on electrical components**	**4.25 hrs**	**Thu 11/05/23 15:00**	**Fri 12/05/23 08:15**	**3964**	
3980		Make out permit	0.25 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:15		L Majoo,O Macheng
3981		Accept permit	0.25 hrs	Thu 11/05/23 15:15	Thu 11/05/23 15:30	3980	L Majoo,O Macheng
3982		Carry out electrical isolation	0.25 hrs	Thu 11/05/23 15:30	Thu 11/05/23 15:45	3981	L Majoo,O Macheng
3983		Check loose connections in the panel	0.25 hrs	Thu 11/05/23 15:45	Thu 11/05/23 16:00	3982	L Majoo,O Macheng
3984		Check Contactor contacts connetions	0.25 hrs	Thu 11/05/23 16:00	Thu 11/05/23 16:15	3983	L Majoo,O Macheng
3985		Confirm correct setting of protections	0.25 hrs	Thu 11/05/23 16:15	Thu 11/05/23 16:30	3984	L Majoo,O Macheng
3986		Service Stop/start	0.5 hrs	Thu 11/05/23 16:30	Thu 11/05/23 17:00	3985	L Majoo,O Macheng
3987		Check motor fan condition	0.5 hrs	Thu 11/05/23 17:00	Thu 11/05/23 17:30	3986	L Majoo,O Macheng
3988		Check oil leaks from geared unit	0.5 hrs	Thu 11/05/23 17:30	Thu 11/05/23 18:00	3987	L Majoo,O Macheng,D Keaketswe,S Kal
3989		Check cable terminal leads for over heating	0.25 hrs	Fri 12/05/23 07:00	Fri 12/05/23 07:15	3988	L Majoo,O Macheng
3990		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:30	3989	L Majoo,O Macheng
3991		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 07:30	Fri 12/05/23 07:45	3990	L Majoo,O Macheng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3992		Confirm correct protection settings	0.25 hrs	Fri 12/05/23 07:45	Fri 12/05/23 08:00	3991	L Majoo,O Macheng
3993		Clear permit	0.25 hrs	Fri 12/05/23 08:00	Fri 12/05/23 08:15	3992	L Majoo,O Macheng
3994	**28B2GA04M**	**B' SCRUBBER CIRCULATION PUMP A - Carry out Electrical maintenance**	**3.5 hrs**	**Fri 12/05/23 08:15**	**Fri 12/05/23 11:45**	**3979**	
3995		Make out permit	0.25 hrs	Fri 12/05/23 08:15	Fri 12/05/23 08:30		Operations
3996		Accept permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45	3995	L Majoo,O Macheng
3997		Carry out Elec isolation	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	3996	L Majoo,O Macheng
3998		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	3997	L Majoo,O Macheng
3999		Check Contactor contacts	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30	3998	L Majoo,O Macheng
4000		Service Stop/start	0.5 hrs	Fri 12/05/23 09:30	Fri 12/05/23 10:00	3999	L Majoo,O Macheng
4001		Check motor fan condition	0.25 hrs	Fri 12/05/23 10:00	Fri 12/05/23 10:15	4000	L Majoo,O Macheng
4002		Check cable terminal leads for over heating	0.25 hrs	Fri 12/05/23 10:15	Fri 12/05/23 10:30	4001	L Majoo,O Macheng
4003		Tighten Motor connections & Gland intergrity	0.5 hrs	Fri 12/05/23 10:30	Fri 12/05/23 11:00	4002	L Majoo,O Macheng
4004		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:15	4003	L Majoo,O Macheng
4005		Confirm correct protection settings	0.25 hrs	Fri 12/05/23 11:15	Fri 12/05/23 11:30	4004	L Majoo,O Macheng
4006		Clear permit	0.25 hrs	Fri 12/05/23 11:30	Fri 12/05/23 11:45	4005	L Majoo,O Macheng
4007	**28B2GA04M**	**B' SCRUBBER CIRCULATION PUMP B - Carry out Electrical maintenance**	**3.5 hrs**	**Fri 12/05/23 11:45**	**Fri 12/05/23 15:45**	**3994**	
4008		Make out permit	0.25 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:00		Operations
4009		Accept permit	0.25 hrs	Fri 12/05/23 12:30	Fri 12/05/23 12:45	4008	L Majoo,O Macheng
4010		Carry out Elec isolation	0.25 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:00	4009	L Majoo,O Macheng
4011		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:15	4010	L Majoo,O Macheng
4012		Check Contactor contacts	0.25 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:30	4011	L Majoo,O Macheng
4013		Service Stop/start	0.5 hrs	Fri 12/05/23 13:30	Fri 12/05/23 14:00	4012	L Majoo,O Macheng
4014		Check motor fan condition	0.25 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:15	4013	L Majoo,O Macheng
4015		Check cable terminal leads for over heating	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30	4014	L Majoo,O Macheng
4016		Tighten Motor connections& Gland intergrity	0.5 hrs	Fri 12/05/23 14:30	Fri 12/05/23 15:00	4015	L Majoo,O Macheng
4017		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	4016	L Majoo,O Macheng
4018		Confirm correct protection settings	0.25 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:30	4017	L Majoo,O Macheng
4019		Clear permit	0.25 hrs	Fri 12/05/23 15:30	Fri 12/05/23 15:45	4018	L Majoo,O Macheng
4020	**28B2GA01M**	**A' SCRUBBER CIRCULATION PUMP A - Carry out Electrical maintenance**	**3.5 hrs**	**Fri 12/05/23 15:45**	**Sat 13/05/23 08:15**	**4007**	
4021		Make out permit	0.25 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:00		Operations
4022		Accept permit	0.25 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:15	4021	L Majoo,O Macheng
4023		Carry out Elec isolation	0.25 hrs	Fri 12/05/23 16:15	Fri 12/05/23 16:30	4022	L Majoo,O Macheng
4024		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 16:30	Fri 12/05/23 16:45	4023	L Majoo,O Macheng
4025		Check Contactor contacts	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	4024	L Majoo,O Macheng
4026		Service Stop/start	0.5 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:30	4025	L Majoo,O Macheng
4027		Check motor fan condition	0.25 hrs	Fri 12/05/23 17:30	Fri 12/05/23 17:45	4026	L Majoo,O Macheng
4028		Check cable terminal leads for over heating	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00	4027	L Majoo,O Macheng
4029		Tighten Motor connections& Gland intergrity	0.5 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:30	4028	L Majoo,O Macheng
4030		Seal for Moisture and dust.	0.25 hrs	Sat 13/05/23 07:30	Sat 13/05/23 07:45	4029	L Majoo,O Macheng
4031		Confirm correct protection settings	0.25 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:00	4030	L Majoo,O Macheng
4032		Clear permit	0.25 hrs	Sat 13/05/23 08:00	Sat 13/05/23 08:15	4031	L Majoo,O Macheng
4033	**28B2GA01M**	**A' SCRUBBER CIRCULATION PUMP B - Carry out Electrical maintenance**	**3.5 hrs**	**Sat 13/05/23 08:15**	**Sat 13/05/23 11:45**	**4020**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4034		Make out permit	0.25 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:30		Operations
4035		Accept permit	0.25 hrs	Sat 13/05/23 08:30	Sat 13/05/23 08:45	4034	L Majoo,O Macheng
4036		Carry out Elec isolation	0.25 hrs	Sat 13/05/23 08:45	Sat 13/05/23 09:00	4035	L Majoo,O Macheng
4037		Check loose connections in the panel	0.25 hrs	Sat 13/05/23 09:00	Sat 13/05/23 09:15	4036	L Majoo,O Macheng
4038		Check Contactor contacts	0.25 hrs	Sat 13/05/23 09:15	Sat 13/05/23 09:30	4037	L Majoo,O Macheng
4039		Service Stop/start	0.5 hrs	Sat 13/05/23 09:30	Sat 13/05/23 10:00	4038	L Majoo,O Macheng
4040		Check motor fan condition	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15	4039	L Majoo,O Macheng
4041		Check cable terminal leads for over heating	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	4040	L Majoo,O Macheng
4042		Tighten Motor connections& Gland intergrity	0.5 hrs	Sat 13/05/23 10:30	Sat 13/05/23 11:00	4041	L Majoo,O Macheng
4043		Seal for Moisture and dust.	0.25 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:15	4042	L Majoo,O Macheng
4044		Confirm correct protection settings	0.25 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:30	4043	L Majoo,O Macheng
4045		Clear permit	0.25 hrs	Sat 13/05/23 11:30	Sat 13/05/23 11:45	4044	L Majoo,O Macheng
4046		**INSTRUMENTATION**	**69 hrs**	**Wed 03/05/23 11:00**	**Tue 09/05/23 17:30**	**3325**	
4047	**28B2FK01**	**# A BELT FILTER - Overhaul alignment system**	**11 hrs**	**Wed 03/05/23 11:00**	**Thu 04/05/23 11:30**		
4048		Make out permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		Operations
4049		Accept permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	4048	O Jacob,K Dijeng
4050		Disconnect instruments	1 hr	Wed 03/05/23 11:30	Wed 03/05/23 13:00	4049	O Jacob,K Dijeng
4051		Remove the device	3 hrs	Wed 03/05/23 13:00	Wed 03/05/23 16:00	4050	O Jacob,K Dijeng,S Kalankane,D Keakets
4052		Overhaul the system	3 hrs	Wed 03/05/23 16:00	Thu 04/05/23 08:00	4051	O Jacob,K Dijeng
4053		Install the system	3 hrs	Thu 04/05/23 08:00	Thu 04/05/23 11:00	4052	O Jacob,K Dijeng,S Kalankane,D Keakets
4054		Stroke check	0.25 hrs	Thu 04/05/23 11:00	Thu 04/05/23 11:15	4053	O Jacob,K Dijeng
4055		Clear permit	0.25 hrs	Thu 04/05/23 11:15	Thu 04/05/23 11:30	4054	O Jacob,K Dijeng
4056	**28LC002**	**CLOTH WASH MAKEUP VALVE - Remove & overhaul**	**13 hrs**	**Thu 04/05/23 11:30**	**Fri 05/05/23 14:30**	**4047**	
4057		Make out permit	0.25 hrs	Thu 04/05/23 11:30	Thu 04/05/23 11:45		Operations
4058		Accept permit	0.25 hrs	Thu 04/05/23 11:45	Thu 04/05/23 12:00	4057	O Jacob,K Dijeng
4059		Disconnect instruments	1 hr	Thu 04/05/23 12:30	Thu 04/05/23 13:30	4058	O Jacob,K Dijeng
4060		Remove valve	2 hrs	Thu 04/05/23 13:30	Thu 04/05/23 15:30	4059	RSC Scaffolding,G Moeseraela,T Moloi,I
4061		Overhaul valve	5 hrs	Thu 04/05/23 15:30	Fri 05/05/23 09:30	4060	Aveng,O Jacob,K Dijeng
4062		Install valve	4.5 hrs	Fri 05/05/23 09:30	Fri 05/05/23 14:00	4061	RSC Scaffolding,G Moeseraela,T Moloi,I
4063		Stroke check valve	0.25 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:15	4062	O Jacob,K Dijeng
4064		Clear permit	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	4063	O Jacob,K Dijeng
4065	**28HS002**	**# A BELT FILTER VALVE (slide gate) - replace valve**	**4.75 hrs**	**Mon 08/05/23 18:00**	**Tue 09/05/23 11:45**	**4056SS+4 d**	
4066		Make out permit	0.25 hrs	Mon 08/05/23 18:00	Mon 08/05/23 18:15		Operations
4067		Accept permit	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	4066	O Jacob,K Dijeng
4068		Disconnect instruments	1 hr	Tue 09/05/23 07:15	Tue 09/05/23 08:15	4067	O Jacob,K Dijeng
4069		Replace valve	3 hrs	Tue 09/05/23 08:15	Tue 09/05/23 11:15	4068	G Moeseraela,T Moloi,K Gabantogele,C
4070		Stroke check valve	0.25 hrs	Tue 09/05/23 11:15	Tue 09/05/23 11:30	4069	O Jacob,K Dijeng
4071		Clear permit	0.25 hrs	Tue 09/05/23 11:30	Tue 09/05/23 11:45	4070	O Jacob,K Dijeng
4072	**28LC101**	**# A BELT LEVEL CONTROL VALVE - Replace sleeve**	**5.25 hrs**	**Tue 09/05/23 11:45**	**Tue 09/05/23 17:30**	**4065**	
4073		Make out permit	0.25 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:00		Operations
4074		Accept permit	0.25 hrs	Tue 09/05/23 12:30	Tue 09/05/23 12:45	4073	O Jacob,K Dijeng
4075		Disconnect instruments	1 hr	Tue 09/05/23 12:45	Tue 09/05/23 13:45	4074	O Jacob,K Dijeng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4076		Remove old sleeve/liner	2 hrs	Tue 09/05/23 13:45	Tue 09/05/23 15:45	4075	RSC Scaffolding,G Moeseraela,T Moloi,I
4077		Replace sleeve/liner	1 hr	Tue 09/05/23 15:45	Tue 09/05/23 16:45	4076	O Jacob,K Dijeng
4078		Stroke check valve	0.25 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:00	4077	O Jacob,K Dijeng
4079		Clear permit	0.5 hrs	Tue 09/05/23 17:00	Tue 09/05/23 17:30	4078	O Jacob,K Dijeng
4080	**Area 28C**	**BICARBONATE FILTRATION - B LINE**	**233.5 hrs**	**Wed 03/05/23 06:30**	**Thu 25/05/23 09:30**		
4081		**OPERATIONS**	**89.75 hrs**	**Wed 03/05/23 06:30**	**Thu 11/05/23 13:15**		
4082		**PLANT STOPPAGE**	**1.5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 08:30**	**3278SS**	
4083		Stop plant and flush circuit	2 hrs	Wed 03/05/23 06:30	Wed 03/05/23 08:30		Operations
4084		**FILTRATION SCRUCTURE - Clean structure**	**21.75 hrs**	**Wed 03/05/23 08:30**	**Fri 05/05/23 09:15**	**4082**	
4085		Make out permit	0.25 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:45		Operations
4086		Accept permit	0.25 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:00	4085	Operations
4087		Clean Filtration structure	48 hrs	Wed 03/05/23 09:00	Fri 05/05/23 09:00	4086	Operations
4088		Clear Permit	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	4087	S Kalankane,D Keaketswe
4089	**28B2FB01**	**FILTRATE RECIEVERS - Clean Receivers**	**10.5 hrs**	**Fri 05/05/23 07:15**	**Sat 06/05/23 07:15**	**3284**	
4090		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
4091		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	4090	S Kalankane,D Keaketswe
4092		Open covers for all the tanks	4 hrs	Fri 05/05/23 07:45	Fri 05/05/23 11:45	4091	S Kalankane,D Keaketswe
4093		Primary Filtrate Tank	3 hrs	Fri 05/05/23 11:45	Fri 05/05/23 14:45	4092	Operations
4094		Secondary Filtrate Tank	3 hrs	Fri 05/05/23 14:45	Fri 05/05/23 17:45	4093	Operations
4095		Third Stage Filtrate Tank	3 hrs	Fri 05/05/23 17:45	Fri 05/05/23 20:45	4094	Operations
4096		Fourth Filtrate Tank	3 hrs	Fri 05/05/23 20:45	Fri 05/05/23 23:45	4095	Operations
4097		Clear Permit	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	4096	S Kalankane,D Keaketswe
4098	**28C2FK02**	**# B BELT FILTER - Clean Airbox**	**58 hrs**	**Sat 06/05/23 07:15**	**Thu 11/05/23 13:15**	**4089**	
4099		Make Out Permit	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30		Operations
4100		Accept Permit	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45	4099	S Kalankane,D Keaketswe
4101		Lift Belt,Remove Bolts & Top Of Air Box	16 hrs	Sat 06/05/23 07:45	Sun 07/05/23 13:45	4100	S Kalankane,D Keaketswe
4102		Clean Out Air Box	16 hrs	Sun 07/05/23 13:45	Mon 08/05/23 05:45	4101	Operations
4103		Introduce Inspection Cover (Brown)	6 hrs	Mon 08/05/23 07:00	Mon 08/05/23 13:30	4102	S Kalankane,D Keaketswe
4104		Replace Cover	30 hrs	Mon 08/05/23 13:30	Thu 11/05/23 11:30	4103	S Kalankane,D Keaketswe
4105		Test Run	1 hr	Thu 11/05/23 11:30	Thu 11/05/23 13:00	4104	S Kalankane,D Keaketswe
4106		Clear Permit	0.25 hrs	Thu 11/05/23 13:00	Thu 11/05/23 13:15	4105	S Kalankane,D Keaketswe
4107		**MAINTENANCE STARTS**	**0 hrs**	**Fri 05/05/23 09:15**	**Fri 05/05/23 09:15**	**4084**	
4108		Maintenance jobs commence	0 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:15		
4109		**MECHANICAL**	**210.25 hrs**	**Fri 05/05/23 09:15**	**Thu 25/05/23 09:30**	**4107**	
4110	**28B2FK01**	**B BELT FILTER - Replace belt structure with stainless steel**	**210.25 hrs**	**Fri 05/05/23 09:15**	**Thu 25/05/23 09:30**		
4111		Make Out Permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4112		Accept Permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4111	S Kalankane,D Keaketswe
4113		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4112	GKD,Wesley,S Kalankane,D Keaketswe
4114		Remove electrical fittings	2 hrs	Fri 05/05/23 10:00	Fri 05/05/23 12:00	4113	L Majoo,O Macheng
4115		Remove instruments	2 hrs	Fri 05/05/23 10:00	Fri 05/05/23 12:00	4114SS	O Jacob
4116		Top deck items removal	10 hrs	Fri 05/05/23 12:30	Sat 06/05/23 11:30	4115	GKD,M-Crane 60Ton,G Moeseraela,T M
4117		Bottom deck items removal	20 hrs	Sat 06/05/23 11:30	Mon 08/05/23 10:30	4116	GKD,M-Crane 60Ton,G Moeseraela,T M

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4118		Suspend carrier belt	1 hr	Mon 08/05/23 10:30	Mon 08/05/23 11:30	4117	M-Crane 60Ton,G Moeseraela,T Moloi
4119		Remove vacuum box, Air boxes and Support beams	40 hrs	Mon 08/05/23 11:30	Fri 12/05/23 09:30	4118	GKD,M-Crane 60Ton,G Moeseraela,T M
4120		Core drill for anchor supports	10 hrs	Fri 12/05/23 09:30	Sat 13/05/23 09:00	4119	Seisa,Builders
4121		Install vacuum box, Air boxes, Support beams and Bottom deck items	60 hrs	Sat 13/05/23 09:00	Thu 18/05/23 17:00	4120	GKD,M-Crane 60Ton,G Moeseraela,T M
4122		Final alignment and corrections	30 hrs	Thu 18/05/23 17:00	Sun 21/05/23 15:30	4121	GKD,M-Crane 60Ton,G Moeseraela,T M
4123		Top deck items installation	12 hrs	Sun 21/05/23 15:30	Mon 22/05/23 17:00	4122	GKD,M-Crane 60Ton,G Moeseraela,T M
4124		Install electrical fittings	2 hrs	Mon 22/05/23 17:00	Tue 23/05/23 08:00	4123	L Majoo,O Macheng
4125		Install instruments	2 hrs	Mon 22/05/23 17:00	Tue 23/05/23 08:00	4124SS	O Jacob
4126		Cold commissioning	0 hrs	Thu 25/05/23 08:15	Thu 25/05/23 08:15	4142,4165,	GKD,Nicholas
4127		Carry out housekeeping	1 hr	Thu 25/05/23 08:15	Thu 25/05/23 09:15	4126	GKD
4128		Hot commissioning	0 hrs	Thu 25/05/23 09:15	Thu 25/05/23 09:15	4127	GKD,Nicholas
4129		Clear Permit	0.25 hrs	Thu 25/05/23 09:15	Thu 25/05/23 09:30	4128	S Kalankane,Operations
4130	**28C2FK02**	**# B BELT FILTER - Replace Tail pulley**	**191 hrs**	**Fri 05/05/23 09:15**	**Tue 23/05/23 11:15**		
4131		Issue Permit To Work	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4132		Accept Permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4131	S Kalankane
4133		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4132	S Kalankane,D Keaketswe
4134		Undo plummer block bolts	1 hr	Fri 05/05/23 10:00	Fri 05/05/23 11:00	4133	S Kalankane,D Keaketswe
4135		Rig pulley out	6 hrs	Fri 05/05/23 11:00	Fri 05/05/23 17:30	4134	S Kalankane,D Keaketswe
4136		Remove bearing housings	2 hrs	Fri 05/05/23 17:30	Sat 06/05/23 08:30	4135	S Kalankane,D Keaketswe
4137		Install bearing housings on new pulley	1 hr	Sat 06/05/23 08:30	Sat 06/05/23 09:30	4136	S Kalankane,D Keaketswe
4138		Rig in new pulley	6 hrs	Sat 06/05/23 09:30	Sat 06/05/23 16:00	4137	S Kalankane,D Keaketswe
4139		Suspend pulley to allow for structural works	1 hr	Sat 06/05/23 16:00	Sat 06/05/23 17:00	4138	S Kalankane,D Keaketswe
4140		Position pulley	3 hrs	Mon 22/05/23 17:00	Tue 23/05/23 09:00	4139,4123	S Kalankane,D Keaketswe
4141		Tighten plummer block bolts	1 hr	Tue 23/05/23 09:00	Tue 23/05/23 10:00	4140	S Kalankane,D Keaketswe
4142		Carry out housekeeping	1 hr	Tue 23/05/23 10:00	Tue 23/05/23 11:00	4141	S Kalankane,D Keaketswe
4143		Clear Permit	0.25 hrs	Tue 23/05/23 11:00	Tue 23/05/23 11:15	4142	S Kalankane
4144	**28C2FK02**	**# B BELT FILTER - Inspect all Bearings**	**39.25 hrs**	**Fri 05/05/23 09:15**	**Mon 08/05/23 17:30**		
4145		Accept permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4146		Access permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4145	S Kalankane,D Keaketswe
4147		Isolate & lock out	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4146	S Kalankane,D Keaketswe
4148		Carry out risk assesment	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	4147	S Kalankane,D Keaketswe
4149		Slacken the adjusting bolts	6 hrs	Fri 05/05/23 10:15	Fri 05/05/23 16:45	4148	S Kalankane,D Keaketswe
4150		Inspect/replace bearings	24 hrs	Fri 05/05/23 16:45	Mon 08/05/23 08:45	4149	S Kalankane,D Keaketswe
4151		Tension the belt	4 hrs	Mon 08/05/23 08:45	Mon 08/05/23 13:15	4150	S Kalankane,D Keaketswe
4152		Carry out house keeping	2 hrs	Mon 08/05/23 13:15	Mon 08/05/23 15:15	4151	S Kalankane,D Keaketswe
4153		Commission	2 hrs	Mon 08/05/23 15:15	Mon 08/05/23 17:15	4152	S Kalankane,D Keaketswe
4154		Clear permit	0.25 hrs	Mon 08/05/23 17:15	Mon 08/05/23 17:30	4153	S Kalankane,D Keaketswe
4155	**28C2FK02**	**BELT FILTER B- Replace ripple skirting with fixed skirting**	**23.75 hrs**	**Mon 22/05/23 17:00**	**Thu 25/05/23 08:45**		
4156		Make out permit	0.25 hrs	Mon 22/05/23 17:00	Mon 22/05/23 17:15	4123	Operations
4157		Accept permit	0.25 hrs	Mon 22/05/23 17:15	Mon 22/05/23 17:30	4156	S Kalankane,D Keaketswe
4158		Carry out risk assesment	0.25 hrs	Mon 22/05/23 17:30	Mon 22/05/23 17:45	4157	S Kalankane,D Keaketswe
4159		Disconnect the hoses to the troughs and remove it	1 hr	Mon 22/05/23 17:45	Tue 23/05/23 07:45	4158	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4160		Rig out the troughs	1 hr	Tue 23/05/23 07:45	Tue 23/05/23 08:45	4159	G Moeseraela,K Gabantogele,T Moloi
4161		Lift the counterweight for the cloth and slack	0.5 hrs	Tue 23/05/23 08:45	Tue 23/05/23 09:15	4160	S Kalankane,D Keaketswe
4162		Remove the whole ripple skirting	10 hrs	Tue 23/05/23 09:15	Wed 24/05/23 08:45	4161	S Kalankane,D Keaketswe
4163		Mount teflon brackets	3 hrs	Wed 24/05/23 08:45	Wed 24/05/23 11:45	4162	S Kalankane,D Keaketswe
4164		Install the teflon sections	3 hrs	Wed 24/05/23 11:45	Wed 24/05/23 15:15	4163	S Kalankane,D Keaketswe
4165		Install cloth	4 hrs	Wed 24/05/23 15:15	Thu 25/05/23 08:15	4164	S Kalankane,D Keaketswe
4166		Clear permit	0.5 hrs	Thu 25/05/23 08:15	Thu 25/05/23 08:45	4165	S Kalankane,D Keaketswe
4167	**28C2FK02**	**# B BELT FILTER - inspect gearbox**	**17.5 hrs**	**Mon 08/05/23 17:30**	**Wed 10/05/23 14:00**	**4144**	
4168		Make out permit	0.25 hrs	Mon 08/05/23 17:30	Mon 08/05/23 17:45		Operations
4169		Accept permit	0.25 hrs	Mon 08/05/23 17:45	Mon 08/05/23 18:00	4168	S Kalankane,D Keaketswe
4170		Carry out risk assesment	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	4169	M Ramatlhakeng,S Monna,G Moeserae
4171		Remove drive belts guard	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	4170	S Kalankane,D Keaketswe
4172		Disconnect motor cables	0.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:45	4171SS	L Majoo,O Macheng
4173		Lower the motor and remove drive belts	0.5 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:15	4172	S Kalankane,D Keaketswe
4174		Undo motor holding down bolts	0.5 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:45	4173	S Kalankane,D Keaketswe
4175		Rig out motor	1 hr	Tue 09/05/23 08:45	Tue 09/05/23 09:45	4174	O/H crane,G Moeseraela,K Gabantogel
4176		Undo motor base holding down bolts	0.5 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:15	4175	S Kalankane,D Keaketswe
4177		Rig out motor base	0.5 hrs	Tue 09/05/23 10:15	Tue 09/05/23 10:45	4176	O/H crane,G Moeseraela,K Gabantogel
4178		Remove gearbox shaft end cover	0.25 hrs	Tue 09/05/23 10:45	Tue 09/05/23 11:00	4177	S Kalankane,D Keaketswe
4179		Uncouple gearbox from motor	1.5 hrs	Tue 09/05/23 11:00	Tue 09/05/23 13:00	4178	S Kalankane,D Keaketswe
4180		Undo gearbox holding down bolts	0.5 hrs	Tue 09/05/23 13:00	Tue 09/05/23 13:30	4179	G Moeseraela,K Gabantogele,T Moloi,S
4181		Uncouple gearbox from belt pulley	1 hr	Tue 09/05/23 13:30	Tue 09/05/23 14:30	4180	S Kalankane,D Keaketswe
4182		Rig out gearbox	1 hr	Tue 09/05/23 14:30	Tue 09/05/23 15:30	4181	O/H crane,G Moeseraela,K Gabantogel
4183		Clean all the shafts and bases	0.5 hrs	Tue 09/05/23 15:30	Tue 09/05/23 16:00	4182	S Kalankane,D Keaketswe
4184		Remove coupling from old gearbox	2 hrs	Tue 09/05/23 16:00	Tue 09/05/23 18:00	4183	S Kalankane,D Keaketswe
4185		Install coupling on new gearbox	1 hr	Wed 10/05/23 07:00	Wed 10/05/23 08:00	4184	G Moeseraela,K Gabantogele,T Moloi,S
4186		Rig new gearbox onto base	0.5 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:30	4185	O/H crane,G Moeseraela,K Gabantogel
4187		Couple gearbox to belt pulley	1 hr	Wed 10/05/23 08:30	Wed 10/05/23 09:30	4186	S Kalankane,D Keaketswe
4188		Tighten gearbox mounting bolts	1 hr	Wed 10/05/23 09:30	Wed 10/05/23 10:30	4187	S Kalankane,D Keaketswe
4189		Rig in motor base and tighten bolts	1 hr	Wed 10/05/23 10:30	Wed 10/05/23 11:30	4188	O/H crane,G Moeseraela,K Gabantogel
4190		Rig in motor	0.5 hrs	Wed 10/05/23 11:30	Wed 10/05/23 12:00	4189	O/H crane,G Moeseraela,K Gabantogel
4191		Couple gearbox to motor	1 hr	Wed 10/05/23 12:30	Wed 10/05/23 13:30	4190	S Kalankane,D Keaketswe
4192		Connect motor	0.5 hrs	Wed 10/05/23 12:30	Wed 10/05/23 13:00	4191SS	L Majoo,O Macheng
4193		Install shaft end and drive belts guards	0.5 hrs	Wed 10/05/23 13:00	Wed 10/05/23 13:30	4192	S Kalankane,D Keaketswe
4194		Housekeeping	0.25 hrs	Wed 10/05/23 13:30	Wed 10/05/23 13:45	4193	M Ramatlhakeng,S Monna,G Moeserae
4195		Clear permit	0.25 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:00	4194	M Ramatlhakeng,S Monna,G Moeserae
4196	**28C2GB01**	**# B BELT FILTER BLOWER - Inspect Bearings And Replace V Belts**	**10.25 hrs**	**Wed 10/05/23 14:00**	**Thu 11/05/23 13:45**	**4167**	
4197		Make out permit	0.25 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:15		Operations
4198		Accept permit	0.25 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:30	4197	S Kalankane,D Keaketswe
4199		Carry out risk assement	0.25 hrs	Wed 10/05/23 14:30	Wed 10/05/23 14:45	4198	S Kalankane,D Keaketswe
4200		Rig out motor	0.25 hrs	Wed 10/05/23 14:45	Wed 10/05/23 15:00	4199	S Kalankane,D Keaketswe
4201		Inspect v-belt & replace ifnecessary	0.25 hrs	Wed 10/05/23 15:00	Wed 10/05/23 15:15	4200	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4202		Open plummer box & clean grease	0.5 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:45	4201	S Kalankane,D Keaketswe
4203		Inspect bearings & replace if not in good condition	3 hrs	Wed 10/05/23 15:45	Thu 11/05/23 07:45	4202	S Kalankane,D Keaketswe
4204		Inspect seals & replace if necessary	0.5 hrs	Thu 11/05/23 07:45	Thu 11/05/23 08:15	4203	S Kalankane,D Keaketswe
4205		Locate bearing in plummer blocks	2 hrs	Thu 11/05/23 08:15	Thu 11/05/23 10:15	4204	S Kalankane,D Keaketswe
4206		Repack bearing with new grease	0.5 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:45	4205	S Kalankane,D Keaketswe
4207		Box up plummer block	0.5 hrs	Thu 11/05/23 10:45	Thu 11/05/23 11:15	4206	S Kalankane,D Keaketswe
4208		Couple blower with motor	1 hr	Thu 11/05/23 11:15	Thu 11/05/23 12:45	4207	S Kalankane,D Keaketswe
4209		Replace guard	0.5 hrs	Thu 11/05/23 12:45	Thu 11/05/23 13:15	4208	S Kalankane,D Keaketswe
4210		Housekeeping	0.25 hrs	Thu 11/05/23 13:15	Thu 11/05/23 13:30	4209	S Kalankane,D Keaketswe
4211		Clear permit	0.25 hrs	Thu 11/05/23 13:30	Thu 11/05/23 13:45	4210	S Kalankane,D Keaketswe
4212	**28C2RE02**	**BICARBATE BELT CONVEYOR - Replace Conveyor**	**22.25 hrs**	**Thu 11/05/23 13:45**	**Sat 13/05/23 15:00**	**4196**	
4213		Make out permit	0.25 hrs	Thu 11/05/23 13:45	Thu 11/05/23 14:00		Operations
4214		Accept permit	0.25 hrs	Thu 11/05/23 14:00	Thu 11/05/23 14:15	4213	S Kalankane,D Keaketswe
4215		Carry out risk assesment	0.25 hrs	Thu 11/05/23 14:15	Thu 11/05/23 14:30	4214	S Kalankane,D Keaketswe
4216		Run the conveyor and mark all defective rollers	0.5 hrs	Thu 11/05/23 14:30	Thu 11/05/23 15:00	4215	Operations
4217		Stop and isolate the covenyor	0.25 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:15	4216	Operations
4218		Slack the conveyor	0.5 hrs	Thu 11/05/23 15:15	Thu 11/05/23 15:45	4217	S Kalankane,D Keaketswe
4219		Remove guards on the drop out chutes	0.5 hrs	Thu 11/05/23 15:45	Thu 11/05/23 16:15	4218	S Kalankane,D Keaketswe
4220		Cut and join old belt to the new one	0.5 hrs	Thu 11/05/23 16:15	Thu 11/05/23 16:45	4219	S Kalankane,D Keaketswe
4221		Remove scrapers	0.5 hrs	Thu 11/05/23 16:45	Thu 11/05/23 17:15	4220	S Kalankane,D Keaketswe
4222		Pull out the old belt until the correct size of the new belt has been installed	1 hr	Thu 11/05/23 17:15	Fri 12/05/23 07:15	4221	G Moeseraela,T Moloi,K Gabantogele
4223		Looesen the impact bed and rig out	2 hrs	Fri 12/05/23 07:15	Fri 12/05/23 09:15	4222	G Moeseraela,T Moloi,K Gabantogele,S
4224		Rig in the new impact bed	2 hrs	Fri 12/05/23 09:15	Fri 12/05/23 11:15	4223	G Moeseraela,T Moloi,K Gabantogele
4225		Replace all defective idlers including self tracking rollers	1.5 hrs	Fri 12/05/23 11:15	Fri 12/05/23 13:15	4224	S Kalankane,D Keaketswe
4226		Remove troughing idler frame to accommodate splicing machine	0.5 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:45	4225	S Kalankane,D Keaketswe
4227		Perform Hot splicing	3 hrs	Fri 12/05/23 13:45	Fri 12/05/23 16:45	4226	Splicing Crew
4228		Inspect bearings and repack with new grease or replace if necessary	2 hrs	Fri 12/05/23 16:45	Sat 13/05/23 07:45	4227	S Kalankane,D Keaketswe
4229		Remove v belt guards	0.25 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:00	4228	S Kalankane,D Keaketswe
4230		Replace V belts,then tension and confirm alignment	0.5 hrs	Sat 13/05/23 08:00	Sat 13/05/23 08:30	4229	S Kalankane,D Keaketswe
4231		Replace guard	0.25 hrs	Sat 13/05/23 08:30	Sat 13/05/23 08:45	4230	S Kalankane,D Keaketswe
4232		Remove the splicing machine after completion	0.5 hrs	Sat 13/05/23 08:45	Sat 13/05/23 09:15	4231	Splicing Crew
4233		Replace the troughing idler frame and secure	0.5 hrs	Sat 13/05/23 09:15	Sat 13/05/23 09:45	4232	S Kalankane,D Keaketswe
4234		Tension the conveyor	0.5 hrs	Sat 13/05/23 09:45	Sat 13/05/23 10:15	4233	S Kalankane,D Keaketswe
4235		Install new scrapers and adjust accordingly	1 hr	Sat 13/05/23 10:15	Sat 13/05/23 11:15	4234	S Kalankane,D Keaketswe
4236		Replace skirtings and adjust accordingly	1 hr	Sat 13/05/23 11:15	Sat 13/05/23 12:45	4235	S Kalankane,D Keaketswe
4237		Carry out housekeeping	0.25 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:00	4236	S Kalankane,D Keaketswe
4238		Sign off the permit and obtain test run permit	0.25 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:15	4237	Operations
4239		Run the conveyor and track it	1 hr	Sat 13/05/23 13:15	Sat 13/05/23 14:15	4238	S Kalankane,D Keaketswe
4240		Isolate and replace guards	0.5 hrs	Sat 13/05/23 14:15	Sat 13/05/23 14:45	4239	Operations
4241		Clear permit	0.25 hrs	Sat 13/05/23 14:45	Sat 13/05/23 15:00	4240	S Kalankane,D Keaketswe
4242	**28C2GA01A**	**# B1 PRIMARY FILTRATE PUMP - Overhaul Pump**	**23 hrs**	**Wed 10/05/23 14:00**	**Fri 12/05/23 16:00**	**4167**	
4243		Make Out Permit	0.25 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:15		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4244		Accept Permit	0.25 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:30	4243	S Kalankane,D Keaketswe
4245		Carry Out Risk Assesment	0.25 hrs	Wed 10/05/23 14:30	Wed 10/05/23 14:45	4244	S Kalankane,D Keaketswe
4246		Close Gland Service Water Valve And Disconnect Pipe	0.25 hrs	Wed 10/05/23 14:45	Wed 10/05/23 15:00	4245	S Kalankane,D Keaketswe
4247		Remove Pulley Guard	0.25 hrs	Wed 10/05/23 15:00	Wed 10/05/23 15:15	4246	S Kalankane,D Keaketswe
4248		Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:30	4247	S Kalankane,D Keaketswe
4249		Remove V Belts And Inspect Them	0.5 hrs	Wed 10/05/23 15:30	Wed 10/05/23 16:00	4248	S Kalankane,D Keaketswe
4250		Undo The Bottom Nut For The Adjusting Studs	0.25 hrs	Wed 10/05/23 16:00	Wed 10/05/23 16:15	4249	S Kalankane,D Keaketswe
4251		Lift The Motor And Its Base To Separate It From The Pump	1 hr	Wed 10/05/23 16:15	Wed 10/05/23 17:15	4250	S Kalankane,D Keaketswe
4252		Place It On The Ground	0.5 hrs	Wed 10/05/23 17:15	Wed 10/05/23 17:45	4251	S Kalankane,D Keaketswe
4253		Support The Pump Before Loosening The Mounting Bolts	0.25 hrs	Wed 10/05/23 17:45	Wed 10/05/23 18:00	4252	S Kalankane,D Keaketswe
4254		Loosen And Remove All The Pump Mounting Bolts	0.5 hrs	Thu 11/05/23 07:00	Thu 11/05/23 07:30	4253	S Kalankane,D Keaketswe
4255		Rig Out The Pump And Transport To The Workshop	1 hr	Thu 11/05/23 07:30	Thu 11/05/23 08:30	4254	G Moeseraela,T Moloi,K Gabantogele,S
4256		Prepare Or Clean The Work Bench For Overhauling	0.25 hrs	Thu 11/05/23 08:30	Thu 11/05/23 08:45	4255	S Kalankane,D Keaketswe
4257		Place The Pump On The Work Bench	0.25 hrs	Thu 11/05/23 08:45	Thu 11/05/23 09:00	4256	S Kalankane,D Keaketswe
4258		Loosen Impeller Locknut	1 hr	Thu 11/05/23 09:00	Thu 11/05/23 10:00	4257	S Kalankane,D Keaketswe
4259		Remove The Impeller	1 hr	Thu 11/05/23 10:00	Thu 11/05/23 11:00	4258	S Kalankane,D Keaketswe
4260		Loosen The Gland Follwer	1 hr	Thu 11/05/23 11:00	Thu 11/05/23 12:00	4259	S Kalankane,D Keaketswe
4261		Separate The Volute And The Bearing Housing	1 hr	Thu 11/05/23 12:30	Thu 11/05/23 13:30	4260	S Kalankane,D Keaketswe
4262		Remove O Ring And Sleeve From The Shaft Respectively	1 hr	Thu 11/05/23 13:30	Thu 11/05/23 14:30	4261	S Kalankane,D Keaketswe
4263		Loosen And Remove The End Cover For The Bearing Housing	1 hr	Thu 11/05/23 14:30	Thu 11/05/23 15:30	4262	S Kalankane,D Keaketswe
4264		Pry Out The Seals From The Covers,Clean,Inspect And Replace With New Ones	1 hr	Thu 11/05/23 15:30	Thu 11/05/23 16:30	4263	S Kalankane,D Keaketswe
4265		Press Ou The Bearing Assembly From The Housing	0.5 hrs	Thu 11/05/23 16:30	Thu 11/05/23 17:00	4264	S Kalankane,D Keaketswe
4266		Press Out The Bearings From The Shaft	0.5 hrs	Thu 11/05/23 17:00	Thu 11/05/23 17:30	4265	S Kalankane,D Keaketswe
4267		Clean Shaft,Inspect And Repair Where Necessary	0.5 hrs	Thu 11/05/23 17:30	Thu 11/05/23 18:00	4266	S Kalankane,D Keaketswe
4268		Install Bearings On The Shaft Using Applicable Method,Eg Arbor Press,Bearing Heater Etc	0.5 hrs	Fri 12/05/23 07:00	Fri 12/05/23 07:30	4267	S Kalankane,D Keaketswe
4269		Install Bearing Assembly In The Housing Using The Correct Method	0.5 hrs	Fri 12/05/23 07:30	Fri 12/05/23 08:00	4268	S Kalankane,D Keaketswe
4270		Set The Clearances To Specifications	0.5 hrs	Fri 12/05/23 08:00	Fri 12/05/23 08:30	4269	S Kalankane,D Keaketswe
4271		Close The Bearing Housing	0.5 hrs	Fri 12/05/23 08:30	Fri 12/05/23 09:00	4270	S Kalankane,D Keaketswe
4272		Insert The Oring Followed By The Sleeve And Lock In Position	0.5 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:30	4271	S Kalankane,D Keaketswe
4273		Repack Gland Using 6Mm Packing	0.5 hrs	Fri 12/05/23 09:30	Fri 12/05/23 10:00	4272	S Kalankane,D Keaketswe
4274		Attach The Volute To The Bearing Housing	0.5 hrs	Fri 12/05/23 10:00	Fri 12/05/23 10:30	4273	S Kalankane,D Keaketswe
4275		Install The Impeller And Lock In Position	0.5 hrs	Fri 12/05/23 10:30	Fri 12/05/23 11:00	4274	S Kalankane,D Keaketswe
4276		Transport Pump To The Site	0.5 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:30	4275	S Kalankane,D Keaketswe
4277		Rig In Position And Secure	1 hr	Fri 12/05/23 11:30	Fri 12/05/23 13:00	4276	G Moeseraela,T Moloi,K Gabantogele,S
4278		Rig In Motor And Its Base	0.5 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:30	4277	G Moeseraela,T Moloi,K Gabantogele,S
4279		Align The Motor And Pump Pulley	1 hr	Fri 12/05/23 13:30	Fri 12/05/23 14:30	4278	S Kalankane,D Keaketswe
4280		Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Fri 12/05/23 14:30	Fri 12/05/23 15:00	4279	S Kalankane,D Keaketswe
4281		Replace Guards And Secure	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	4280	S Kalankane,D Keaketswe
4282		Carry Out House Keeping	0.25 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:30	4281	S Kalankane,D Keaketswe
4283		Sign Off Permit	0.25 hrs	Fri 12/05/23 15:30	Fri 12/05/23 15:45	4282	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4284		Clear Permit	0.25 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:00	4283	S Kalankane,D Keaketswe
4285	**28C2GA01B**	**# B2 PRIMARY FILTRATE PUMP - Overhaul Pump**	**23 hrs**	**Fri 12/05/23 16:00**	**Sun 14/05/23 18:00**	**4242**	
4286		Make Out Permit	0.25 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:15		Operations
4287		Accept Permit	0.25 hrs	Fri 12/05/23 16:15	Fri 12/05/23 16:30	4286	S Kalankane,D Keaketswe
4288		Carry Out Risk Assesment	0.25 hrs	Fri 12/05/23 16:30	Fri 12/05/23 16:45	4287	S Kalankane,D Keaketswe
4289		Close Gland Service Water Valve And Disconnect Pipe	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	4288	S Kalankane,D Keaketswe
4290		Remove Pulley Guard	0.25 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:15	4289	S Kalankane,D Keaketswe
4291		Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Fri 12/05/23 17:15	Fri 12/05/23 17:30	4290	S Kalankane,D Keaketswe
4292		Remove V Belts And Inspect Them	0.5 hrs	Fri 12/05/23 17:30	Fri 12/05/23 18:00	4291	S Kalankane,D Keaketswe
4293		Undo The Bottom Nut For The Adjusting Studs	0.25 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:15	4292	S Kalankane,D Keaketswe
4294		Lift The Motor And Its Base To Separate It From The Pump	1 hr	Sat 13/05/23 07:15	Sat 13/05/23 08:15	4293	S Kalankane,D Keaketswe
4295		Place It On The Ground	0.5 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:45	4294	S Kalankane,D Keaketswe
4296		Support The Pump Before Loosening The Mounting Bolts	0.25 hrs	Sat 13/05/23 08:45	Sat 13/05/23 09:00	4295	S Kalankane,D Keaketswe
4297		Loosen And Remove All The Pump Mounting Bolts	0.5 hrs	Sat 13/05/23 09:00	Sat 13/05/23 09:30	4296	S Kalankane,D Keaketswe
4298		Rig Out The Pump And Transport To The Workshop	1 hr	Sat 13/05/23 09:30	Sat 13/05/23 10:30	4297	G Moeseraela,T Moloi,K Gabantogele,S
4299		Prepare Or Clean The Work Bench For Overhauling	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	4298	S Kalankane,D Keaketswe
4300		Place The Pump On The Work Bench	0.25 hrs	Sat 13/05/23 10:45	Sat 13/05/23 11:00	4299	S Kalankane,D Keaketswe
4301		Loosen Impeller Locknut	1 hr	Sat 13/05/23 11:00	Sat 13/05/23 12:00	4300	S Kalankane,D Keaketswe
4302		Remove The Impeller	1 hr	Sat 13/05/23 12:30	Sat 13/05/23 13:30	4301	S Kalankane,D Keaketswe
4303		Loosen The Gland Follwer	1 hr	Sat 13/05/23 13:30	Sat 13/05/23 14:30	4302	S Kalankane,D Keaketswe
4304		Separate The Volute And The Bearing Housing	1 hr	Sat 13/05/23 14:30	Sat 13/05/23 15:30	4303	S Kalankane,D Keaketswe
4305		Remove O Ring And Sleeve From The Shaft Respectively	1 hr	Sat 13/05/23 15:30	Sat 13/05/23 16:30	4304	S Kalankane,D Keaketswe
4306		Loosen And Remove The End Cover For The Bearing Housing	1 hr	Sat 13/05/23 16:30	Sat 13/05/23 17:30	4305	S Kalankane,D Keaketswe
4307		Pry Out The Seals From The Covers,Clean,Inspect And Replace With New Ones	1 hr	Sat 13/05/23 17:30	Sun 14/05/23 07:30	4306	S Kalankane,D Keaketswe
4308		Press Ou The Bearing Assembly From The Housing	0.5 hrs	Sun 14/05/23 07:30	Sun 14/05/23 08:00	4307	S Kalankane,D Keaketswe
4309		Press Out The Bearings From The Shaft	0.5 hrs	Sun 14/05/23 08:00	Sun 14/05/23 08:30	4308	S Kalankane,D Keaketswe
4310		Clean Shaft,Inspect And Repair Where Necessary	0.5 hrs	Sun 14/05/23 08:30	Sun 14/05/23 09:00	4309	S Kalankane,D Keaketswe
4311		Install Bearings On The Shaft Using Applicable Method,Eg Arbor Press,Bearing Heater Etc	0.5 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:30	4310	S Kalankane,D Keaketswe
4312		Install Bearing Assembly In The Housing Using The Correct Method	0.5 hrs	Sun 14/05/23 09:30	Sun 14/05/23 10:00	4311	S Kalankane,D Keaketswe
4313		Set The Clearances To Specifications	0.5 hrs	Sun 14/05/23 10:00	Sun 14/05/23 10:30	4312	S Kalankane,D Keaketswe
4314		Close The Bearing Housing	0.5 hrs	Sun 14/05/23 10:30	Sun 14/05/23 11:00	4313	S Kalankane,D Keaketswe
4315		Insert The Oring Followed By The Sleeve And Lock In Position	0.5 hrs	Sun 14/05/23 11:00	Sun 14/05/23 11:30	4314	S Kalankane,D Keaketswe
4316		Repack Gland Using 6Mm Packing	0.5 hrs	Sun 14/05/23 11:30	Sun 14/05/23 12:00	4315	S Kalankane,D Keaketswe
4317		Attach The Volute To The Bearing Housing	0.5 hrs	Sun 14/05/23 12:30	Sun 14/05/23 13:00	4316	S Kalankane,D Keaketswe
4318		Install The Impeller And Lock In Position	0.5 hrs	Sun 14/05/23 13:00	Sun 14/05/23 13:30	4317	S Kalankane,D Keaketswe
4319		Transport Pump To The Site	0.5 hrs	Sun 14/05/23 13:30	Sun 14/05/23 14:00	4318	S Kalankane,D Keaketswe
4320		Rig In Position And Secure	1 hr	Sun 14/05/23 14:00	Sun 14/05/23 15:00	4319	G Moeseraela,T Moloi,K Gabantogele,S
4321		Rig In Motor And Its Base	0.5 hrs	Sun 14/05/23 15:00	Sun 14/05/23 15:30	4320	G Moeseraela,T Moloi,K Gabantogele,S
4322		Align The Motor And Pump Pulley	1 hr	Sun 14/05/23 15:30	Sun 14/05/23 16:30	4321	S Kalankane,D Keaketswe
4323		Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Sun 14/05/23 16:30	Sun 14/05/23 17:00	4322	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4324		Replace Guards And Secure	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	4323	S Kalankane,D Keaketswe
4325		Carry Out House Keeping	0.25 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:30	4324	S Kalankane,D Keaketswe
4326		Sign Off Permit	0.25 hrs	Sun 14/05/23 17:30	Sun 14/05/23 17:45	4325	S Kalankane,D Keaketswe
4327		Clear Permit	0.25 hrs	Sun 14/05/23 17:45	Sun 14/05/23 18:00	4326	S Kalankane,D Keaketswe
4328	**28C2GA02**	**# B 2ND STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.25 hrs**	**Sun 14/05/23 18:00**	**Mon 15/05/23 11:15**	**4285**	
4329		Make out permit	0.25 hrs	Sun 14/05/23 18:00	Sun 14/05/23 18:15		Operations
4330		Accept permit	0.25 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:15	4329	S Kalankane,D Keaketswe
4331		Carry out risk assement	0.25 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:30	4330	S Kalankane,D Keaketswe
4332		Loosen & remove all securing bolts	1 hr	Mon 15/05/23 07:30	Mon 15/05/23 08:30	4331	S Kalankane,D Keaketswe
4333		Remove old valve	0.5 hrs	Mon 15/05/23 08:30	Mon 15/05/23 09:00	4332	G Moeseraela,T Moloi,K Gabantogele,S
4334		Install new valve	1 hr	Mon 15/05/23 09:00	Mon 15/05/23 10:00	4333	G Moeseraela,T Moloi,K Gabantogele,S
4335		Replace all bolts	0.25 hrs	Mon 15/05/23 10:00	Mon 15/05/23 10:15	4334	S Kalankane,D Keaketswe
4336		Tighten all bolts in correct sequence	0.5 hrs	Mon 15/05/23 10:15	Mon 15/05/23 10:45	4335	S Kalankane,D Keaketswe
4337		Housekeeping	0.25 hrs	Mon 15/05/23 10:45	Mon 15/05/23 11:00	4336	S Kalankane,D Keaketswe
4338		Clear permit	0.25 hrs	Mon 15/05/23 11:00	Mon 15/05/23 11:15	4337	S Kalankane,D Keaketswe
4339	**28C2GA02**	**# B 2ND STAGE FILTRATE PUMP - Overhaul Pump**	**23 hrs**	**Mon 15/05/23 11:15**	**Wed 17/05/23 13:45**	**4328**	
4340		Make Out Permit	0.25 hrs	Mon 15/05/23 11:15	Mon 15/05/23 11:30		Operations
4341		Accept Permit	0.25 hrs	Mon 15/05/23 11:30	Mon 15/05/23 11:45	4340	S Kalankane,D Keaketswe
4342		Carry Out Risk Assesment	0.25 hrs	Mon 15/05/23 11:45	Mon 15/05/23 12:00	4341	S Kalankane,D Keaketswe
4343		Close Gland Service Water Valve And Disconnect Pipe	0.25 hrs	Mon 15/05/23 12:30	Mon 15/05/23 12:45	4342	S Kalankane,D Keaketswe
4344		Remove Pulley Guard	0.25 hrs	Mon 15/05/23 12:45	Mon 15/05/23 13:00	4343	S Kalankane,D Keaketswe
4345		Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Mon 15/05/23 13:00	Mon 15/05/23 13:15	4344	S Kalankane,D Keaketswe
4346		Remove V Belts And Inspect Them	0.5 hrs	Mon 15/05/23 13:15	Mon 15/05/23 13:45	4345	S Kalankane,D Keaketswe
4347		Undo The Bottom Nut For The Adjusting Studs	0.25 hrs	Mon 15/05/23 13:45	Mon 15/05/23 14:00	4346	S Kalankane,D Keaketswe
4348		Lift The Motor And Its Base To Separate It From The Pump	1 hr	Mon 15/05/23 14:00	Mon 15/05/23 15:00	4347	S Kalankane,D Keaketswe
4349		Place It On The Ground	0.5 hrs	Mon 15/05/23 15:00	Mon 15/05/23 15:30	4348	S Kalankane,D Keaketswe
4350		Support The Pump Before Loosening The Mounting Bolts	0.25 hrs	Mon 15/05/23 15:30	Mon 15/05/23 15:45	4349	S Kalankane,D Keaketswe
4351		Loosen And Remove All The Pump Mounting Bolts	0.5 hrs	Mon 15/05/23 15:45	Mon 15/05/23 16:15	4350	S Kalankane,D Keaketswe
4352		Rig Out The Pump And Transport To The Workshop	1 hr	Mon 15/05/23 16:15	Mon 15/05/23 17:15	4351	G Moeseraela,T Moloi,K Gabantogele,S
4353		Prepare Or Clean The Work Bench For Overhauling	0.25 hrs	Mon 15/05/23 17:15	Mon 15/05/23 17:30	4352	S Kalankane,D Keaketswe
4354		Place The Pump On The Work Bench	0.25 hrs	Mon 15/05/23 17:30	Mon 15/05/23 17:45	4353	S Kalankane,D Keaketswe
4355		Loosen Impeller Locknut	1 hr	Mon 15/05/23 17:45	Tue 16/05/23 07:45	4354	S Kalankane,D Keaketswe
4356		Remove The Impeller	1 hr	Tue 16/05/23 07:45	Tue 16/05/23 08:45	4355	S Kalankane,D Keaketswe
4357		Loosen The Gland Follwer	1 hr	Tue 16/05/23 08:45	Tue 16/05/23 09:45	4356	S Kalankane,D Keaketswe
4358		Separate The Volute And The Bearing Housing	1 hr	Tue 16/05/23 09:45	Tue 16/05/23 10:45	4357	S Kalankane,D Keaketswe
4359		Remove O Ring And Sleeve From The Shaft Respectively	1 hr	Tue 16/05/23 10:45	Tue 16/05/23 11:45	4358	S Kalankane,D Keaketswe
4360		Loosen And Remove The End Cover For The Bearing Housing	1 hr	Tue 16/05/23 11:45	Tue 16/05/23 13:15	4359	S Kalankane,D Keaketswe
4361		Pry Out The Seals From The Covers,Clean,Inspect And Replace With New Ones	1 hr	Tue 16/05/23 13:15	Tue 16/05/23 14:15	4360	S Kalankane,D Keaketswe
4362		Press Ou The Bearing Assembly From The Housing	0.5 hrs	Tue 16/05/23 14:15	Tue 16/05/23 14:45	4361	S Kalankane,D Keaketswe
4363		Press Out The Bearings From The Shaft	0.5 hrs	Tue 16/05/23 14:45	Tue 16/05/23 15:15	4362	S Kalankane,D Keaketswe
4364		Clean Shaft,Inspect And Repair Where Necessary	0.5 hrs	Tue 16/05/23 15:15	Tue 16/05/23 15:45	4363	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4365		Install Bearings On The Shaft Using Applicable Method,Eg Arbor Press,Bearing Heater Etc	0.5 hrs	Tue 16/05/23 15:45	Tue 16/05/23 16:15	4364	S Kalankane,D Keaketswe
4366		Install Bearing Assembly In The Housing Using The Correct Method	0.5 hrs	Tue 16/05/23 16:15	Tue 16/05/23 16:45	4365	S Kalankane,D Keaketswe
4367		Set The Clearances To Specifications	0.5 hrs	Tue 16/05/23 16:45	Tue 16/05/23 17:15	4366	S Kalankane,D Keaketswe
4368		Close The Bearing Housing	0.5 hrs	Tue 16/05/23 17:15	Tue 16/05/23 17:45	4367	S Kalankane,D Keaketswe
4369		Insert The Oring Followed By The Sleeve And Lock In Position	0.5 hrs	Tue 16/05/23 17:45	Wed 17/05/23 07:15	4368	S Kalankane,D Keaketswe
4370		Repack Gland Using 6Mm Packing	0.5 hrs	Wed 17/05/23 07:15	Wed 17/05/23 07:45	4369	S Kalankane,D Keaketswe
4371		Attach The Volute To The Bearing Housing	0.5 hrs	Wed 17/05/23 07:45	Wed 17/05/23 08:15	4370	S Kalankane,D Keaketswe
4372		Install The Impeller And Lock In Position	0.5 hrs	Wed 17/05/23 08:15	Wed 17/05/23 08:45	4371	S Kalankane,D Keaketswe
4373		Transport Pump To The Site	0.5 hrs	Wed 17/05/23 08:45	Wed 17/05/23 09:15	4372	S Kalankane,D Keaketswe
4374		Rig In Position And Secure	1 hr	Wed 17/05/23 09:15	Wed 17/05/23 10:15	4373	G Moeseraela,T Moloi,K Gabantogele,S
4375		Rig In Motor And Its Base	0.5 hrs	Wed 17/05/23 10:15	Wed 17/05/23 10:45	4374	G Moeseraela,T Moloi,K Gabantogele,S
4376		Align The Motor And Pump Pulley	1 hr	Wed 17/05/23 10:45	Wed 17/05/23 11:45	4375	S Kalankane,D Keaketswe
4377		Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Wed 17/05/23 11:45	Wed 17/05/23 12:45	4376	S Kalankane,D Keaketswe
4378		Replace Guards And Secure	0.25 hrs	Wed 17/05/23 12:45	Wed 17/05/23 13:00	4377	S Kalankane,D Keaketswe
4379		Carry Out House Keeping	0.25 hrs	Wed 17/05/23 13:00	Wed 17/05/23 13:15	4378	S Kalankane,D Keaketswe
4380		Sign Off Permit	0.25 hrs	Wed 17/05/23 13:15	Wed 17/05/23 13:30	4379	S Kalankane,D Keaketswe
4381		Clear Permit	0.25 hrs	Wed 17/05/23 13:30	Wed 17/05/23 13:45	4380	S Kalankane,D Keaketswe
4382	**28C2GA03**	**# B 3RD STAGE FILTRATE PUMP - Overhaul Pump**	**23 hrs**	**Wed 17/05/23 13:45**	**Fri 19/05/23 15:45**	**4339**	
4383		Make Out Permit	0.25 hrs	Wed 17/05/23 13:45	Wed 17/05/23 14:00		Operations
4384		Accept Permit	0.25 hrs	Wed 17/05/23 14:00	Wed 17/05/23 14:15	4383	S Kalankane,D Keaketswe
4385		Carry Out Risk Assesment	0.25 hrs	Wed 17/05/23 14:15	Wed 17/05/23 14:30	4384	S Kalankane,D Keaketswe
4386		Close Gland Service Water Valve And Disconnect Pipe	0.25 hrs	Wed 17/05/23 14:30	Wed 17/05/23 14:45	4385	S Kalankane,D Keaketswe
4387		Remove Pulley Guard	0.25 hrs	Wed 17/05/23 14:45	Wed 17/05/23 15:00	4386	S Kalankane,D Keaketswe
4388		Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Wed 17/05/23 15:00	Wed 17/05/23 15:15	4387	S Kalankane,D Keaketswe
4389		Remove V Belts And Inspect Them	0.5 hrs	Wed 17/05/23 15:15	Wed 17/05/23 15:45	4388	S Kalankane,D Keaketswe
4390		Undo The Bottom Nut For The Adjusting Studs	0.25 hrs	Wed 17/05/23 15:45	Wed 17/05/23 16:00	4389	S Kalankane,D Keaketswe
4391		Lift The Motor And Its Base To Separate It From The Pump	1 hr	Wed 17/05/23 16:00	Wed 17/05/23 17:00	4390	S Kalankane,D Keaketswe
4392		Place It On The Ground	0.5 hrs	Wed 17/05/23 17:00	Wed 17/05/23 17:30	4391	S Kalankane,D Keaketswe
4393		Support The Pump Before Loosening The Mounting Bolts	0.25 hrs	Wed 17/05/23 17:30	Wed 17/05/23 17:45	4392	S Kalankane,D Keaketswe
4394		Loosen And Remove All The Pump Mounting Bolts	0.5 hrs	Wed 17/05/23 17:45	Thu 18/05/23 07:15	4393	S Kalankane,D Keaketswe
4395		Rig Out The Pump And Transport To The Workshop	1 hr	Thu 18/05/23 07:15	Thu 18/05/23 08:15	4394	G Moeseraela,T Moloi,K Gabantogele,S
4396		Prepare Or Clean The Work Bench For Overhauling	0.25 hrs	Thu 18/05/23 08:15	Thu 18/05/23 08:30	4395	S Kalankane,D Keaketswe
4397		Place The Pump On The Work Bench	0.25 hrs	Thu 18/05/23 08:30	Thu 18/05/23 08:45	4396	S Kalankane,D Keaketswe
4398		Loosen Impeller Locknut	1 hr	Thu 18/05/23 08:45	Thu 18/05/23 09:45	4397	S Kalankane,D Keaketswe
4399		Remove The Impeller	1 hr	Thu 18/05/23 09:45	Thu 18/05/23 10:45	4398	S Kalankane,D Keaketswe
4400		Loosen The Gland Follwer	1 hr	Thu 18/05/23 10:45	Thu 18/05/23 11:45	4399	S Kalankane,D Keaketswe
4401		Separate The Volute And The Bearing Housing	1 hr	Thu 18/05/23 11:45	Thu 18/05/23 13:15	4400	S Kalankane,D Keaketswe
4402		Remove O Ring And Sleeve From The Shaft Respectively	1 hr	Thu 18/05/23 13:15	Thu 18/05/23 14:15	4401	S Kalankane,D Keaketswe
4403		Loosen And Remove The End Cover For The Bearing Housing	1 hr	Thu 18/05/23 14:15	Thu 18/05/23 15:15	4402	S Kalankane,D Keaketswe
4404		Pry Out The Seals From The Covers,Clean,Inspect And Replace With New Ones	1 hr	Thu 18/05/23 15:15	Thu 18/05/23 16:15	4403	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4405		Press Out The Bearing Assembly From The Housing	0.5 hrs	Thu 18/05/23 16:15	Thu 18/05/23 16:45	4404	S Kalankane,D Keaketswe
4406		Press Out The Bearings From The Shaft	0.5 hrs	Thu 18/05/23 16:45	Thu 18/05/23 17:15	4405	S Kalankane,D Keaketswe
4407		Clean Shaft,Inspect And Repair Where Necessary	0.5 hrs	Thu 18/05/23 17:15	Thu 18/05/23 17:45	4406	S Kalankane,D Keaketswe
4408		Install Bearings On The Shaft Using Applicable Method,Eg Arbor Press,Bearing Heater Etc	0.5 hrs	Thu 18/05/23 17:45	Fri 19/05/23 07:15	4407	S Kalankane,D Keaketswe
4409		Install Bearing Assembly In The Housing Using The Correct Method	0.5 hrs	Fri 19/05/23 07:15	Fri 19/05/23 07:45	4408	S Kalankane,D Keaketswe
4410		Set The Clearances To Specifications	0.5 hrs	Fri 19/05/23 07:45	Fri 19/05/23 08:15	4409	S Kalankane,D Keaketswe
4411		Close The Bearing Housing	0.5 hrs	Fri 19/05/23 08:15	Fri 19/05/23 08:45	4410	S Kalankane,D Keaketswe
4412		Insert The Oring Followed By The Sleeve And Lock In Position	0.5 hrs	Fri 19/05/23 08:45	Fri 19/05/23 09:15	4411	S Kalankane,D Keaketswe
4413		Repack Gland Using 6Mm Packing	0.5 hrs	Fri 19/05/23 09:15	Fri 19/05/23 09:45	4412	S Kalankane,D Keaketswe
4414		Attach The Volute To The Bearing Housing	0.5 hrs	Fri 19/05/23 09:45	Fri 19/05/23 10:15	4413	S Kalankane,D Keaketswe
4415		Install The Impeller And Lock In Position	0.5 hrs	Fri 19/05/23 10:15	Fri 19/05/23 10:45	4414	S Kalankane,D Keaketswe
4416		Transport Pump To The Site	0.5 hrs	Fri 19/05/23 10:45	Fri 19/05/23 11:15	4415	S Kalankane,D Keaketswe
4417		Rig In Position And Secure	1 hr	Fri 19/05/23 11:15	Fri 19/05/23 12:45	4416	G Moeseraela,T Moloi,K Gabantogele,S
4418		Rig In Motor And Its Base	0.5 hrs	Fri 19/05/23 12:45	Fri 19/05/23 13:15	4417	G Moeseraela,T Moloi,K Gabantogele,S
4419		Align The Motor And Pump Pulley	1 hr	Fri 19/05/23 13:15	Fri 19/05/23 14:15	4418	S Kalankane,D Keaketswe
4420		Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Fri 19/05/23 14:15	Fri 19/05/23 14:45	4419	S Kalankane,D Keaketswe
4421		Replace Guards And Secure	0.25 hrs	Fri 19/05/23 14:45	Fri 19/05/23 15:00	4420	S Kalankane,D Keaketswe
4422		Carry Out House Keeping	0.25 hrs	Fri 19/05/23 15:00	Fri 19/05/23 15:15	4421	S Kalankane,D Keaketswe
4423		Sign Off Permit	0.25 hrs	Fri 19/05/23 15:15	Fri 19/05/23 15:30	4422	S Kalankane,D Keaketswe
4424		Clear Permit	0.25 hrs	Fri 19/05/23 15:30	Fri 19/05/23 15:45	4423	S Kalankane,D Keaketswe
4425	**28C2GA03**	**# B 3RD STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Fri 19/05/23 15:45**	**Sat 20/05/23 09:15**	**4382**	
4426		Make out permit	0.25 hrs	Fri 19/05/23 15:45	Fri 19/05/23 16:00		Operations
4427		Accept permit	0.25 hrs	Fri 19/05/23 16:00	Fri 19/05/23 16:15	4426	S Kalankane,D Keaketswe
4428		Carry out risk assement	0.25 hrs	Fri 19/05/23 16:15	Fri 19/05/23 16:30	4427	S Kalankane,D Keaketswe
4429		Loosen & remove all securing bolts	1 hr	Fri 19/05/23 16:30	Fri 19/05/23 17:30	4428	S Kalankane,D Keaketswe
4430		Remove old valve	0.5 hrs	Fri 19/05/23 17:30	Fri 19/05/23 18:00	4429	G Moeseraela,T Moloi,K Gabantogele,S
4431		Install new valve	1 hr	Sat 20/05/23 07:00	Sat 20/05/23 08:00	4430	G Moeseraela,T Moloi,K Gabantogele,S
4432		Replace all bolts	0.25 hrs	Sat 20/05/23 08:00	Sat 20/05/23 08:15	4431	S Kalankane,D Keaketswe
4433		Tighten all bolts in correct sequence	0.5 hrs	Sat 20/05/23 08:15	Sat 20/05/23 08:45	4432	S Kalankane,D Keaketswe
4434		Housekeeping	0.25 hrs	Sat 20/05/23 08:45	Sat 20/05/23 09:00	4433	S Kalankane,D Keaketswe
4435		Clear permit	0.25 hrs	Sat 20/05/23 09:00	Sat 20/05/23 09:15	4434	S Kalankane,D Keaketswe
4436	**28C2GA04**	**# B 4TH STAGE FILTRATE PUMP - Overhaul Pump**	**23 hrs**	**Sat 20/05/23 09:15**	**Mon 22/05/23 11:15**	**4425**	
4437		Make Out Permit	0.25 hrs	Sat 20/05/23 09:15	Sat 20/05/23 09:30		S Kalankane,D Keaketswe
4438		Accept Permit	0.25 hrs	Sat 20/05/23 09:30	Sat 20/05/23 09:45	4437	S Kalankane,D Keaketswe
4439		Carry Out Risk Assesment	0.25 hrs	Sat 20/05/23 09:45	Sat 20/05/23 10:00	4438	S Kalankane,D Keaketswe
4440		Close Gland Service Water Valve And Disconnect Pipe	0.25 hrs	Sat 20/05/23 10:00	Sat 20/05/23 10:15	4439	S Kalankane,D Keaketswe
4441		Remove Pulley Guard	0.25 hrs	Sat 20/05/23 10:15	Sat 20/05/23 10:30	4440	S Kalankane,D Keaketswe
4442		Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Sat 20/05/23 10:30	Sat 20/05/23 10:45	4441	S Kalankane,D Keaketswe
4443		Remove V Belts And Inspect Them	0.5 hrs	Sat 20/05/23 10:45	Sat 20/05/23 11:15	4442	S Kalankane,D Keaketswe
4444		Undo The Bottom Nut For The Adjusting Studs	0.25 hrs	Sat 20/05/23 11:15	Sat 20/05/23 11:30	4443	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4445		Lift The Motor And Its Base To Separate It From The Pump	1 hr	Sat 20/05/23 11:30	Sat 20/05/23 13:00	4444	S Kalankane,D Keaketswe
4446		Place It On The Ground	0.5 hrs	Sat 20/05/23 13:00	Sat 20/05/23 13:30	4445	S Kalankane,D Keaketswe
4447		Support The Pump Before Loosening The Mounting Bolts	0.25 hrs	Sat 20/05/23 13:30	Sat 20/05/23 13:45	4446	S Kalankane,D Keaketswe
4448		Loosen And Remove All The Pump Mounting Bolts	0.5 hrs	Sat 20/05/23 13:45	Sat 20/05/23 14:15	4447	S Kalankane,D Keaketswe
4449		Rig Out The Pump And Transport To The Workshop	1 hr	Sat 20/05/23 14:15	Sat 20/05/23 15:15	4448	G Moeseraela,T Moloi,K Gabantogele,S
4450		Prepare Or Clean The Work Bench For Overhauling	0.25 hrs	Sat 20/05/23 15:15	Sat 20/05/23 15:30	4449	S Kalankane,D Keaketswe
4451		Place The Pump On The Work Bench	0.25 hrs	Sat 20/05/23 15:30	Sat 20/05/23 15:45	4450	S Kalankane,D Keaketswe
4452		Loosen Impeller Locknut	1 hr	Sat 20/05/23 15:45	Sat 20/05/23 16:45	4451	S Kalankane,D Keaketswe
4453		Remove The Impeller	1 hr	Sat 20/05/23 16:45	Sat 20/05/23 17:45	4452	S Kalankane,D Keaketswe
4454		Loosen The Gland Follwer	1 hr	Sat 20/05/23 17:45	Sun 21/05/23 07:45	4453	S Kalankane,D Keaketswe
4455		Separate The Volute And The Bearing Housing	1 hr	Sun 21/05/23 07:45	Sun 21/05/23 08:45	4454	S Kalankane,D Keaketswe
4456		Remove O Ring And Sleeve From The Shaft Respectively	1 hr	Sun 21/05/23 08:45	Sun 21/05/23 09:45	4455	S Kalankane,D Keaketswe
4457		Loosen And Remove The End Cover For The Bearing Housing	1 hr	Sun 21/05/23 09:45	Sun 21/05/23 10:45	4456	S Kalankane,D Keaketswe
4458		Pry Out The Seals From The Covers,Clean,Inspect And Replace With New Ones	1 hr	Sun 21/05/23 10:45	Sun 21/05/23 11:45	4457	S Kalankane,D Keaketswe
4459		Press Ou The Bearing Assembly From The Housing	0.5 hrs	Sun 21/05/23 11:45	Sun 21/05/23 12:45	4458	S Kalankane,D Keaketswe
4460		Press Out The Bearings From The Shaft	0.5 hrs	Sun 21/05/23 12:45	Sun 21/05/23 13:15	4459	S Kalankane,D Keaketswe
4461		Clean Shaft,Inspect And Repair Where Necessary	0.5 hrs	Sun 21/05/23 13:15	Sun 21/05/23 13:45	4460	S Kalankane,D Keaketswe
4462		Install Bearings On The Shaft Using Applicable Method,Eg Arbor Press,Bearing Heater Etc	0.5 hrs	Sun 21/05/23 13:45	Sun 21/05/23 14:15	4461	S Kalankane,D Keaketswe
4463		Install Bearing Assembly In The Housing Using The Correct Method	0.5 hrs	Sun 21/05/23 14:15	Sun 21/05/23 14:45	4462	S Kalankane,D Keaketswe
4464		Set The Clearances To Specifications	0.5 hrs	Sun 21/05/23 14:45	Sun 21/05/23 15:15	4463	S Kalankane,D Keaketswe
4465		Close The Bearing Housing	0.5 hrs	Sun 21/05/23 15:15	Sun 21/05/23 15:45	4464	S Kalankane,D Keaketswe
4466		Insert The Oring Followed By The Sleeve And Lock In Position	0.5 hrs	Sun 21/05/23 15:45	Sun 21/05/23 16:15	4465	S Kalankane,D Keaketswe
4467		Repack Gland Using 6Mm Packing	0.5 hrs	Sun 21/05/23 16:15	Sun 21/05/23 16:45	4466	S Kalankane,D Keaketswe
4468		Attach The Volute To The Bearing Housing	0.5 hrs	Sun 21/05/23 16:45	Sun 21/05/23 17:15	4467	S Kalankane,D Keaketswe
4469		Install The Impeller And Lock In Position	0.5 hrs	Sun 21/05/23 17:15	Sun 21/05/23 17:45	4468	S Kalankane,D Keaketswe
4470		Transport Pump To The Site	0.5 hrs	Sun 21/05/23 17:45	Mon 22/05/23 07:15	4469	S Kalankane,D Keaketswe
4471		Rig In Position And Secure	1 hr	Mon 22/05/23 07:15	Mon 22/05/23 08:15	4470	G Moeseraela,T Moloi,K Gabantogele,S
4472		Rig In Motor And Its Base	0.5 hrs	Mon 22/05/23 08:15	Mon 22/05/23 08:45	4471	G Moeseraela,T Moloi,K Gabantogele,S
4473		Align The Motor And Pump Pulley	1 hr	Mon 22/05/23 08:45	Mon 22/05/23 09:45	4472	S Kalankane,D Keaketswe
4474		Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Mon 22/05/23 09:45	Mon 22/05/23 10:15	4473	S Kalankane,D Keaketswe
4475		Replace Guards And Secure	0.25 hrs	Mon 22/05/23 10:15	Mon 22/05/23 10:30	4474	S Kalankane,D Keaketswe
4476		Carry Out House Keeping	0.5 hrs	Mon 22/05/23 10:30	Mon 22/05/23 11:00	4475	S Kalankane,D Keaketswe
4477		Sign Off Permit	0.25 hrs	Mon 22/05/23 11:00	Mon 22/05/23 11:15	4476	S Kalankane,D Keaketswe
4478	**28C2GA04**	**# B 4TH STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Fri 05/05/23 09:15**	**Fri 05/05/23 14:15**		
4479		Make out permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4480		Accept permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4479	S Kalankane,D Keaketswe
4481		Carry out risk assement	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4480	S Kalankane,D Keaketswe
4482		Loosen & remove all securing bolts	1 hr	Fri 05/05/23 10:00	Fri 05/05/23 11:00	4481	S Kalankane,D Keaketswe
4483		Remove old valve	0.5 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:30	4482	G Moeseraela,T Moloi,K Gabantogele,S
4484		Install new valve	1 hr	Fri 05/05/23 11:30	Fri 05/05/23 13:00	4483	G Moeseraela,T Moloi,K Gabantogele,S

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4485		Replace all bolts	0.25 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:15	4484	S Kalankane,D Keaketswe
4486		Tighten all bolts in correct sequence	0.5 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:45	4485	S Kalankane,D Keaketswe
4487		Housekeeping	0.25 hrs	Fri 05/05/23 13:45	Fri 05/05/23 14:00	4486	S Kalankane,D Keaketswe
4488		Clear permit	0.25 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:15	4487	S Kalankane,D Keaketswe
4489	**28C2GB01**	**# B1 VACUUM PUMP - Carry Out Inspection**	**25.75 hrs**	**Fri 05/05/23 09:15**	**Sun 07/05/23 14:30**		
4490		Make Out Permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4491		Accept Permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4490	S Kalankane,D Keaketswe
4492		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4491	S Kalankane,D Keaketswe
4493		Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Fri 05/05/23 10:00	Fri 05/05/23 14:00	4492	G Moeseraela,T Moloi,K Gabantogele,S
4494		Inspect V Belts And Replace If Necessary	2.5 hrs	Fri 05/05/23 14:00	Fri 05/05/23 16:30	4493	S Kalankane,D Keaketswe
4495		Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Fri 05/05/23 16:30	Sat 06/05/23 08:00	4494	S Kalankane,D Keaketswe
4496		Grease All The Bearings Using A Manual Grease Pump	2 hrs	Sat 06/05/23 08:00	Sat 06/05/23 10:00	4495	S Kalankane,D Keaketswe
4497		Rig In Guards And Secure	2.5 hrs	Sat 06/05/23 10:00	Sat 06/05/23 13:00	4496	G Moeseraela,T Moloi,K Gabantogele,S
4498		Support The Suction Valve With A Crane	2 hrs	Sat 06/05/23 13:00	Sat 06/05/23 15:00	4497	S Kalankane,D Keaketswe
4499		Loosen And Remove All Bolts	2 hrs	Sat 06/05/23 15:00	Sat 06/05/23 17:00	4498	S Kalankane,D Keaketswe
4500		Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.5 hrs	Sat 06/05/23 17:00	Sun 07/05/23 08:30	4499	S Kalankane,D Keaketswe
4501		Lower The Valve In Position Or Replace If Necessary Then Box Up	2.5 hrs	Sun 07/05/23 08:30	Sun 07/05/23 11:00	4500	S Kalankane,D Keaketswe
4502		Carry Out House Keeping	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	4501	S Kalankane,D Keaketswe
4503		Dismantle Scaffolding	2.5 hrs	Sun 07/05/23 11:15	Sun 07/05/23 14:15	4502	S Kalankane,D Keaketswe
4504		Clear Permit	0.25 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:30	4503	S Kalankane,D Keaketswe
4505	**28B2GB01**	**# A1 VACUUM PUMP - Install isolation valve**	**6.75 hrs**	**Sun 07/05/23 14:30**	**Mon 08/05/23 10:15**	**4489**	
4506		Clean build up on the bases, pump, pipes prior	0 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:30		Operations
4507		Break concrete to expose underground pipe prior	0 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:30	4506	Civils
4508		Make out permit	0.25 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:45	4507	Operations
4509		Accept permit	0.25 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:00	4508	M Ramatlhakeng,S Monna
4510		Carry out risk assement	0.25 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:15	4509	M Ramatlhakeng,S Monna
4511		Cut flange bolts	1 hr	Sun 07/05/23 15:15	Sun 07/05/23 16:15	4510	M Ramatlhakeng,S Monna
4512		Rig out the old pipes	0.5 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:45	4511	M-Crane 7Ton,G Moeseraela,T Moloi
4513		Rig in new pipes	1 hr	Sun 07/05/23 16:45	Sun 07/05/23 17:45	4512	M-Crane 7Ton,G Moeseraela,T Moloi
4514		Align and mount the pipes	2 hrs	Sun 07/05/23 17:45	Mon 08/05/23 08:45	4513	M Ramatlhakeng,S Monna
4515		Tighten bolts	1 hr	Mon 08/05/23 08:45	Mon 08/05/23 09:45	4514	M Ramatlhakeng,S Monna
4516		Housekeeping	0.25 hrs	Mon 08/05/23 09:45	Mon 08/05/23 10:00	4515	M Ramatlhakeng,S Monna
4517		Clear permit	0.25 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:15	4516	M Ramatlhakeng,S Monna
4518		Cast concrete	0 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:15	4517	Civil
4519	**28C2GB02**	**# B2 VACUUM PUMP - Carry Out Inspection**	**25.75 hrs**	**Mon 08/05/23 10:15**	**Wed 10/05/23 15:30**	**4505**	
4520		Make Out Permit	0.25 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:30		Operations
4521		Accept Permit	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45	4520	S Kalankane,D Keaketswe
4522		Carry Out Risk Assesment	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00	4521	S Kalankane,D Keaketswe
4523		Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Mon 08/05/23 11:00	Mon 08/05/23 15:00	4522	G Moeseraela,T Moloi,K Gabantogele,S
4524		Inspect V Belts And Replace If Necessary	2.5 hrs	Mon 08/05/23 15:00	Mon 08/05/23 17:30	4523	S Kalankane,D Keaketswe
4525		Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Mon 08/05/23 17:30	Tue 09/05/23 09:00	4524	S Kalankane,D Keaketswe
4526		Grease All The Bearings Using A Manual Grease Pump	2 hrs	Tue 09/05/23 09:00	Tue 09/05/23 11:00	4525	S Kalankane,D Keaketswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4527		Rig In Guards And Secure	2.5 hrs	Tue 09/05/23 11:00	Tue 09/05/23 14:00	4526	G Moeseraela,T Moloi,K Gabantogele,S
4528		Support The Suction Valve With A Crane	2 hrs	Tue 09/05/23 14:00	Tue 09/05/23 16:00	4527	S Kalankane,D Keaketswe
4529		Loosen And Remove All Bolts	2 hrs	Tue 09/05/23 16:00	Tue 09/05/23 18:00	4528	S Kalankane,D Keaketswe
4530		Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.5 hrs	Wed 10/05/23 07:00	Wed 10/05/23 09:30	4529	S Kalankane,D Keaketswe
4531		Lower The Valve In Position Or Replace If Necessary Then Box Up	2.5 hrs	Wed 10/05/23 09:30	Wed 10/05/23 12:00	4530	S Kalankane,D Keaketswe
4532		Carry Out House Keeping	0.25 hrs	Wed 10/05/23 12:30	Wed 10/05/23 12:45	4531	S Kalankane,D Keaketswe
4533		Dismantle Scaffolding	2.5 hrs	Wed 10/05/23 12:45	Wed 10/05/23 15:15	4532	S Kalankane,D Keaketswe
4534		Clear Permit	0.25 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:30	4533	S Kalankane,D Keaketswe
4535	**28B2GB02**	**# A2 VACUUM PUMP - Install isolation valve**	**6.75 hrs**	**Mon 08/05/23 10:15**	**Mon 08/05/23 17:30**	**4505**	
4536		Clean build up on the bases, pump, pipes prior	0 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:15		Operations
4537		Break concrete to expose underground pipe prior	0 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:15	4536	Civils
4538		Make out permit	0.25 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:30	4537	Operations
4539		Accept permit	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45	4538	M Ramatlhakeng,S Monna
4540		Carry out risk assement	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00	4539	M Ramatlhakeng,S Monna
4541		Cut flange bolts	1 hr	Mon 08/05/23 11:00	Mon 08/05/23 12:00	4540	M Ramatlhakeng,S Monna
4542		Rig out the old pipes	0.5 hrs	Mon 08/05/23 12:30	Mon 08/05/23 13:00	4541	M-Crane 7Ton,G Moeseraela,T Moloi
4543		Rig in new pipes	1 hr	Mon 08/05/23 13:00	Mon 08/05/23 14:00	4542	M-Crane 7Ton,G Moeseraela,T Moloi
4544		Align and mount the pipes	2 hrs	Mon 08/05/23 14:00	Mon 08/05/23 16:00	4543	M Ramatlhakeng,S Monna
4545		Tighten bolts	1 hr	Mon 08/05/23 16:00	Mon 08/05/23 17:00	4544	M Ramatlhakeng,S Monna
4546		Housekeeping	0.25 hrs	Mon 08/05/23 17:00	Mon 08/05/23 17:15	4545	M Ramatlhakeng,S Monna
4547		Clear permit	0.25 hrs	Mon 08/05/23 17:15	Mon 08/05/23 17:30	4546	M Ramatlhakeng,S Monna
4548		Cast concrete	0 hrs	Mon 08/05/23 17:30	Mon 08/05/23 17:30	4547	Civil
4549	**28C2GB03**	**# B3 VACUUM PUMP - Carry Out Inspection**	**25.75 hrs**	**Fri 05/05/23 09:15**	**Sun 07/05/23 14:30**		
4550		Make Out Permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4551		Accept Permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4550	S Kalankane,D Keaketswe
4552		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4551	S Kalankane,D Keaketswe
4553		Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Fri 05/05/23 10:00	Fri 05/05/23 14:00	4552	G Moeseraela,T Moloi,K Gabantogele,S
4554		Inspect V Belts And Replace If Necessary	2.5 hrs	Fri 05/05/23 14:00	Fri 05/05/23 16:30	4553	S Kalankane,D Keaketswe
4555		Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Fri 05/05/23 16:30	Sat 06/05/23 08:00	4554	S Kalankane,D Keaketswe
4556		Grease All The Bearings Using A Manual Grease Pump	2 hrs	Sat 06/05/23 08:00	Sat 06/05/23 10:00	4555	S Kalankane,D Keaketswe
4557		Rig In Guards And Secure	2.5 hrs	Sat 06/05/23 10:00	Sat 06/05/23 13:00	4556	G Moeseraela,T Moloi,K Gabantogele,S
4558		Support The Suction Valve With A Crane	2 hrs	Sat 06/05/23 13:00	Sat 06/05/23 15:00	4557	S Kalankane,D Keaketswe
4559		Loosen And Remove All Bolts	2 hrs	Sat 06/05/23 15:00	Sat 06/05/23 17:00	4558	S Kalankane,D Keaketswe
4560		Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.5 hrs	Sat 06/05/23 17:00	Sun 07/05/23 08:30	4559	S Kalankane,D Keaketswe
4561		Lower The Valve In Position Or Replace If Necessary Then Box Up	2.5 hrs	Sun 07/05/23 08:30	Sun 07/05/23 11:00	4560	S Kalankane,D Keaketswe
4562		Carry Out House Keeping	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	4561	S Kalankane,D Keaketswe
4563		Dismantle Scaffolding	2.5 hrs	Sun 07/05/23 11:15	Sun 07/05/23 14:15	4562	S Kalankane,D Keaketswe
4564		Clear Permit	0.25 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:30	4563	S Kalankane,D Keaketswe
4565	**28B2GB03**	**# A3 VACUUM PUMP - Install isolation valve**	**6.75 hrs**	**Mon 08/05/23 17:30**	**Tue 09/05/23 13:45**	**4535**	
4566		Clean build up on the bases, pump, pipes prior	0 hrs	Mon 08/05/23 17:30	Mon 08/05/23 17:30		Operations
4567		Break concrete to expose underground pipe prior	0 hrs	Mon 08/05/23 17:30	Mon 08/05/23 17:30	4566	Civils
4568		Make out permit	0.25 hrs	Mon 08/05/23 17:30	Mon 08/05/23 17:45	4567	Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4569		Accept permit	0.25 hrs	Mon 08/05/23 17:45	Mon 08/05/23 18:00	4568	M Ramatlhakeng,S Monna
4570		Carry out risk assement	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	4569	M Ramatlhakeng,S Monna
4571		Cut flange bolts	1 hr	Tue 09/05/23 07:15	Tue 09/05/23 08:15	4570	M Ramatlhakeng,S Monna
4572		Rig out the old pipes	0.5 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:45	4571	M-Crane 7Ton,G Moeseraela,T Moloi
4573		Rig in new pipes	1 hr	Tue 09/05/23 08:45	Tue 09/05/23 09:45	4572	M-Crane 7Ton,G Moeseraela,T Moloi
4574		Align and mount the pipes	2 hrs	Tue 09/05/23 09:45	Tue 09/05/23 11:45	4573	M Ramatlhakeng,S Monna
4575		Tighten bolts	1 hr	Tue 09/05/23 11:45	Tue 09/05/23 13:15	4574	M Ramatlhakeng,S Monna
4576		Housekeeping	0.25 hrs	Tue 09/05/23 13:15	Tue 09/05/23 13:30	4575	M Ramatlhakeng,S Monna
4577		Clear permit	0.25 hrs	Tue 09/05/23 13:30	Tue 09/05/23 13:45	4576	M Ramatlhakeng,S Monna
4578		Cast concrete	0 hrs	Tue 09/05/23 13:45	Tue 09/05/23 13:45	4577	Civil
4579		**ELECTRICAL**	**43.25 hrs**	**Fri 05/05/23 09:15**	**Tue 09/05/23 10:30**	**4107**	
4580	**28C2GB04**	**# B3 VACUUM PUMP - Services Electric Motor And Panel Components**	**22.75 hrs**	**Fri 05/05/23 09:15**	**Sun 07/05/23 11:00**		
4581		Make Out Permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4582		Accept Permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4581	L Majoo,O Macheng
4583		Carry Out Electric Isolation	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4582	L Majoo,O Macheng
4584		Services Electric Motor And Panel Components	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	4583	L Majoo,O Macheng
4585		Remove All Vacuum Motor Canopies	2.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 13:15	4584	G Moeseraela,T Moloi,K Gabantogele
4586		Disconnect, remove motor and send for painting	2 hrs	Fri 05/05/23 13:15	Fri 05/05/23 15:15	4585	G Moeseraela,T Moloi,K Gabantogele,S
4587		Paint motor	6 hrs	Fri 05/05/23 15:15	Sat 06/05/23 10:15	4586	Painter 1
4588		Curing time	4 hrs	Sat 06/05/23 10:15	Sat 06/05/23 14:15	4587	
4589		Check Loose Connections In The Panel	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	4588	L Majoo,O Macheng
4590		Check Soft Starter Connections & Clear Dust	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	4589	L Majoo,O Macheng
4591		Service Stop/Start	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	4590	L Majoo,O Macheng
4592		Check Motor Fan Condition	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15	4591	L Majoo,O Macheng
4593		Check Cable Terminal Leads For Over Heating	2 hrs	Sat 06/05/23 15:15	Sat 06/05/23 17:15	4592	L Majoo,O Macheng
4594		Install and connect motor	2 hrs	Sat 06/05/23 17:15	Sun 07/05/23 08:15	4593	G Moeseraela,T Moloi,K Gabantogele,S
4595		Tighten Motor Connections & Gland Intergrity	2 hrs	Sun 07/05/23 08:15	Sun 07/05/23 10:15	4594	L Majoo,O Macheng
4596		Seal For Moisture And Dust	0.25 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:30	4595	L Majoo,O Macheng
4597		Confirm Correct Protection Settings	0.25 hrs	Sun 07/05/23 10:30	Sun 07/05/23 10:45	4596	L Majoo,O Macheng
4598		Clear Permit	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	4597	L Majoo,O Macheng
4599	**28C2GB03**	**# B2 VACUUM PUMP - Services Electric Motor And Panel Components**	**20.5 hrs**	**Sun 07/05/23 11:00**	**Tue 09/05/23 10:30**	**4580**	
4600		Make Out Permit	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15		Operations
4601		Accept Permit	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30	4600	L Majoo,O Macheng
4602		Carry Out Electric Isolation	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	4601	L Majoo,O Macheng
4603		Remove All Vacuum Motor Canopies	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	4602	G Moeseraela,T Moloi,K Gabantogele
4604		Services Electric Motor And Panel Components	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	4603	L Majoo,O Macheng
4605		Disconnect, remove motor and send for painting	2 hrs	Sun 07/05/23 12:45	Sun 07/05/23 14:45	4604	G Moeseraela,T Moloi,K Gabantogele,S
4606		Paint motor	6 hrs	Sun 07/05/23 14:45	Mon 08/05/23 09:45	4605	Painter 1
4607		Curing time	4 hrs	Mon 08/05/23 09:45	Mon 08/05/23 13:45	4606	
4608		Check Loose Connections In The Panel	0.25 hrs	Mon 08/05/23 13:45	Mon 08/05/23 14:00	4607	L Majoo,O Macheng
4609		Check Soft Starter Connections & Clear Dust	0.25 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:15	4608	L Majoo,O Macheng
4610		Service Stop/Start	0.25 hrs	Mon 08/05/23 14:15	Mon 08/05/23 14:30	4609	L Majoo,O Macheng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4611		Check Motor Fan Condition	0.25 hrs	Mon 08/05/23 14:30	Mon 08/05/23 14:45	4610	L Majoo,O Macheng
4612		Check Cable Terminal Leads For Over Heating	2 hrs	Mon 08/05/23 14:45	Mon 08/05/23 16:45	4611	L Majoo,O Macheng
4613		Install and connect motor	2 hrs	Mon 08/05/23 16:45	Tue 09/05/23 07:45	4612	G Moeseraela,T Moloi,K Gabantogele,S
4614		Tighten Motor Connections & Gland Intergrity	2 hrs	Tue 09/05/23 07:45	Tue 09/05/23 09:45	4613	L Majoo,O Macheng
4615		Seal For Moisture And Dust	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	4614	L Majoo,O Macheng
4616		Confirm Correct Protection Settings	0.25 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:15	4615	L Majoo,O Macheng
4617		Clear Permit	0.25 hrs	Tue 09/05/23 10:15	Tue 09/05/23 10:30	4616	L Majoo,O Macheng
4618	**28C2GB02**	**# B1 VACUUM PUMP - Services Electric Motor And Panel Components**	**7 hrs**	**Fri 05/05/23 09:15**	**Fri 05/05/23 16:45**		
4619		Make Out Permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4620		Accept Permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4619	L Majoo,O Macheng
4621		Carry Out Electric Isolation	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4620	L Majoo,O Macheng
4622		Services Electric Motor And Panel Components	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	4621	L Majoo,O Macheng
4623		Remove All Vacuum Motor Canopies	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	4622	G Moeseraela,T Moloi,K Gabantogele
4624		Check Loose Connections In The Panel	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	4623	L Majoo,O Macheng
4625		Check Soft Starter Connections & Clear Dust	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00	4624	L Majoo,O Macheng
4626		Service Stop/Start	0.25 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:15	4625	L Majoo,O Macheng
4627		Check Motor Fan Condition	0.25 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:30	4626	L Majoo,O Macheng
4628		Check Cable Terminal Leads For Over Heating	2 hrs	Fri 05/05/23 11:30	Fri 05/05/23 14:00	4627	L Majoo,O Macheng
4629		Tighten Motor Connections & Gland Intergrity	2 hrs	Fri 05/05/23 14:00	Fri 05/05/23 16:00	4628	L Majoo,O Macheng
4630		Seal For Moisture And Dust	0.25 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:15	4629	L Majoo,O Macheng
4631		Confirm Correct Protection Settings	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30	4630	L Majoo,O Macheng
4632		Clear Permit	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	4631	L Majoo,O Macheng
4633	**28C2RE01**	**# B BICARBONATE BELT CONVEYOR - Services Electric Motor And Panel Components**	**17.25 hrs**	**Fri 05/05/23 16:45**	**Sun 07/05/23 13:00**	**4618**	
4634		Make Out Permit	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00		Operations
4635		Accept Permit	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	4634	L Majoo,O Macheng
4636		Services Electric Motor And Panel Components	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30	4635	L Majoo,O Macheng
4637		Carry Out Electric Isolation	0.25 hrs	Fri 05/05/23 17:30	Fri 05/05/23 17:45	4636	L Majoo,O Macheng
4638		Disconnect, remove motor and send for painting	2 hrs	Fri 05/05/23 17:45	Sat 06/05/23 08:45	4637	G Moeseraela,T Moloi,K Gabantogele,S
4639		Paint motor	6 hrs	Sat 06/05/23 08:45	Sat 06/05/23 15:15	4638	Painter 1
4640		Curing time	4 hrs	Sat 06/05/23 15:15	Sat 06/05/23 19:15	4639	
4641		Check Loose Connections In The Panel	0.25 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:15	4640	L Majoo,O Macheng
4642		Check Contactor Contacts	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	4641	L Majoo,O Macheng
4643		Service U/S Circuit	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	4642	L Majoo,O Macheng
4644		Service Stop/Start	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	4643	L Majoo,O Macheng
4645		Replace trip wires and switches	1 hr	Sun 07/05/23 08:00	Sun 07/05/23 09:00	4644	L Majoo,O Macheng
4646		Replace Worn Underspeed Feed Cable Rack	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	4645	L Majoo,O Macheng
4647		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:30	4646	L Majoo,O Macheng
4648		Install and connect motor	2 hrs	Sun 07/05/23 09:30	Sun 07/05/23 11:30	4647	G Moeseraela,T Moloi,K Gabantogele,S
4649		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	4648	L Majoo,O Macheng
4650		Seal For Moisture And Dust	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	4649	L Majoo,O Macheng
4651		Confirm Correct Protection Settings	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	4650	L Majoo,O Macheng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4652		Clear Permit	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	4651	L Majoo,O Macheng
4653	**28C2GA02**	**# B SECONDARY FILTRATE PUMP - Services Electric Motor And Panel Components**	**8.75 hrs**	**Fri 05/05/23 09:15**	**Sat 06/05/23 07:30**		
4654		Make Out Permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4655		Accept Permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4654	L Majoo,O Macheng
4656		Carry Out Electrical Isolation	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4655	L Majoo,O Macheng
4657		Services Electric Motor And Panel Components	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	4656	L Majoo,O Macheng
4658		Disconnect, remove motor and send for painting	2 hrs	Fri 05/05/23 10:15	Fri 05/05/23 12:45	4657	G Moeseraela,T Moloi,K Gabantogele,S
4659		Check Loose Connections In The Panel	0.25 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:00	4658	L Majoo,O Macheng
4660		Check Contactor Contacts	0.25 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:15	4659	L Majoo,O Macheng
4661		Service Stop/Start	0.25 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:30	4660	L Majoo,O Macheng
4662		Install and connect motor	2 hrs	Fri 05/05/23 13:30	Fri 05/05/23 15:30	4661	G Moeseraela,T Moloi,K Gabantogele,S
4663		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 05/05/23 15:30	Fri 05/05/23 15:45	4662	L Majoo,O Macheng
4664		Tighten Motor Connections & Gland Intergrity	2 hrs	Fri 05/05/23 15:45	Fri 05/05/23 17:45	4663	L Majoo,O Macheng
4665		Seal For Moisture And Dust	0.25 hrs	Fri 05/05/23 17:45	Fri 05/05/23 18:00	4664	L Majoo,O Macheng
4666		Confirm Correct Protection Settings	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	4665	L Majoo,O Macheng
4667		Clear Permit	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	4666	L Majoo,O Macheng
4668	**28C2FK01**	**# B BELT FILTER - Carry out general electrical inspections**	**12.25 hrs**	**Fri 05/05/23 09:15**	**Sat 06/05/23 11:00**		
4669		Make Out Permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4670		Accept Permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4669	L Majoo,O Macheng
4671		Carry Out Electric Isolation	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4670	L Majoo,O Macheng
4672		Disconnect, remove motor and send for painting	2 hrs	Fri 05/05/23 10:00	Fri 05/05/23 12:00	4671	G Moeseraela,T Moloi,K Gabantogele,S
4673		Check Loose Connections In The Panel	0.25 hrs	Fri 05/05/23 12:30	Fri 05/05/23 12:45	4672	L Majoo,O Macheng
4674		Check Vsd Connections And Blow Out Dust	0.25 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:00	4673	L Majoo,O Macheng
4675		Service Stop/Start	0.25 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:15	4674	L Majoo,O Macheng
4676		Install and connect motor	2 hrs	Fri 05/05/23 13:15	Fri 05/05/23 15:15	4675	G Moeseraela,T Moloi,K Gabantogele,S
4677		Replace pick tails for trip wire	1 hr	Fri 05/05/23 15:15	Fri 05/05/23 16:15	4676	L Majoo,O Macheng
4678		Service belt alignment switches& Thoroughly Seal	2 hrs	Fri 05/05/23 16:15	Sat 06/05/23 07:15	4677	L Majoo,O Macheng
4679		Service Pull Switshes and replace worn out units	1 hr	Sat 06/05/23 07:15	Sat 06/05/23 08:15	4678	L Majoo,O Macheng
4680		Inspect pull wire for wear	0.5 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:45	4679	L Majoo,O Macheng
4681		Replace pull wire junction boxes	1.5 hrs	Sat 06/05/23 08:45	Sat 06/05/23 10:15	4680	L Majoo,O Macheng
4682		Seal For Moisture And Dust	0.25 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:30	4681	L Majoo,O Macheng
4683		Change VSD Motor Protection To Match Name Plate	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45	4682	L Majoo,O Macheng
4684		Clear Permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	4683	L Majoo,O Macheng
4685	**28C2GB01**	**# B BELT FILTER BLOWER - Services Electric Motor And Panel Components**	**8 hrs**	**Fri 05/05/23 09:15**	**Fri 05/05/23 17:45**		
4686		Make Out Permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30		Operations
4687		Accept Permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4686	L Majoo,O Macheng
4688		Carry Out Electric Isolation	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	4689	L Majoo,O Macheng
4689		Services Electric Motor And Panel Components	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4687	L Majoo,O Macheng
4690		Disconnect, remove motor and send for painting	2 hrs	Fri 05/05/23 10:15	Fri 05/05/23 12:45	4688	G Moeseraela,T Moloi,K Gabantogele,S
4691		Check Loose Connections In The Panel	0.25 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:00	4690	L Majoo,O Macheng
4692		Check Contactor Contacts	0.25 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:15	4691	L Majoo,O Macheng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4693		Install motor	1.5 hrs	Fri 05/05/23 13:15	Fri 05/05/23 14:45	4692	G Moeseraela,T Moloi,K Gabantogele,S
4694		Connect motor	1.5 hrs	Fri 05/05/23 14:45	Fri 05/05/23 16:15	4693	L Majoo,O Macheng
4695		Service Stop/Start	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30	4694	L Majoo,O Macheng
4696		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	4695	L Majoo,O Macheng
4697		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	4696	L Majoo,O Macheng
4698		Seal For Moisture And Dust	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	4697	L Majoo,O Macheng
4699		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30	4698	L Majoo,O Macheng
4700		Clear Permit	0.25 hrs	Fri 05/05/23 17:30	Fri 05/05/23 17:45	4699	L Majoo,O Macheng
4701	**28B2GB01A**	**# A1 PRIMARY FILTRATE PUMP - Carry Out Maintenance On Electrical Components**	**7 hrs**	**Sat 06/05/23 07:30**	**Sat 06/05/23 15:00**	**4653**	
4702		Make Out Permit	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45		Operations
4703		Accept Permit	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	4702	L Majoo,O Macheng
4704		Carry Out Electrical Isolation	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	4703	L Majoo,O Macheng
4705		Services Electric Motor And Panel Components	0.25 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:30	4704	L Majoo,O Macheng
4706		Disconnect, remove motor and send for repairs	2 hrs	Sat 06/05/23 08:30	Sat 06/05/23 10:30	4705	G Moeseraela,T Moloi,K Gabantogele,S
4707		Check Loose Connections In The Panel	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45	4706	L Majoo,O Macheng
4708		Check Contactor Contacts	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	4707	L Majoo,O Macheng
4709		Service Stop/Start	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	4708	L Majoo,O Macheng
4710		Install and connect motor	2 hrs	Sat 06/05/23 11:15	Sat 06/05/23 13:45	4709	G Moeseraela,T Moloi,K Gabantogele,S
4711		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:00	4710	L Majoo,O Macheng
4712		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:15	4711	L Majoo,O Macheng
4713		Seal For Moisture And Dust	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	4712	L Majoo,O Macheng
4714		Confirm Correct Protection Settings	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	4713	L Majoo,O Macheng
4715		Clear Permit	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	4714	L Majoo,O Macheng
4716	**28B2GB01B**	**# A2 PRIMARY FILTRATE PUMP - Services Electric Motor And Panel Components**	**7.25 hrs**	**Sat 06/05/23 15:00**	**Sun 07/05/23 11:15**	**4701**	
4717		Make Out Permit	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15		Operations
4718		Accept Permit	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	4717	L Majoo,O Macheng
4719		Carry Out Electric Isolation	0.25 hrs	Sat 06/05/23 15:30	Sat 06/05/23 15:45	4718	L Majoo,O Macheng
4720		Services Electric Motor And Panel Components	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00	4719	L Majoo,O Macheng
4721		Disconnect, remove motor and send for repairs	2 hrs	Sat 06/05/23 16:00	Sat 06/05/23 18:00	4720	G Moeseraela,T Moloi,K Gabantogele,S
4722		Check Loose Connections In The Panel	0.25 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:15	4721	L Majoo,O Macheng
4723		Check Contactor Contacts	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	4722	L Majoo,O Macheng
4724		Service Stop/Start	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	4723	L Majoo,O Macheng
4725		Install and connect motor	2 hrs	Sun 07/05/23 07:45	Sun 07/05/23 09:45	4724	G Moeseraela,T Moloi,K Gabantogele,S
4726		Check Motor Fan Condition	0.25 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:00	4725	L Majoo,O Macheng
4727		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:15	4726	L Majoo,O Macheng
4728		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:30	4727	L Majoo,O Macheng
4729		Seal For Moisture And Dust	0.25 hrs	Sun 07/05/23 10:30	Sun 07/05/23 10:45	4728	L Majoo,O Macheng
4730		Confirm Correct Protection Settings	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	4729	L Majoo,O Macheng
4731		Clear Permit	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	4730	L Majoo,O Macheng
4732	**28C2GA03**	**# B 3RD STAGE FILTRATE PUMP - Services Electric Motor And Panel Components**	**6.75 hrs**	**Sun 07/05/23 11:15**	**Mon 08/05/23 07:30**	**4716**	
4733		Make Out Permit	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4734		Accept Permit	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	4733	L Majoo,O Macheng
4735		Carry Out Electric Isolation	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	4734	L Majoo,O Macheng
4736		Services Electric Motor And Panel Components	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	4735	L Majoo,O Macheng
4737		Disconnect, remove motor and send for repairs	2 hrs	Sun 07/05/23 12:45	Sun 07/05/23 14:45	4736	G Moeseraela,T Moloi,K Gabantogele,S
4738		Check Loose Connections In The Panel	0.25 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:00	4737	L Majoo,O Macheng
4739		Service Stop/Start	0.25 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:15	4738	L Majoo,O Macheng
4740		Install and connect motor	2 hrs	Sun 07/05/23 15:15	Sun 07/05/23 17:15	4739	G Moeseraela,T Moloi,K Gabantogele,S
4741		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 07/05/23 17:15	Sun 07/05/23 17:30	4740	L Majoo,O Macheng
4742		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sun 07/05/23 17:30	Sun 07/05/23 17:45	4741	L Majoo,O Macheng
4743		Seal For Moisture And Dust	0.25 hrs	Sun 07/05/23 17:45	Sun 07/05/23 18:00	4742	L Majoo,O Macheng
4744		Confirm Correct Protection Settings	0.25 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:15	4743	L Majoo,O Macheng
4745		Clear Permit	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30	4744	L Majoo,O Macheng
4746	**28C2GA04**	**# B 4TH STAGE FILTRATE PUMP - Services Electric Motor And Panel Components**	**7 hrs**	**Mon 08/05/23 07:30**	**Mon 08/05/23 15:00**	**4732**	
4747		Make Out Permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45		Operations
4748		Accept Permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	4747	L Majoo,O Macheng
4749		Carry Out Electrical Isolation	0.25 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:15	4748	L Majoo,O Macheng
4750		Services Electric Motor And Panel Components	0.25 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:30	4749	L Majoo,O Macheng
4751		Disconnect, remove motor and send for repairs	2 hrs	Mon 08/05/23 08:30	Mon 08/05/23 10:30	4750	G Moeseraela,T Moloi,K Gabantogele,S
4752		Check Loose Connections In The Panel	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45	4751	L Majoo,O Macheng
4753		Check Contactor Contacts	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00	4752	L Majoo,O Macheng
4754		Service Stop/Start	0.25 hrs	Mon 08/05/23 11:00	Mon 08/05/23 11:15	4753	L Majoo,O Macheng
4755		Install and connect motor	2 hrs	Mon 08/05/23 11:15	Mon 08/05/23 13:45	4754	G Moeseraela,T Moloi,K Gabantogele,S
4756		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 08/05/23 13:45	Mon 08/05/23 14:00	4755	L Majoo,O Macheng
4757		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:15	4756	L Majoo,O Macheng
4758		Seal For Moisture And Dust	0.25 hrs	Mon 08/05/23 14:15	Mon 08/05/23 14:30	4757	L Majoo,O Macheng
4759		Confirm Correct Protection Settings	0.25 hrs	Mon 08/05/23 14:30	Mon 08/05/23 14:45	4758	L Majoo,O Macheng
4760		Clear Permit	0.25 hrs	Mon 08/05/23 14:45	Mon 08/05/23 15:00	4759	L Majoo,O Macheng
4761		**INSTRUMENTATION**	**219 hrs**	**Wed 03/05/23 06:30**	**Tue 23/05/23 16:30**		
4762	**28C2FK02**	**# B BELT FILTER - Overhaul alignment system**	**8 hrs**	**Tue 23/05/23 08:00**	**Tue 23/05/23 16:30**	**4125**	
4763		Make out permit	0.25 hrs	Tue 23/05/23 08:00	Tue 23/05/23 08:15	4125	Operations
4764		Accept permit	0.25 hrs	Tue 23/05/23 08:15	Tue 23/05/23 08:30	4763	O Jacob,K Dijeng
4765		Disconnect instruments	0 hrs	Tue 23/05/23 08:30	Tue 23/05/23 08:30	4764	O Jacob,K Dijeng
4766		Remove the device	2 hrs	Tue 23/05/23 08:30	Tue 23/05/23 10:30	4765	O Jacob,K Dijeng,S Kalankane,D Keakets
4767		Overhaul the system	3 hrs	Tue 23/05/23 10:30	Tue 23/05/23 14:00	4766	O Jacob,K Dijeng
4768		Install the system	2 hrs	Tue 23/05/23 14:00	Tue 23/05/23 16:00	4767	O Jacob,K Dijeng,S Kalankane,D Keakets
4769		Stroke check valve	0.25 hrs	Tue 23/05/23 16:00	Tue 23/05/23 16:15	4768	O Jacob,K Dijeng
4770		Clear permit	0.25 hrs	Tue 23/05/23 16:15	Tue 23/05/23 16:30	4769	O Jacob,K Dijeng
4771	**28HS005**	**# B BELT FILTER VALVE (slide gate) - Replace valve**	**4.75 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 11:45**		
4772		Make out permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
4773		Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	4772	O Jacob,K Dijeng
4774		Disconnect instruments	1 hr	Wed 03/05/23 07:15	Wed 03/05/23 08:15	4773	O Jacob,K Dijeng
4775		Replace valve	3 hrs	Wed 03/05/23 08:15	Wed 03/05/23 11:15	4774	G Moeseraela,T Moloi,K Gabantogele,C

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4776		Stroke check valve	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	4775	O Jacob,K Dijeng
4777		Clear permit	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	4776	O Jacob,K Dijeng
4778	**28LC201**	**# B BELT LEVEL CONTROL VALVE - Replace sleeve**	**6 hrs**	**Wed 03/05/23 11:45**	**Thu 04/05/23 07:15**	**4771**	
4779		Make out permit	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00		Operations
4780		Accept permit	0.25 hrs	Wed 03/05/23 12:30	Wed 03/05/23 12:45	4779	O Jacob,K Dijeng
4781		Disconnect instruments	0.5 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:15	4780	O Jacob,K Dijeng
4782		Remove old sleeve/liner	3.25 hrs	Wed 03/05/23 13:15	Wed 03/05/23 16:30	4781	RSC Scaffolding,G Moeseraela,T Moloi,I
4783		Replace sleeve/liner	1 hr	Wed 03/05/23 16:30	Wed 03/05/23 17:30	4782	O Jacob,K Dijeng
4784		Stroke check valve	0.25 hrs	Wed 03/05/23 17:30	Wed 03/05/23 17:45	4783	O Jacob,K Dijeng
4785		Clear permit	0.5 hrs	Wed 03/05/23 17:45	Thu 04/05/23 07:15	4784	O Jacob,K Dijeng
4786		Thickening and Filtration Maintenance Complete	0 hrs	Sat 27/05/23 02:45	Sat 27/05/23 02:45	2812,3276,	
4787	**Area 29A**	**CALCINER - A LINE**	**217.5 hrs**	**Wed 03/05/23 06:30**	**Tue 23/05/23 15:00**		
4788		**OPERATIONS**	**31.5 hrs**	**Wed 03/05/23 06:30**	**Sat 06/05/23 03:30**		
4789	**29A2GR01**	**CALCINER A - Shutdown & Cleaning**	**21.75 hrs**	**Wed 03/05/23 06:30**	**Fri 05/05/23 07:45**		
4790		Organize Hoses Prior	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		Operations
4791		Empty Calciner	4 hrs	Wed 03/05/23 06:30	Wed 03/05/23 10:30	4790	Operations
4792		Depressurize The Calciner System	2 hrs	Wed 03/05/23 10:30	Wed 03/05/23 12:30	4791	Operations
4793		Swing Elbow	1 hr	Wed 03/05/23 12:30	Wed 03/05/23 13:30	4792	M Ramosomana,M Kene
4794		Force Cool	4 hrs	Wed 03/05/23 13:30	Wed 03/05/23 17:30	4793	Operations
4795		Open All Mixer Covers	2 hrs	Wed 03/05/23 17:30	Thu 04/05/23 08:30	4794	M Ramosomana,M Kene
4796		Open Calciner Drain Cover	0.5 hrs	Thu 04/05/23 08:30	Thu 04/05/23 09:00	4795	Operations
4797		Open Discharge Screw Bottom Covers	0.5 hrs	Thu 04/05/23 09:00	Thu 04/05/23 09:30	4796	M Ramosomana,M Kene
4798		Run Calciner On Main Drive	0.25 hrs	Thu 04/05/23 09:30	Thu 04/05/23 09:45	4797	Operations
4799		Wash Calciner	22 hrs	Thu 04/05/23 09:45	Fri 05/05/23 07:45	4798	Operations
4800		**PLANT STRUCTURE - Washing**	**31.5 hrs**	**Wed 03/05/23 06:30**	**Sat 06/05/23 03:30**		
4801		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
4802		Accept Permit	0.25 hrs	Wed 03/05/23 06:45	Wed 03/05/23 07:00	4801	Operations
4803		Carry Out Risk Assessment	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	4802	Operations
4804		Open incline conveyor covers	2 hrs	Wed 03/05/23 07:15	Wed 03/05/23 09:15	4803	M Ramosomana,M Kene
4805	29A2RF02	Wash incline chain conveyor	6 hrs	Wed 03/05/23 09:15	Wed 03/05/23 15:15	4804	Operations
4806		Wash Calcining plant structure	60 hrs	Wed 03/05/23 15:15	Sat 06/05/23 03:15	4805	Operations
4807		Clear Permit	0.25 hrs	Sat 06/05/23 03:15	Sat 06/05/23 03:30	4806	Operations
4808	**29A2FB01**	**# A SEAL WATER TANK - Drain & Clean Out Seal Water Tank**	**5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 12:00**	**4789SS**	
4809		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
4810		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	4809	M Ramosomana,M Kene
4811		Drain Tank	0.5 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:45	4810	Operations
4812		Remove Cover	1 hr	Wed 03/05/23 07:45	Wed 03/05/23 08:45	4811	M-Crane 7Ton,G Moeseraela,T Moloi,K
4813		Inspect Tank Internals	0.5 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:15	4812	Inspector
4814		Clean Out Tank	2 hrs	Wed 03/05/23 09:15	Wed 03/05/23 11:15	4813	Operations
4815		Box Up	0.5 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:45	4814	M Ramosomana,M Kene
4816		Clear Permit	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00	4815	M Ramosomana,M Kene
4817	**29A2EA01**	**# A SCRUBBER CONDENSATE COOLER - Soak For Cleaning**	**8.5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 16:00**	**4789SS**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4818		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
4819		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	4818	M Ramosomana,M Kene
4820		Soak For Cleaning (Acid Wash)	8 hrs	Wed 03/05/23 07:15	Wed 03/05/23 15:15	4819	Operations
4821		Drain Cooler	0.5 hrs	Wed 03/05/23 15:15	Wed 03/05/23 15:45	4820	M Ramosomana,M Kene
4822		Clear Permit	0.25 hrs	Wed 03/05/23 15:45	Wed 03/05/23 16:00	4821	M Ramosomana,M Kene
4823	**29A2DK01**	**INSPECTION& CLEANING - Scrubber A**	**23 hrs**	**Wed 03/05/23 16:00**	**Fri 05/05/23 19:45**	**4817**	
4824		Organize Rings Prior	0 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:00		Operations
4825		Circulate With Citric Acid	10 hrs	Wed 03/05/23 16:00	Thu 04/05/23 02:00	4824	Operations
4826		Close Water To Sprays	0.25 hrs	Thu 04/05/23 02:00	Thu 04/05/23 02:15	4825	Operations
4827		Close Scrubber Makeup	0.25 hrs	Thu 04/05/23 02:15	Thu 04/05/23 02:30	4826	Operations
4828		Drain Scrubber	0.5 hrs	Thu 04/05/23 02:30	Thu 04/05/23 03:00	4827	Operations
4829		Issue Permit	0.25 hrs	Thu 04/05/23 03:00	Thu 04/05/23 03:15	4828	Operations
4830		Open Inspection Covers	2 hrs	Thu 04/05/23 07:00	Thu 04/05/23 09:00	4829	M Ramosomana,M Kene
4831		Carry Out Gas Test	0.5 hrs	Thu 04/05/23 09:00	Thu 04/05/23 09:30	4830	Lab
4832		Remove Scrubber Rachet Rings	20 hrs	Thu 04/05/23 09:30	Fri 05/05/23 05:30	4831	Operations
4833		Replace Rachet Rings	14 hrs	Fri 05/05/23 05:30	Fri 05/05/23 19:30	4832	Operations
4834		Clear Permits	0.25 hrs	Fri 05/05/23 19:30	Fri 05/05/23 19:45	4833	Operations
4835		**MAINTENANCE STARTS**	**0 hrs**	**Fri 05/05/23 07:45**	**Fri 05/05/23 07:45**	**4789**	
4836		Maintenance jobs commence	0 hrs	Fri 05/05/23 07:45	Fri 05/05/23 07:45		
4837		**MECHANICAL**	**217.5 hrs**	**Wed 03/05/23 06:30**	**Tue 23/05/23 15:00**		
4838	**29A2GR01**	**# A CALCINER - Replace outlet and rotate inlet trunnion rollers**	**71.75 hrs**	**Fri 05/05/23 07:45**	**Thu 11/05/23 17:00**	**4835**	
4839		Make out permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		Operations
4840		Accept permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	4839	M Ramosomana,M Kene
4841		Carry out risk assesment	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	4840	M Ramosomana,M Kene
4842		Disconnect all lube pipes,mark and blank them	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	4841	M Ramosomana,M Kene
4843		Mark and remove guards	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	4842	M Ramosomana,M Kene
4844		Clean old grease from grease tray	24 hrs	Fri 05/05/23 09:15	Sun 07/05/23 12:45	4843	M Ramosomana,M Kene
4845		Position the jack holders,jacks and pads,then secure in place	0.5 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:15	4844	M Ramosomana,M Kene
4846		Lift calciner with 100T jacks	0.25 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:30	4845	G Moeseraela,K Gabantogele,T Moloi,M
4847		Lift the roller frame using the adjusting bolts	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	4846	G Moeseraela,K Gabantogele,T Moloi,M
4848		Remove the support for the pin	6 hrs	Sun 07/05/23 13:45	Mon 08/05/23 08:45	4847	M Ramosomana,M Kene
4849		Slide the craddle in position and attach the roller frame to it	6 hrs	Mon 08/05/23 08:45	Mon 08/05/23 15:15	4848	M Ramosomana,M Kene
4850		Support the craddle using the spreader beam	6 hrs	Mon 08/05/23 15:15	Tue 09/05/23 10:15	4849	M Ramosomana,M Kene
4851		Remove the pin locking device(clamp)	6 hrs	Tue 09/05/23 10:15	Tue 09/05/23 16:45	4850	M Ramosomana,M Kene
4852		Loosen the adjusting bolts to create the gap between the tyre and roller	0.5 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:15	4851	M Ramosomana,M Kene
4853		Anchor the chain block and support the pin,then remove the pin	0.5 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:45	4852	M Ramosomana,M Kene
4854		Lift the craddle to remove the roller frame and place it on a suitable place	4.25 hrs	Tue 09/05/23 17:45	Wed 10/05/23 11:00	4853	G Moeseraela,K Gabantogele,T Moloi,M
4855		Remove the holding down clamps and a locking plate	0.25 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:15	4854	M Ramosomana,M Kene
4856		Lift the roller and remove it	0.25 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:30	4855	G Moeseraela,K Gabantogele,T Moloi,M
4857		Clean thoroughly,inspect the housing for wear and debur accordinly	0.75 hrs	Wed 10/05/23 11:30	Wed 10/05/23 12:45	4856	M Ramosomana,M Kene
4858		Clean the new roller and prepare for assembling	0.75 hrs	Wed 10/05/23 12:45	Wed 10/05/23 13:30	4857	M Ramosomana,M Kene
4859		Lift the new rollers and position them such that flat spot is aligned with the frar	0.25 hrs	Wed 10/05/23 13:30	Wed 10/05/23 13:45	4858	G Moeseraela,K Gabantogele,T Moloi,M

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4860		Replace the holding down clamps and lock them	0.25 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:00	4859	M Ramosomana,M Kene
4861		Lift the craddle,slide it in position and align the holes(pin hole)	0.25 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:15	4860	G Moeseraela,K Gabantogele,T Moloi,M
4862		Position the pin bushes in the housing	2 hrs	Wed 10/05/23 14:15	Wed 10/05/23 16:15	4861	M Ramosomana,M Kene
4863		Anchor the chain block and support the pin.	2 hrs	Wed 10/05/23 16:15	Thu 11/05/23 07:15	4862	M Ramosomana,M Kene
4864		Align the pin with holes and slide it into position and lock it	0.25 hrs	Thu 11/05/23 07:15	Thu 11/05/23 07:30	4863	M Ramosomana,M Kene
4865		Remove the chain block,hoist down the cradle and remove the spreader beam	4 hrs	Thu 11/05/23 07:30	Thu 11/05/23 11:30	4864	M Ramosomana,M Kene
4866		Install pin support frame,then adjust it to the correct position and secure	0.25 hrs	Thu 11/05/23 11:30	Thu 11/05/23 11:45	4865	M Ramosomana,M Kene
4867		Carefully lower the calciner and remove the pads	1 hr	Thu 11/05/23 11:45	Thu 11/05/23 13:15	4866	M Ramosomana,M Kene
4868		Remove the jacks and holders,then scew back the bolts in position	0.5 hrs	Thu 11/05/23 13:15	Thu 11/05/23 13:45	4867	M Ramosomana,M Kene
4869		Replace guards and secure them	0.5 hrs	Thu 11/05/23 13:45	Thu 11/05/23 14:15	4868	M Ramosomana,M Kene
4870		Re connect lube oil pipes	1.5 hrs	Thu 11/05/23 14:15	Thu 11/05/23 15:45	4869	M Ramosomana,M Kene
4871		Carry out house keeping	1 hr	Thu 11/05/23 15:45	Thu 11/05/23 16:45	4870	M Ramosomana,M Kene
4872		Clear the permit	0.25 hrs	Thu 11/05/23 16:45	Thu 11/05/23 17:00	4871	M Ramosomana,M Kene
4873	**29A2GR01**	**# A CALCINER - Inspect and replace inlet & outlet Deva Segments & Wear Plates**	**95.75 hrs**	**Fri 05/05/23 07:45**	**Sun 14/05/23 09:00**	**4835**	
4874		Erect Platform At The Inlet End (Prior)	0 hrs	Fri 05/05/23 07:45	Fri 05/05/23 07:45		G Moeseraela,T Moloi,K Gabantogele
4875		Make out permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	4874	Operations
4876		Conduct risk accessment	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	4875	M Ramosomana,M Kene
4877		Cut Out Bolts On Inlet End	8 hrs	Fri 05/05/23 08:15	Fri 05/05/23 16:45	4876	M Ramatlhakeng,S Monna
4878		Remove And Replace Deva Segments Inlet End	12 hrs	Fri 05/05/23 16:45	Sun 07/05/23 07:15	4877	M Ramosomana,M Kene
4879		Replace Wear Plates Inlet End	12 hrs	Sun 07/05/23 07:15	Mon 08/05/23 08:45	4878	M Ramosomana,M Kene
4880		Replace PTFE Segments	12 hrs	Mon 08/05/23 08:45	Tue 09/05/23 10:15	4879	M Ramosomana,M Kene
4881		Cut Off Bolts On Discharge End (Stainless Steel)	3 hrs	Tue 09/05/23 10:15	Tue 09/05/23 13:45	4880	M Ramatlhakeng,S Monna
4882		Remove And Replace Inner Deva Segments Discharge End	12 hrs	Tue 09/05/23 13:45	Wed 10/05/23 15:15	4881	M Ramosomana,M Kene
4883		Remove And Replace Inner Wear Plates Discharge End	12 hrs	Wed 10/05/23 15:15	Thu 11/05/23 16:45	4882	M Ramosomana,M Kene
4884		Remove And Replace Outer Deva Segments Discharge End	12 hrs	Thu 11/05/23 16:45	Sat 13/05/23 07:15	4883	M Ramosomana,M Kene
4885		Remove And Replace Outer Wear Plates Discharge End	12 hrs	Sat 13/05/23 07:15	Sun 14/05/23 08:45	4884	M Ramosomana,M Kene
4886		Clear Permit	0.25 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:00	4885	M Ramosomana,M Kene
4887	**29A2RM01**	**# A BICARBONATE STAR FEEDER - Remove And Overhaul**	**36.25 hrs**	**Wed 03/05/23 06:30**	**Sat 06/05/23 11:45**		
4888		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
4889		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	4888	M Ramosomana,M Kene
4890		Carry Out Risk Assessment	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	4889	Operations,G Moeseraela,K Gabantoge
4891		Isolate And Lock Out	0.25 hrs	Wed 03/05/23 07:30	Wed 03/05/23 07:45	4890	Operations
4892		Remove The Geared Unit	1 hr	Wed 03/05/23 07:45	Wed 03/05/23 08:45	4891	G Moeseraela,K Gabantogele,T Moloi,M
4893		Remove All Mounting Bolts	1 hr	Wed 03/05/23 08:45	Wed 03/05/23 09:45	4892	M Ramosomana,M Kene
4894		Rig Out The Star Feeder	2 hrs	Wed 03/05/23 09:45	Wed 03/05/23 11:45	4893	G Moeseraela,T Moloi,K Gabantogele
4895		Transport To The Workshop	0.5 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:45	4894	G Moeseraela,K Gabantogele,T Moloi,M
4896		Overhaul The Star Feeder	24 hrs	Wed 03/05/23 12:45	Fri 05/05/23 15:45	4895	M Ramosomana,M Kene
4897		Transport To The Plant For Installation	0.5 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:15	4896	G Moeseraela,K Gabantogele,T Moloi,M
4898		Install And Secure The Star Feeder And Ancillaries	6 hrs	Fri 05/05/23 16:15	Sat 06/05/23 11:15	4897	G Moeseraela,K Gabantogele,T Moloi,M
4899		Carry Out House Keeping	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	4898	G Moeseraela,K Gabantogele,T Moloi,L
4900		Clear Permit	0.25 hrs	Sat 06/05/23 11:30	Sat 06/05/23 11:45	4899	M Ramosomana,M Kene
4901	**29A2GL01**	**# A DOUBLE SHAFT MIXER - Carry Out Inspection on screws**	**36.25 hrs**	**Fri 05/05/23 07:45**	**Mon 08/05/23 13:00**	**4835**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4902		Make Out Permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		Operations
4903		Accept Permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	4902	M Ramosomana,M Kene
4904		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	4903	M Ramosomana,M Kene
4905		Open The Manhole Cover	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	4904	M Ramosomana,M Kene
4906		Perform Gas Test	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	4905	Lab
4907		Enter And Inspect The Screw For Craks,Physical Damage And Deformation(Crack Test To Be Done Using The Dye Penetrant Method)	2 hrs	Fri 05/05/23 09:15	Fri 05/05/23 11:15	4906	M Ramosomana,M Kene,M Ramatlhakeng,S Monna
4908		Check If All Bolts Are In A Proper Position And Not Worn Out Or Brocken(Paddles,Flange And Pedestal Mouting Bolts)	3 hrs	Fri 05/05/23 11:15	Fri 05/05/23 14:45	4907	M Ramosomana,M Kene,M Ramatlhakeng,S Monna
4909		Check Deva Bearings For Physical Damage,Wear And Change If Necessary	2 hrs	Fri 05/05/23 14:45	Fri 05/05/23 16:45	4908	M Ramosomana,M Kene
4910		Confirm Clearances Between The Journal And The Bearing(0.5Mm)	2 hrs	Fri 05/05/23 16:45	Sat 06/05/23 07:45	4909	M Ramosomana,M Kene
4911		Disconnect Lube Pipes And Check Pipes For Blockages	2 hrs	Sat 06/05/23 07:45	Sat 06/05/23 09:45	4910	M Ramosomana,M Kene
4912		Clean The Oil Gallery And Blow With Compressed Air	0.5 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:15	4911	M Ramosomana,M Kene
4913		Connect The Manual Pump To The Supply Port	0.25 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:30	4912	M Ramosomana,M Kene
4914		Pump Oil Manually And Check If It Flows Out From The Other End,Then Reconnect The Pipes And Pump Again To See If It Will Flow Through The	2 hrs	Sat 06/05/23 10:30	Sat 06/05/23 13:00	4913	M Ramosomana,M Kene
4915		Normalize And Box Up If Ok Or Continue As Follows	1 hr	Sat 06/05/23 13:00	Sat 06/05/23 14:00	4914	M Ramosomana,M Kene
4916		Secure The Shafts Using Chain Block	0.5 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:30	4915	M Ramosomana,M Kene,G Moeseraela
4917		Cut The Securing Bolts And Remove The Bottom Shell(Intermediate Shaft)	3 hrs	Sat 06/05/23 14:30	Sat 06/05/23 17:30	4916	G Moeseraela,T Moloi,M Ramatlhakeng
4918		Lower The Shaft To Enable Easy Removal Of The Top Bearing Halves	2 hrs	Sat 06/05/23 17:30	Sun 07/05/23 08:30	4917	M Ramosomana,M Kene
4919		Install New Bearing Halves(Top Bearing)	2 hrs	Sun 07/05/23 08:30	Sun 07/05/23 10:30	4918	M Ramosomana,M Kene
4920		Lift The Shaft(Care Should Be Taken Not To Break The Top Bearing Half.Allow For A 1Mm Clearance	0.5 hrs	Sun 07/05/23 10:30	Sun 07/05/23 11:00	4919	M Ramosomana,M Kene
4921		Position The Bearing Halves On The Bottom Shell And Align Oil Galleries And Mount It,Then Secure With Bolts And Nuts	1 hr	Sun 07/05/23 11:00	Sun 07/05/23 12:00	4920	M Ramosomana,M Kene
4922		Place A 3Mm Shim Between The Shells And Secure Accordingly	1 hr	Sun 07/05/23 12:30	Sun 07/05/23 13:30	4921	M Ramosomana,M Kene
4923		Support The Screw To Allow Easy Removal Of The Inner Bearing	0.5 hrs	Sun 07/05/23 13:30	Sun 07/05/23 14:00	4922	M Ramosomana,M Kene
4924		Disconnect Lube Pipe,Cut The Bolts And Remove Bearing Assembly	2 hrs	Sun 07/05/23 14:00	Sun 07/05/23 16:00	4923	M Ramosomana,M Kene,G Moeseraela
4925		Inspect The Stub,Remove And Recondition If Worn Out	2 hrs	Sun 07/05/23 16:00	Sun 07/05/23 18:00	4924	M Ramosomana,M Kene,G Moeseraela
4926		Loosen The Locking Bolt And Remove The Deva Brng From Housing	1 hr	Mon 08/05/23 07:00	Mon 08/05/23 08:00	4925	M Ramosomana,M Kene
4927		Install Pedestal,New Deva Bearing And Secure	1 hr	Mon 08/05/23 08:00	Mon 08/05/23 09:00	4926	M Ramosomana,M Kene
4928		Repeat Step 11,12 & 13 And Connect Lube Pipes	1 hr	Mon 08/05/23 09:00	Mon 08/05/23 10:00	4927	M Ramosomana,M Kene
4929		Weld All Nuts To Lock Them	1 hr	Mon 08/05/23 10:00	Mon 08/05/23 11:00	4928	M Ramosomana,M Kene,M Ramatlhake
4930		Carry Out Housekeeping And Sign Off The Permit	0.5 hrs	Mon 08/05/23 11:00	Mon 08/05/23 11:30	4929	M Ramosomana,M Kene
4931		Obtain The Test Run Permit,Run And Oberve All Parameters	0.25 hrs	Mon 08/05/23 11:30	Mon 08/05/23 11:45	4930	M Ramosomana,M Kene
4932		Stop And Box Up The Covers,Then Sign Off The Test Permit	0.5 hrs	Mon 08/05/23 11:45	Mon 08/05/23 12:45	4931	M Ramosomana,M Kene
4933		Clear The Permit	0.25 hrs	Mon 08/05/23 12:45	Mon 08/05/23 13:00	4932	M Ramosomana,M Kene
4934	**29A2GL01**	**# A DOUBLE SHAFT MIXER - Weld Housing And Inspect Deva Bearings**	**171 hrs**	**Fri 05/05/23 07:45**	**Sun 21/05/23 10:45**	**4835**	
4935		Prepare replacement patches prior	0 hrs	Fri 05/05/23 07:45	Fri 05/05/23 07:45		
4936		Make Out Permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	4935	Operations
4937		Accept Permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	4936	M Ramosomana,M Kene
4938		Carry out risk assesment	0.5 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:45	4937	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4939		Remove guards	0.25 hrs	Fri 05/05/23 08:45	Fri 05/05/23 09:00	4938	M Ramosomana,M Kene
4940		Remove Vee belts	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	4939	M Ramosomana,M Kene
4941		Undo gearbox mounting bolts	2.5 hrs	Fri 05/05/23 09:15	Fri 05/05/23 11:45	4940	M Ramosomana,M Kene
4942		Cut coupling bolts	0.5 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:45	4941	P Dara
4943		Rig out gearbox	2.5 hrs	Fri 05/05/23 12:45	Fri 05/05/23 15:15	4942	Crane,G Moeseraela,K Gabantogele,T M
4944		Remove the coupling from shafts	5 hrs	Fri 05/05/23 15:15	Sat 06/05/23 09:15	4943	M Ramosomana,M Kene,M Ramatlhake
4945		Remove bearings	1.5 hrs	Sat 06/05/23 09:15	Sat 06/05/23 10:45	4944	M Ramosomana,M Kene
4946		Undo side cover bolts	1.5 hrs	Sat 06/05/23 10:45	Sat 06/05/23 12:45	4945	M Ramosomana,M Kene
4947		Rig out the side cover	1.5 hrs	Sat 06/05/23 12:45	Sat 06/05/23 14:15	4946	Crane,G Moeseraela,K Gabantogele,T M
4948		Rig out the shafts	6 hrs	Sat 06/05/23 14:15	Sun 07/05/23 09:15	4947	Crane,G Moeseraela,K Gabantogele,T M
4949		Remove lagging	1.5 hrs	Sun 07/05/23 09:15	Sun 07/05/23 10:45	4948	M Ramosomana,M Kene
4950		Secure the bottom casing with chain blocks	2 hrs	Sun 07/05/23 10:45	Sun 07/05/23 13:15	4949	G Moeseraela,K Gabantogele,T Moloi
4951		Cut off the bottom half casing	12 hrs	Sun 07/05/23 13:15	Mon 08/05/23 14:45	4950	S Monna,M Ramatlhakeng
4952		Rig out worn out half casing	4 hrs	Mon 08/05/23 14:45	Tue 09/05/23 07:45	4951	Crane,G Moeseraela,K Gabantogele,T M
4953		Rig in replacement half patch	4 hrs	Thu 11/05/23 09:30	Thu 11/05/23 14:00	4952,5201	Crane,G Moeseraela,K Gabantogele,T M
4954		Align and tack weld	8 hrs	Thu 11/05/23 14:00	Fri 12/05/23 11:00	4953	S Monna,M Ramatlhakeng
4955		Cut off the second bottom half casing	12 hrs	Fri 12/05/23 11:00	Sat 13/05/23 13:00	4954	S Monna,M Ramatlhakeng
4956		Rig out worn out half casing	4 hrs	Sat 13/05/23 13:00	Sat 13/05/23 17:00	4955	Crane,G Moeseraela,K Gabantogele,T M
4957		Rig in replacement half patch	4 hrs	Sat 13/05/23 17:00	Sun 14/05/23 10:00	4956	Crane,G Moeseraela,K Gabantogele,T M
4958		Align and tack weld	6 hrs	Sun 14/05/23 10:00	Sun 14/05/23 16:30	4957	S Monna,M Ramatlhakeng
4959		Full welding	48 hrs	Sun 14/05/23 16:30	Fri 19/05/23 11:30	4958	S Monna,M Ramatlhakeng
4960		Test welds	1 hr	Fri 19/05/23 11:30	Fri 19/05/23 13:00	4959	Inspector
4961		Rig in the shafts	6 hrs	Fri 19/05/23 13:00	Sat 20/05/23 08:00	4960	Crane,G Moeseraela,K Gabantogele,T M
4962		Install side cover	2 hrs	Sat 20/05/23 08:00	Sat 20/05/23 10:00	4961	M Ramosomana,M Kene
4963		Install bearings	2 hrs	Sat 20/05/23 10:00	Sat 20/05/23 12:00	4962	M Ramosomana,M Kene
4964		Install couplings	4 hrs	Sat 20/05/23 12:30	Sat 20/05/23 16:30	4963	M Ramosomana,M Kene
4965		Rig in gearbox	2 hrs	Sat 20/05/23 16:30	Sun 21/05/23 07:30	4964	Crane,G Moeseraela,K Gabantogele,T M
4966		Couple gearbox with shafts	1 hr	Sun 21/05/23 07:30	Sun 21/05/23 08:30	4965	M Ramosomana,M Kene
4967		Install vee belts	0.5 hrs	Sun 21/05/23 08:30	Sun 21/05/23 09:00	4966	M Ramosomana,M Kene
4968		Install guards	0.5 hrs	Sun 21/05/23 09:00	Sun 21/05/23 09:30	4967	M Ramosomana,M Kene
4969		Housekeeping	1 hr	Sun 21/05/23 09:30	Sun 21/05/23 10:30	4968	M Ramosomana,M Kene,M Ramatlhake
4970		Clear Permit	0.25 hrs	Sun 21/05/23 10:30	Sun 21/05/23 10:45	4969	M Ramosomana,M Kene
4971	**29A2GL01**	**# A DOUBLE SHAFT MIXER - Replace couplings**	**33.5 hrs**	**Mon 08/05/23 13:00**	**Thu 11/05/23 15:00**	**4901**	
4972		Make out permit	33.5 hrs	Mon 08/05/23 13:00	Tue 09/05/23 22:30		Operations
4973		Accept permit	0.25 hrs	Mon 08/05/23 13:00	Mon 08/05/23 13:15		M Ramosomana,M Kene
4974		Remove guard	0.5 hrs	Mon 08/05/23 13:15	Mon 08/05/23 13:45	4973	M Ramosomana,M Kene
4975		Uncouple motor/gearbox	1.5 hrs	Mon 08/05/23 13:45	Mon 08/05/23 15:15	4974	M Ramosomana,M Kene
4976		Remove gearbox mounting bolts	2 hrs	Mon 08/05/23 15:15	Mon 08/05/23 17:15	4975	Lab
4977		Remove output shaft coupling bolts	3 hrs	Mon 08/05/23 17:15	Tue 09/05/23 09:15	4976	M Ramatlhakeng,S Monna,M Ramosom
4978		Rig out gearbox	2 hrs	Tue 09/05/23 09:15	Tue 09/05/23 11:15	4977	G Moeseraela,T Moloi,M Ramosomana
4979		Cut coupling bolts	2 hrs	Tue 09/05/23 11:15	Tue 09/05/23 13:45	4978	M Ramosomana,M Kene
4980		Remove half coupling	4 hrs	Tue 09/05/23 13:45	Tue 09/05/23 17:45	4979	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4981		Clean shafts	1.5 hrs	Tue 09/05/23 17:45	Wed 10/05/23 08:15	4980	M Ramosomana,M Kene
4982		Fit couplings onto the screws and gearbox	6 hrs	Wed 10/05/23 08:15	Wed 10/05/23 14:45	4981	M Ramosomana,M Kene
4983		Rig in and Re-mount gearbox	2 hrs	Wed 10/05/23 14:45	Wed 10/05/23 16:45	4982	G Moeseraela,T Moloi,K Gabantogele,M
4984		Couple gearbox and screws	4 hrs	Wed 10/05/23 16:45	Thu 11/05/23 09:45	4983	M Ramosomana,M Kene
4985		Couple gearbox / motor	2 hrs	Thu 11/05/23 09:45	Thu 11/05/23 11:45	4984	M Ramosomana,M Kene,G Moeseraela
4986		Check alignment	1 hr	Thu 11/05/23 11:45	Thu 11/05/23 13:15	4985	M Ramosomana,M Kene
4987		Test run	0.5 hrs	Thu 11/05/23 13:15	Thu 11/05/23 13:45	4986	M Ramosomana,M Kene
4988		Replace guard	1 hr	Thu 11/05/23 13:45	Thu 11/05/23 14:45	4987	M Ramosomana,M Kene
4989		Clear permit	0.25 hrs	Thu 11/05/23 14:45	Thu 11/05/23 15:00	4988	M Ramosomana,M Kene
4990	**29A2GL01**	**# A DOUBLE SHAFT MIXER - Drain, flush gearbox oil and replace vee belts**	**26.75 hrs**	**Thu 11/05/23 15:00**	**Sun 14/05/23 09:45**	**4971**	
4991		Clean (prior)	0 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:00		Operations
4992		Make out permit	0.25 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:15	4991	Operations
4993		Accept permit	0.25 hrs	Thu 11/05/23 15:15	Thu 11/05/23 15:30	4992	M Ramosomana,M Kene
4994		Carry out risk assement	0.25 hrs	Thu 11/05/23 15:30	Thu 11/05/23 15:45	4993	M Ramosomana,M Kene
4995		Open inspection covers	1 hr	Thu 11/05/23 15:45	Thu 11/05/23 16:45	4994	M Ramatlhakeng,S Monna,M_Crane35T
4996		Inspect gears	0.5 hrs	Thu 11/05/23 16:45	Thu 11/05/23 17:15	4995	M Ramosomana,M Kene
4997		Strip gearbox	10 hrs	Thu 11/05/23 17:15	Fri 12/05/23 16:45	4996	M Ramosomana,M Kene
4998		Replace worn out parts	10 hrs	Fri 12/05/23 16:45	Sat 13/05/23 16:15	4997	M Ramosomana,M Kene
4999		Drain oil and refill	1 hr	Sat 13/05/23 16:15	Sat 13/05/23 17:15	4998	M Ramosomana,M Kene
5000		Inspect output shaft bearings	1 hr	Sat 13/05/23 17:15	Sun 14/05/23 07:15	4999	M Ramosomana,M Kene
5001		Inspect v-belts & replace if necessary	1 hr	Sun 14/05/23 07:15	Sun 14/05/23 08:15	5000	M Ramosomana,M Kene
5002		Replace v-belt guards	1 hr	Sun 14/05/23 08:15	Sun 14/05/23 09:15	5001	M-Crane 7Ton,M Ramatlhakeng,S Mon
5003		House keeping	0.25 hrs	Sun 14/05/23 09:15	Sun 14/05/23 09:30	5002	M Ramosomana,M Kene
5004		Clear permit	0.25 hrs	Sun 14/05/23 09:30	Sun 14/05/23 09:45	5003	Operations
5005	**29A2GR01**	**# A CALCINER - Repair Trunnion Roller guards**	**16.5 hrs**	**Sun 14/05/23 09:00**	**Mon 15/05/23 15:30**	**4873**	
5006		Make out permit	0.25 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:15		M Ramosomana,M Kene
5007		Accept permit	0.25 hrs	Sun 14/05/23 09:15	Sun 14/05/23 09:30	5006	M Ramosomana,M Kene
5008		Repair/Refurbish guards	10 hrs	Sun 14/05/23 09:30	Mon 15/05/23 09:00	5007	M Ramosomana,M Kene
5009		Curing time	6 hrs	Mon 15/05/23 09:00	Mon 15/05/23 15:00	5008	
5010		House keeping	0.25 hrs	Mon 15/05/23 15:00	Mon 15/05/23 15:15	5009	M Ramosomana,M Kene
5011		Clear permit	0.25 hrs	Mon 15/05/23 15:15	Mon 15/05/23 15:30	5010	M Ramosomana,M Kene
5012	**29A2GR01**	**# A CALCINER - Replace replace All Calciner Belows (2 off)**	**39 hrs**	**Sun 14/05/23 09:45**	**Wed 17/05/23 17:45**	**4990**	
5013		Make out permt	0.25 hrs	Sun 14/05/23 09:45	Sun 14/05/23 10:00		Operations
5014		Accept permit	0.25 hrs	Sun 14/05/23 10:00	Sun 14/05/23 10:15	5013	M Ramosomana,M Kene
5015		Loosen all bolts	8 hrs	Sun 14/05/23 10:15	Mon 15/05/23 07:45	5014	M Ramosomana,M Kene
5016		Remove old bellow	6 hrs	Mon 15/05/23 07:45	Mon 15/05/23 14:15	5015	M Ramosomana,M Kene
5017		Make holes on new bellow	6 hrs	Mon 15/05/23 14:15	Tue 16/05/23 09:15	5016	M Ramosomana,M Kene
5018		Install new bellow	4 hrs	Tue 16/05/23 09:15	Tue 16/05/23 13:45	5017	M Ramosomana,M Kene
5019		Tighten all bolts	8 hrs	Tue 16/05/23 13:45	Wed 17/05/23 10:45	5018	M Ramosomana,M Kene
5020		Box up	6 hrs	Wed 17/05/23 10:45	Wed 17/05/23 17:15	5019	M Ramosomana,M Kene
5021		House keeping	0.25 hrs	Wed 17/05/23 17:15	Wed 17/05/23 17:30	5020	M Ramosomana,M Kene
5022		Clear permit	0.25 hrs	Wed 17/05/23 17:30	Wed 17/05/23 17:45	5021	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5023	**29A2GR01**	**# A CALCINER - Replace Vent Valves (3 off)**	**8 hrs**	**Wed 17/05/23 17:45**	**Thu 18/05/23 15:15**	**5012**	
5024		Make out permit	0.25 hrs	Wed 17/05/23 17:45	Wed 17/05/23 18:00		Operations
5025		Accept permit	0.25 hrs	Thu 18/05/23 07:00	Thu 18/05/23 07:15	5024	M Ramosomana,M Kene
5026		Loosen all bolts	2.5 hrs	Thu 18/05/23 07:15	Thu 18/05/23 09:45	5025	M Ramosomana,M Kene
5027		Remove old valves and pipes for modification	1 hr	Thu 18/05/23 09:45	Thu 18/05/23 10:45	5026	M Ramosomana,M Kene
5028		Clean flange faces	1 hr	Thu 18/05/23 10:45	Thu 18/05/23 11:45	5027	M Ramosomana,M Kene
5029		Install new valves and new gasket	1 hr	Thu 18/05/23 11:45	Thu 18/05/23 13:15	5028	M Ramosomana,M Kene
5030		Tighten all bolts	1 hr	Thu 18/05/23 13:15	Thu 18/05/23 14:15	5029	M Ramosomana,M Kene
5031		Box up	0.5 hrs	Thu 18/05/23 14:15	Thu 18/05/23 14:45	5030	M Ramosomana,M Kene
5032		House keeping	0.25 hrs	Thu 18/05/23 14:45	Thu 18/05/23 15:00	5031	M Ramosomana,M Kene
5033		Clear permit	0.25 hrs	Thu 18/05/23 15:00	Thu 18/05/23 15:15	5032	M Ramosomana,M Kene
5034	**29A2GR01**	**# A CALCINER - Drain, Flush And Refill Calciner Gear/Pinion Reservoir**	**8.25 hrs**	**Thu 18/05/23 15:15**	**Fri 19/05/23 13:00**	**5023**	
5035		Make Out Permit	0.25 hrs	Thu 18/05/23 15:15	Thu 18/05/23 15:30		Operations
5036		Accept Permit	0.25 hrs	Thu 18/05/23 15:30	Thu 18/05/23 15:45	5035	M Ramosomana,M Kene
5037		Drain, Flush Calciner Gear/Pinion Reservoir	4 hrs	Thu 18/05/23 15:45	Fri 19/05/23 08:45	5036	M Ramosomana,M Kene
5038		Refill With New Oil	0.5 hrs	Fri 19/05/23 08:45	Fri 19/05/23 09:15	5037	M Ramosomana,M Kene
5039		Grease Equipment As Required	3 hrs	Fri 19/05/23 09:15	Fri 19/05/23 12:45	5038	M Ramosomana,M Kene
5040		Clear Permit	0.25 hrs	Fri 19/05/23 12:45	Fri 19/05/23 13:00	5039	M Ramosomana,M Kene
5041	**29A2GR01**	**# A CALCINER - Overhaul Calciner Air Cylinders**	**42.5 hrs**	**Fri 05/05/23 07:45**	**Tue 09/05/23 08:15**	**4835**	
5042		Make Out Permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		Operations
5043		Accept Permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5042	M Ramosomana,M Kene
5044		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	5043	M Ramosomana,M Kene
5045		Close Or Isolate Air To The Cylinders	2 hrs	Fri 05/05/23 08:30	Fri 05/05/23 10:30	5044	M Ramosomana,M Kene
5046		Disconnect The All Air Pipes	4 hrs	Fri 05/05/23 10:30	Fri 05/05/23 15:00	5045	M Ramosomana,M Kene
5047		Remove Anchor Bolts And Cylinders	2 hrs	Fri 05/05/23 15:00	Fri 05/05/23 17:00	5046	M Ramosomana,M Kene
5048		Transport Cylinders To The Workshop	0.5 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:30	5047	M Ramosomana,M Kene
5049		Open, Inspect And Replace Damaged Parts(Piston Rings, Seals And Springs) 8 Off Then Close	20 hrs	Fri 05/05/23 17:30	Sun 07/05/23 16:30	5048	M Ramosomana,M Kene
5050		Transport Cylinders Back To Plant	0.5 hrs	Sun 07/05/23 16:30	Sun 07/05/23 17:00	5049	M Ramosomana,M Kene
5051		Reinstall In Position And Secure	8 hrs	Sun 07/05/23 17:00	Mon 08/05/23 14:30	5050	M Ramosomana,M Kene
5052		Connect Air Pipes,Open Air To Cylinders And Check For Leaks	4 hrs	Mon 08/05/23 14:30	Tue 09/05/23 07:30	5051	M Ramosomana,M Kene
5053		Carry Out Housekeeping	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	5052	M Ramosomana,M Kene
5054		Sign Off The Permit	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	5053	M Ramosomana,M Kene
5055		Clear Permit	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	5054	M Ramosomana,M Kene
5056	**29A2GR01**	**# A CALCINER - Inspect Teeth On The Girth And Pinion Gears And Tyre**	**56.5 hrs**	**Mon 15/05/23 15:30**	**Sun 21/05/23 08:30**	**5005**	
5057		Make Out Permit	0.25 hrs	Mon 15/05/23 15:30	Mon 15/05/23 15:45		Operations
5058		Accept Permit	0.5 hrs	Mon 15/05/23 15:45	Mon 15/05/23 16:15	5057	M Ramosomana,M Kene
5059		Remove Guards	3 hrs	Mon 15/05/23 16:15	Tue 16/05/23 08:15	5058	G Moeseraela,T Moloi,K Gabantogele,M
5060		Clean Grease On Girthgear Teeth And The Tyre	3 hrs	Tue 16/05/23 08:15	Tue 16/05/23 11:15	5059	M Ramosomana,M Kene
5061		Mark The First Teeth,Rotate Calciner And Dress One Teeth After Another	24 hrs	Tue 16/05/23 11:15	Thu 18/05/23 14:45	5060	Furmanite,M Ramosomana,M Kene
5062		Simulteneously Dress The Tyre	24 hrs	Thu 18/05/23 14:45	Sat 20/05/23 17:45	5061	Furmanite
5063		Replace Guards	1.5 hrs	Sat 20/05/23 17:45	Sun 21/05/23 08:15	5062	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5064		Clear Permit	0.25 hrs	Sun 21/05/23 08:15	Sun 21/05/23 08:30	5063	M Ramosomana,M Kene
5065	**29A2GR01**	**# A CALCINER MAIN DRIVE GEARBOX - Carry Out Inspection And Service**	**38.5 hrs**	**Wed 03/05/23 06:30**	**Sat 06/05/23 14:30**		
5066		Clean (prior)	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		Operations
5067		Make out permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45	5066	Operations
5068		Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	5067	M Ramosomana,M Kene
5069		Carry out risk assement	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	5068	M Ramosomana,M Kene
5070		Open inspection covers	1 hr	Wed 03/05/23 07:30	Wed 03/05/23 08:30	5069	M Ramatlhakeng,S Monna,M_Crane35
5071		Drain oil	1 hr	Wed 03/05/23 08:30	Wed 03/05/23 09:30	5070	M Ramosomana,M Kene
5072		Inspect gears	0.5 hrs	Wed 03/05/23 09:30	Wed 03/05/23 10:00	5071	M Ramosomana,M Kene
5073		If not in good condion,	0 hrs	Wed 03/05/23 10:00	Wed 03/05/23 10:00	5072	M Ramosomana,M Kene
5074		Strip gearbox	12 hrs	Wed 03/05/23 10:00	Thu 04/05/23 11:30	5073	M Ramosomana,M Kene
5075		replace worn out parts	10 hrs	Thu 04/05/23 11:30	Fri 05/05/23 11:00	5074	M Ramosomana,M Kene
5076		Inspect coupling	1 hr	Fri 05/05/23 11:00	Fri 05/05/23 12:00	5075	M Ramosomana,M Kene
5077		replace coupling bushes & pins	3 hrs	Fri 05/05/23 12:30	Fri 05/05/23 15:30	5076	M Ramosomana,M Kene
5078		Inspect output shaft bearings	2 hrs	Fri 05/05/23 15:30	Fri 05/05/23 17:30	5077	M Ramosomana,M Kene
5079		Inspect v-belts and pulleys	2 hrs	Fri 05/05/23 17:30	Sat 06/05/23 08:30	5078	M Ramosomana,M Kene
5080		Possibly replace worn out pulleys and drive belts	3 hrs	Sat 06/05/23 08:30	Sat 06/05/23 11:30	5079	
5081		Replace v-belt guards	1 hr	Sat 06/05/23 11:30	Sat 06/05/23 13:00	5080	M-Crane 7Ton,M Ramatlhakeng,S Mon
5082		Refill oil	1 hr	Sat 06/05/23 13:00	Sat 06/05/23 14:00	5081	
5083		House keeping	0.25 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:15	5082	M Ramosomana,M Kene
5084		Clear permit	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	5083	Operations
5085	**29A2GR01**	**# A CALCINER (STEAM HEAD) - Repack glands**	**9.25 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 16:45**		
5086		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
5087		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	5086	M Kene,O Dintle
5088		Carry Out Risk Assesment	0.5 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:45	5087	M Kene,O Dintle
5089		Isolate And Lock Out	0.25 hrs	Wed 03/05/23 07:45	Wed 03/05/23 08:00	5088	Operations,O Dintle
5090		Repack glands	3 hrs	Wed 03/05/23 08:00	Wed 03/05/23 11:00	5089	M Kene,O Dintle
5091		Loosen flange bolts	2 hrs	Wed 03/05/23 11:00	Wed 03/05/23 13:30	5090	M Kene,O Dintle
5092		Remove leaking gasket and install new gasket	0.5 hrs	Wed 03/05/23 13:30	Wed 03/05/23 14:00	5091	M Kene,O Dintle
5093		Tighten flange bolts	2 hrs	Wed 03/05/23 14:00	Wed 03/05/23 16:00	5092	M Kene,O Dintle
5094		Carry Out Housekeeping	0.5 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:30	5093	M Kene,O Dintle
5095		Clear Permit	0.25 hrs	Wed 03/05/23 16:30	Wed 03/05/23 16:45	5094	O Dintle,Operations
5096	**29A2RM03**	**# A DISCHARGE STAR FEEDER - Overhaul Feeder**	**25.5 hrs**	**Wed 03/05/23 06:30**	**Fri 05/05/23 11:30**		
5097		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
5098		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	5097	M Ramosomana,M Kene
5099		Carry out risk assement	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	5098	M Ramosomana,M Kene
5100		Isolate And Lock Out	0.25 hrs	Wed 03/05/23 07:30	Wed 03/05/23 07:45	5099	M Ramosomana,M Kene
5101		Carry Out Risk Assesment	0.25 hrs	Wed 03/05/23 07:45	Wed 03/05/23 08:00	5100	M Ramosomana,M Kene
5102		Remove Guard	0.25 hrs	Wed 03/05/23 08:00	Wed 03/05/23 08:15	5101	M Ramosomana,M Kene
5103		Open Side Cover And Inspect Star Feeder	2 hrs	Wed 03/05/23 08:15	Wed 03/05/23 10:15	5102	M-Crane 30Ton,G Moeseraela,T Moloi,
5104		Undo The Feeder Flanges	2 hrs	Wed 03/05/23 10:15	Wed 03/05/23 12:45	5103	M Ramosomana,M Kene
5105		Rig The Feeder Out	2 hrs	Wed 03/05/23 12:45	Wed 03/05/23 14:45	5104	G Moeseraela,T Moloi,K Gabantogele,N

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5106		Wash The Feeder Prior To Transportation To The W/Shop	2.75 hrs	Wed 03/05/23 14:45	Wed 03/05/23 17:30	5105	Operations[50%],M Ramosomana,M Ke
5107		Strip And Overhaul	8 hrs	Wed 03/05/23 17:30	Thu 04/05/23 15:00	5106	M Ramosomana,M Kene
5108		Assemble And Adjust	2 hrs	Thu 04/05/23 15:00	Thu 04/05/23 17:00	5107	M Ramosomana,M Kene
5109		Transport And Lift Into Position	1 hr	Thu 04/05/23 17:00	Thu 04/05/23 18:00	5108	M-Crane 30Ton,G Moeseraela,T Moloi,
5110		Install Star Feeder	3 hrs	Fri 05/05/23 07:00	Fri 05/05/23 10:00	5109	M-Crane 30Ton,G Moeseraela,T Moloi,
5111		Box Up	1 hr	Fri 05/05/23 10:00	Fri 05/05/23 11:00	5110	M Ramosomana,M Kene
5112		Clear Permit	0.25 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:15	5111	M Ramosomana,M Kene
5113		Test Run	0.25 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:30	5112	M Ramosomana,M Kene
5114	**29A2RF01**	**# A DISCHARGE SCREW CONVEYOR - Carry out inspection**	**25.75 hrs**	**Fri 05/05/23 11:30**	**Sun 07/05/23 16:45**	**5096**	
5115		Make Out Permit	0.25 hrs	Fri 05/05/23 11:30	Fri 05/05/23 11:45		Operations
5116		Accept Permit	0.25 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:00	5115	M Ramosomana,M Kene
5117		Remove Old Packings (Labyrinth Seal)	1.5 hrs	Fri 05/05/23 12:30	Fri 05/05/23 14:00	5116	M Ramosomana,M Kene
5118		Remove Screw	6 hrs	Fri 05/05/23 14:00	Sat 06/05/23 09:00	5117	M-Crane 30Ton,M Ramosomana,M Ker
5119		Inspect And Replace Bellow If Holed	6 hrs	Sat 06/05/23 09:00	Sat 06/05/23 15:30	5118	M Ramosomana,M Kene,M Ramatlhake
5120		Straighten Bent Flights	2 hrs	Sat 06/05/23 15:30	Sat 06/05/23 17:30	5119	M Ramosomana,M Kene,M Ramatlhake
5121		Install Screw	5 hrs	Sat 06/05/23 17:30	Sun 07/05/23 11:30	5120	M-Crane 30Ton,M Ramosomana,M Ker
5122		Open & Inspect Bearings,Clean Out & Repack	2 hrs	Sun 07/05/23 11:30	Sun 07/05/23 14:00	5121	M Ramosomana,M Kene
5123		Drain Gearbox Oil & Refill	1 hr	Sun 07/05/23 14:00	Sun 07/05/23 15:00	5122	M Ramosomana,M Kene
5124		Install New Packings	1.5 hrs	Sun 07/05/23 15:00	Sun 07/05/23 16:30	5123	M Ramosomana,M Kene
5125		Clear Permit	0.25 hrs	Sun 07/05/23 16:30	Sun 07/05/23 16:45	5124	M Ramosomana,M Kene
5126	**29A2RF01**	**# A DISCHARGE SCREW CONVEYOR - Replace rubber bellow with steel**	**21.5 hrs**	**Fri 05/05/23 07:45**	**Sun 07/05/23 08:15**	**4835**	
5127		Remove lagging prior	0 hrs	Fri 05/05/23 07:45	Fri 05/05/23 07:45		Lagging Contractor
5128		Issue Permit To Work	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	5127	Operations
5129		Accept permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5128	O Dintle
5130		Carry out risk assement	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	5129	M Ramatlhakeng,S Monna,O Dintle,M I
5131		Remove rubber bellow	6 hrs	Fri 05/05/23 08:30	Fri 05/05/23 15:00	5130	O Dintle,M Kene
5132		Modify top and bottom flanges to accommodate new bellow	4 hrs	Fri 05/05/23 15:00	Sat 06/05/23 08:00	5131	M Ramatlhakeng,S Monna
5133		Install steel bellow	8 hrs	Sat 06/05/23 08:00	Sat 06/05/23 16:30	5132	M Ramatlhakeng,S Monna,O Dintle,M I
5134		Secure bellow	2 hrs	Sat 06/05/23 16:30	Sun 07/05/23 07:30	5133	O Dintle,M Kene
5135		Carry out housekeeping	0.5 hrs	Sun 07/05/23 07:30	Sun 07/05/23 08:00	5134	M Ramatlhakeng,S Monna,O Dintle,M I
5136		Clear Permit	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15	5135	O Dintle,M Ramatlhakeng,Operations
5137	**29A2RF02**	**# A INCLINE CHAIN TROUGH CONVEYOR - Inspect & Replace Chain**	**52.75 hrs**	**Thu 11/05/23 09:45**	**Tue 16/05/23 10:00**	**5191**	
5138		Make Out Permit	0.25 hrs	Thu 11/05/23 09:45	Thu 11/05/23 10:00		Operations
5139		Accept Permit	0.25 hrs	Thu 11/05/23 10:00	Thu 11/05/23 10:15	5138	M Ramosomana,M Kene
5140		Carry Out Risk Assesment	0.25 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:30	5139	M Ramosomana,M Kene
5141		Open The Tail End Top Covers	1 hr	Thu 11/05/23 10:30	Thu 11/05/23 11:30	5140	M Ramosomana,M Kene
5142		Install decontamination controls	6 hrs	Thu 11/05/23 11:30	Thu 11/05/23 18:00	5141	Nicholas
5143		Run The Chain Conveyor To Identify Damaged Links And Mark Them	2 hrs	Thu 11/05/23 18:00	Fri 12/05/23 08:00	5142	Operations,M Ramosomana,M Kene
5144		Position A Section Of The Flights To Be Removed	0.5 hrs	Fri 12/05/23 08:00	Fri 12/05/23 08:30	5143	M Ramosomana,M Kene
5145		Isolate The Conveyor And Lock It	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45	5144	Operations
5146		Lift The Counter Weight To Slack The Chain	0.5 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:15	5145	G Moeseraela,T Moloi,K Gabantogele
5147		Perform Crack Test Using Dye Penetrant Method On The Links 0.25/Link X 422	2 hrs	Fri 12/05/23 09:15	Fri 12/05/23 11:15	5146	Reliability

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5148		Cut The Pin Coller,Knock Out The Pin And Remove The Link	0.25 hrs	Fri 12/05/23 11:15	Fri 12/05/23 11:30	5147	M Ramatlhakeng,S Monna
5149		Position The Link,Insert The Pin And Lock It By Welding	0.25 hrs	Fri 12/05/23 11:30	Fri 12/05/23 11:45	5148	M Ramosomana,M Kene
5150		Drop The Counterweight	0.25 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:00	5149	G Moeseraela,T Moloi,K Gabantogele
5151		De Isolate The Chain And Run It To Position The Next Batch Of Links To Be Removed	0.5 hrs	Fri 12/05/23 12:00	Fri 12/05/23 12:30	5150	Operations
5152		Repeat Steps,7,8,9,10,11 ,12 And 13 Untill Completion	11.5 hrs	Fri 12/05/23 12:30	Sat 13/05/23 10:30	5151	Operations,M Ramosomana,M Kene,G
5153		Apply Sealant And Close The Covers	1 hr	Sat 13/05/23 10:30	Sat 13/05/23 11:30	5152	M Ramosomana,M Kene
5154		Open Tail Plummer Blocks And Clean Old Grease	1 hr	Sat 13/05/23 11:30	Sat 13/05/23 13:00	5153	M Ramosomana,M Kene
5155		Inspect All The Bearings And Pack With Grease Or Change If Necessary	5 hrs	Sat 13/05/23 13:00	Sat 13/05/23 18:00	5154	M Ramosomana,M Kene
5156		Open The Drive End Bearings,Clean,Inspect,Repack And Change If Necessary	2 hrs	Sun 14/05/23 07:00	Sun 14/05/23 09:00	5155	M Ramosomana,M Kene
5157		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:30	5156	M Ramosomana,M Kene
5158		Inspect The Fluid Coupling	0.5 hrs	Sun 14/05/23 09:30	Sun 14/05/23 10:00	5157	M Ramosomana,M Kene
5159		Replace Guard	0.5 hrs	Sun 14/05/23 10:00	Sun 14/05/23 10:30	5158	M Ramosomana,M Kene
5160		Carry out decontamination protocol	12 hrs	Sun 14/05/23 10:30	Mon 15/05/23 12:00	5159	Nicholas
5161		Remove decontamination controls	6 hrs	Mon 15/05/23 12:30	Tue 16/05/23 07:30	5160	Nicholas
5162		Drain Gear Box And Refill With New Oil To The Correct Level	1.5 hrs	Tue 16/05/23 07:30	Tue 16/05/23 09:00	5161	M Ramosomana,M Kene
5163		Carry Out House Keeping	0.25 hrs	Tue 16/05/23 09:00	Tue 16/05/23 09:15	5162	M Ramosomana,M Kene
5164		Clear The Permit	0.25 hrs	Tue 16/05/23 09:15	Tue 16/05/23 09:30	5163	Operations
5165		Test Run And Hand Over	0.5 hrs	Tue 16/05/23 09:30	Tue 16/05/23 10:00	5164	Operations,M Ramosomana,M Kene
5166	**29A2RF02**	**# A INCLINE CHAIN TROUGH CONVEYOR - Inspect casing, rails and sprockets**	**67.75 hrs**	**Tue 16/05/23 10:00**	**Mon 22/05/23 15:15**	**5137**	
5167		Erect scaffolding prior	0 hrs	Tue 16/05/23 10:00	Tue 16/05/23 10:00		G Moeseraela,T Moloi
5168		Make out permit	0.25 hrs	Tue 16/05/23 10:00	Tue 16/05/23 10:15	5167	Operations
5169		Accept permit	0.25 hrs	Tue 16/05/23 10:15	Tue 16/05/23 10:30	5168	M Ramosomana,M Kene
5170		Open covers on identified areas	24 hrs	Tue 16/05/23 10:30	Thu 18/05/23 14:00	5169	M Ramosomana,M Kene
5171		Inspect and replace/replace as required	18 hrs	Thu 18/05/23 14:00	Sat 20/05/23 10:30	5170	M Ramosomana,M Kene
5172		Box up covers	24 hrs	Sat 20/05/23 10:30	Mon 22/05/23 14:00	5171	M Ramosomana,M Kene
5173		Carry out housekeeping	1 hr	Mon 22/05/23 14:00	Mon 22/05/23 15:00	5172	M Ramosomana,M Kene
5174		Clear permit	0.25 hrs	Mon 22/05/23 15:00	Mon 22/05/23 15:15	5173	M Ramosomana,M Kene
5175		Dismantle scaffodling	0 hrs	Mon 22/05/23 15:15	Mon 22/05/23 15:15	5174	M Ramosomana,M Kene
5176	**29A2RF02**	**# A INCLINE CHAIN TROUGH CONVEYOR - Inspect gearbox**	**10.25 hrs**	**Mon 22/05/23 15:15**	**Tue 23/05/23 15:00**	**5166**	
5177		Issue Permit To Work	0.25 hrs	Mon 22/05/23 15:15	Mon 22/05/23 15:30		Operations
5178		Accept permit	0.25 hrs	Mon 22/05/23 15:30	Mon 22/05/23 15:45	5177	O Dintle
5179		Carry out risk assement	0.25 hrs	Mon 22/05/23 15:45	Mon 22/05/23 16:00	5178	O Dintle,M Kene
5180		Drain gearbox oil	0.5 hrs	Mon 22/05/23 16:00	Mon 22/05/23 16:30	5179	O Dintle,M Kene
5181		Open top cover	1 hr	Mon 22/05/23 16:30	Mon 22/05/23 17:30	5180	O Dintle,M Kene
5182		Inspect gears for chipping, cracks and wear	0.5 hrs	Mon 22/05/23 17:30	Mon 22/05/23 18:00	5181	O Dintle,M Kene
5183		Inspect bearings for signs of defects	0.5 hrs	Tue 23/05/23 07:00	Tue 23/05/23 07:30	5182	O Dintle,M Kene
5184		Inspect input and output seals for leaks	0.5 hrs	Tue 23/05/23 07:30	Tue 23/05/23 08:00	5183	O Dintle,M Kene
5185		Possible repairs	4 hrs	Tue 23/05/23 08:00	Tue 23/05/23 12:00	5184	O Dintle,M Kene
5186		Install top cover	1 hr	Tue 23/05/23 12:30	Tue 23/05/23 13:30	5185	O Dintle,M Kene
5187		Refill with fresh oil	0.5 hrs	Tue 23/05/23 13:30	Tue 23/05/23 14:00	5186	O Dintle,M Kene
5188		Replace breather	0.5 hrs	Tue 23/05/23 14:00	Tue 23/05/23 14:30	5187	O Dintle,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5189		Carry out housekeeping	0.25 hrs	Tue 23/05/23 14:30	Tue 23/05/23 14:45	5188	O Dintle,M Kene
5190		Clear permit	0.25 hrs	Tue 23/05/23 14:45	Tue 23/05/23 15:00	5189	O Dintle,Operations
5191	**29A2RF02**	**# A INCLINE CHAIN TROUGH CONVEYOR - Reposition conveyor structure**	**33 hrs**	**Mon 08/05/23 08:15**	**Thu 11/05/23 09:45**	**4836SS+32**	
5192		Cast conveyor structure support prior	0 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:15		Civils
5193		Issue Permit To Work	0.25 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:30	5192	Operations
5194		Accept permit	0.25 hrs	Mon 08/05/23 08:30	Mon 08/05/23 08:45	5193	Wesley
5195		Carry out risk assement	0.25 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:00	5194	Wesley,Moganetsi,Nkomba,Crane Oper
5196		Position the cranes	4 hrs	Mon 08/05/23 09:00	Mon 08/05/23 13:30	5195	M-Crane 220Ton,M-Crane 180Ton,Crar
5197		Support conveyor structure on 2 cranes	2 hrs	Mon 08/05/23 13:30	Mon 08/05/23 15:30	5196	M-Crane 220Ton,M-Crane 180Ton,Mog
5198		Raise conveyor structure 10mm above the supports	10 hrs	Mon 08/05/23 15:30	Tue 09/05/23 15:00	5197	M-Crane 220Ton,M-Crane 180Ton,Mog
5199		Jack structure towards drive end to original position	10 hrs	Tue 09/05/23 15:00	Wed 10/05/23 14:30	5198	M-Crane 220Ton,M-Crane 180Ton,Mog
5200		Secure structure in position	5 hrs	Wed 10/05/23 14:30	Thu 11/05/23 08:30	5199	M-Crane 220Ton,M-Crane 180Ton,Mog
5201		Release cranes	1 hr	Thu 11/05/23 08:30	Thu 11/05/23 09:30	5200	M-Crane 220Ton,M-Crane 180Ton,Crar
5202		Clear permit	0.25 hrs	Thu 11/05/23 09:30	Thu 11/05/23 09:45	5201	Wesley,Operations
5203	**29A2RF02**	**# A INCLINE CHAIN CONVEYOR DISCHARGE BELLOW - Replace rubber bellow with steel**	**21.5 hrs**	**Fri 05/05/23 07:45**	**Sun 07/05/23 08:15**	**4835**	
5204		Remove lagging prior	0 hrs	Fri 05/05/23 07:45	Fri 05/05/23 07:45		Lagging Contractor
5205		Issue Permit To Work	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	5204	Operations
5206		Accept permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5205	O Dintle
5207		Carry out risk assement	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	5206	M Ramatlhakeng,S Monna,O Dintle,M I
5208		Remove rubber bellow	6 hrs	Fri 05/05/23 08:30	Fri 05/05/23 15:00	5207	O Dintle,M Kene
5209		Modify top and bottom flanges to accommodate new bellow	4 hrs	Fri 05/05/23 15:00	Sat 06/05/23 08:00	5208	M Ramatlhakeng,S Monna
5210		Install steel bellow	8 hrs	Sat 06/05/23 08:00	Sat 06/05/23 16:30	5209	M Ramatlhakeng,S Monna,O Dintle,M I
5211		Secure bellow	2 hrs	Sat 06/05/23 16:30	Sun 07/05/23 07:30	5210	O Dintle,M Kene
5212		Carry out housekeeping	0.5 hrs	Sun 07/05/23 07:30	Sun 07/05/23 08:00	5211	M Ramatlhakeng,S Monna,O Dintle,M I
5213		Clear Permit	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15	5212	O Dintle,M Ramatlhakeng,Operations
5214	**29A2RM02**	**# A RECYCLE SODA ASH STAR FEEDER - Overhaul Feeder**	**35.25 hrs**	**Wed 03/05/23 06:30**	**Sat 06/05/23 10:45**		
5215		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
5216		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	5215	M Ramosomana,M Kene
5217		Cleaning The Area & Equipment	1 hr	Wed 03/05/23 07:15	Wed 03/05/23 08:15	5216	Operations
5218		Risk Assesment	0.25 hrs	Wed 03/05/23 08:15	Wed 03/05/23 08:30	5217	M Ramosomana,M Kene
5219		Access Permit	0.25 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:45	5218	M Ramosomana,M Kene
5220		Remove The Guard	0.5 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:15	5219	M Ramosomana,M Kene
5221		Remove All Bolts	2 hrs	Wed 03/05/23 09:15	Wed 03/05/23 11:15	5220	M Ramosomana,M Kene
5222		Open Side Cover And Inspect Star Feeder	2 hrs	Wed 03/05/23 11:15	Wed 03/05/23 13:45	5221	M-Crane 30Ton,M Ramatlhakeng,S Mo
5223		Remove The Star Feeder To The Workshop	3 hrs	Wed 03/05/23 13:45	Wed 03/05/23 16:45	5222	M Ramatlhakeng,S Monna,M_Crane35
5224		Inspect And Replace Bellow	6 hrs	Wed 03/05/23 16:45	Thu 04/05/23 11:45	5223	M Ramosomana,M Kene
5225		Strip And Overhaul	8 hrs	Thu 04/05/23 11:45	Fri 05/05/23 09:15	5224	M Ramosomana,M Kene
5226		Assemble And Adjust Blades	4 hrs	Fri 05/05/23 09:15	Fri 05/05/23 13:45	5225	M Ramosomana,M Kene
5227		Transport To Plant And Lift Into Position	2 hrs	Fri 05/05/23 13:45	Fri 05/05/23 15:45	5226	M-Crane 30Ton,G Moeseraela,T Moloi,
5228		Install Star Feeder And Fit Coupling	4 hrs	Fri 05/05/23 15:45	Sat 06/05/23 08:45	5227	M-Crane 30Ton,M Ramatlhakeng,S Mo
5229		Install The Guards	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	5228	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5230		Box Up	1.5 hrs	Sat 06/05/23 09:00	Sat 06/05/23 10:30	5229	M Ramosomana,M Kene
5231		Clear Permit	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45	5230	M Ramosomana,M Kene
5232	**29A2GK01**	**# A1 CYCLONE CHAIN STIRRER - Carry out inspection**	**4.5 hrs**	**Sat 06/05/23 10:45**	**Sat 06/05/23 15:45**	**5214**	
5233		Clean prior	0 hrs	Sat 06/05/23 10:45	Sat 06/05/23 10:45		Operations
5234		Make out permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	5233	Operations
5235		Accept permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	5234	M Ramosomana,M Kene
5236		Carry out risk assessment	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	5235	M Ramosomana,M Kene
5237		Open inspection covers	1 hr	Sat 06/05/23 11:30	Sat 06/05/23 13:00	5236	M Ramosomana,M Kene
5238		Carry out inspection	2 hrs	Sat 06/05/23 13:00	Sat 06/05/23 15:00	5237	M Ramosomana,M Kene
5239		Box up	0.5 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:30	5238	M Ramosomana,M Kene
5240		Clear permit	0.25 hrs	Sat 06/05/23 15:30	Sat 06/05/23 15:45	5239	M Ramosomana,M Kene
5241	**29A2GK02**	**# A2 CYCLONE CHAIN STIRRER - Carry out inspection**	**4 hrs**	**Sat 06/05/23 15:45**	**Sun 07/05/23 08:45**	**5232**	
5242		Clean prior	0 hrs	Sat 06/05/23 15:45	Sat 06/05/23 15:45		Operations
5243		Make out permit	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00	5242	Operations
5244		Accept permit	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	5243	M Ramosomana,M Kene
5245		Carry out risk assessment	0.25 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:30	5244	M Ramosomana,M Kene
5246		Open inspection covers	1 hr	Sat 06/05/23 16:30	Sat 06/05/23 17:30	5245	M Ramosomana,M Kene
5247		Carry out inspection	2 hrs	Sat 06/05/23 17:30	Sun 07/05/23 08:30	5246	M Ramosomana,M Kene
5248		Clear permit	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	5247	M Ramosomana,M Kene
5249	**53C2FB03**	**FLASH TANK - Replace Valves, Reducers And Nozzles**	**44 hrs**	**Wed 03/05/23 06:30**	**Sun 07/05/23 09:00**		
5250		Carry out thickness test prior	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		
5251		Make out permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
5252		Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	5251	M Ramatlhakeng,S Monna
5253		Open inspection door	2 hrs	Wed 03/05/23 07:15	Wed 03/05/23 09:15	5252	M Ramatlhakeng,S Monna
5254		Carry out gas test	0.5 hrs	Wed 03/05/23 09:15	Wed 03/05/23 09:45	5253	M Ramatlhakeng,S Monna
5255		Erect scaffodling internally	4 hrs	Wed 03/05/23 09:45	Wed 03/05/23 14:15	5254	M Ramatlhakeng,S Monna
5256		Carry out thickness test	1 hr	Wed 03/05/23 14:15	Wed 03/05/23 15:15	5255	M Ramatlhakeng,S Monna
5257		Inspect wear plate for pitting and cracks	1 hr	Wed 03/05/23 14:15	Wed 03/05/23 15:15	5256SS	M Ramatlhakeng,S Monna
5258		Carry out repairs as necessary	16 hrs	Wed 03/05/23 15:15	Fri 05/05/23 09:45	5257	M Ramatlhakeng,S Monna
5259		Carry out post-repair inspections	1 hr	Fri 05/05/23 09:45	Fri 05/05/23 10:45	5258	M Ramatlhakeng,S Monna
5260		Dismantle scaffolding and remove from tank	4 hrs	Fri 05/05/23 10:45	Fri 05/05/23 15:15	5259	M Ramatlhakeng,S Monna
5261		Close manhole cover	2 hrs	Fri 05/05/23 15:15	Fri 05/05/23 17:15	5260	M Ramatlhakeng,S Monna
5262		Loosen valve flange bolts	4 hrs	Fri 05/05/23 17:15	Sat 06/05/23 10:15	5261	M Ramatlhakeng,S Monna
5263		Rig out valves	2 hrs	Sat 06/05/23 10:15	Sat 06/05/23 12:45	5262	M Ramatlhakeng,S Monna
5264		Clean mating surfaces	1 hr	Sat 06/05/23 12:45	Sat 06/05/23 13:45	5263	M Ramatlhakeng,S Monna
5265		Install new valves and gaskets	2 hrs	Sat 06/05/23 13:45	Sat 06/05/23 15:45	5264	M Ramatlhakeng,S Monna
5266		Tighten bolts	3 hrs	Sat 06/05/23 15:45	Sun 07/05/23 07:45	5265	M Ramatlhakeng,S Monna
5267		Housekeeping	1 hr	Sun 07/05/23 07:45	Sun 07/05/23 08:45	5266	M Ramatlhakeng,S Monna
5268		Clear permit	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	5267	M Ramatlhakeng,S Monna
5269	**53C2FB03**	**FLASH TANK - 1st Isolation Valve replace**	**10.75 hrs**	**Sun 07/05/23 08:45**	**Mon 08/05/23 09:00**	**5241**	
5270		Make Out Permit	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00		Operations
5271		Accept Permit	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	5270	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5272		Loosen Flanges On Old Valve	3 hrs	Sun 07/05/23 09:15	Sun 07/05/23 12:45	5271	M Ramosomana,M Kene
5273		Rig Down Old Valve	1 hr	Sun 07/05/23 12:45	Sun 07/05/23 13:45	5272	G Moeseraela,T Moloi,K Gabantogele
5274		Rig Up New Valve	2 hrs	Sun 07/05/23 13:45	Sun 07/05/23 15:45	5273	G Moeseraela,T Moloi,K Gabantogele,M
5275		Install And Fastern Valve In Position	4 hrs	Sun 07/05/23 15:45	Mon 08/05/23 08:45	5274	Montana
5276		Clear Permit	0.25 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:00	5275	M Ramosomana,M Kene
5277		**PLANT STRUCTURE GENERAL - Repair fibreglass pipelines**	**65.25 hrs**	**Wed 03/05/23 06:30**	**Tue 09/05/23 09:15**		
5278		Erect scaffolding prior	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		RSC Scaffolding
5279		Issue permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45	5278	Operations
5280		Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	5279	M Ramosomana,M Kene
5281		Support the pipe to be cut with correct lifting gear	0.5 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:45	5280	G Moeseraela,T Moloi,K Gabantogele
5282		Measure and cut a section of the pipe to be replaced and remove it using correct lifting gear	10 hrs	Wed 03/05/23 07:45	Thu 04/05/23 07:15	5281	Contractor,M Ramosomana,M Kene
5283		Install stubs on the cut fibreglass pipes	20 hrs	Thu 04/05/23 07:15	Fri 05/05/23 17:15	5282	Contractor,M Ramosomana,M Kene
5284		Allow them to cure	16 hrs	Fri 05/05/23 17:15	Sun 07/05/23 11:45	5283	Contractor,M Ramosomana,M Kene
5285		Rig a new pipe in stainless steel pipes into position and align with an fibreglass pipe	8 hrs	Sun 07/05/23 11:45	Mon 08/05/23 09:15	5284	G Moeseraela,T Moloi,K Gabantogele
5286		Install gaskets and tighten flanges	8 hrs	Mon 08/05/23 09:15	Mon 08/05/23 17:45	5285	Contractor,M Ramosomana,M Kene
5287		Remove the lifting gear	0.25 hrs	Mon 08/05/23 17:45	Mon 08/05/23 18:00	5286	G Moeseraela,T Moloi,K Gabantogele
5288		Housekeeping	2 hrs	Tue 09/05/23 07:00	Tue 09/05/23 09:00	5287	M Ramatlhakeng,S Monna,M Ramosom
5289		Clear permit	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15	5288	M Ramosomana,M Kene
5290		**ELECTRICAL**	**154.25 hrs**	**Fri 05/05/23 07:45**	**Fri 19/05/23 15:30**	**4835**	
5291	**29A2GA01**	**# A CALCINER STEAM HEAD OIL PUMP - Services Motor and Panel Components**	**22.5 hrs**	**Fri 05/05/23 07:45**	**Sun 07/05/23 09:15**		
5292		Make Out Permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		Operations
5293		Accept Permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5292	L Majoo,Electrician1
5294		Carry Out Electrical Isolation	0.25 hrs	Fri 05/05/23 08:30	Fri 05/05/23 08:45	5295	L Majoo,Electrician1
5295		Services Panel Components And Replace Motor	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	5293	L Majoo,Electrician1
5296		Disconnect motor	2 hrs	Fri 05/05/23 08:45	Fri 05/05/23 10:45	5294	M Ramosomana,M Kene,L Majoo,Electr
5297		Wash motor with a water spray	1.5 hrs	Fri 05/05/23 10:45	Fri 05/05/23 12:45	5296	L Majoo,Electrician1
5298		Dry motor in an oven	6 hrs	Fri 05/05/23 12:45	Sat 06/05/23 07:45	5297	L Majoo,Electrician1
5299		Paint motor	4 hrs	Sat 06/05/23 07:45	Sat 06/05/23 11:45	5298	Painter 1
5300		Curing time	4 hrs	Sat 06/05/23 11:45	Sat 06/05/23 15:45	5299	
5301		Check Loose Connections In The Panel	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00	5300	L Majoo,Electrician1
5302		Check Contactor Contacts	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	5301	L Majoo,Electrician1
5303		Service Stop/Start	0.5 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:45	5302	L Majoo,Electrician1
5304		Install and connect motor	2 hrs	Sat 06/05/23 16:45	Sun 07/05/23 07:45	5303	M Ramosomana,M Kene,L Majoo,Electr
5305		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	5304	L Majoo,Electrician1
5306		Check motor connection	0.5 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:30	5305	L Majoo,Electrician1
5307		Seal For Moisture And Dust	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	5306	L Majoo,Electrician1
5308		Confirm Correct Protection Settings	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	5307	L Majoo,Electrician1
5309		Clear Permit	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	5308	L Majoo,Electrician1
5310	**29A2GA07**	**# A DOUBLE SHAFT MIXER LUBE PUMP - Services Motor and Panel Components**	**23 hrs**	**Sun 07/05/23 09:15**	**Tue 09/05/23 11:15**	**5291**	
5311		Make Out Permit	0.25 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5312		Accept Permit	0.25 hrs	Sun 07/05/23 09:30	Sun 07/05/23 09:45	5311	L Majoo,Electrician1
5313		Carry Out Electrical Isolation	0.25 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:15	5314	L Majoo,Electrician1
5314		Services Panel Components And Replace Motor	0.25 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:00	5312	L Majoo,Electrician1
5315		Disconnect motor	2 hrs	Sun 07/05/23 10:15	Sun 07/05/23 12:45	5313	M Ramosomana,M Kene,L Majoo,Electı
5316		Wash motor with a water spray	1.5 hrs	Sun 07/05/23 12:45	Sun 07/05/23 14:15	5315	L Majoo,Electrician1
5317		Dry motor in an oven	6 hrs	Sun 07/05/23 14:15	Mon 08/05/23 09:15	5316	L Majoo,Electrician1
5318		Paint motor	4 hrs	Mon 08/05/23 09:15	Mon 08/05/23 13:45	5317	Painter 1
5319		Curing time	4 hrs	Mon 08/05/23 13:45	Mon 08/05/23 17:45	5318	
5320		Check Loose Connections In The Panel	0.25 hrs	Mon 08/05/23 17:45	Mon 08/05/23 18:00	5319	L Majoo,Electrician1
5321		Check Contactor Contacts	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	5320	L Majoo,Electrician1
5322		Service Stop/Start	0.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:45	5321	L Majoo,Electrician1
5323		Install and connect motor	2 hrs	Tue 09/05/23 07:45	Tue 09/05/23 09:45	5322	M Ramosomana,M Kene,L Majoo,Electı
5324		Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	5323	L Majoo,Electrician1
5325		Check motor connection	0.5 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:30	5324	L Majoo,Electrician1
5326		Seal For Moisture And Dust	0.25 hrs	Tue 09/05/23 10:30	Tue 09/05/23 10:45	5325	L Majoo,Electrician1
5327		Confirm Correct Protection Settings	0.25 hrs	Tue 09/05/23 10:45	Tue 09/05/23 11:00	5326	L Majoo,Electrician1
5328		Clear Permit	0.25 hrs	Tue 09/05/23 11:00	Tue 09/05/23 11:15	5327	L Majoo,Electrician1
5329	**29A2GA03**	**# A2 CALCINER ROLLER LUBE PUMP - Services Motor and Panel Components**	**21.25 hrs**	**Tue 09/05/23 11:15**	**Thu 11/05/23 11:30**	**5310**	
5330		Make Out Permit	0.25 hrs	Tue 09/05/23 11:15	Tue 09/05/23 11:30		Operations
5331		Accept Permit	0.25 hrs	Tue 09/05/23 11:30	Tue 09/05/23 11:45	5330	L Majoo,Electrician1
5332		Carry Out Electrical Isolation	0.25 hrs	Tue 09/05/23 12:30	Tue 09/05/23 12:45	5333	L Majoo,Electrician1
5333		Services Panel Components And Replace Motor	0.25 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:00	5331	L Majoo,Electrician1
5334		Disconnect motor	2 hrs	Tue 09/05/23 12:45	Tue 09/05/23 14:45	5332	M Ramosomana,M Kene,L Majoo,Electı
5335		Wash motor with a water spray	1.5 hrs	Tue 09/05/23 14:45	Tue 09/05/23 16:15	5334	L Majoo,Electrician1
5336		Dry motor in an oven	6 hrs	Tue 09/05/23 16:15	Wed 10/05/23 11:15	5335	L Majoo,Electrician1
5337		Paint motor	4 hrs	Wed 10/05/23 11:15	Wed 10/05/23 15:45	5336	Painter 1
5338		Curing time	4 hrs	Wed 10/05/23 15:45	Wed 10/05/23 19:45	5337	
5339		Check Loose Connections In The Panel	0.25 hrs	Thu 11/05/23 07:00	Thu 11/05/23 07:15	5338	L Majoo,Electrician1
5340		Check Contactor Contacts	0.25 hrs	Thu 11/05/23 07:15	Thu 11/05/23 07:30	5339	L Majoo,Electrician1
5341		Service Stop/Start	0.5 hrs	Thu 11/05/23 07:30	Thu 11/05/23 08:00	5340	L Majoo,Electrician1
5342		Install and connect motor	2 hrs	Thu 11/05/23 08:00	Thu 11/05/23 10:00	5341	M Ramosomana,M Kene,L Majoo,Electı
5343		Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 11/05/23 10:00	Thu 11/05/23 10:15	5342	L Majoo,Electrician1
5344		Check motor connection	0.5 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:45	5343	L Majoo,Electrician1
5345		Seal For Moisture And Dust	0.25 hrs	Thu 11/05/23 10:45	Thu 11/05/23 11:00	5344	L Majoo,Electrician1
5346		Confirm Correct Protection Settings	0.25 hrs	Thu 11/05/23 11:00	Thu 11/05/23 11:15	5345	L Majoo,Electrician1
5347		Clear Permit	0.25 hrs	Thu 11/05/23 11:15	Thu 11/05/23 11:30	5346	L Majoo,Electrician1
5348	**29A2GA05**	**# A1 CALCINER ROLLER LUBE PUMP - Services Motor and Panel Components**	**21.5 hrs**	**Thu 11/05/23 11:30**	**Sat 13/05/23 12:00**	**5329**	
5349		Make Out Permit	0.25 hrs	Thu 11/05/23 11:30	Thu 11/05/23 11:45		Operations
5350		Accept Permit	0.25 hrs	Thu 11/05/23 11:45	Thu 11/05/23 12:00	5349	L Majoo,Electrician1
5351		Carry Out Electrical Isolation	0.25 hrs	Thu 11/05/23 12:30	Thu 11/05/23 12:45	5350	L Majoo,Electrician1
5352		Disconnect motor	2 hrs	Thu 11/05/23 12:45	Thu 11/05/23 14:45	5351	M Ramosomana,M Kene,L Majoo,Electı
5353		Wash motor with a water spray	1.5 hrs	Thu 11/05/23 14:45	Thu 11/05/23 16:15	5352	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5354		Dry motor in an oven	6 hrs	Thu 11/05/23 16:15	Fri 12/05/23 11:15	5353	L Majoo,Electrician1
5355		Paint motor	4 hrs	Fri 12/05/23 11:15	Fri 12/05/23 15:45	5354	Painter 1
5356		Curing time	4 hrs	Fri 12/05/23 15:45	Fri 12/05/23 19:45	5355	
5357		Services Panel Components And Replace Motor	0.25 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:15	5356	L Majoo,Electrician1
5358		Carry Out Electrical Isolation	0.25 hrs	Sat 13/05/23 07:15	Sat 13/05/23 07:30	5357	L Majoo,Electrician1
5359		Check Loose Connections In The Panel	0.25 hrs	Sat 13/05/23 07:30	Sat 13/05/23 07:45	5358	L Majoo,Electrician1
5360		Check Contactor Contacts	0.25 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:00	5359	L Majoo,Electrician1
5361		Service Stop/Start	0.5 hrs	Sat 13/05/23 08:00	Sat 13/05/23 08:30	5360	L Majoo,Electrician1
5362		Install and connect motor	2 hrs	Sat 13/05/23 08:30	Sat 13/05/23 10:30	5361	M Ramosomana,M Kene,L Majoo,Electr
5363		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	5362	L Majoo,Electrician1
5364		Check motor connection	0.5 hrs	Sat 13/05/23 10:45	Sat 13/05/23 11:15	5363	L Majoo,Electrician1
5365		Seal For Moisture And Dust	0.25 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:30	5364	L Majoo,Electrician1
5366		Confirm Correct Protection Settings	0.25 hrs	Sat 13/05/23 11:30	Sat 13/05/23 11:45	5365	L Majoo,Electrician1
5367		Clear Permit	0.25 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:00	5366	L Majoo,Electrician1
5368	**29A2GR01**	**# A CALCINER - Services Electric Motor And Panel Components**	**5.5 hrs**	**Tue 09/05/23 12:45**	**Wed 10/05/23 07:15**	**3833**	
5369		Make Out Permit	0.25 hrs	Tue 09/05/23 12:45	Tue 09/05/23 13:00		Operations
5370		Accept Permit	0.25 hrs	Tue 09/05/23 13:00	Tue 09/05/23 13:15	5369	L Majoo,Electrician1
5371		Carry Out Electrical Isolation	0.25 hrs	Tue 09/05/23 13:15	Tue 09/05/23 13:30	5370	L Majoo,Electrician1
5372		Services Electric Motor And Panel Components	0.25 hrs	Tue 09/05/23 13:30	Tue 09/05/23 13:45	5371	L Majoo,Electrician1
5373		Check Loose Connections In The Panel	0.25 hrs	Tue 09/05/23 13:45	Tue 09/05/23 14:00	5372	L Majoo,Electrician1
5374		Check Contactor Contacts	0.25 hrs	Tue 09/05/23 14:00	Tue 09/05/23 14:15	5373	L Majoo,Electrician1
5375		Service under speed circuit and relocate junction box	2 hrs	Tue 09/05/23 14:15	Tue 09/05/23 16:15	5374	L Majoo,Electrician1
5376		Service Stop/Start	0.25 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:30	5375	L Majoo,Electrician1
5377		Check Fan Condition	0.25 hrs	Tue 09/05/23 16:30	Tue 09/05/23 16:45	5376	L Majoo,Electrician1
5378		Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:00	5377	L Majoo,Electrician1
5379		Tighten Motor Connections& Gland Intergrity	0.5 hrs	Tue 09/05/23 17:00	Tue 09/05/23 17:30	5378	L Majoo,Electrician1
5380		Seal For Moisture And Dust	0.25 hrs	Tue 09/05/23 17:30	Tue 09/05/23 17:45	5379	L Majoo,Electrician1
5381		Confirm Correct Protection Settings	0.25 hrs	Tue 09/05/23 17:45	Tue 09/05/23 18:00	5380	L Majoo,Electrician1
5382		Clear Permit	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	5381	L Majoo,Electrician1
5383	**29A2GR01**	**# A CALCINER AUX DRIVE - Services Electric Motor And Panel Components**	**3.5 hrs**	**Wed 10/05/23 07:15**	**Wed 10/05/23 10:45**	**5368**	
5384		Make Out Permit	0.25 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:30		Operations
5385		Accept Permit	0.25 hrs	Wed 10/05/23 07:30	Wed 10/05/23 07:45	5384	L Majoo,Electrician1
5386		Carry Out Electrical Isolation	0.25 hrs	Wed 10/05/23 07:45	Wed 10/05/23 08:00	5385	L Majoo,Electrician1
5387		Services Electric Motor And Panel Components	0.25 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:15	5386	L Majoo,Electrician1
5388		Service Main/Auxillary Interlocking Switch	0.25 hrs	Wed 10/05/23 08:15	Wed 10/05/23 08:30	5387	L Majoo,Electrician1
5389		Check Loose Connections In The Panel	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45	5388	L Majoo,Electrician1
5390		Check Contactor Contacts	0.25 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:00	5389	L Majoo,Electrician1
5391		Service Stop/Start	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15	5390	L Majoo,Electrician1
5392		Check Fan Condition	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	5391	L Majoo,Electrician1
5393		Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45	5392	L Majoo,Electrician1
5394		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00	5393	L Majoo,Electrician1
5395		Seal For Moisture And Dust	0.25 hrs	Wed 10/05/23 10:00	Wed 10/05/23 10:15	5394	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5396		Confirm Correct Protection Settings	0.25 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:30	5395	L Majoo,Electrician1
5397		Clear Permit	0.25 hrs	Wed 10/05/23 10:30	Wed 10/05/23 10:45	5396	L Majoo,Electrician1
5398	**29A2GR01**	**# A CALCINER CO2 GAS COMPRESSOR - Carry out electrical maintenance**	**14 hrs**	**Wed 10/05/23 07:15**	**Thu 11/05/23 10:45**	**5368**	
5399		Make out permit	0.25 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:30		Operations
5400		Accept permit	0.25 hrs	Wed 10/05/23 07:30	Wed 10/05/23 07:45	5399	L Majoo,Electrician1
5401		Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Wed 10/05/23 07:45	Wed 10/05/23 08:00	5400	L Majoo,Electrician1
5402		Carry out electrical isolation	0.25 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:15	5401	L Majoo,Electrician1
5403		Service components in the field panel	1 hr	Wed 10/05/23 08:15	Wed 10/05/23 09:15	5402	L Majoo,Electrician1
5404		Service components in the substation panel	1 hr	Wed 10/05/23 09:15	Wed 10/05/23 10:15	5403	L Majoo,Electrician1
5405		Check motor fan condition	0.25 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:30	5404	L Majoo,Electrician1
5406		Clean dust filters with water	0.75 hrs	Wed 10/05/23 10:30	Wed 10/05/23 11:15	5405	L Majoo,Electrician1
5407		Check cable terminal leads for over heating	0.25 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:30	5406	L Majoo,Electrician1
5408		Tighten motor connections & Gland intergrity	0.5 hrs	Wed 10/05/23 11:30	Wed 10/05/23 12:00	5407	L Majoo,Electrician1
5409		Ensure motor winding heaters are working	0.5 hrs	Wed 10/05/23 12:30	Wed 10/05/23 13:00	5408	L Majoo,Electrician1
5410		Remove fan cover	1 hr	Wed 10/05/23 13:00	Wed 10/05/23 14:00	5409	G Moeseraela,T Moloi,K Gabantogele,N
5411		Clean motor air vents metal rod and compressed air	4 hrs	Wed 10/05/23 14:00	Wed 10/05/23 18:00	5410	L Majoo,Electrician1
5412		Close fan cover	1 hr	Thu 11/05/23 07:00	Thu 11/05/23 08:00	5411	G Moeseraela,T Moloi,K Gabantogele,N
5413		Reinstate winding temperature monitor circuit	1 hr	Thu 11/05/23 08:00	Thu 11/05/23 09:00	5412	L Majoo,Electrician1
5414		Ensure motor winding heater is working	0.5 hrs	Thu 11/05/23 09:00	Thu 11/05/23 09:30	5413	L Majoo,Electrician1
5415		Ensure correct operation of the spring charging circuit	0.5 hrs	Thu 11/05/23 09:30	Thu 11/05/23 10:00	5414	L Majoo,Electrician1
5416		Seal for moisture and dust.	0.25 hrs	Thu 11/05/23 10:00	Thu 11/05/23 10:15	5415	L Majoo,Electrician1
5417		Confirm correct protection settings for all drives	0.25 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:30	5416	L Majoo,Electrician1
5418		Clear Permit And Electrical Clearence Certificate	0.25 hrs	Thu 11/05/23 10:30	Thu 11/05/23 10:45	5417	L Majoo,Electrician1
5419	**29ACO2LUBA**	**A CO2 Compressor 'Lube Oil Pump A - Carry out maintenance on electrical components**	**54.25 hrs**	**Fri 05/05/23 07:45**	**Wed 10/05/23 09:30**		
5420		Make out permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		L Majoo,Electrician1
5421		Accept permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5420	L Majoo,Electrician1
5422		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	5421	L Majoo,Electrician1
5423		Disconnect motor	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	5422	L Majoo,Electrician1
5424		Send motor for repairs	48 hrs	Fri 05/05/23 09:00	Tue 09/05/23 15:30	5423	L Majoo,Electrician1,Riggers,M_Crane7
5425		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45	5424	L Majoo,Electrician1
5426		Check Contactor contacts connetions	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	5425	L Majoo,Electrician1
5427		Confirm correct setting of protections	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	5426	L Majoo,Electrician1
5428		Service Stop/start	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	5427	L Majoo,Electrician1
5429		Install motor	1.5 hrs	Tue 09/05/23 16:45	Wed 10/05/23 07:15	5428	Riggers,M_Crane7T
5430		Connect motor	0.75 hrs	Wed 10/05/23 07:15	Wed 10/05/23 08:00	5429	L Majoo,Electrician1
5431		Check motor fan condition	0.5 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:30	5430	L Majoo,Electrician1
5432		Check cable terminal leads for over heating	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45	5431	L Majoo,Electrician1
5433		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:00	5432	L Majoo,Electrician1
5434		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15	5433	L Majoo,Electrician1
5435		Clear permit	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	5434	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5436	**29ACO2LUB B**	**A CO2 Compressor 'Lube Oil Pump B - Carry out maintenance on electrical components**	**54.25 hrs**	**Fri 05/05/23 07:45**	**Wed 10/05/23 09:30**	**5419SS**	
5437		Make out permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		L Majoo,Electrician1
5438		Accept permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5437	L Majoo,Electrician1
5439		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	5438	L Majoo,Electrician1
5440		Disconnect motor	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	5439	L Majoo,Electrician1
5441		Send motor for repairs	48 hrs	Fri 05/05/23 09:00	Tue 09/05/23 15:30	5440	L Majoo,Electrician1,Riggers,M_Crane7
5442		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45	5441	L Majoo,Electrician1
5443		Check Contactor contacts connetions	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	5442	L Majoo,Electrician1
5444		Confirm correct setting of protections	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	5443	L Majoo,Electrician1
5445		Service Stop/start	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	5444	L Majoo,Electrician1
5446		Install motor	1.5 hrs	Tue 09/05/23 16:45	Wed 10/05/23 07:15	5445	Riggers,M_Crane7T
5447		Connect motor	0.75 hrs	Wed 10/05/23 07:15	Wed 10/05/23 08:00	5446	L Majoo,Electrician1
5448		Check motor fan condition	0.5 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:30	5447	L Majoo,Electrician1
5449		Check cable terminal leads for over heating	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45	5448	L Majoo,Electrician1
5450		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:00	5449	L Majoo,Electrician1
5451		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15	5450	L Majoo,Electrician1
5452		Clear permit	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	5451	L Majoo,Electrician1
5453	**29ACO2SEA**	**A CO2 Seal water pump A - Carry out maintenance on electrical components**	**151.25 hrs**	**Fri 05/05/23 07:45**	**Fri 19/05/23 12:00**	**5419SS**	
5454		Make out permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		L Majoo,Electrician1
5455		Accept permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5454	L Majoo,Electrician1
5456		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	5455	L Majoo,Electrician1
5457		Disconnect motor	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	5456	L Majoo,Electrician1
5458		Send motor for repairs	48 hrs	Fri 05/05/23 09:00	Tue 09/05/23 15:30	5457	L Majoo,Electrician1,Riggers,M_Crane7
5459		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45	5458	L Majoo,Electrician1
5460		Check Contactor contacts connetions	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	5459	L Majoo,Electrician1
5461		Confirm correct setting of protections	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	5460	L Majoo,Electrician1
5462		Service Stop/start	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	5461	L Majoo,Electrician1
5463		Install motor	1.5 hrs	Tue 09/05/23 16:45	Wed 10/05/23 07:15	5462	Riggers,M_Crane7T
5464		Connect motor	0.75 hrs	Wed 10/05/23 07:15	Wed 10/05/23 08:00	5463	L Majoo,Electrician1
5465		Check motor fan condition	0.5 hrs	Fri 19/05/23 10:30	Fri 19/05/23 11:00	5464,5617	L Majoo,Electrician1
5466		Check cable terminal leads for over heating	0.25 hrs	Fri 19/05/23 11:00	Fri 19/05/23 11:15	5465	L Majoo,Electrician1
5467		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 19/05/23 11:15	Fri 19/05/23 11:30	5466	L Majoo,Electrician1
5468		Seal for Moisture and dust.	0.25 hrs	Fri 19/05/23 11:30	Fri 19/05/23 11:45	5467	L Majoo,Electrician1
5469		Clear permit	0.25 hrs	Fri 19/05/23 11:45	Fri 19/05/23 12:00	5468	L Majoo,Electrician1
5470	**29ACO2SEA**	**A CO2 Seal water pump B - Carry out maintenance on electrical components**	**56.75 hrs**	**Fri 05/05/23 07:45**	**Wed 10/05/23 12:00**	**5419SS**	
5471		Make out permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		L Majoo,Electrician1
5472		Accept permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5471	L Majoo,Electrician1
5473		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	5472	L Majoo,Electrician1
5474		Disconnect motor	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	5473	L Majoo,Electrician1
5475		Send motor for repairs	48 hrs	Fri 05/05/23 09:00	Tue 09/05/23 15:30	5474	L Majoo,Electrician1,Riggers,M_Crane7
5476		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45	5475	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5477		Check Contactor contacts connetions	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	5476	L Majoo,Electrician1
5478		Confirm correct setting of protections	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	5477	L Majoo,Electrician1
5479		Service Stop/start	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	5478	L Majoo,Electrician1
5480		Install motor	1.5 hrs	Tue 09/05/23 16:45	Wed 10/05/23 07:15	5479	Riggers,M_Crane7T
5481		Connect motor	0.75 hrs	Wed 10/05/23 07:15	Wed 10/05/23 08:00	5480	L Majoo,Electrician1
5482		Check motor fan condition	0.5 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:30	5481	L Majoo,Electrician1
5483		Connect motor	2.5 hrs	Wed 10/05/23 08:30	Wed 10/05/23 11:00	5482	L Majoo,Electrician1
5484		Check cable terminal leads for over heating	0.25 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:15	5483	L Majoo,Electrician1
5485		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:30	5484	L Majoo,Electrician1
5486		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 11:30	Wed 10/05/23 11:45	5485	L Majoo,Electrician1
5487		Clear permit	0.25 hrs	Wed 10/05/23 11:45	Wed 10/05/23 12:00	5486	L Majoo,Electrician1
5488	**29A2RF01**	**# A DUST DISCHARGE SCREW CONVEYOR - Services Electric Motor And Panel Components**	**7.25 hrs**	**Wed 10/05/23 12:00**	**Thu 11/05/23 08:45**	**5470**	
5489		Make Out Permit	0.25 hrs	Wed 10/05/23 12:00	Wed 10/05/23 12:15		Operations
5490		Accept Permit	0.25 hrs	Wed 10/05/23 12:30	Wed 10/05/23 12:45	5489	L Majoo,Electrician1
5491		Carry Out Electrical Isolation	0.25 hrs	Wed 10/05/23 12:45	Wed 10/05/23 13:00	5490	L Majoo,Electrician1
5492		Services Electric Motor And Panel Components	0.25 hrs	Wed 10/05/23 13:00	Wed 10/05/23 13:15	5491	L Majoo,Electrician1
5493		Disconnect and remove motor and send for repairs	2 hrs	Wed 10/05/23 13:15	Wed 10/05/23 15:15	5492	G Moeseraela,T Moloi,K Gabantogele,N
5494		Check Loose Connections In The Panel	0.25 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:30	5493	L Majoo,Electrician1
5495		Check Contactor Contacts	0.25 hrs	Wed 10/05/23 15:30	Wed 10/05/23 15:45	5494	L Majoo,Electrician1
5496		Service Stop/Start	0.25 hrs	Wed 10/05/23 15:45	Wed 10/05/23 16:00	5495	L Majoo,Electrician1
5497		Install and connect motor	2 hrs	Wed 10/05/23 16:00	Wed 10/05/23 18:00	5496	G Moeseraela,T Moloi,K Gabantogele,N
5498		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Thu 11/05/23 07:00	Thu 11/05/23 07:15	5497	L Majoo,Electrician1
5499		Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 11/05/23 07:15	Thu 11/05/23 07:30	5498	L Majoo,Electrician1
5500		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 11/05/23 07:30	Thu 11/05/23 07:45	5499	L Majoo,Electrician1
5501		Replace Safe Start Alarm	0.25 hrs	Thu 11/05/23 07:45	Thu 11/05/23 08:00	5500	L Majoo,Electrician1
5502		Seal For Moisture And Dust	0.25 hrs	Thu 11/05/23 08:00	Thu 11/05/23 08:15	5501	L Majoo,Electrician1
5503		Confirm Correct Protection Settings	0.25 hrs	Thu 11/05/23 08:15	Thu 11/05/23 08:30	5502	L Majoo,Electrician1
5504		Clear Permit	0.25 hrs	Thu 11/05/23 08:30	Thu 11/05/23 08:45	5503	L Majoo,Electrician1
5505	**29A2RF02**	**# A INCLINED TROUGH CHAIN CONVEYOR - Services Electric Motor And Panel Components**	**8.75 hrs**	**Thu 11/05/23 08:45**	**Thu 11/05/23 18:00**	**5488**	
5506		Make Out Permit	0.25 hrs	Thu 11/05/23 08:45	Thu 11/05/23 09:00		Operations
5507		Accept Permit	0.25 hrs	Thu 11/05/23 09:00	Thu 11/05/23 09:15	5506	L Majoo,Electrician1
5508		Carry Out Electrical Isolation	0.25 hrs	Thu 11/05/23 09:15	Thu 11/05/23 09:30	5507	L Majoo,Electrician1
5509		Services Electric Motor And Panel Components	0.25 hrs	Thu 11/05/23 09:30	Thu 11/05/23 09:45	5508	L Majoo,Electrician1
5510		Disconnect and remove motor and send for repairs	2 hrs	Thu 11/05/23 09:45	Thu 11/05/23 11:45	5509	G Moeseraela,T Moloi,K Gabantogele,N
5511		Check Loose Connections In The Panel	0.25 hrs	Thu 11/05/23 11:45	Thu 11/05/23 12:00	5510	L Majoo,Electrician1
5512		Clean Panel Interior	0.25 hrs	Thu 11/05/23 12:30	Thu 11/05/23 12:45	5511	L Majoo,Electrician1
5513		Check Contactor Contacts	0.25 hrs	Thu 11/05/23 12:45	Thu 11/05/23 13:00	5512	L Majoo,Electrician1
5514		Service U/S Circuit	0.25 hrs	Thu 11/05/23 13:00	Thu 11/05/23 13:15	5513	L Majoo,Electrician1
5515		Service Stop/Start	0.25 hrs	Thu 11/05/23 13:15	Thu 11/05/23 13:30	5514	L Majoo,Electrician1
5516		Install and connect motor	2 hrs	Thu 11/05/23 13:30	Thu 11/05/23 15:30	5515	G Moeseraela,T Moloi,K Gabantogele,N

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5517		Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 11/05/23 15:30	Thu 11/05/23 15:45	5516	L Majoo,Electrician1
5518		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 11/05/23 15:45	Thu 11/05/23 16:00	5517	L Majoo,Electrician1
5519		Service Go Switches And Test Functionality	0.25 hrs	Thu 11/05/23 16:00	Thu 11/05/23 16:15	5518	L Majoo,Electrician1
5520		Replace safe start siren	1 hr	Thu 11/05/23 16:15	Thu 11/05/23 17:15	5519	L Majoo,Electrician1
5521		Seal For Moisture And Dust	0.25 hrs	Thu 11/05/23 17:15	Thu 11/05/23 17:30	5520	L Majoo,Electrician1
5522		Confirm Correct Protection Settings	0.25 hrs	Thu 11/05/23 17:30	Thu 11/05/23 17:45	5521	L Majoo,Electrician1
5523		Clear Permit	0.25 hrs	Thu 11/05/23 17:45	Thu 11/05/23 18:00	5522	L Majoo,Electrician1
5524	**29A2RF03**	**# A 1 DUST DISCHARGE CONVEYOR - Services Electric Motor And Panel Components**	**7 hrs**	**Thu 11/05/23 18:00**	**Fri 12/05/23 14:30**	**5505**	
5525		Fabricate power supply cable junction box prior	0 hrs	Thu 11/05/23 18:00	Thu 11/05/23 18:00		
5526		Make Out Permit	0.25 hrs	Thu 11/05/23 18:00	Thu 11/05/23 18:15	5525	Operations
5527		Accept Permit	0.25 hrs	Fri 12/05/23 07:00	Fri 12/05/23 07:15	5526	L Majoo,Electrician1
5528		Carry Out Electrical Isolation	0.25 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:30	5527	L Majoo,Electrician1
5529		Services Electric Motor And Panel Components	0.25 hrs	Fri 12/05/23 07:30	Fri 12/05/23 07:45	5528	L Majoo,Electrician1
5530		Check Loose Connections In The Panel	0.25 hrs	Fri 12/05/23 07:45	Fri 12/05/23 08:00	5529	L Majoo,Electrician1
5531		Check Contactor Contacts	0.25 hrs	Fri 12/05/23 08:00	Fri 12/05/23 08:15	5530	L Majoo,Electrician1
5532		Service Stop/Start	0.25 hrs	Fri 12/05/23 08:15	Fri 12/05/23 08:30	5531	L Majoo,Electrician1
5533		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45	5532	L Majoo,Electrician1
5534		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	5533	L Majoo,Electrician1
5535		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	5534	L Majoo,Electrician1
5536		Seal For Moisture And Dust	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30	5535	L Majoo,Electrician1
5537		Confirm Correct Protection Settings	0.25 hrs	Fri 12/05/23 09:30	Fri 12/05/23 09:45	5536	L Majoo,Electrician1
5538		Replace juntion box	4 hrs	Fri 12/05/23 09:45	Fri 12/05/23 14:15	5537	L Majoo,Electrician1
5539		Clear Permit	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30	5538	L Majoo,Electrician1
5540	**29A2RF04**	**# A2 DUST DISCHARGE CONVEYOR - Services Electric Motor And Panel Components**	**3.5 hrs**	**Fri 12/05/23 14:30**	**Fri 12/05/23 18:00**	**5524**	
5541		Make Out Permit	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45		Operations
5542		Accept Permit	0.25 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:00	5541	L Majoo,Electrician1
5543		Carry Out Electrical Isolation	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	5542	L Majoo,Electrician1
5544		Services Electric Motor And Panel Components	0.25 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:30	5543	L Majoo,Electrician1
5545		Check Loose Connections In The Panel	0.25 hrs	Fri 12/05/23 15:30	Fri 12/05/23 15:45	5544	L Majoo,Electrician1
5546		Check Contactor Contacts	0.25 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:00	5545	L Majoo,Electrician1
5547		Service Stop/Start	0.25 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:15	5546	L Majoo,Electrician1
5548		Check Fan Condition	0.25 hrs	Fri 12/05/23 16:15	Fri 12/05/23 16:30	5547	L Majoo,Electrician1
5549		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Fri 12/05/23 16:30	Fri 12/05/23 16:45	5548	L Majoo,Electrician1
5550		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	5549	L Majoo,Electrician1
5551		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:15	5550	L Majoo,Electrician1
5552		Seal For Moisture And Dust	0.25 hrs	Fri 12/05/23 17:15	Fri 12/05/23 17:30	5551	L Majoo,Electrician1
5553		Confirm Correct Protection Settings	0.25 hrs	Fri 12/05/23 17:30	Fri 12/05/23 17:45	5552	L Majoo,Electrician1
5554		Clear Permit	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00	5553	L Majoo,Electrician1
5555	**29A2RF05**	**# A COLLECTED DUST SCREW CONVEYOR - Services Electric Motor And Panel Components**	**3.5 hrs**	**Fri 12/05/23 18:00**	**Sat 13/05/23 10:30**	**5540**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5556		Make Out Permit	0.25 hrs	Fri 12/05/23 18:00	Fri 12/05/23 18:15		Operations
5557		Accept Permit	0.25 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:15	5556	L Majoo,Electrician1
5558		Carry Out Electrical Isolation	0.25 hrs	Sat 13/05/23 07:15	Sat 13/05/23 07:30	5557	L Majoo,Electrician1
5559		A Collected Dust Screw Conveyor	0.25 hrs	Sat 13/05/23 07:30	Sat 13/05/23 07:45	5558	L Majoo,Electrician1
5560		Services Electric Motor And Panel Components	0.25 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:00	5559	L Majoo,Electrician1
5561		Check Loose Connections In The Panel	0.25 hrs	Sat 13/05/23 08:00	Sat 13/05/23 08:15	5560	L Majoo,Electrician1
5562		Check Contactor Contacts	0.25 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:30	5561	L Majoo,Electrician1
5563		Service Stop/Start	0.25 hrs	Sat 13/05/23 08:30	Sat 13/05/23 08:45	5562	L Majoo,Electrician1
5564		Check Fan Condition	0.25 hrs	Sat 13/05/23 08:45	Sat 13/05/23 09:00	5563	L Majoo,Electrician1
5565		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sat 13/05/23 09:00	Sat 13/05/23 09:15	5564	L Majoo,Electrician1
5566		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 13/05/23 09:15	Sat 13/05/23 09:30	5565	L Majoo,Electrician1
5567		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sat 13/05/23 09:30	Sat 13/05/23 09:45	5566	L Majoo,Electrician1
5568		Seal For Moisture And Dust	0.25 hrs	Sat 13/05/23 09:45	Sat 13/05/23 10:00	5567	L Majoo,Electrician1
5569		Confirm Correct Protection Settings	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15	5568	L Majoo,Electrician1
5570		Clear Permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	5569	L Majoo,Electrician1
5571	**29A2RM01**	**# A BICARBONATE STAR FEEDER - Services Electric Motor And Panel Components**	**3.5 hrs**	**Sat 13/05/23 10:30**	**Sat 13/05/23 14:30**	**5555**	
5572		Make Out Permit	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45		Operations
5573		Accept Permit	0.25 hrs	Sat 13/05/23 10:45	Sat 13/05/23 11:00	5572	L Majoo,Electrician1
5574		Carry Out Electrical Isolation	0.25 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:15	5573	L Majoo,Electrician1
5575		Services Electric Motor And Panel Components	0.25 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:30	5574	L Majoo,Electrician1
5576		Check Loose Connections In The Panel	0.25 hrs	Sat 13/05/23 11:30	Sat 13/05/23 11:45	5575	L Majoo,Electrician1
5577		Check Contactor Contacts	0.25 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:00	5576	L Majoo,Electrician1
5578		Service Stop/Start	0.25 hrs	Sat 13/05/23 12:30	Sat 13/05/23 12:45	5577	L Majoo,Electrician1
5579		Check Fan Condition	0.25 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:00	5578	L Majoo,Electrician1
5580		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:15	5579	L Majoo,Electrician1
5581		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 13/05/23 13:15	Sat 13/05/23 13:30	5580	L Majoo,Electrician1
5582		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sat 13/05/23 13:30	Sat 13/05/23 13:45	5581	L Majoo,Electrician1
5583		Seal For Moisture And Dust	0.25 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:00	5582	L Majoo,Electrician1
5584		Confirm Correct Protection Settings	0.25 hrs	Sat 13/05/23 14:00	Sat 13/05/23 14:15	5583	L Majoo,Electrician1
5585		Clear Permit	0.25 hrs	Sat 13/05/23 14:15	Sat 13/05/23 14:30	5584	L Majoo,Electrician1
5586	**29A2RM02**	**# A RECYCLE SODA ASH STAR FEEDER - Services Electric Motor And Panel Components**	**4 hrs**	**Sat 13/05/23 14:30**	**Sun 14/05/23 07:30**	**5571**	
5587		Make Out Permit	0.25 hrs	Sat 13/05/23 14:30	Sat 13/05/23 14:45		Operations
5588		Accept Permit	0.25 hrs	Sat 13/05/23 14:45	Sat 13/05/23 15:00	5587	L Majoo,Electrician1
5589		Carry Out Electrical Isolation	0.25 hrs	Sat 13/05/23 15:00	Sat 13/05/23 15:15	5588	L Majoo,Electrician1
5590		Services Electric Motor And Panel Components	0.25 hrs	Sat 13/05/23 15:15	Sat 13/05/23 15:30	5589	L Majoo,Electrician1
5591		Check Loose Connections In The Panel	0.25 hrs	Sat 13/05/23 15:30	Sat 13/05/23 15:45	5590	L Majoo,Electrician1
5592		Clean VSD air vents	0.5 hrs	Sat 13/05/23 15:45	Sat 13/05/23 16:15	5591	L Majoo,Electrician1
5593		Check Contactor Contacts	0.25 hrs	Sat 13/05/23 16:15	Sat 13/05/23 16:30	5592	L Majoo,Electrician1
5594		Service Stop/Start	0.25 hrs	Sat 13/05/23 16:30	Sat 13/05/23 16:45	5593	L Majoo,Electrician1
5595		Check Fan Condition	0.25 hrs	Sat 13/05/23 16:45	Sat 13/05/23 17:00	5594	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5596		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sat 13/05/23 17:00	Sat 13/05/23 17:15	5595	L Majoo,Electrician1
5597		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 13/05/23 17:15	Sat 13/05/23 17:30	5596	L Majoo,Electrician1
5598		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sat 13/05/23 17:30	Sat 13/05/23 17:45	5597	L Majoo,Electrician1
5599		Seal For Moisture And Dust	0.25 hrs	Sat 13/05/23 17:45	Sat 13/05/23 18:00	5598	L Majoo,Electrician1
5600		Confirm Correct Protection Settings	0.25 hrs	Sun 14/05/23 07:00	Sun 14/05/23 07:15	5599	L Majoo,Electrician1
5601		Clear Permit	0.25 hrs	Sun 14/05/23 07:15	Sun 14/05/23 07:30	5600	L Majoo,Electrician1
5602	**29A2RM03**	**# A CALCINER DISCHARGE STAR FEEDER - Services Electric Motor And Panel Components**	**56.25 hrs**	**Sun 14/05/23 07:30**	**Fri 19/05/23 11:15**	**5586**	
5603		Make Out Permit	0.25 hrs	Sun 14/05/23 07:30	Sun 14/05/23 07:45		Operations
5604		Accept Permit	0.25 hrs	Sun 14/05/23 07:45	Sun 14/05/23 08:00	5603	L Majoo,Electrician1
5605		Carry Out Electrical Isolation	0.25 hrs	Sun 14/05/23 08:00	Sun 14/05/23 08:15	5604	L Majoo,Electrician1
5606		Disconnect motor	2 hrs	Sun 14/05/23 08:15	Sun 14/05/23 10:15	5605	G Moeseraela,T Moloi,M Ramosomana
5607		Disconnect motor	0.5 hrs	Sun 14/05/23 10:15	Sun 14/05/23 10:45	5606	L Majoo,Electrician1
5608		Send motor for repairs	48 hrs	Sun 14/05/23 10:45	Thu 18/05/23 17:15	5607	L Majoo,Electrician1,Riggers,M_Crane7
5609		Service Electric Motor And Panel Components	0.25 hrs	Thu 18/05/23 17:15	Thu 18/05/23 17:30	5608	L Majoo,Electrician1
5610		Check Loose Connections In The Panel	0.25 hrs	Thu 18/05/23 17:30	Thu 18/05/23 17:45	5609	L Majoo,Electrician1
5611		Check Contactor Contacts	0.25 hrs	Thu 18/05/23 17:45	Thu 18/05/23 18:00	5610	L Majoo,Electrician1
5612		Service Stop/Start	0.25 hrs	Fri 19/05/23 07:00	Fri 19/05/23 07:15	5611	L Majoo,Electrician1
5613		Check Fan Condition	0.25 hrs	Fri 19/05/23 07:15	Fri 19/05/23 07:30	5612	L Majoo,Electrician1
5614		Inspect gearbox seal for leaks	0.5 hrs	Fri 19/05/23 07:30	Fri 19/05/23 08:00	5613	M Ramosomana,M Kene,L Majoo,Electr
5615		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 19/05/23 08:00	Fri 19/05/23 08:15	5614	L Majoo,Electrician1
5616		Install motor	1.5 hrs	Fri 19/05/23 08:15	Fri 19/05/23 09:45	5615	Riggers,M_Crane7T
5617		Connect motor	0.75 hrs	Fri 19/05/23 09:45	Fri 19/05/23 10:30	5616	L Majoo,Electrician1
5618		Seal For Moisture And Dust	0.25 hrs	Fri 19/05/23 10:30	Fri 19/05/23 10:45	5617	L Majoo,Electrician1
5619		Confirm Correct Protection Settings	0.25 hrs	Fri 19/05/23 10:45	Fri 19/05/23 11:00	5618	L Majoo,Electrician1
5620		Clear Permit	0.25 hrs	Fri 19/05/23 11:00	Fri 19/05/23 11:15	5619	L Majoo,Electrician1
5621	**29A2GL01**	**A DOUBLE SHAFT MIXER - Motor replacement**	**3.75 hrs**	**Fri 19/05/23 11:15**	**Fri 19/05/23 15:30**	**5602**	
5622		Fabricate cable racks prior	0 hrs	Fri 19/05/23 11:15	Fri 19/05/23 11:15		Fab. Workshop
5623		Make out permit	0.25 hrs	Fri 19/05/23 11:15	Fri 19/05/23 11:30	5622	Operations
5624		Accept permit	0.25 hrs	Fri 19/05/23 11:30	Fri 19/05/23 11:45	5623	L Majoo,Electrician1
5625		Carry out Electrical isolation	0.25 hrs	Fri 19/05/23 11:45	Fri 19/05/23 12:00	5624	Operations
5626		Check loose connections in the panel	0.5 hrs	Fri 19/05/23 12:30	Fri 19/05/23 13:00	5625	L Majoo,Electrician1
5627		Clean panel interior	0.25 hrs	Fri 19/05/23 13:00	Fri 19/05/23 13:15	5626	L Majoo,Electrician1
5628		Check Contactor contacts	0.25 hrs	Fri 19/05/23 13:15	Fri 19/05/23 13:30	5627	M Ramosomana,M Kene
5629		Service U/S circuit	0.25 hrs	Fri 19/05/23 13:30	Fri 19/05/23 13:45	5628	M Ramosomana,M Kene
5630		Service Stop/start	0.25 hrs	Fri 19/05/23 13:45	Fri 19/05/23 14:00	5629	L Majoo,Electrician1
5631		Check fan condition	0.25 hrs	Fri 19/05/23 14:00	Fri 19/05/23 14:15	5630	L Majoo,Electrician1
5632		Check cable terminal leads for over heating	0.25 hrs	Fri 19/05/23 14:15	Fri 19/05/23 14:30	5631	L Majoo,Electrician1
5633		Tighten Motor connections& Gland intergrity	0.25 hrs	Fri 19/05/23 14:30	Fri 19/05/23 14:45	5632	L Majoo,Electrician1
5634		Seal for Moisture and dust.	0.25 hrs	Fri 19/05/23 14:45	Fri 19/05/23 15:00	5633	L Majoo,Electrician1
5635		Confirm correct protection settings	0.25 hrs	Fri 19/05/23 15:00	Fri 19/05/23 15:15	5634	L Majoo,Electrician1
5636		Clear permit	0.25 hrs	Fri 19/05/23 15:15	Fri 19/05/23 15:30	5635	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5637		**INSTRUMENTATION**	**111.25 hrs**	**Fri 05/05/23 07:45**	**Mon 15/05/23 14:30**	**4835**	
5638	**29LC101**	**# A CONDENSATE COLLECTING TANK - overhaul valve**	**9 hrs**	**Fri 05/05/23 07:45**	**Fri 05/05/23 17:15**		
5639		Make out permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		Operations
5640		Accept permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5639	O Jacob,K Dijeng
5641		Disconnect instruments	1 hr	Fri 05/05/23 08:15	Fri 05/05/23 09:15	5640	O Jacob,K Dijeng
5642		Remove valve	2 hrs	Fri 05/05/23 09:15	Fri 05/05/23 11:15	5641	Aveng,O Jacob,K Dijeng,M Ramosoman
5643		Overhaul valve	3 hrs	Fri 05/05/23 11:15	Fri 05/05/23 14:45	5642	O Jacob,K Dijeng
5644		Install valve	2 hrs	Fri 05/05/23 14:45	Fri 05/05/23 16:45	5643	O Jacob,K Dijeng,M Ramosomana,M Ke
5645		Stroke check valve	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	5644	O Jacob,K Dijeng
5646		Clear permit	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	5645	O Jacob,K Dijeng
5647	**29LXV101**	**# A PRESSURE RELIEF VALVE - overhaul valve**	**9 hrs**	**Fri 05/05/23 17:15**	**Sat 06/05/23 15:45**	**5638**	
5648		Make out permit	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30		Operations
5649		Accept permit	0.25 hrs	Fri 05/05/23 17:30	Fri 05/05/23 17:45	5648	O Jacob,K Dijeng
5650		Disconnect instruments	1 hr	Fri 05/05/23 17:45	Sat 06/05/23 07:45	5649	O Jacob,K Dijeng
5651		Remove valve	2 hrs	Sat 06/05/23 07:45	Sat 06/05/23 09:45	5650	Aveng,O Jacob,K Dijeng,M Ramosoman
5652		Overhaul valve	3 hrs	Sat 06/05/23 09:45	Sat 06/05/23 13:15	5651	O Jacob,K Dijeng
5653		Install valve	2 hrs	Sat 06/05/23 13:15	Sat 06/05/23 15:15	5652	O Jacob,K Dijeng,M Ramosomana,M Ke
5654		Stroke check valve	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	5653	O Jacob,K Dijeng
5655		Clear permit	0.25 hrs	Sat 06/05/23 15:30	Sat 06/05/23 15:45	5654	O Jacob,K Dijeng
5656	**29PC144**	**# A CO2 COMPRESSOR SELF REGULATING VALVES - Inspect**	**2.75 hrs**	**Fri 05/05/23 07:45**	**Fri 05/05/23 10:30**		
5657		Make out permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		Operations
5658		Accept permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5657	O Jacob,K Dijeng
5659		Inspect valve	1 hr	Fri 05/05/23 08:15	Fri 05/05/23 09:15	5658	O Jacob,K Dijeng
5660		check calibration	1 hr	Fri 05/05/23 09:15	Fri 05/05/23 10:15	5659	O Jacob,K Dijeng
5661		Clear permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	5660	O Jacob,K Dijeng
5662		**# A CO2 COMPRESSOR DISCHARGE SHUT-OFF VALVE - Overhaul**	**13 hrs**	**Sat 06/05/23 15:45**	**Mon 08/05/23 07:15**	**5647**	
5663		Make out permit	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00		Operations
5664		Accept permit	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	5663	O Jacob,K Dijeng
5665		Disconnect instruments	1 hr	Sat 06/05/23 16:15	Sat 06/05/23 17:15	5664	O Jacob,K Dijeng
5666		Remove valve	3 hrs	Sat 06/05/23 17:15	Sun 07/05/23 09:15	5665	O Jacob,K Dijeng,M Ramosomana,M Ke
5667		Overhaul valve	4 hrs	Sun 07/05/23 09:15	Sun 07/05/23 13:45	5666	O Jacob,K Dijeng
5668		Install valve	4 hrs	Sun 07/05/23 13:45	Sun 07/05/23 17:45	5667	O Jacob,K Dijeng,M Ramosomana,M Ke
5669		Stroke check valve	0.25 hrs	Sun 07/05/23 17:45	Sun 07/05/23 18:00	5668	O Jacob,K Dijeng
5670		Clear permit	0.25 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:15	5669	O Jacob,K Dijeng
5671		**# A CO2 COMPRESSOR PRESSURE GAUGES - calibrate & mark gauges**	**11 hrs**	**Mon 08/05/23 07:15**	**Tue 09/05/23 07:45**	**5662**	
5672		Make out permit	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30		Operations
5673		Accept permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	5672	O Jacob,K Dijeng
5674		Remove gauges	2 hrs	Mon 08/05/23 07:45	Mon 08/05/23 09:45	5673	O Jacob,K Dijeng
5675		Calibrate & mark gauges	5 hrs	Mon 08/05/23 09:45	Mon 08/05/23 15:15	5674	O Jacob,K Dijeng
5676		Replace gauges	3 hrs	Mon 08/05/23 15:15	Tue 09/05/23 07:15	5675	O Jacob,K Dijeng
5677		Clear permit	0.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:45	5676	O Jacob,K Dijeng
5678	**29PC103**	**# A CALCINER PRESSURE CONTROL VALVE - overhaul valve**	**13 hrs**	**Tue 09/05/23 07:45**	**Wed 10/05/23 10:15**	**5671**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5679		Make out permit	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00		Operations
5680		Accept permit	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	5679	O Jacob,K Dijeng
5681		Disconnect instruments	1 hr	Tue 09/05/23 08:15	Tue 09/05/23 09:15	5680	O Jacob,K Dijeng
5682		Remove valve	3 hrs	Tue 09/05/23 09:15	Tue 09/05/23 12:45	5681	G Moeseraela,T Moloi,K Gabantogele,C
5683		Overhaul valve	5 hrs	Tue 09/05/23 12:45	Tue 09/05/23 17:45	5682	Aveng,O Jacob,K Dijeng
5684		Install valve	3 hrs	Tue 09/05/23 17:45	Wed 10/05/23 09:45	5683	Aveng,G Moeseraela,T Moloi,K Gabant
5685		Stroke check valve	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00	5684	O Jacob,K Dijeng
5686		Clear permit	0.25 hrs	Wed 10/05/23 10:00	Wed 10/05/23 10:15	5685	O Jacob,K Dijeng
5687	**29LC106**	**# A SCRUBBER LEVEL CONTROL VALVE - overhaul valve**	**12 hrs**	**Wed 10/05/23 10:15**	**Thu 11/05/23 11:45**	**5678**	
5688		Make out permit	0.25 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:30		Operations
5689		Accept permit	0.25 hrs	Wed 10/05/23 10:30	Wed 10/05/23 10:45	5688	O Jacob,K Dijeng
5690		Disconnect instruments	1 hr	Wed 10/05/23 10:45	Wed 10/05/23 11:45	5689	O Jacob,K Dijeng
5691		Remove valve	3 hrs	Wed 10/05/23 11:45	Wed 10/05/23 15:15	5690	O Jacob,K Dijeng,G Moeseraela,K Gaba
5692		Overhaul valve	4 hrs	Wed 10/05/23 15:15	Thu 11/05/23 08:15	5691	O Jacob,K Dijeng
5693		Install valve	3 hrs	Thu 11/05/23 08:15	Thu 11/05/23 11:15	5692	G Moeseraela,T Moloi,K Gabantogele,C
5694		Stroke check valve	0.25 hrs	Thu 11/05/23 11:15	Thu 11/05/23 11:30	5693	O Jacob,K Dijeng
5695		Clear permit	0.25 hrs	Thu 11/05/23 11:30	Thu 11/05/23 11:45	5694	O Jacob,K Dijeng
5696	**29LC111A**	**# A CO2 COMPRESSOR CONDENSATE RECEIVER LEVEL - overhaul valve**	**10 hrs**	**Thu 11/05/23 11:45**	**Fri 12/05/23 11:15**	**5687**	
5697		Make out permit	0.25 hrs	Thu 11/05/23 11:45	Thu 11/05/23 12:00		Operations
5698		Accept permit	0.25 hrs	Thu 11/05/23 12:30	Thu 11/05/23 12:45	5697	O Jacob,K Dijeng
5699		Disconnect instruments	1 hr	Thu 11/05/23 12:45	Thu 11/05/23 13:45	5698	O Jacob,K Dijeng
5700		Remove valve	2 hrs	Thu 11/05/23 13:45	Thu 11/05/23 15:45	5699	O Jacob,K Dijeng,M Ramosomana,M Ke
5701		Overhaul valve	4 hrs	Thu 11/05/23 15:45	Fri 12/05/23 08:45	5700	O Jacob,K Dijeng
5702		Install valve	2 hrs	Fri 12/05/23 08:45	Fri 12/05/23 10:45	5701	O Jacob,K Dijeng,M Ramosomana,M Ke
5703		Stroke check valve	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	5702	O Jacob,K Dijeng
5704		Clear permit	0.25 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:15	5703	O Jacob,K Dijeng
5705	**29LC111B**	**# CO2 COMPRESSOR CONDENSATE RECEIVER LEVEL - overhaul valve**	**10 hrs**	**Fri 12/05/23 11:15**	**Sat 13/05/23 10:45**	**5696**	
5706		Make out permit	0.25 hrs	Fri 12/05/23 11:15	Fri 12/05/23 11:30		Operations
5707		Accept permit	0.25 hrs	Fri 12/05/23 11:30	Fri 12/05/23 11:45	5706	O Jacob,K Dijeng
5708		Disconnect instruments	1 hr	Fri 12/05/23 11:45	Fri 12/05/23 13:15	5707	O Jacob,K Dijeng
5709		Remove valve	2 hrs	Fri 12/05/23 13:15	Fri 12/05/23 15:15	5708	O Jacob,K Dijeng,M Ramosomana,M Ke
5710		Overhaul valve	4 hrs	Fri 12/05/23 15:15	Sat 13/05/23 08:15	5709	O Jacob,K Dijeng
5711		Install valve	2 hrs	Sat 13/05/23 08:15	Sat 13/05/23 10:15	5710	O Jacob,K Dijeng,M Ramosomana,M Ke
5712		Stroke check valve	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	5711	O Jacob,K Dijeng
5713		Clear permit	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	5712	O Jacob,K Dijeng
5714	**29LC110**	**# CO2 COMPRESSOR SEAL WATER RECEIVER LEVEL - overhaul valve**	**10 hrs**	**Sat 13/05/23 10:45**	**Sun 14/05/23 10:15**	**5705**	
5715		Make out permit	0.25 hrs	Sat 13/05/23 10:45	Sat 13/05/23 11:00		Operations
5716		Accept permit	0.25 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:15	5715	O Jacob,K Dijeng
5717		Disconnect instruments	1 hr	Sat 13/05/23 11:15	Sat 13/05/23 12:45	5716	O Jacob,K Dijeng
5718		Remove valve	2 hrs	Sat 13/05/23 12:45	Sat 13/05/23 14:45	5717	O Jacob,K Dijeng,M Ramosomana,M Ke
5719		Overhaul valve	4 hrs	Sat 13/05/23 14:45	Sun 14/05/23 07:45	5718	O Jacob,K Dijeng
5720		Install valve	2 hrs	Sun 14/05/23 07:45	Sun 14/05/23 09:45	5719	O Jacob,K Dijeng,M Ramosomana,M Ke

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5721		Stroke check valve	0.25 hrs	Sun 14/05/23 09:45	Sun 14/05/23 10:00	5720	O Jacob,K Dijeng
5722		Clear permit	0.25 hrs	Sun 14/05/23 10:00	Sun 14/05/23 10:15	5721	O Jacob,K Dijeng
5723	**29ZI 101**	**# A CO2 COMPRESSOR - Inspect thrust bearing position monitoring system**	**2.75 hrs**	**Sun 14/05/23 10:15**	**Sun 14/05/23 13:30**	**5714**	
5724		Make out permit	0.25 hrs	Sun 14/05/23 10:15	Sun 14/05/23 10:30		Operations
5725		Accept permit	0.25 hrs	Sun 14/05/23 10:30	Sun 14/05/23 10:45	5724	O Jacob,K Dijeng
5726		Inspect the system	2 hrs	Sun 14/05/23 10:45	Sun 14/05/23 13:15	5725	O Jacob,K Dijeng
5727		Clear permit	0.25 hrs	Sun 14/05/23 13:15	Sun 14/05/23 13:30	5726	O Jacob,K Dijeng
5728	**29ZI 102**	**# A CO2 COMPRESSOR - Inspect thrust bearing position monitoring system**	**2.75 hrs**	**Sun 14/05/23 13:30**	**Sun 14/05/23 16:15**	**5723**	
5729		Make out permit	0.25 hrs	Sun 14/05/23 13:30	Sun 14/05/23 13:45		Operations
5730		Accept permit	0.25 hrs	Sun 14/05/23 13:45	Sun 14/05/23 14:00	5729	O Jacob,K Dijeng
5731		Inspect the system	2 hrs	Sun 14/05/23 14:00	Sun 14/05/23 16:00	5730	O Jacob,K Dijeng
5732		Clear permit	0.25 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:15	5731	O Jacob,K Dijeng
5733		**# A CO2 COMPRESSOR - Calibrate instruments**	**8.75 hrs**	**Sun 14/05/23 16:15**	**Mon 15/05/23 14:30**	**5728**	
5734		Make out permit	0.25 hrs	Sun 14/05/23 16:15	Sun 14/05/23 16:30		Operations
5735		Accept permit	0.25 hrs	Sun 14/05/23 16:30	Sun 14/05/23 16:45	5734	O Jacob,K Dijeng
5736		Disconnect instruments	1 hr	Sun 14/05/23 16:45	Sun 14/05/23 17:45	5735	O Jacob,K Dijeng
5737		Calibrate instruments	5 hrs	Sun 14/05/23 17:45	Mon 15/05/23 11:45	5736	O Jacob,K Dijeng
5738		Reconnect instruments	2 hrs	Mon 15/05/23 11:45	Mon 15/05/23 14:15	5737	O Jacob,K Dijeng
5739		Clear permit	0.25 hrs	Mon 15/05/23 14:15	Mon 15/05/23 14:30	5738	O Jacob,K Dijeng
5740	**53LC505**	**# CALCINER FLASH TANK LEVEL - overhaul valve**	**10.25 hrs**	**Fri 05/05/23 07:45**	**Sat 06/05/23 07:30**		
5741		Make out permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		Operations
5742		Accept permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	5741	O Jacob,K Dijeng
5743		Disconnect instruments	1 hr	Fri 05/05/23 08:15	Fri 05/05/23 09:15	5742	O Jacob,K Dijeng
5744		Remove valve	2 hrs	Fri 05/05/23 09:15	Fri 05/05/23 11:15	5743	G Moeseraela,T Moloi,K Gabantogele,C
5745		Overhaul valve	3 hrs	Fri 05/05/23 11:15	Fri 05/05/23 14:45	5744	Aveng,O Jacob,K Dijeng,M Ramosoman
5746		Install valve	3 hrs	Fri 05/05/23 14:45	Fri 05/05/23 17:45	5745	Aveng,G Moeseraela,T Moloi,K Gabant
5747		Stroke check valve	0.25 hrs	Fri 05/05/23 17:45	Fri 05/05/23 18:00	5746	O Jacob,K Dijeng
5748		Clear permit	0.5 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:30	5747	O Jacob,K Dijeng
5749	**Area 29A**	**CALCINER - B LINE**	**211.5 hrs**	**Wed 03/05/23 06:30**	**Tue 23/05/23 08:30**		
5750		**OPERATIONS**	**31.5 hrs**	**Wed 03/05/23 06:30**	**Fri 05/05/23 19:30**		
5751	**29B2GR02**	**CALCINER B - Shutdown & Cleaning**	**21.25 hrs**	**Wed 03/05/23 06:30**	**Fri 05/05/23 07:15**		
5752		Organize Hoses Prior	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		Operations
5753		Empty Calciner	4 hrs	Wed 03/05/23 06:30	Wed 03/05/23 10:30	5752	Operations
5754		Depressurize The Calciner System	2 hrs	Wed 03/05/23 10:30	Wed 03/05/23 12:30	5753	Operations
5755		Swing Elbow	1 hr	Wed 03/05/23 12:30	Wed 03/05/23 13:30	5754	M Ramosomana,M Kene
5756		Force Cool	8 hrs	Wed 03/05/23 13:30	Wed 03/05/23 21:30	5755	Operations
5757		Open All Mixer Covers	2 hrs	Thu 04/05/23 07:00	Thu 04/05/23 09:00	5756	M Ramosomana,M Kene
5758		Open Calciner Drain Cover	0.5 hrs	Thu 04/05/23 09:00	Thu 04/05/23 09:30	5757	Operations
5759		Open Discharge Screw Bottom Covers	0.5 hrs	Thu 04/05/23 09:30	Thu 04/05/23 10:00	5758	M Ramosomana,M Kene
5760		Run Calciner On Main Drive	0.25 hrs	Thu 04/05/23 10:00	Thu 04/05/23 10:15	5759	Operations
5761		Wash Calciner	21 hrs	Thu 04/05/23 10:15	Fri 05/05/23 07:15	5760	Operations
5762		**PLANT STRUCTURE - Washing**	**31.5 hrs**	**Wed 03/05/23 06:30**	**Fri 05/05/23 18:30**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5763		Wash Calcining plant structure	60 hrs	Wed 03/05/23 06:30	Fri 05/05/23 18:30		Operations
5764	**29B2FB01**	**# B SEAL WATER TANK - Drain & Clean Out Seal Water Tank**	**6.75 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 14:15**		
5765		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
5766		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	5765	M Ramosomana,M Kene
5767		Drain Tank	0.5 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:45	5766	Operations
5768		Open Tank	1 hr	Wed 03/05/23 07:45	Wed 03/05/23 08:45	5767	M Ramosomana,M Kene
5769		Rig Out Cover	1 hr	Wed 03/05/23 08:45	Wed 03/05/23 09:45	5768	M-Crane 7Ton,G Moeseraela,T Moloi,K
5770		Inspect Tank Internals	0.5 hrs	Wed 03/05/23 09:45	Wed 03/05/23 10:15	5769	Inspector
5771		Clean Out Tank	2 hrs	Wed 03/05/23 10:15	Wed 03/05/23 12:15	5770	Operations
5772		Box Up	0.5 hrs	Wed 03/05/23 12:30	Wed 03/05/23 13:00	5771	M Ramosomana,M Kene
5773		Rig In Cover	1 hr	Wed 03/05/23 13:00	Wed 03/05/23 14:00	5772	M-Crane 7Ton,G Moeseraela,T Moloi,K
5774		Clear Permit	0.25 hrs	Wed 03/05/23 14:00	Wed 03/05/23 14:15	5773	M Ramosomana,M Kene
5775	**29A2EA04**	**# B SCRUBBER CONDENSATE COOLER - Soak For Cleaning**	**5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 12:00**		
5776		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
5777		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	5776	M Ramosomana,M Kene
5778		Soak For Cleaning (Acid Wash)	4 hrs	Wed 03/05/23 07:15	Wed 03/05/23 11:15	5777	Operations
5779		Drain Cooler	0.5 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:45	5778	M Ramosomana,M Kene
5780		Clear Permit	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00	5779	M Ramosomana,M Kene
5781	**29B2DK02**	**INSPECTION& CLEANING - Scrubber B**	**31.5 hrs**	**Wed 03/05/23 06:30**	**Fri 05/05/23 19:30**		
5782		Organize Rings Prior	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		Operations
5783		Circulate With Citric Acid	10 hrs	Wed 03/05/23 06:30	Wed 03/05/23 16:30	5782	Operations
5784		Close Water To Sprays	0.25 hrs	Wed 03/05/23 16:30	Wed 03/05/23 16:45	5783	Operations
5785		Close Scrubber Makeup	0.25 hrs	Wed 03/05/23 16:45	Wed 03/05/23 17:00	5784	Operations
5786		Drain Scrubber	0.5 hrs	Wed 03/05/23 17:00	Wed 03/05/23 17:30	5785	Operations
5787		Issue Permit	0.25 hrs	Wed 03/05/23 17:30	Wed 03/05/23 17:45	5786	Operations
5788		Open Inspection Covers	2 hrs	Wed 03/05/23 17:45	Thu 04/05/23 08:45	5787	M Ramosomana,M Kene
5789		Carry Out Gas Test	0.5 hrs	Thu 04/05/23 08:45	Thu 04/05/23 09:15	5788	Lab
5790		Remove Scrubber Rachet Rings	20 hrs	Thu 04/05/23 09:15	Fri 05/05/23 05:15	5789	Operations
5791		Replace Rachet Rings	14 hrs	Fri 05/05/23 05:15	Fri 05/05/23 19:15	5790	Operations
5792		Clear Permits	0.25 hrs	Fri 05/05/23 19:15	Fri 05/05/23 19:30	5791	Operations
5793		**MAINTENANCE STARTS**	**0 hrs**	**Fri 05/05/23 07:15**	**Fri 05/05/23 07:15**	**5751**	
5794		Maintenance jobs commence	0 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:15		
5795		**MECHANICAL**	**211.5 hrs**	**Wed 03/05/23 06:30**	**Tue 23/05/23 08:30**		
5796	**29A2GR02**	**# B CALCINER - Replace outlet and rotate inlet trunnion rollers**	**72 hrs**	**Fri 05/05/23 07:15**	**Thu 11/05/23 16:45**	**5793**	
5797		Make out permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
5798		Accept permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	5797	M Ramosomana,M Kene
5799		Carry out risk assesment	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	5798	M Ramosomana,M Kene
5800		Disconnect all lube pipes,mark and blank them	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	5799	M Ramosomana,M Kene
5801		Mark and remove guards	0.25 hrs	Fri 05/05/23 08:30	Fri 05/05/23 08:45	5800	M Ramosomana,M Kene
5802		Clean old grease from grease tray	24 hrs	Fri 05/05/23 08:45	Sun 07/05/23 11:45	5801	M Ramosomana,M Kene
5803		Position the jack holders,jacks and pads,then secure in place	0.5 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:45	5802	M Ramosomana,M Kene
5804		Lift calciner with 100T jacks	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	5803	G Moeseraela,K Gabantogele,T Moloi,M

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5805		Lift the roller frame using the adjusting bolts	0.25 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:15	5804	G Moeseraela,K Gabantogele,T Moloi,N
5806		Remove the support for the pin	6 hrs	Sun 07/05/23 13:15	Mon 08/05/23 08:15	5805	M Ramosomana,M Kene
5807		Slide the craddle in position and attach the roller frame to it	6 hrs	Mon 08/05/23 08:15	Mon 08/05/23 14:45	5806	M Ramosomana,M Kene
5808		Support the craddle using the spreader beam	6 hrs	Mon 08/05/23 14:45	Tue 09/05/23 09:45	5807	M Ramosomana,M Kene
5809		Remove the pin locking device(clamp)	6 hrs	Tue 09/05/23 09:45	Tue 09/05/23 16:15	5808	M Ramosomana,M Kene
5810		Loosen the adjusting bolts to create the gap between the tyre and roller	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	5809	M Ramosomana,M Kene
5811		Anchor the chain block and support the pin,then remove the pin	0.5 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:15	5810	M Ramosomana,M Kene
5812		Lift the craddle to remove the roller frame and place it on a suitable place	4.25 hrs	Tue 09/05/23 17:15	Wed 10/05/23 10:30	5811	G Moeseraela,K Gabantogele,T Moloi,N
5813		Remove the holding down clamps and a locking plate	0.25 hrs	Wed 10/05/23 10:30	Wed 10/05/23 10:45	5812	M Ramosomana,M Kene
5814		Lift the roller and remove it	0.25 hrs	Wed 10/05/23 10:45	Wed 10/05/23 11:00	5813	G Moeseraela,K Gabantogele,T Moloi,N
5815		Clean thoroughly,inspect the housing for wear and debur accordinly	0.75 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:45	5814	M Ramosomana,M Kene
5816		Clean the new roller and prepare for assembling	0.75 hrs	Wed 10/05/23 11:45	Wed 10/05/23 13:00	5815	M Ramosomana,M Kene
5817		Lift the new rollers and position them such that flat spot is aligned with the frar	0.25 hrs	Wed 10/05/23 13:00	Wed 10/05/23 13:15	5816	G Moeseraela,K Gabantogele,T Moloi,N
5818		Replace the holding down clamps and lock them	0.25 hrs	Wed 10/05/23 13:15	Wed 10/05/23 13:30	5817	M Ramosomana,M Kene
5819		Lift the craddle,slide it in position and align the holes(pin hole)	0.25 hrs	Wed 10/05/23 13:30	Wed 10/05/23 13:45	5818	G Moeseraela,K Gabantogele,T Moloi,N
5820		Position the pin bushes in the housing	2 hrs	Wed 10/05/23 13:45	Wed 10/05/23 15:45	5819	M Ramosomana,M Kene
5821		Anchor the chain block and support the pin.	2 hrs	Wed 10/05/23 15:45	Wed 10/05/23 17:45	5820	M Ramosomana,M Kene
5822		Align the pin with holes and slide it into position and lock it	0.25 hrs	Wed 10/05/23 17:45	Wed 10/05/23 18:00	5821	M Ramosomana,M Kene
5823		Remove the chain block,hoist down the cradle and remove the spreader beam	4 hrs	Thu 11/05/23 07:00	Thu 11/05/23 11:00	5822	M Ramosomana,M Kene
5824		Install pin support frame,then adjust it to the correct position and secure	0.25 hrs	Thu 11/05/23 11:00	Thu 11/05/23 11:15	5823	M Ramosomana,M Kene
5825		Carefully lower the calciner and remove the pads	1 hr	Thu 11/05/23 11:15	Thu 11/05/23 12:45	5824	M Ramosomana,M Kene
5826		Remove the jacks and holders,then scew back the bolts in position	0.5 hrs	Thu 11/05/23 12:45	Thu 11/05/23 13:15	5825	M Ramosomana,M Kene
5827		Replace guards and secure them	0.5 hrs	Thu 11/05/23 13:15	Thu 11/05/23 13:45	5826	M Ramosomana,M Kene
5828		Re connect lube oil pipes	1.5 hrs	Thu 11/05/23 13:45	Thu 11/05/23 15:15	5827	M Ramosomana,M Kene
5829		Carry out house keeping	1 hr	Thu 11/05/23 15:15	Thu 11/05/23 16:15	5828	M Ramosomana,M Kene
5830		Sign off the permit	0.25 hrs	Thu 11/05/23 16:15	Thu 11/05/23 16:30	5829	M Ramosomana,M Kene
5831		Clear the permit	0.25 hrs	Thu 11/05/23 16:30	Thu 11/05/23 16:45	5830	M Ramosomana,M Kene
5832	**29A2GL02**	**# B DOUBLE SHAFT MIXER - Weld Housing And Inspect Deva Bearings**	**79.75 hrs**	**Fri 05/05/23 07:15**	**Fri 12/05/23 14:00**	**5793**	
5833		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
5834		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	5833	P Dara
5835		Gouge Out The Worn Out Spiral Supports	30 hrs	Fri 05/05/23 07:45	Sun 07/05/23 17:15	5834	P Dara
5836		Clean Area,Make It Ready For Welding	24 hrs	Sun 07/05/23 17:15	Wed 10/05/23 09:15	5835	P Dara
5837		Install The Supports (Replace) & Weld	18 hrs	Wed 10/05/23 09:15	Thu 11/05/23 17:15	5836	P Dara
5838		Check The Welded Areas For Cracks	6 hrs	Thu 11/05/23 17:15	Fri 12/05/23 12:45	5837	P Dara
5839		Remove All Equipment Before Turning The Mixture	0.5 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:15	5838	P Dara
5840		Inspect Welds	0.5 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:45	5839	S Monna,M Ramatlhakeng
5841		Clear Permit	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	5840	M Ramosomana,M Kene
5842	**29A2GL02**	**# B DOUBLE SHAFT MIXER - Replace couplings and service gearbox**	**76.75 hrs**	**Fri 05/05/23 07:15**	**Fri 12/05/23 10:30**	**5793**	
5843		Make out permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
5844		Accept permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	5843	M Ramosomana,M Kene
5845		Remove guard	0.5 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:15	5844	M Ramosomana,M Kene
5846		Uncouple motor/gearbox	1.5 hrs	Fri 05/05/23 08:15	Fri 05/05/23 09:45	5845	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5847		Remove gearbox mounting bolts	2 hrs	Fri 05/05/23 09:45	Fri 05/05/23 11:45	5846	M Ramosomana,M Kene
5848		Remove output shaft coupling bolts	3 hrs	Fri 05/05/23 11:45	Fri 05/05/23 15:15	5847	M Ramatlhakeng,S Monna,M Ramosom
5849		Rig out gearbox	2 hrs	Fri 05/05/23 15:15	Fri 05/05/23 17:15	5848	Crane,G Moeseraela,T Moloi
5850		Open and inspect split bearings	12 hrs	Fri 05/05/23 17:15	Sun 07/05/23 07:45	5849	M Ramosomana,M Kene
5851		Open gearbox inspection covers	1 hr	Sun 07/05/23 07:45	Sun 07/05/23 08:45	5850	M Ramatlhakeng,S Monna,M_Crane35
5852		Inspect gears	0.5 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:15	5851	M Ramosomana,M Kene
5853		If gearbox is faulty, transport to workshop	0.5 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:45	5852	M Ramosomana,M Kene
5854		Drain oil	1 hr	Sun 07/05/23 09:45	Sun 07/05/23 10:45	5853	M Ramosomana,M Kene
5855		Remove half coupling	4 hrs	Sun 07/05/23 10:45	Sun 07/05/23 15:15	5854	M Ramosomana,M Kene
5856		Strip gearbox	10 hrs	Sun 07/05/23 15:15	Mon 08/05/23 14:45	5855	M Ramosomana,M Kene
5857		Inspect output shaft bearings	1 hr	Mon 08/05/23 14:45	Mon 08/05/23 15:45	5856	M Ramosomana,M Kene
5858		Replace worn out parts	10 hrs	Mon 08/05/23 15:45	Tue 09/05/23 15:15	5857	M Ramosomana,M Kene
5859		Clean shafts	1.5 hrs	Tue 09/05/23 15:15	Tue 09/05/23 16:45	5858	M Ramosomana,M Kene
5860		Box up gearbox	2 hrs	Tue 09/05/23 16:45	Wed 10/05/23 07:45	5859	M Ramosomana,M Kene
5861		Fit gearbox half coupling	6 hrs	Wed 10/05/23 07:45	Wed 10/05/23 14:15	5860	M Ramosomana,M Kene
5862		Transport gearbox to plant	0.5 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:45	5861	Crane lorry,G Moeseraela,T Moloi
5863		Fit couplings onto the screws	6 hrs	Wed 10/05/23 14:45	Thu 11/05/23 09:45	5862	M Ramosomana,M Kene
5864		Rig in and mount gearbox	2 hrs	Thu 11/05/23 09:45	Thu 11/05/23 11:45	5863	Crane,G Moeseraela,T Moloi
5865		Couple gearbox and screws	4 hrs	Thu 11/05/23 11:45	Thu 11/05/23 16:15	5864	M Ramosomana,M Kene
5866		Couple gearbox / motor	2 hrs	Thu 11/05/23 16:15	Fri 12/05/23 07:15	5865	M Ramosomana,M Kene,G Moeseraela
5867		Check alignment	1 hr	Fri 12/05/23 07:15	Fri 12/05/23 08:15	5866	M Ramosomana,M Kene
5868		Replace vee belts	1 hr	Fri 12/05/23 08:15	Fri 12/05/23 09:15	5867	M Ramosomana,M Kene
5869		Replace vee belt guards	1 hr	Fri 12/05/23 09:15	Fri 12/05/23 10:15	5868	M-Crane 7Ton,M Ramatlhakeng,S Mon
5870		Clear permit	0.25 hrs	Fri 12/05/23 10:15	Fri 12/05/23 10:30	5869	M Ramosomana,M Kene
5871	**29A2GR02**	**# B CALCINER - Inspect and replace inlet & outlet Deva Segments & Wear Plates**	**95.75 hrs**	**Fri 05/05/23 07:15**	**Sun 14/05/23 08:30**	**5793**	
5872		Erect Platform At The Inlet End	0 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:15		RSC Scaffolding
5873		Make out permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	5872	Operations
5874		Accept permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	5873	M Ramosomana,M Kene
5875		Conduct risk accessment	8 hrs	Fri 05/05/23 07:45	Fri 05/05/23 16:15	5874	M Ramosomana,M Kene
5876		Cut Out Bolts On Inlet End	12 hrs	Fri 05/05/23 16:15	Sat 06/05/23 17:45	5875	M Ramatlhakeng,S Monna
5877		Remove And Replace Deva Segments Inlet End	12 hrs	Sat 06/05/23 17:45	Mon 08/05/23 08:15	5876	M Ramosomana,M Kene
5878		Replace Wear Plates Inlet End	12 hrs	Mon 08/05/23 08:15	Tue 09/05/23 09:45	5877	M Ramosomana,M Kene
5879		Replace Ptfe Segments	3 hrs	Tue 09/05/23 09:45	Tue 09/05/23 13:15	5878	M Ramosomana,M Kene
5880		Cut Off Bolts On Discharge End (Stainless Steel)	12 hrs	Tue 09/05/23 13:15	Wed 10/05/23 14:45	5879	M Ramatlhakeng,S Monna
5881		Remove And Replace Inner Deva Segments Discharge End	12 hrs	Wed 10/05/23 14:45	Thu 11/05/23 16:15	5880	M Ramosomana,M Kene
5882		Remove And Replace Inner Wear Plates Discharge End	12 hrs	Thu 11/05/23 16:15	Fri 12/05/23 17:45	5881	M Ramosomana,M Kene
5883		Remove And Replace Outer Deva Segments Discharge End	12 hrs	Fri 12/05/23 17:45	Sun 14/05/23 08:15	5882	M Ramosomana,M Kene
5884		Clear Permit	0.25 hrs	Sun 14/05/23 08:15	Sun 14/05/23 08:30	5883	M Ramosomana,M Kene
5885	**29A2RM04**	**# B BICARBONATE STAR FEEDER - Overhaul Star Feeder**	**36.25 hrs**	**Wed 03/05/23 06:30**	**Sat 06/05/23 11:45**	**4887SS**	
5886		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
5887		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	5886	M Ramosomana,M Kene
5888		Carry Out Risk Assessment	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	5887	Operations,M Ramatlhakeng,S Monna,

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5889		Isolate And Lock Out	0.25 hrs	Wed 03/05/23 07:30	Wed 03/05/23 07:45	5888	Operations
5890		Remove The Geared Unit	1 hr	Wed 03/05/23 07:45	Wed 03/05/23 08:45	5889	M Ramosomana,M Kene,M Ramatlhake
5891		Remove All Mounting Bolts	1 hr	Wed 03/05/23 08:45	Wed 03/05/23 09:45	5890	M Ramosomana,M Kene
5892		Rig Out The Star Feeder	2 hrs	Wed 03/05/23 09:45	Wed 03/05/23 11:45	5891	G Moeseraela,T Moloi,K Gabantogele
5893		Transport To The Workshop	0.5 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:45	5892	M Ramosomana,M Kene,M Ramatlhake
5894		Overhaul The Star Feeder	24 hrs	Wed 03/05/23 12:45	Fri 05/05/23 15:45	5893	M Ramosomana,M Kene
5895		Transport To The Plant For Installation	0.5 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:15	5894	M Ramatlhakeng,S Monna,M_Crane35
5896		Install And Secure The Star Feeder And Ancillaries	6 hrs	Fri 05/05/23 16:15	Sat 06/05/23 11:15	5895	M Ramatlhakeng,S Monna,M_Crane35
5897		Carry Out House Keeping	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	5896	M Ramatlhakeng,S Monna,M_Crane35
5898		Clear Permit	0.25 hrs	Sat 06/05/23 11:30	Sat 06/05/23 11:45	5897	M Ramosomana,M Kene
5899	**29A2GL02**	**# B DOUBLE SHAFT MIXER - Carry Out Inspection on screws**	**36.25 hrs**	**Sat 06/05/23 11:45**	**Tue 09/05/23 17:00**	**5885**	
5900		Make Out Permit	0.25 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:00		Operations
5901		Accept Permit	0.25 hrs	Sat 06/05/23 12:30	Sat 06/05/23 12:45	5900	M Ramosomana,M Kene
5902		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:00	5901	M Ramosomana,M Kene
5903		Open The Manhole Cover	0.5 hrs	Sat 06/05/23 13:00	Sat 06/05/23 13:30	5902	M Ramosomana,M Kene
5904		Perform Gas Test	0.25 hrs	Sat 06/05/23 13:30	Sat 06/05/23 13:45	5903	Lab
5905		Enter And Inspect The Screw For Craks,Physical Damage And Deformation(Crack Test To Be Done Using The Dye Penetrant Method)	2 hrs	Sat 06/05/23 13:45	Sat 06/05/23 15:45	5904	M Ramosomana,M Kene,M Ramatlhakeng,S Monna
5906		Check If All Bolts Are In A Proper Position And Not Worn Out Or Brocken(Paddles,Flange And Pedestal Mouting Bolts)	3 hrs	Sat 06/05/23 15:45	Sun 07/05/23 07:45	5905	M Ramosomana,M Kene,M Ramatlhakeng,S Monna
5907		Check Deva Bearings For Physical Damage,Wear And Change If Necessary	2 hrs	Sun 07/05/23 07:45	Sun 07/05/23 09:45	5906	M Ramosomana,M Kene
5908		Confirm Clearances Between The Journal And The Bearing(0.5Mm)	2 hrs	Sun 07/05/23 09:45	Sun 07/05/23 11:45	5907	M Ramosomana,M Kene
5909		Disconnect Lube Pipes And Check Pipes For Blockages	2 hrs	Sun 07/05/23 11:45	Sun 07/05/23 14:15	5908	M Ramosomana,M Kene
5910		Clean The Oil Gallery And Blow With Compressed Air	0.5 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:45	5909	M Ramosomana,M Kene
5911		Connect The Manual Pump To The Supply Port	0.25 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:00	5910	M Ramosomana,M Kene
5912		Pump Oil Manually And Check If It Flows Out From The Other End,Then Reconnect The Pipes And Pump Again To See If It Will Flow Through The	2 hrs	Sun 07/05/23 15:00	Sun 07/05/23 17:00	5911	M Ramosomana,M Kene
5913		Normalize And Box Up If Ok Or Continue As Follows	1 hr	Sun 07/05/23 17:00	Sun 07/05/23 18:00	5912	M Ramosomana,M Kene
5914		Secure The Shafts Using Chain Block	0.5 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:30	5913	M Ramosomana,M Kene,G Moeseraela
5915		Cut The Securing Bolts And Remove The Bottom Shell(Intermediate Shaft)	3 hrs	Mon 08/05/23 07:30	Mon 08/05/23 10:30	5914	G Moeseraela,T Moloi,M Ramatlhakeng
5916		Lower The Shaft To Enable Easy Removal Of The Top Bearing Halves	2 hrs	Mon 08/05/23 10:30	Mon 08/05/23 13:00	5915	M Ramosomana,M Kene
5917		Install New Bearing Halves(Top Bearing)	2 hrs	Mon 08/05/23 13:00	Mon 08/05/23 15:00	5916	M Ramosomana,M Kene
5918		Lift The Shaft(Care Should Be Taken Not To Break The Top Bearing Half.Allow For A 1Mm Clearance	0.5 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:30	5917	M Ramosomana,M Kene
5919		Position The Bearing Halves On The Bottom Shell And Align Oil Galleries And Mount It,Then Secure With Bolts And Nuts	1 hr	Mon 08/05/23 15:30	Mon 08/05/23 16:30	5918	M Ramosomana,M Kene
5920		Place A 3Mm Shim Between The Shells And Secure Accordingly	1 hr	Mon 08/05/23 16:30	Mon 08/05/23 17:30	5919	M Ramosomana,M Kene
5921		Support The Screw To Allow Easy Removal Of The Inner Bearing	0.5 hrs	Mon 08/05/23 17:30	Mon 08/05/23 18:00	5920	M Ramosomana,M Kene
5922		Disconnect Lube Pipe,Cut The Bolts And Remove Bearing Assembly	2 hrs	Tue 09/05/23 07:00	Tue 09/05/23 09:00	5921	M Ramosomana,M Kene,G Moeseraela
5923		Inspect The Stub,Remove And Recondition If Worn Out	2 hrs	Tue 09/05/23 09:00	Tue 09/05/23 11:00	5922	M Ramosomana,M Kene,G Moeseraela
5924		Loosen The Locking Bolt And Remove The Deva Brng From Housing	1 hr	Tue 09/05/23 11:00	Tue 09/05/23 12:00	5923	M Ramosomana,M Kene
5925		Install Pedestal,New Deva Bearing And Secure	1 hr	Tue 09/05/23 12:30	Tue 09/05/23 13:30	5924	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5926		Repeat Step 11,12 & 13 And Connect Lube Pipes	1 hr	Tue 09/05/23 13:30	Tue 09/05/23 14:30	5925	M Ramosomana,M Kene
5927		Weld All Nuts To Lock Them	1 hr	Tue 09/05/23 14:30	Tue 09/05/23 15:30	5926	M Ramosomana,M Kene,M Ramatlhake
5928		Carry Out Housekeeping And Sign Off The Permit	0.5 hrs	Tue 09/05/23 15:30	Tue 09/05/23 16:00	5927	M Ramosomana,M Kene
5929		Obtain The Test Run Permit,Run And Oberve All Parameters	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	5928	M Ramosomana,M Kene
5930		Stop And Box Up The Covers,Then Sign Off The Test Permit	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	5929	M Ramosomana,M Kene
5931		Clear The Permit	0.25 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:00	5930	M Ramosomana,M Kene
5932	**29A2GR02**	**# B CALCINER - Repair Trunnion Roller guards**	**16.5 hrs**	**Sun 14/05/23 08:30**	**Mon 15/05/23 15:00**	**5871**	
5933		Make out permit	0.25 hrs	Sun 14/05/23 08:30	Sun 14/05/23 08:45		Operations
5934		Accept permit	0.25 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:00	5933	M Ramosomana,M Kene
5935		Repair/Refurbish guards	10 hrs	Sun 14/05/23 09:00	Mon 15/05/23 08:30	5934	M Ramosomana,M Kene
5936		Curing time	6 hrs	Mon 15/05/23 08:30	Mon 15/05/23 14:30	5935	
5937		House keeping	0.25 hrs	Mon 15/05/23 14:30	Mon 15/05/23 14:45	5936	M Ramosomana,M Kene
5938		Clear permit	0.25 hrs	Mon 15/05/23 14:45	Mon 15/05/23 15:00	5937	M Ramosomana,M Kene
5939	**29A2GR02**	**# B CALCINER - Replace Vent Valves (3 off)**	**8 hrs**	**Thu 11/05/23 16:45**	**Fri 12/05/23 14:15**	**5796**	
5940		Make out permit	0.25 hrs	Thu 11/05/23 16:45	Thu 11/05/23 17:00		Operations
5941		Accept permit	0.25 hrs	Thu 11/05/23 17:00	Thu 11/05/23 17:15	5940	M Ramosomana,M Kene
5942		Loosen all bolts	2.5 hrs	Thu 11/05/23 17:15	Fri 12/05/23 08:45	5941	M Ramosomana,M Kene
5943		Remove old valves and pipes for modification	1 hr	Fri 12/05/23 08:45	Fri 12/05/23 09:45	5942	M Ramosomana,M Kene
5944		Clean flange faces	1 hr	Fri 12/05/23 09:45	Fri 12/05/23 10:45	5943	M Ramosomana,M Kene
5945		Install new valves and new gasket	1 hr	Fri 12/05/23 10:45	Fri 12/05/23 11:45	5944	M Ramosomana,M Kene
5946		Tighten all bolts	1 hr	Fri 12/05/23 11:45	Fri 12/05/23 13:15	5945	M Ramosomana,M Kene
5947		Box up	0.5 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:45	5946	M Ramosomana,M Kene
5948		House keeping	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	5947	M Ramosomana,M Kene
5949		Clear permit	0.25 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:15	5948	M Ramosomana,M Kene
5950	**29A2GR02**	**# B CALCINER - Drain, Flush And Refill Calciner Gear/Pinion Reservoir**	**8.25 hrs**	**Fri 12/05/23 14:15**	**Sat 13/05/23 11:30**	**5939**	
5951		Make Out Permit	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30		Operations
5952		Accept Permit	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45	5951	M Ramosomana,M Kene
5953		Drain, Flush Calciner Gear/Pinion Reservoir	4 hrs	Fri 12/05/23 14:45	Sat 13/05/23 07:45	5952	M Ramosomana,M Kene
5954		Refill With New Oil	0.5 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:15	5953	M Ramosomana,M Kene
5955		Grease Equipment As Required	3 hrs	Sat 13/05/23 08:15	Sat 13/05/23 11:15	5954	M Ramosomana,M Kene
5956		Clear Permit	0.25 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:30	5955	M Ramosomana,M Kene
5957	**29A2GR02**	**# B CALCINER - Overhaul Calciner Air Cylinders**	**42.5 hrs**	**Sat 13/05/23 11:30**	**Wed 17/05/23 12:00**	**5950**	
5958		Make Out Permit	0.25 hrs	Sat 13/05/23 11:30	Sat 13/05/23 11:45		Operations
5959		Accept Permit	0.25 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:00	5958	M Ramosomana,M Kene
5960		Carry Out Risk Assesment	0.25 hrs	Sat 13/05/23 12:30	Sat 13/05/23 12:45	5959	M Ramosomana,M Kene
5961		Close Or Isolate Air To The Cylinders	2 hrs	Sat 13/05/23 12:45	Sat 13/05/23 14:45	5960	M Ramosomana,M Kene
5962		Disconnect The All Air Pipes	4 hrs	Sat 13/05/23 14:45	Sun 14/05/23 07:45	5961	M Ramosomana,M Kene
5963		Remove Anchor Bolts And Cylinders	2 hrs	Sun 14/05/23 07:45	Sun 14/05/23 09:45	5962	M Ramosomana,M Kene
5964		Transport Cylinders To The Workshop	0.5 hrs	Sun 14/05/23 09:45	Sun 14/05/23 10:15	5963	M Ramosomana,M Kene
5965		Open, Inspect And Replace Damaged Parts(Piston Rings, Seals And Springs) 8 Off Then Close	20 hrs	Sun 14/05/23 10:15	Tue 16/05/23 09:15	5964	M Ramosomana,M Kene
5966		Transport Cylinders Back To Plant	0.5 hrs	Tue 16/05/23 09:15	Tue 16/05/23 09:45	5965	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5967		Reinstall In Position And Secure	8 hrs	Tue 16/05/23 09:45	Wed 17/05/23 07:15	5966	M Ramosomana,M Kene
5968		Connect Air Pipes,Open Air To Cylinders And Check For Leaks	4 hrs	Wed 17/05/23 07:15	Wed 17/05/23 11:15	5967	M Ramosomana,M Kene
5969		Carry Out Housekeeping	0.25 hrs	Wed 17/05/23 11:15	Wed 17/05/23 11:30	5968	M Ramosomana,M Kene
5970		Sign Off The Permit	0.25 hrs	Wed 17/05/23 11:30	Wed 17/05/23 11:45	5969	M Ramosomana,M Kene
5971		Clear Permit	0.25 hrs	Wed 17/05/23 11:45	Wed 17/05/23 12:00	5970	M Ramosomana,M Kene
5972	**29A2GR02**	**# B CALCINER - Dress Teeth On The Girth And Pinion Gears And Tyre**	**56.5 hrs**	**Mon 15/05/23 15:00**	**Sun 21/05/23 08:00**	**5932**	
5973		Make Out Permit	0.25 hrs	Mon 15/05/23 15:00	Mon 15/05/23 15:15		Operations
5974		Accept Permit	0.5 hrs	Mon 15/05/23 15:15	Mon 15/05/23 15:45	5973	M Ramosomana,M Kene
5975		Remove Guards	3 hrs	Mon 15/05/23 15:45	Tue 16/05/23 07:45	5974	M Ramosomana,M Kene,G Moeseraela
5976		Clean Grease On Girthgear Teeth And The Tyre	3 hrs	Tue 16/05/23 07:45	Tue 16/05/23 10:45	5975	M Ramosomana,M Kene
5977		Mark The First Teeth,Rotate Calciner And Dress One Teeth After Another	24 hrs	Tue 16/05/23 10:45	Thu 18/05/23 14:15	5976	Furmanite,M Ramosomana,M Kene
5978		Simulteneously Dress The Tyre	24 hrs	Thu 18/05/23 14:15	Sat 20/05/23 17:15	5977	Furmanite
5979		Replace Guards	1.5 hrs	Sat 20/05/23 17:15	Sun 21/05/23 07:45	5978	M Ramosomana,M Kene
5980		Clear Permit	0.25 hrs	Sun 21/05/23 07:45	Sun 21/05/23 08:00	5979	M Ramosomana,M Kene
5981	**29A2GB03**	**# B CALCINER MAIN DRIVE GEARBOX - Carry Out Inspection And Service**	**38.75 hrs**	**Sun 14/05/23 08:30**	**Wed 17/05/23 16:15**	**5871**	
5982		Clean (prior)	0 hrs	Sun 14/05/23 08:30	Sun 14/05/23 08:30		Operations
5983		Make out permit	0.25 hrs	Sun 14/05/23 08:30	Sun 14/05/23 08:45	5982	Operations
5984		Accept permit	0.25 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:00	5983	M Ramosomana,M Kene
5985		Carry out risk assement	0.25 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:15	5984	M Ramosomana,M Kene
5986		Open inspection covers	1 hr	Sun 14/05/23 09:15	Sun 14/05/23 10:15	5985	G Moeseraela,K Gabantogele,T Moloi,M
5987		Drain oil	1 hr	Sun 14/05/23 10:15	Sun 14/05/23 11:15	5986	M Ramosomana,M Kene
5988		Inspect gears	0.5 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:45	5987	M Ramosomana,M Kene
5989		Strip gearbox	12 hrs	Sun 14/05/23 11:45	Mon 15/05/23 13:45	5988	M Ramosomana,M Kene
5990		replace worn out parts	10 hrs	Mon 15/05/23 13:45	Tue 16/05/23 13:15	5989	M Ramosomana,M Kene
5991		Inspect coupling	1 hr	Tue 16/05/23 13:15	Tue 16/05/23 14:15	5990	M Ramosomana,M Kene
5992		replace coupling bushes & pins	3 hrs	Tue 16/05/23 14:15	Tue 16/05/23 17:15	5991	M Ramosomana,M Kene
5993		Inspect output shaft bearings	2 hrs	Tue 16/05/23 17:15	Wed 17/05/23 08:15	5992	M Ramosomana,M Kene
5994		Inspect v-belts and pulleys	2 hrs	Wed 17/05/23 08:15	Wed 17/05/23 10:15	5993	M Ramosomana,M Kene
5995		Possibly replace worn out pulleys and drive belts	3 hrs	Wed 17/05/23 10:15	Wed 17/05/23 13:45	5994	M Ramosomana,M Kene
5996		Replace v-belt guards	1 hr	Wed 17/05/23 13:45	Wed 17/05/23 14:45	5995	M-Crane 7Ton,G Moeseraela,K Gabant
5997		Refill oil	1 hr	Wed 17/05/23 14:45	Wed 17/05/23 15:45	5996	M Ramosomana,M Kene
5998		House keeping	0.25 hrs	Wed 17/05/23 15:45	Wed 17/05/23 16:00	5997	M Ramosomana,M Kene
5999		Clear permit	0.25 hrs	Wed 17/05/23 16:00	Wed 17/05/23 16:15	5998	Operations
6000	**29A2GR02**	**# B CALCINER (STEAM HEAD) - Overhaul The Steam Head**	**43 hrs**	**Fri 05/05/23 07:15**	**Tue 09/05/23 08:15**	**5793**	
6001		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
6002		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6001	M Ramosomana,M Kene
6003		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	6002	Operations,M Ramosomana,M Kene
6004		Isolate And Lock Out	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	6003	Operations
6005		Strip Out Steam Head	4 hrs	Fri 05/05/23 08:15	Fri 05/05/23 12:45	6004	M Ramosomana,M Kene
6006		Rig Out And Transport To Workshop	2 hrs	Fri 05/05/23 12:45	Fri 05/05/23 14:45	6005	7T Truck,M-Crane 30Ton,G Moeseraela
6007		Check For Cracks And Repair If Necessary	2 hrs	Fri 05/05/23 14:45	Fri 05/05/23 16:45	6006	M Ramatlhakeng,S Monna
6008		Preheat Weld Area	1 hr	Fri 05/05/23 16:45	Fri 05/05/23 17:45	6007	M Ramatlhakeng,S Monna

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6009		Weld Cracks	3 hrs	Fri 05/05/23 17:45	Sat 06/05/23 09:45	6008	P Dara
6010		Allow For Cooling	1.5 hrs	Sat 06/05/23 09:45	Sat 06/05/23 11:15	6009	M Ramatlhakeng,S Monna
6011		Crack Testing	3 hrs	Sat 06/05/23 11:15	Sat 06/05/23 14:45	6010	M Ramosomana,M Kene
6012		Overhaul The Steam Head	18 hrs	Sat 06/05/23 14:45	Mon 08/05/23 11:15	6011	M Ramosomana,M Kene
6013		Transport To Site	1 hr	Mon 08/05/23 11:15	Mon 08/05/23 12:45	6012	7T Truck,G Moeseraela,T Moloi,K Gaba
6014		Install	4 hrs	Mon 08/05/23 12:45	Mon 08/05/23 16:45	6013	M-Crane 30Ton,G Moeseraela,K Gaban
6015		Box Up	2 hrs	Mon 08/05/23 16:45	Tue 09/05/23 07:45	6014	M Ramosomana,M Kene
6016		Carry Out House Keeping	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	6015	Operations,M Ramosomana,M Kene,G
6017		Clear Permit	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	6016	M Ramosomana,M Kene
6018	**29A2RM06**	**# B DISCHARGE STAR FEEDER - Carry Out Inspection**	**9 hrs**	**Tue 09/05/23 08:15**	**Tue 09/05/23 17:45**	**6000**	
6019		Make Out Permit	0.25 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:30		Operations
6020		Accept Permit	0.25 hrs	Tue 09/05/23 08:30	Tue 09/05/23 08:45	6019	M Ramosomana,M Kene
6021		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:00	6020	M Ramosomana,M Kene
6022		Open Inspection Cover	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15	6021	M Ramosomana,M Kene
6023		Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:45	6022	M Ramosomana,M Kene
6024		Stop And Close The Inspection Cover.	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	6023	M Ramosomana,M Kene
6025		Sign Off Permit If Everything Is In Order.	0.25 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:15	6024	M Ramosomana,M Kene
6026		When There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Tue 09/05/23 10:15	Tue 09/05/23 10:30	6025	M Ramosomana,M Kene
6027		Loosen And Remove Guards	0.25 hrs	Tue 09/05/23 10:30	Tue 09/05/23 10:45	6026	M Ramosomana,M Kene
6028		Put Extension Pads On The Jacks	0.25 hrs	Tue 09/05/23 10:45	Tue 09/05/23 11:00	6027	M Ramosomana,M Kene
6029		Remove Mounting Bolts	0.5 hrs	Tue 09/05/23 11:00	Tue 09/05/23 11:30	6028	M Ramosomana,M Kene
6030		Rig Out The Star Feeder And Safely Put It Aside	2 hrs	Tue 09/05/23 11:30	Tue 09/05/23 14:00	6029	M-Crane 60Ton,G Moeseraela,T Moloi
6031		Clean The Chute Faces And Apply Sealing Compound Or Glass Tape	0.25 hrs	Tue 09/05/23 14:00	Tue 09/05/23 14:15	6030	M Ramosomana,M Kene
6032		Inspect The New Star Feeder To Check If It Is Rotating Freely And The Gap Between The Rotor And Housing Is Set Corretly(2Mm)	0.25 hrs	Tue 09/05/23 14:15	Tue 09/05/23 14:30	6031	M Ramosomana,M Kene
6033		Rig In Position The New Or Reconditioned Star Feeder And Secure	2 hrs	Tue 09/05/23 14:30	Tue 09/05/23 16:30	6032	M-Crane 60Ton,G Moeseraela,T Moloi,
6034		Align The Geared Unit Coupling And The Star Feeder	0.5 hrs	Tue 09/05/23 16:30	Tue 09/05/23 17:00	6033	M Ramosomana,M Kene
6035		Replace Guards	0.25 hrs	Tue 09/05/23 17:00	Tue 09/05/23 17:15	6034	M Ramosomana,M Kene
6036		Carry Out House Keeping	0.25 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:30	6035	M Ramosomana,M Kene
6037		Clear The Permit	0.25 hrs	Tue 09/05/23 17:30	Tue 09/05/23 17:45	6036	M Ramosomana,M Kene
6038	**29A2RF08**	**# B DISCHARGE SCREW CONVEYOR - Inspect Screw**	**33.25 hrs**	**Tue 09/05/23 17:45**	**Sat 13/05/23 08:30**	**6018**	
6039		Make Out Permit	0.25 hrs	Tue 09/05/23 17:45	Tue 09/05/23 18:00		Operations
6040		Accept Permit	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	6039	M Ramosomana,M Kene
6041		Remove Old Packings (Labyrinth Seal)	0.5 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:45	6040	M Ramosomana,M Kene
6042		Uncouple the screw from the geared unit	1.5 hrs	Wed 10/05/23 07:45	Wed 10/05/23 09:15	6041	M Ramosomana,M Kene
6043		Drain Gearbox Oil	1 hr	Wed 10/05/23 09:15	Wed 10/05/23 10:15	6042	M Ramosomana,M Kene
6044		Loosen all geared unit mounting bolts	0.5 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:45	6043	M Ramosomana,M Kene
6045		Rig out geared unit	1 hr	Wed 10/05/23 10:45	Wed 10/05/23 11:45	6044	M Ramosomana,M Kene
6046		Remove non-drive end bearing	1 hr	Wed 10/05/23 11:45	Wed 10/05/23 13:15	6045	M Ramosomana,M Kene
6047		Remove drive end bearing	1 hr	Wed 10/05/23 13:15	Wed 10/05/23 14:15	6046	M Ramosomana,M Kene
6048		Remove drive end casing cover	1 hr	Wed 10/05/23 14:15	Wed 10/05/23 15:15	6047	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6049		Rig out the Screw	6 hrs	Wed 10/05/23 15:15	Thu 11/05/23 10:15	6048	O/H crane,G Moeseraela,T Moloi
6050		Inspect And Replace Bellow If Holed	6 hrs	Thu 11/05/23 10:15	Thu 11/05/23 16:45	6049	M Ramosomana,M Kene,M Ramatlhake
6051		Straighten Bent Flights	2 hrs	Thu 11/05/23 16:45	Fri 12/05/23 07:45	6050	M Ramosomana,M Kene,M Ramatlhake
6052		Install Screw	5 hrs	Fri 12/05/23 07:45	Fri 12/05/23 13:15	6051	M-Crane 30Ton,M Ramosomana,M Ker
6053		Install bearings,Clean Out & Repack	4 hrs	Fri 12/05/23 13:15	Fri 12/05/23 17:15	6052	M Ramosomana,M Kene
6054		Install New Packings	1 hr	Fri 12/05/23 17:15	Sat 13/05/23 07:15	6053	M Ramosomana,M Kene
6055		Refill oil	1 hr	Sat 13/05/23 07:15	Sat 13/05/23 08:15	6054	M Ramosomana,M Kene
6056		Clear Permit	0.25 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:30	6055	M Ramosomana,M Kene
6057	**29A2RF08**	**# B DISCHARGE SCREW CONVEYOR - Replace rubber bellow with steel**	**21.5 hrs**	**Sun 21/05/23 08:00**	**Tue 23/05/23 08:30**	**5972**	
6058		Remove lagging prior	0 hrs	Sun 21/05/23 08:00	Sun 21/05/23 08:00		Lagging Contractor
6059		Issue Permit To Work	0.25 hrs	Sun 21/05/23 08:00	Sun 21/05/23 08:15	6058	Operations
6060		Accept permit	0.25 hrs	Sun 21/05/23 08:15	Sun 21/05/23 08:30	6059	O Dintle
6061		Carry out risk assement	0.25 hrs	Sun 21/05/23 08:30	Sun 21/05/23 08:45	6060	M Ramatlhakeng,S Monna,O Dintle,M I
6062		Remove rubber bellow	6 hrs	Sun 21/05/23 08:45	Sun 21/05/23 15:15	6061	O Dintle,M Kene
6063		Modify top and bottom flanges to accommodate new bellow	4 hrs	Sun 21/05/23 15:15	Mon 22/05/23 08:15	6062	M Ramatlhakeng,S Monna
6064		Install steel bellow	8 hrs	Mon 22/05/23 08:15	Mon 22/05/23 16:45	6063	M Ramatlhakeng,S Monna,O Dintle,M I
6065		Secure bellow	2 hrs	Mon 22/05/23 16:45	Tue 23/05/23 07:45	6064	O Dintle,M Kene
6066		Carry out housekeeping	0.5 hrs	Tue 23/05/23 07:45	Tue 23/05/23 08:15	6065	M Ramatlhakeng,S Monna,O Dintle,M I
6067		Clear Permit	0.25 hrs	Tue 23/05/23 08:15	Tue 23/05/23 08:30	6066	O Dintle,M Ramatlhakeng,Operations
6068	**29A2RF09**	**# B INCLINED TROUGH CHAIN CONVEYOR - Inspect And Replace Chain**	**54.5 hrs**	**Fri 05/05/23 07:15**	**Wed 10/05/23 09:15**	**5793**	
6069		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
6070		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6069	M Ramosomana,M Kene
6071		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	6070	M Ramosomana,M Kene
6072		Open The Top Covers Next To The Tail End Where The Operation Of Changing Flights Is Going To Take Place	1 hr	Fri 05/05/23 08:00	Fri 05/05/23 09:00	6071	M Ramosomana,M Kene
6073		Install decontamination controls	6 hrs	Fri 05/05/23 09:00	Fri 05/05/23 15:30	6072	Nicholas
6074		Run The Chain Conveyor To Identify Damaged Links And Mark Them	1 hr	Fri 05/05/23 15:30	Fri 05/05/23 16:30	6073	Operations,M Ramosomana,M Kene
6075		Position A Section Of The Flights To Be Removed	0.5 hrs	Fri 05/05/23 16:30	Fri 05/05/23 17:00	6074	M Ramosomana,M Kene
6076		Isolate The Conveyor And Lock It	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	6075	Operations
6077		Lift The Counter Weight To Slack The Chain	0.5 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:45	6076	G Moeseraela,T Moloi,K Gabantogele
6078		Perform Crack Test Using Dye Penetrant Method On The Links 0.25/Link X 422	2 hrs	Fri 05/05/23 17:45	Sat 06/05/23 08:45	6077	M Ramosomana,M Kene
6079		Cut The Pin Coller,Knock Out The Pin And Remove The Link	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	6078	M Ramatlhakeng,S Monna
6080		Position The Link,Insert The Pin And Lock It By Welding	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15	6079	M Ramatlhakeng,S Monna,M Ramosom
6081		Drop The Counterweight	0.25 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:30	6080	G Moeseraela,T Moloi,K Gabantogele
6082		De Isolate The Chain And Run It To Position The Next Batch Of Links To Be Removed	0.5 hrs	Sat 06/05/23 09:30	Sat 06/05/23 10:00	6081	Operations
6083		Repeat Steps,7,8,9,10,11 ,12 And 13 Untill Completion	9.5 hrs	Sat 06/05/23 10:00	Sun 07/05/23 08:30	6082	Operations,G Moeseraela,T Moloi,M Ra
6084		Apply Sealant And Close The Covers	1 hr	Sun 07/05/23 08:30	Sun 07/05/23 09:30	6083	M Ramosomana,M Kene
6085		Open Tail Plummer Blocks And Clean Old Grease	1 hr	Sun 07/05/23 09:30	Sun 07/05/23 10:30	6084	M Ramosomana,M Kene
6086		Inspect All The Bearings And Pack With Grease Or Change If Necessary	5 hrs	Sun 07/05/23 10:30	Sun 07/05/23 16:00	6085	M Ramosomana,M Kene
6087		Replace Tail End sprocket & Bearings	2 hrs	Sun 07/05/23 16:00	Sun 07/05/23 18:00	6086	M Ramosomana,M Kene
6088		Open The Drive End Bearings,Clean,Inspect,Repack And Change If Necessary	0.5 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:30	6087	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6089		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Mon 08/05/23 07:30	Mon 08/05/23 08:00	6088	M Ramosomana,M Kene
6090		Inspect The Fluid Coupling	0.5 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:30	6089	M Ramosomana,M Kene
6091		Replace Guard	1.5 hrs	Mon 08/05/23 08:30	Mon 08/05/23 10:00	6090	M Ramosomana,M Kene
6092		Carry out decontamination protocol	12 hrs	Mon 08/05/23 10:00	Tue 09/05/23 11:30	6091	Nicholas
6093		Remove decontamination controls	6 hrs	Tue 09/05/23 11:30	Tue 09/05/23 18:00	6092	Nicholas
6094		Drain Gear Box And Refill With New Oil To The Correct Level	0.5 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:30	6093	M Ramosomana,M Kene
6095		Carry Out House Keeping	0.5 hrs	Wed 10/05/23 07:30	Wed 10/05/23 08:00	6094	M Ramosomana,M Kene
6096		Clear The Permit	0.25 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:15	6095	Operations
6097		Test Run And Hand Over	1 hr	Wed 10/05/23 08:15	Wed 10/05/23 09:15	6096	Operations,M Ramosomana,M Kene
6098	**29A2RF09**	**# B INCLINED TROUGH CHAIN CONVEYOR - Open all covers for cleaning and inspection**	**57.25 hrs**	**Wed 10/05/23 09:15**	**Mon 15/05/23 14:30**	**6068**	
6099		Erect scaffold prior	0 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:15		RSC Scaffolding
6100		Make out permit	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	6099	Operations
6101		Clear permit	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45	6100	M Ramosomana,M Kene
6102		Risk assessment	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00	6101	M Ramosomana,M Kene
6103		Remove all lagging	12 hrs	Wed 10/05/23 10:00	Thu 11/05/23 11:30	6102	M Ramosomana,M Kene
6104		Open all inspection covers	12 hrs	Thu 11/05/23 11:30	Fri 12/05/23 13:30	6103	M Ramosomana,M Kene
6105		Clean thoroughly	12 hrs	Fri 12/05/23 13:30	Sat 13/05/23 15:00	6104	M Ramosomana,M Kene
6106		Carry out thorough inspection	8 hrs	Sat 13/05/23 15:00	Sun 14/05/23 12:00	6105	M Ramosomana,M Kene
6107		Box up	12 hrs	Sun 14/05/23 12:30	Mon 15/05/23 14:00	6106	M Ramosomana,M Kene
6108		House keeping	0.25 hrs	Mon 15/05/23 14:00	Mon 15/05/23 14:15	6107	M Ramosomana,M Kene
6109		Clear permit	0.25 hrs	Mon 15/05/23 14:15	Mon 15/05/23 14:30	6108	M Ramosomana,M Kene
6110	**29A2RF09**	**# B INCLINED TROUGH CHAIN CONVEYOR - Correct Deformed structure & Repair Covers**	**25.25 hrs**	**Wed 10/05/23 09:15**	**Fri 12/05/23 14:00**	**6098SS**	
6111		Fabricate structure & cover prior	0 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:15		M Ramatlhakeng,S Monna
6112		Sand blast and paint	0 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:15	6111	Operations
6113		Make out permit	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	6112	M Ramatlhakeng,S Monna
6114		Accept permit	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45	6113	M Ramatlhakeng,S Monna
6115		Conduct risk assessment	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00	6114	M Ramatlhakeng,S Monna
6116		Cut out deformed section	8 hrs	Wed 10/05/23 10:00	Thu 11/05/23 07:30	6115	M Ramatlhakeng,S Monna
6117		Replace /repair if necessary	16 hrs	Thu 11/05/23 07:30	Fri 12/05/23 13:30	6116	M Ramatlhakeng,S Monna
6118		House keeping	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45	6117	M Ramatlhakeng,S Monna
6119		Clear permit	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	6118	M Ramatlhakeng,S Monna
6120	**29A2RF09**	**# B INCLINE CHAIN TROUGH CONVEYOR - Inspect gearbox**	**10.25 hrs**	**Mon 15/05/23 14:30**	**Tue 16/05/23 14:15**	**6098**	
6121		Issue Permit To Work	0.25 hrs	Mon 15/05/23 14:30	Mon 15/05/23 14:45		Operations
6122		Accept permit	0.25 hrs	Mon 15/05/23 14:45	Mon 15/05/23 15:00	6121	O Dintle
6123		Carry out risk assement	0.25 hrs	Mon 15/05/23 15:00	Mon 15/05/23 15:15	6122	O Dintle,M Kene
6124		Drain gearbox oil	0.5 hrs	Mon 15/05/23 15:15	Mon 15/05/23 15:45	6123	O Dintle,M Kene
6125		Open top cover	1 hr	Mon 15/05/23 15:45	Mon 15/05/23 16:45	6124	O Dintle,M Kene
6126		Inspect gears for chipping, cracks and wear	0.5 hrs	Mon 15/05/23 16:45	Mon 15/05/23 17:15	6125	O Dintle,M Kene
6127		Inspect bearings for signs of defects	0.5 hrs	Mon 15/05/23 17:15	Mon 15/05/23 17:45	6126	O Dintle,M Kene
6128		Inspect input and output seals for leaks	0.5 hrs	Mon 15/05/23 17:45	Tue 16/05/23 07:15	6127	O Dintle,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6129		Possible repairs	4 hrs	Tue 16/05/23 07:15	Tue 16/05/23 11:15	6128	O Dintle,M Kene
6130		Install top cover	1 hr	Tue 16/05/23 11:15	Tue 16/05/23 12:45	6129	O Dintle,M Kene
6131		Refill with fresh oil	0.5 hrs	Tue 16/05/23 12:45	Tue 16/05/23 13:15	6130	O Dintle,M Kene
6132		Replace breather	0.5 hrs	Tue 16/05/23 13:15	Tue 16/05/23 13:45	6131	O Dintle,M Kene
6133		Carry out housekeeping	0.25 hrs	Tue 16/05/23 13:45	Tue 16/05/23 14:00	6132	O Dintle,M Kene
6134		Clear permit	0.25 hrs	Tue 16/05/23 14:00	Tue 16/05/23 14:15	6133	O Dintle,Operations
6135	**29A2RF09**	**# B INCLINE CHAIN TROUGH CONVEYOR - Reposition conveyor structure**	**33 hrs**	**Thu 11/05/23 09:45**	**Sun 14/05/23 11:15**	**5191**	
6136		Cast conveyor structure support prior	0 hrs	Thu 11/05/23 09:45	Thu 11/05/23 09:45		Civils
6137		Issue Permit To Work	0.25 hrs	Thu 11/05/23 09:45	Thu 11/05/23 10:00	6136	Operations
6138		Accept permit	0.25 hrs	Thu 11/05/23 10:00	Thu 11/05/23 10:15	6137	Wesley
6139		Carry out risk assement	0.25 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:30	6138	Wesley,Moganetsi,Nkomba,Crane Oper
6140		Position the cranes	4 hrs	Thu 11/05/23 10:30	Thu 11/05/23 15:00	6139	M-Crane 220Ton,M-Crane 180Ton,Crar
6141		Support conveyor structure on 2 cranes	2 hrs	Thu 11/05/23 15:00	Thu 11/05/23 17:00	6140	M-Crane 220Ton,M-Crane 180Ton,Mog
6142		Raise conveyor structure 5mm above the supports	10 hrs	Thu 11/05/23 17:00	Fri 12/05/23 16:30	6141	M-Crane 220Ton,M-Crane 180Ton,Mog
6143		Jack structure towards drive end to original position	10 hrs	Fri 12/05/23 16:30	Sat 13/05/23 16:00	6142	M-Crane 220Ton,M-Crane 180Ton,Mog
6144		Secure structure in position	5 hrs	Sat 13/05/23 16:00	Sun 14/05/23 10:00	6143	M-Crane 220Ton,M-Crane 180Ton,Mog
6145		Release cranes	1 hr	Sun 14/05/23 10:00	Sun 14/05/23 11:00	6144	M-Crane 220Ton,M-Crane 180Ton,Crar
6146		Clear permit	0.25 hrs	Sun 14/05/23 11:00	Sun 14/05/23 11:15	6145	Wesley,Operations
6147	**29A2RF09**	**# B INCLINE CHAIN CONVEYOR DISCHARGE BELLOW - Replace rubber bellow with steel**	**21.5 hrs**	**Wed 03/05/23 06:30**	**Fri 05/05/23 07:30**		
6148		Remove lagging prior	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		Lagging Contractor
6149		Issue Permit To Work	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 07:15	6148	Operations
6150		Accept permit	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	6149	O Dintle
6151		Carry out risk assement	0.25 hrs	Wed 03/05/23 07:30	Wed 03/05/23 07:45	6150	M Ramatlhakeng,S Monna,O Dintle,M I
6152		Remove rubber bellow	6 hrs	Wed 03/05/23 07:45	Wed 03/05/23 14:15	6151	O Dintle,M Kene
6153		Modify top and bottom flanges to accommodate new bellow	4 hrs	Wed 03/05/23 14:15	Thu 04/05/23 07:15	6152	M Ramatlhakeng,S Monna
6154		Install steel bellow	8 hrs	Thu 04/05/23 07:15	Thu 04/05/23 15:45	6153	M Ramatlhakeng,S Monna,O Dintle,M I
6155		Secure bellow	2 hrs	Thu 04/05/23 15:45	Thu 04/05/23 17:45	6154	O Dintle,M Kene
6156		Carry out housekeeping	0.5 hrs	Thu 04/05/23 17:45	Fri 05/05/23 07:15	6155	M Ramatlhakeng,S Monna,O Dintle,M I
6157		Clear Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	6156	O Dintle,M Ramatlhakeng,Operations
6158	**29A2RF10**	**# B2 DUST DISCHARGE CONVEYOR - Replace Bellows**	**4.25 hrs**	**Fri 05/05/23 07:15**	**Fri 05/05/23 11:30**	**5793**	
6159		Clean prior	0 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:15		Operations
6160		Make out permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	6159	Operations
6161		Accept permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6160	M Ramosomana,M Kene
6162		Carry out risk assement	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	6161	M Ramosomana,M Kene
6163		Remove bolts	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	6162	M Ramosomana,M Kene
6164		Remove old bellow	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	6163	M Ramosomana,M Kene
6165		clean area	0.5 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:30	6164	M Ramosomana,M Kene
6166		replace bellow	0.5 hrs	Fri 05/05/23 09:30	Fri 05/05/23 10:00	6165	M Ramosomana,M Kene
6167		Secure bellow	1 hr	Fri 05/05/23 10:00	Fri 05/05/23 11:00	6166	M Ramosomana,M Kene
6168		house keeping	0.25 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:15	6167	M Ramosomana,M Kene
6169		Clear permit	0.25 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:30	6168	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6170	**29A2RF11**	**# B2 DUST DISCHARGE CONVEYOR - Replace Bellows**	**4.25 hrs**	**Fri 05/05/23 11:30**	**Fri 05/05/23 16:15**	**6158**	
6171		Clean prior	0 hrs	Fri 05/05/23 11:30	Fri 05/05/23 11:30		Operations
6172		Make out permit	0.25 hrs	Fri 05/05/23 11:30	Fri 05/05/23 11:45	6171	Operations
6173		Accept permit	0.25 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:00	6172	M Ramosomana,M Kene
6174		Carry out risk assement	0.25 hrs	Fri 05/05/23 12:30	Fri 05/05/23 12:45	6173	M Ramosomana,M Kene
6175		Remove bolts	0.5 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:15	6174	M Ramosomana,M Kene
6176		Remove old bellow	0.5 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:45	6175	M Ramosomana,M Kene
6177		clean area	0.5 hrs	Fri 05/05/23 13:45	Fri 05/05/23 14:15	6176	M Ramosomana,M Kene
6178		replace bellow	0.5 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:45	6177	M Ramosomana,M Kene
6179		Secure bellow	1 hr	Fri 05/05/23 14:45	Fri 05/05/23 15:45	6178	M Ramosomana,M Kene
6180		house keeping	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00	6179	M Ramosomana,M Kene
6181		Clear permit	0.25 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:15	6180	M Ramosomana,M Kene
6182	**29A2RF10**	**# B1 DUST DISCHARGE CONVEYOR - Remove Screw And Inspect Flights**	**11.75 hrs**	**Fri 05/05/23 16:15**	**Sat 06/05/23 17:30**	**6170**	
6183		Make Out Permit	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30		Operations
6184		Accept Permit	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	6183	M Ramosomana,M Kene
6185		Remove Old Packings (Labyrinth Seal)	1 hr	Fri 05/05/23 16:45	Fri 05/05/23 17:45	6184	M Ramosomana,M Kene
6186		Install New Packings	1 hr	Fri 05/05/23 17:45	Sat 06/05/23 07:45	6185	M Ramosomana,M Kene
6187		Change Bellow	6 hrs	Sat 06/05/23 07:45	Sat 06/05/23 14:15	6186	M Ramosomana,M Kene
6188		Open & Inspect Bearings,Clean Out & Repack	2 hrs	Sat 06/05/23 14:15	Sat 06/05/23 16:15	6187	M Ramosomana,M Kene
6189		Drain Gearbox Oil & Refill	1 hr	Sat 06/05/23 16:15	Sat 06/05/23 17:15	6188	M Ramosomana,M Kene
6190		Clear Permit	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	6189	M Ramosomana,M Kene
6191	**29A2RF11**	**# B2 DUST DISCHARGE CONVEYOR - Remove Screw And Inspect Flights**	**11.75 hrs**	**Sat 06/05/23 17:30**	**Mon 08/05/23 07:45**	**6182**	
6192		Make Out Permit	0.25 hrs	Sat 06/05/23 17:30	Sat 06/05/23 17:45		Operations
6193		Accept Permit	0.25 hrs	Sat 06/05/23 17:45	Sat 06/05/23 18:00	6192	M Ramosomana,M Kene
6194		Remove Old Packings (Labyrinth Seal)	1 hr	Sun 07/05/23 07:00	Sun 07/05/23 08:00	6193	M Ramosomana,M Kene
6195		Install New Packings	1 hr	Sun 07/05/23 08:00	Sun 07/05/23 09:00	6194	M Ramosomana,M Kene
6196		Change Bellow	6 hrs	Sun 07/05/23 09:00	Sun 07/05/23 15:30	6195	M Ramosomana,M Kene
6197		Open & Inspect Bearings,Clean Out & Repack	2 hrs	Sun 07/05/23 15:30	Sun 07/05/23 17:30	6196	M Ramosomana,M Kene
6198		Drain Gearbox Oil & Refill	1 hr	Sun 07/05/23 17:30	Mon 08/05/23 07:30	6197	M Ramosomana,M Kene
6199		Clear Permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	6198	M Ramosomana,M Kene
6200	**29A2RF12**	**# B COLLECTED DUST SCREW CONVEYOR - Carry Out Inspection And Service**	**11.75 hrs**	**Mon 08/05/23 07:45**	**Tue 09/05/23 09:00**	**6191**	
6201		Make Out Permit	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00		Operations
6202		Accept Permit	0.25 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:15	6201	M Ramosomana,M Kene
6203		Remove Old Packings (Labyrinth Seal)	1 hr	Mon 08/05/23 08:15	Mon 08/05/23 09:15	6202	M Ramosomana,M Kene
6204		Install New Packings	1 hr	Mon 08/05/23 09:15	Mon 08/05/23 10:15	6203	M Ramosomana,M Kene
6205		Change Bellow	6 hrs	Mon 08/05/23 10:15	Mon 08/05/23 16:45	6204	M Ramosomana,M Kene
6206		Open & Inspect Bearings,Clean Out & Repack	2 hrs	Mon 08/05/23 16:45	Tue 09/05/23 07:45	6205	M Ramosomana,M Kene
6207		Drain Gearbox Oil & Refill	1 hr	Tue 09/05/23 07:45	Tue 09/05/23 08:45	6206	M Ramosomana,M Kene
6208		Clear Permit	0.25 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:00	6207	M Ramosomana,M Kene
6209	**29A2RM05**	**# B RECYCLONE SODA ASH STAR FEEDER - Carry Out Inspection**	**9 hrs**	**Tue 09/05/23 09:00**	**Wed 10/05/23 07:30**	**6200**	
6210		Make Out Permit	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15		Operations
6211		Accept Permit	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30	6210	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6212		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 09:30	Tue 09/05/23 09:45	6211	M Ramosomana,M Kene
6213		Open Inspection Cover	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	6212	M Ramosomana,M Kene
6214		Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:30	6213	M Ramosomana,M Kene
6215		Stop And Close The Inspection Cover.	0.25 hrs	Tue 09/05/23 10:30	Tue 09/05/23 10:45	6214	M Ramosomana,M Kene
6216		Sign Off Permit If Everything Is In Order.	0.25 hrs	Tue 09/05/23 10:45	Tue 09/05/23 11:00	6215	M Ramosomana,M Kene
6217		When There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Tue 09/05/23 11:00	Tue 09/05/23 11:15	6216	M Ramosomana,M Kene
6218		Loosen And Remove Guards	0.25 hrs	Tue 09/05/23 11:15	Tue 09/05/23 11:30	6217	M Ramosomana,M Kene
6219		Put Extension Pads On The Jacks	0.25 hrs	Tue 09/05/23 11:30	Tue 09/05/23 11:45	6218	M Ramosomana,M Kene
6220		Remove Mounting Bolts	0.5 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:45	6219	M Ramosomana,M Kene
6221		Rig Out The Star Feeder And Safely Put It Aside	2 hrs	Tue 09/05/23 12:45	Tue 09/05/23 14:45	6220	G Moeseraela,T Moloi,M Ramosomana
6222		Clean The Chute Faces And Apply Sealing Compound Or Glass Tape	0.25 hrs	Tue 09/05/23 14:45	Tue 09/05/23 15:00	6221	M Ramosomana,M Kene
6223		Inspect The New Star Feeder To Check If It Is Rotating Freely And The Gap Between The Rotor And Housing Is Set Corretly(2Mm)	0.25 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:15	6222	M Ramosomana,M Kene
6224		Rig In Position The New Or Reconditioned Star Feeder And Secure	2 hrs	Tue 09/05/23 15:15	Tue 09/05/23 17:15	6223	G Moeseraela,T Moloi,M Ramosomana
6225		Align The Geared Unit Coupling And The Star Feeder	0.5 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:45	6224	M Ramosomana,M Kene
6226		Replace Guards	0.25 hrs	Tue 09/05/23 17:45	Tue 09/05/23 18:00	6225	M Ramosomana,M Kene
6227		Carry Out House Keeping	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	6226	M Ramosomana,M Kene
6228		Clear Permit	0.25 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:30	6227	M Ramosomana,M Kene
6229	**29A2FF02**	**# B DUST CYCLONE - Replace corroded steam pipe work**	**42.75 hrs**	**Fri 05/05/23 07:30**	**Tue 09/05/23 08:15**	**6147**	
6230		Fabricate pipe prior	0 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:30		
6231		Make Out Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6230	Operations
6232		Accept Permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	6231	M Ramatlhakeng,S Monna
6233		Support Existing Structure	6 hrs	Fri 05/05/23 08:00	Fri 05/05/23 14:30	6232	M Ramatlhakeng,S Monna
6234		Cut Off Existing pipes	24 hrs	Fri 05/05/23 14:30	Sun 07/05/23 17:30	6233	M Ramatlhakeng,S Monna
6235		Rig Out Old pipes	4 hrs	Sun 07/05/23 17:30	Mon 08/05/23 10:30	6234	M Ramatlhakeng,S Monna,G Moeserae
6236		Rig In New pipes	4 hrs	Mon 08/05/23 10:30	Mon 08/05/23 15:00	6235	M Ramatlhakeng,S Monna,G Moeserae
6237		Bolt Up New pipes	4 hrs	Mon 08/05/23 15:00	Tue 09/05/23 08:00	6236	M Ramatlhakeng,S Monna
6238		Clear Permit	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	6237	M Ramatlhakeng,S Monna
6239		**ELECTRICAL**	**163.25 hrs**	**Fri 05/05/23 07:15**	**Sat 20/05/23 13:30**	**5793**	
6240	**29A2GA02**	**# B CALCINER STEAM HEAD OIL PUMP - Services Motor and Panel Components**	**24.25 hrs**	**Sat 06/05/23 08:15**	**Mon 08/05/23 11:30**	**3896**	
6241		Make Out Permit	0.25 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:30		Operations
6242		Accept Permit	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	6241	L Majoo,Electrician1
6243		Carry Out Electrical Isolation	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	6242	L Majoo,Electrician1
6244		Services Panel Components	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15	6243	L Majoo,Electrician1
6245		Disconnect and remove motor and send to workshop	2 hrs	Sat 06/05/23 09:15	Sat 06/05/23 11:15	6244	M Ramosomana,M Kene,L Majoo,Electr
6246		Wash motor with a water spray	1.5 hrs	Sat 06/05/23 11:15	Sat 06/05/23 13:15	6245	L Majoo,Electrician1
6247		Dry motor in an oven	6 hrs	Sat 06/05/23 13:15	Sun 07/05/23 08:15	6246	L Majoo,Electrician1
6248		Paint motor	6 hrs	Sun 07/05/23 08:15	Sun 07/05/23 14:45	6247	Painter 1
6249		Curing time	4 hrs	Sun 07/05/23 14:45	Sun 07/05/23 18:45	6248	
6250		Check Loose Connections In The Panel	0.25 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:15	6249	L Majoo,Electrician1
6251		Check Contactor Contacts	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30	6250	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6252		Service Stop/Start	0.5 hrs	Mon 08/05/23 07:30	Mon 08/05/23 08:00	6251	L Majoo,Electrician1
6253		Install and connect motor	2 hrs	Mon 08/05/23 08:00	Mon 08/05/23 10:00	6252	M Ramosomana,M Kene,L Majoo,Electr
6254		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:15	6253	L Majoo,Electrician1
6255		Check motor connection	0.5 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:45	6254	L Majoo,Electrician1
6256		Seal For Moisture And Dust	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00	6255	L Majoo,Electrician1
6257		Confirm Correct Protection Settings	0.25 hrs	Mon 08/05/23 11:00	Mon 08/05/23 11:15	6256	L Majoo,Electrician1
6258		Clear Permit	0.25 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:30	6257	L Majoo,Electrician1
6259	**29A2GA04**	**# B1 CALCINER ROLLER LUBE PUMP - Services Motor and Panel Components**	**21 hrs**	**Mon 08/05/23 11:30**	**Wed 10/05/23 11:30**	**6240**	
6260		Make Out Permit	0.25 hrs	Mon 08/05/23 11:30	Mon 08/05/23 11:45		Operations
6261		Accept Permit	0.25 hrs	Mon 08/05/23 11:45	Mon 08/05/23 12:00	6260	L Majoo,Electrician1
6262		Carry Out Electrical Isolation	0.25 hrs	Mon 08/05/23 12:30	Mon 08/05/23 12:45	6261	L Majoo,Electrician1
6263		Services Panel Components	0.25 hrs	Mon 08/05/23 12:45	Mon 08/05/23 13:00	6262	L Majoo,Electrician1
6264		Disconnect and remove motor and send to workshop	2 hrs	Mon 08/05/23 13:00	Mon 08/05/23 15:00	6263	M Ramosomana,M Kene,L Majoo,Electr
6265		Wash motor with a water spray	1.5 hrs	Mon 08/05/23 15:00	Mon 08/05/23 16:30	6264	L Majoo,Electrician1
6266		Dry motor in an oven	6 hrs	Mon 08/05/23 16:30	Tue 09/05/23 11:30	6265	L Majoo,Electrician1
6267		Paint motor	6 hrs	Tue 09/05/23 11:30	Tue 09/05/23 18:00	6266	Painter 1
6268		Curing time	4 hrs	Tue 09/05/23 18:00	Tue 09/05/23 22:00	6267	
6269		Check Loose Connections In The Panel	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	6268	L Majoo,Electrician1
6270		Check Contactor Contacts	0.25 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:30	6269	L Majoo,Electrician1
6271		Service Stop/Start	0.5 hrs	Wed 10/05/23 07:30	Wed 10/05/23 08:00	6270	L Majoo,Electrician1
6272		Install and connect motor	2 hrs	Wed 10/05/23 08:00	Wed 10/05/23 10:00	6271	M Ramosomana,M Kene,L Majoo,Electr
6273		Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 10/05/23 10:00	Wed 10/05/23 10:15	6272	L Majoo,Electrician1
6274		Check motor connection	0.5 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:45	6273	L Majoo,Electrician1
6275		Seal For Moisture And Dust	0.25 hrs	Wed 10/05/23 10:45	Wed 10/05/23 11:00	6274	L Majoo,Electrician1
6276		Confirm Correct Protection Settings	0.25 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:15	6275	L Majoo,Electrician1
6277		Clear Permit	0.25 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:30	6276	L Majoo,Electrician1
6278	**29A2GA06**	**# B2 CALCINER ROLLER LUBE PUMP - Services Motor and Panel Components**	**20.5 hrs**	**Wed 10/05/23 11:30**	**Fri 12/05/23 11:00**	**6259**	
6279		Make Out Permit	0.25 hrs	Wed 10/05/23 11:30	Wed 10/05/23 11:45		Operations
6280		Accept Permit	0.25 hrs	Wed 10/05/23 11:45	Wed 10/05/23 12:00	6279	L Majoo,Electrician1
6281		Carry Out Electrical Isolation	0.25 hrs	Wed 10/05/23 12:30	Wed 10/05/23 12:45	6280	L Majoo,Electrician1
6282		Services Panel Components	0.25 hrs	Wed 10/05/23 12:45	Wed 10/05/23 13:00	6281	L Majoo,Electrician1
6283		Disconnect and remove motor and send to workshop	2 hrs	Wed 10/05/23 13:00	Wed 10/05/23 15:00	6282	M Ramosomana,M Kene,L Majoo,Electr
6284		Wash motor with a water spray	1.5 hrs	Wed 10/05/23 15:00	Wed 10/05/23 16:30	6283	L Majoo,Electrician1
6285		Dry motor in an oven	6 hrs	Wed 10/05/23 16:30	Thu 11/05/23 11:30	6284	L Majoo,Electrician1
6286		Paint motor	6 hrs	Thu 11/05/23 11:30	Thu 11/05/23 18:00	6285	Painter 1
6287		Curing time	4 hrs	Thu 11/05/23 18:00	Thu 11/05/23 22:00	6286	
6288		Check Loose Connections In The Panel	0.25 hrs	Fri 12/05/23 07:00	Fri 12/05/23 07:15	6287	L Majoo,Electrician1
6289		Check Contactor Contacts	0.25 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:30	6288	L Majoo,Electrician1
6290		Service Stop/Start	0.5 hrs	Fri 12/05/23 07:30	Fri 12/05/23 08:00	6289	L Majoo,Electrician1
6291		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 12/05/23 08:00	Fri 12/05/23 08:15	6290	L Majoo,Electrician1
6292		Check motor connection	0.5 hrs	Fri 12/05/23 08:15	Fri 12/05/23 08:45	6291	L Majoo,Electrician1
6293		Seal For Moisture And Dust	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	6292	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6294		Install and connect motor	1.5 hrs	Fri 12/05/23 09:00	Fri 12/05/23 10:30	6293	M Ramosomana,M Kene,L Majoo,Electr
6295		Confirm Correct Protection Settings	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45	6294	L Majoo,Electrician1
6296		Clear Permit	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	6295	L Majoo,Electrician1
6297	**29A2GA08**	**# B DOUBLE SHAFT MIXER LUBE PUMP - Services Motor and Panel Components**	**21.5 hrs**	**Fri 12/05/23 11:00**	**Sun 14/05/23 11:30**	**6278**	
6298		Make Out Permit	0.25 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:15		Operations
6299		Accept Permit	0.25 hrs	Fri 12/05/23 11:15	Fri 12/05/23 11:30	6298	L Majoo,Electrician1
6300		Carry Out Electrical Isolation	0.25 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:00	6301	L Majoo,Electrician1
6301		Services Panel Components	0.25 hrs	Fri 12/05/23 11:30	Fri 12/05/23 11:45	6299	L Majoo,Electrician1
6302		Disconnect and remove motor and send to workshop	1.5 hrs	Fri 12/05/23 12:30	Fri 12/05/23 14:00	6300	M Ramosomana,M Kene,L Majoo,Electr
6303		Wash motor with a water spray	1.5 hrs	Fri 12/05/23 14:00	Fri 12/05/23 15:30	6302	L Majoo,Electrician1
6304		Dry motor in an oven	6 hrs	Fri 12/05/23 15:30	Sat 13/05/23 10:30	6303	L Majoo,Electrician1
6305		Paint motor	6 hrs	Sat 13/05/23 10:30	Sat 13/05/23 17:00	6304	Painter 1
6306		Curing time	4 hrs	Sat 13/05/23 17:00	Sat 13/05/23 21:00	6305	
6307		Check Loose Connections In The Panel	0.25 hrs	Sun 14/05/23 07:00	Sun 14/05/23 07:15	6306	L Majoo,Electrician1
6308		Check Contactor Contacts	0.25 hrs	Sun 14/05/23 07:15	Sun 14/05/23 07:30	6307	L Majoo,Electrician1
6309		Service Stop/Start	0.5 hrs	Sun 14/05/23 07:30	Sun 14/05/23 08:00	6308	L Majoo,Electrician1
6310		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 14/05/23 08:00	Sun 14/05/23 08:15	6309	L Majoo,Electrician1
6311		Check motor connection	0.5 hrs	Sun 14/05/23 08:15	Sun 14/05/23 08:45	6310	L Majoo,Electrician1
6312		Seal For Moisture And Dust	0.25 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:00	6311	L Majoo,Electrician1
6313		Install and connect motor	2 hrs	Sun 14/05/23 09:00	Sun 14/05/23 11:00	6312	M Ramosomana,M Kene,L Majoo,Electr
6314		Confirm Correct Protection Settings	0.25 hrs	Sun 14/05/23 11:00	Sun 14/05/23 11:15	6313	L Majoo,Electrician1
6315		Clear Permit	0.25 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:30	6314	L Majoo,Electrician1
6316	**29A2GR02**	**B CALCINER CO2 GAS COMPRESSOR - Carry out electrical maintenance**	**14 hrs**	**Sun 14/05/23 11:30**	**Mon 15/05/23 15:30**	**6297**	
6317		Make out permit	0.25 hrs	Sun 14/05/23 11:30	Sun 14/05/23 11:45		Operations
6318		Accept permit	0.25 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:00	6317	L Majoo,Electrician1
6319		Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Sun 14/05/23 12:30	Sun 14/05/23 12:45	6318	L Majoo,Electrician1
6320		Carry out electrical isolation	0.25 hrs	Sun 14/05/23 12:45	Sun 14/05/23 13:00	6319	L Majoo,Electrician1
6321		Service components in the field panel	1 hr	Sun 14/05/23 13:00	Sun 14/05/23 14:00	6320	L Majoo,Electrician1
6322		Service components in the substation panel	1 hr	Sun 14/05/23 14:00	Sun 14/05/23 15:00	6321	L Majoo,Electrician1
6323		Check motor fan condition	0.25 hrs	Sun 14/05/23 15:00	Sun 14/05/23 15:15	6322	L Majoo,Electrician1
6324		Clean dust filters with water	0.75 hrs	Sun 14/05/23 15:15	Sun 14/05/23 16:00	6323	L Majoo,Electrician1
6325		Check cable terminal leads for over heating	0.25 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:15	6324	L Majoo,Electrician1
6326		Tighten motor connections & Gland intergrity	0.5 hrs	Sun 14/05/23 16:15	Sun 14/05/23 16:45	6325	L Majoo,Electrician1
6327		Ensure motor winding heaters are working	0.5 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:15	6326	L Majoo,Electrician1
6328		Remove fan cover	1 hr	Sun 14/05/23 17:15	Mon 15/05/23 07:15	6327	G Moeseraela,T Moloi,K Gabantogele,M
6329		Clean motor air vents metal rod and compressed air	4 hrs	Mon 15/05/23 07:15	Mon 15/05/23 11:15	6328	L Majoo,Electrician1
6330		Close fan cover	1 hr	Mon 15/05/23 11:15	Mon 15/05/23 12:45	6329	G Moeseraela,T Moloi,K Gabantogele,M
6331		Reinstate winding temperature monitor circuit	1 hr	Mon 15/05/23 12:45	Mon 15/05/23 13:45	6330	L Majoo,Electrician1
6332		Ensure motor winding heater is working	0.5 hrs	Mon 15/05/23 13:45	Mon 15/05/23 14:15	6331	L Majoo,Electrician1
6333		Ensure correct operation of the spring charging circuit	0.5 hrs	Mon 15/05/23 14:15	Mon 15/05/23 14:45	6332	L Majoo,Electrician1
6334		Seal for moisture and dust.	0.25 hrs	Mon 15/05/23 14:45	Mon 15/05/23 15:00	6333	L Majoo,Electrician1
6335		Confirm correct protection settings for all drives	0.25 hrs	Mon 15/05/23 15:00	Mon 15/05/23 15:15	6334	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6336		Clear Permit And Electrical Clearence Certificate	0.25 hrs	Mon 15/05/23 15:15	Mon 15/05/23 15:30	6335	L Majoo,Electrician1
6337	**29BCO2LUBB**	**B 'CO2 COMPRESSOR LUBE OIL PUMP A - Carry out maintenance on electrical components**	**5.5 hrs**	**Mon 15/05/23 15:30**	**Tue 16/05/23 10:00**	**6316**	
6338		Make out permit	0.25 hrs	Mon 15/05/23 15:30	Mon 15/05/23 15:45		L Majoo,Electrician1
6339		Accept permit	0.25 hrs	Mon 15/05/23 15:45	Mon 15/05/23 16:00	6338	L Majoo,Electrician1
6340		Carry out electrical isolation	0.25 hrs	Mon 15/05/23 16:00	Mon 15/05/23 16:15	6339	L Majoo,Electrician1
6341		Disconnect motor	2 hrs	Mon 15/05/23 16:15	Tue 16/05/23 07:15	6340	G Moeseraela,T Moloi,M Ramosomana
6342		Check loose connections in the panel	0.25 hrs	Tue 16/05/23 07:15	Tue 16/05/23 07:30	6341	L Majoo,Electrician1
6343		Check Contactor contacts connetions	0.25 hrs	Tue 16/05/23 07:30	Tue 16/05/23 07:45	6342	L Majoo,Electrician1
6344		Confirm correct setting of protections	0.25 hrs	Tue 16/05/23 07:45	Tue 16/05/23 08:00	6343	L Majoo,Electrician1
6345		Service Stop/start	0.5 hrs	Tue 16/05/23 08:00	Tue 16/05/23 08:30	6344	L Majoo,Electrician1
6346		Check motor fan condition	0.5 hrs	Tue 16/05/23 08:30	Tue 16/05/23 09:00	6345	L Majoo,Electrician1
6347		Check cable terminal leads for over heating	0.25 hrs	Tue 16/05/23 09:00	Tue 16/05/23 09:15	6346	L Majoo,Electrician1
6348		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 16/05/23 09:15	Tue 16/05/23 09:30	6347	L Majoo,Electrician1
6349		Seal for Moisture and dust.	0.25 hrs	Tue 16/05/23 09:30	Tue 16/05/23 09:45	6348	L Majoo,Electrician1
6350		Clear permit	0.25 hrs	Tue 16/05/23 09:45	Tue 16/05/23 10:00	6349	L Majoo,Electrician1
6351	**29BCO2LUBB**	**B 'CO2 COMPRESSOR LUBE OIL PUMP B - Carry out maintenance on electrical components**	**54.25 hrs**	**Fri 05/05/23 07:15**	**Wed 10/05/23 09:00**		
6352		Make out permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		L Majoo,Electrician1
6353		Accept permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6352	L Majoo,Electrician1
6354		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	6353	L Majoo,Electrician1
6355		Disconnect motor	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	6354	L Majoo,Electrician1
6356		Send motor for repairs	48 hrs	Fri 05/05/23 08:30	Tue 09/05/23 15:00	6355	L Majoo,Electrician1,Riggers,M_Crane7
6357		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:15	6356	L Majoo,Electrician1
6358		Check Contactor contacts connetions	0.25 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:30	6357	L Majoo,Electrician1
6359		Confirm correct setting of protections	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45	6358	L Majoo,Electrician1
6360		Service Stop/start	0.5 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:15	6359	L Majoo,Electrician1
6361		Install motor	1.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 17:45	6360	Riggers,M_Crane7T
6362		Connect motor	0.75 hrs	Tue 09/05/23 17:45	Wed 10/05/23 07:30	6361	L Majoo,Electrician1
6363		Check motor fan condition	0.5 hrs	Wed 10/05/23 07:30	Wed 10/05/23 08:00	6362	L Majoo,Electrician1
6364		Check cable terminal leads for over heating	0.25 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:15	6363	L Majoo,Electrician1
6365		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 10/05/23 08:15	Wed 10/05/23 08:30	6364	L Majoo,Electrician1
6366		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45	6365	L Majoo,Electrician1
6367		Clear permit	0.25 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:00	6366	L Majoo,Electrician1
6368	**29BCO2SEA**	**B 'CO2 SEAL WATER PUMP A - Carry out maintenance on electrical components**	**54.5 hrs**	**Wed 10/05/23 09:00**	**Mon 15/05/23 11:00**	**6351**	
6369		Make out permit	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15		Operations
6370		Accept permit	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	6369	L Majoo,Electrician1
6371		Carry out electrical isolation	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45	6370	L Majoo,Electrician1
6372		Disconnect motor	0.5 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:15	6371	L Majoo,Electrician1
6373		Send motor for repairs	48 hrs	Wed 10/05/23 10:15	Sun 14/05/23 16:45	6372	L Majoo,Electrician1,Riggers,M_Crane7
6374		Check loose connections in the panel	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	6373	L Majoo,Electrician1
6375		Check Contactor contacts connetions	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	6374	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6376		Confirm correct setting of protections	0.25 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:30	6375	L Majoo,Electrician1
6377		Service Stop/start	0.5 hrs	Sun 14/05/23 17:30	Sun 14/05/23 18:00	6376	L Majoo,Electrician1
6378		Check motor fan condition	0.5 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:30	6377	L Majoo,Electrician1
6379		Install motor	1 hr	Mon 15/05/23 07:30	Mon 15/05/23 08:30	6378	G Moeseraela,T Moloi,M Ramosomana
6380		Connect motor	1.5 hrs	Mon 15/05/23 08:30	Mon 15/05/23 10:00	6379	L Majoo,Electrician1
6381		Check cable terminal leads for over heating	0.25 hrs	Mon 15/05/23 10:00	Mon 15/05/23 10:15	6380	L Majoo,Electrician1
6382		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 15/05/23 10:15	Mon 15/05/23 10:30	6381	L Majoo,Electrician1
6383		Seal for Moisture and dust.	0.25 hrs	Mon 15/05/23 10:30	Mon 15/05/23 10:45	6382	L Majoo,Electrician1
6384		Clear permit	0.25 hrs	Mon 15/05/23 10:45	Mon 15/05/23 11:00	6383	L Majoo,Electrician1
6385	**29BCO2SEA**	**B 'CO2 SEAL WATER PUMP B - Carry out maintenance on electrical components**	**54.5 hrs**	**Mon 15/05/23 11:00**	**Sat 20/05/23 13:30**	**6368**	
6386		Make out permit	0.25 hrs	Mon 15/05/23 11:00	Mon 15/05/23 11:15		Operations
6387		Accept permit	0.25 hrs	Mon 15/05/23 11:15	Mon 15/05/23 11:30	6386	L Majoo,Electrician1
6388		Carry out electrical isolation	0.25 hrs	Mon 15/05/23 11:30	Mon 15/05/23 11:45	6387	L Majoo,Electrician1
6389		Disconnect motor	0.5 hrs	Mon 15/05/23 11:45	Mon 15/05/23 12:45	6388	L Majoo,Electrician1
6390		Send motor for repairs	48 hrs	Mon 15/05/23 12:45	Sat 20/05/23 07:45	6389	L Majoo,Electrician1,Riggers,M_Crane7
6391		Check loose connections in the panel	0.25 hrs	Sat 20/05/23 07:45	Sat 20/05/23 08:00	6390	L Majoo,Electrician1
6392		Check Contactor contacts connetions	0.25 hrs	Sat 20/05/23 08:00	Sat 20/05/23 08:15	6391	L Majoo,Electrician1
6393		Confirm correct setting of protections	0.25 hrs	Sat 20/05/23 08:15	Sat 20/05/23 08:30	6392	L Majoo,Electrician1
6394		Service Stop/start	0.5 hrs	Sat 20/05/23 08:30	Sat 20/05/23 09:00	6393	L Majoo,Electrician1
6395		Check motor fan condition	0.5 hrs	Sat 20/05/23 09:00	Sat 20/05/23 09:30	6394	L Majoo,Electrician1
6396		Connect motor	2.5 hrs	Sat 20/05/23 09:30	Sat 20/05/23 12:00	6395	L Majoo,Electrician1
6397		Check cable terminal leads for over heating	0.25 hrs	Sat 20/05/23 12:30	Sat 20/05/23 12:45	6396	L Majoo,Electrician1
6398		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 20/05/23 12:45	Sat 20/05/23 13:00	6397	L Majoo,Electrician1
6399		Seal for Moisture and dust.	0.25 hrs	Sat 20/05/23 13:00	Sat 20/05/23 13:15	6398	L Majoo,Electrician1
6400		Clear permit	0.25 hrs	Sat 20/05/23 13:15	Sat 20/05/23 13:30	6399	L Majoo,Electrician1
6401	**29A2RF08**	**# B DISCHARGE SCREW CONVEYOR - Services Electric Motor And Panel Components**	**5.75 hrs**	**Fri 05/05/23 07:15**	**Fri 05/05/23 13:30**		
6402		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
6403		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6402	L Majoo,Electrician1
6404		Services Electric Motor And Panel Components	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	6403	L Majoo,Electrician1
6405		Carry Out Electrical Isolation	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	6404	L Majoo,Electrician1
6406		Check Loose Connections In The Panel	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	6405	L Majoo,Electrician1
6407		Check Contactor Contacts	0.25 hrs	Fri 05/05/23 08:30	Fri 05/05/23 08:45	6406	L Majoo,Electrician1
6408		Service Stop/Start	0.25 hrs	Fri 05/05/23 08:45	Fri 05/05/23 09:00	6407	L Majoo,Electrician1
6409		Check Fan Condition	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	6408	L Majoo,Electrician1
6410		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30	6409	L Majoo,Electrician1
6411		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	6410	L Majoo,Electrician1
6412		Tighten Motor Connections & Gland Intergrity	0.5 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:15	6411	L Majoo,Electrician1
6413		Seal For Moisture And Dust	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	6412	L Majoo,Electrician1
6414		Install and connect motor	2 hrs	Fri 05/05/23 10:30	Fri 05/05/23 13:00	6413	G Moeseraela,T Moloi,K Gabantogele,M
6415		Confirm Correct Protection Settings	0.25 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:15	6414	L Majoo,Electrician1
6416		Clear Permit	0.25 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:30	6415	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6417	**29A2RF09**	**# B INCLINED TROUGH CHAIN CONVEYOR - Services Electric Motor And Panel Components**	**4 hrs**	**Fri 05/05/23 13:30**	**Fri 05/05/23 17:30**	**6401**	
6418		Make Out Permit	0.25 hrs	Fri 05/05/23 13:30	Fri 05/05/23 13:45		Operations
6419		Accept Permit	0.25 hrs	Fri 05/05/23 13:45	Fri 05/05/23 14:00	6418	L Majoo,Electrician1
6420		Carry Out Electrical Isolation	0.25 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:15	6419	L Majoo,Electrician1
6421		Services Electric Motor And Panel Components	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	6420	L Majoo,Electrician1
6422		Check Loose Connections In The Panel	0.25 hrs	Fri 05/05/23 14:30	Fri 05/05/23 14:45	6421	L Majoo,Electrician1
6423		Clean Panel Interior	0.25 hrs	Fri 05/05/23 14:45	Fri 05/05/23 15:00	6422	L Majoo,Electrician1
6424		Check Contactor Contacts	0.25 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:15	6423	L Majoo,Electrician1
6425		Service U/S Circuit	0.25 hrs	Fri 05/05/23 15:15	Fri 05/05/23 15:30	6424	L Majoo,Electrician1
6426		Service Stop/Start	0.25 hrs	Fri 05/05/23 15:30	Fri 05/05/23 15:45	6425	L Majoo,Electrician1
6427		Check Fan Condition	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00	6426	L Majoo,Electrician1
6428		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:15	6427	L Majoo,Electrician1
6429		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30	6428	L Majoo,Electrician1
6430		Service Go Switches And Test Functionality	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	6429	L Majoo,Electrician1
6431		Seal For Moisture And Dust	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	6430	L Majoo,Electrician1
6432		Confirm Correct Protection Settings	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	6431	L Majoo,Electrician1
6433		Clear Permit	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30	6432	L Majoo,Electrician1
6434	**29A2RF10**	**# B1 DUST DISCHARGE CONVEYOR - Services Electric Motor And Panel Components**	**7.25 hrs**	**Fri 05/05/23 07:15**	**Fri 05/05/23 15:00**		
6435		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
6436		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6435	L Majoo,Electrician1
6437		Carry Out Electrical Isolation	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	6436	L Majoo,Electrician1
6438		Services Electric Motor And Panel Components	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	6437	L Majoo,Electrician1
6439		Check Loose Connections In The Panel	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	6438	L Majoo,Electrician1
6440		Check Contactor Contacts	1.75 hrs	Fri 05/05/23 08:30	Fri 05/05/23 10:15	6439	L Majoo,Electrician1
6441		Install siren canopy	2 hrs	Fri 05/05/23 10:15	Fri 05/05/23 12:45	6440	L Majoo,Electrician1
6442		Service Stop/Start	0.25 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:00	6441	L Majoo,Electrician1
6443		Check Fan Condition	0.25 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:15	6442	L Majoo,Electrician1
6444		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:30	6443	L Majoo,Electrician1
6445		Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 05/05/23 13:30	Fri 05/05/23 13:45	6444	L Majoo,Electrician1
6446		Tighten Motor Connections & Gland Intergrity	0.5 hrs	Fri 05/05/23 13:45	Fri 05/05/23 14:15	6445	L Majoo,Electrician1
6447		Seal For Moisture And Dust	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	6446	L Majoo,Electrician1
6448		Confirm Correct Protection Settings	0.25 hrs	Fri 05/05/23 14:30	Fri 05/05/23 14:45	6447	L Majoo,Electrician1
6449		Clear Permit	0.25 hrs	Fri 05/05/23 14:45	Fri 05/05/23 15:00	6448	L Majoo,Electrician1
6450	**29A2RF11**	**# B2 DUST DISCHARGE CONVEYOR - Services Electric Motor And Panel Components**	**7.25 hrs**	**Fri 05/05/23 15:00**	**Sat 06/05/23 11:15**	**6434**	
6451		Make Out Permit	0.25 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:15		Operations
6452		Accept Permit	0.25 hrs	Fri 05/05/23 15:15	Fri 05/05/23 15:30	6451	L Majoo,Electrician1
6453		Carry Out Electrical Isolation	0.25 hrs	Fri 05/05/23 15:30	Fri 05/05/23 15:45	6452	L Majoo,Electrician1
6454		Services Electric Motor And Panel Components	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00	6453	L Majoo,Electrician1
6455		Check Loose Connections In The Panel	0.25 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:15	6454	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6456		Check Contactor Contacts	1.75 hrs	Fri 05/05/23 16:15	Fri 05/05/23 18:00	6455	L Majoo,Electrician1
6457		Install siren canopy	2 hrs	Sat 06/05/23 07:00	Sat 06/05/23 09:00	6456	L Majoo,Electrician1
6458		Service Stop/Start	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15	6457	L Majoo,Electrician1
6459		Check Fan Condition	0.25 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:30	6458	L Majoo,Electrician1
6460		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:45	6459	L Majoo,Electrician1
6461		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:00	6460	L Majoo,Electrician1
6462		Tighten Motor Connections & Gland Intergrity	0.5 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:30	6461	L Majoo,Electrician1
6463		Seal For Moisture And Dust	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45	6462	L Majoo,Electrician1
6464		Confirm Correct Protection Settings	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	6463	L Majoo,Electrician1
6465		Clear Permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	6464	L Majoo,Electrician1
6466	**29A2RF12**	**# B COLLECTED DUST SCREW CONVEYOR - Services Electric Motor And Panel Components**	**7.25 hrs**	**Sat 06/05/23 11:15**	**Sun 07/05/23 08:00**	**6450**	
6467		Make Out Permit	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30		Operations
6468		Accept Permit	0.25 hrs	Sat 06/05/23 11:30	Sat 06/05/23 11:45	6467	L Majoo,Electrician1
6469		Carry Out Electrical Isolation	0.25 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:00	6468	L Majoo,Electrician1
6470		Services Electric Motor And Panel Components	0.25 hrs	Sat 06/05/23 12:30	Sat 06/05/23 12:45	6469	L Majoo,Electrician1
6471		Check Loose Connections In The Panel	0.25 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:00	6470	L Majoo,Electrician1
6472		Check Contactor Contacts	1.75 hrs	Sat 06/05/23 13:00	Sat 06/05/23 14:45	6471	L Majoo,Electrician1
6473		Service Stop/Start	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	6472	L Majoo,Electrician1
6474		Install siren canopy	2 hrs	Sat 06/05/23 15:00	Sat 06/05/23 17:00	6473	L Majoo,Electrician1
6475		Check Fan Condition	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15	6474	L Majoo,Electrician1
6476		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	6475	L Majoo,Electrician1
6477		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 06/05/23 17:30	Sat 06/05/23 17:45	6476	L Majoo,Electrician1
6478		Tighten Motor Connections & Gland Intergrity	0.5 hrs	Sat 06/05/23 17:45	Sun 07/05/23 07:15	6477	L Majoo,Electrician1
6479		Seal For Moisture And Dust	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	6478	L Majoo,Electrician1
6480		Confirm Correct Protection Settings	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	6479	L Majoo,Electrician1
6481		Clear Permit	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	6480	L Majoo,Electrician1
6482	**29A2RM04**	**# B BICARBONATE STAR FEEDER - Services Electric Motor And Panel Components**	**3.5 hrs**	**Sun 07/05/23 08:00**	**Sun 07/05/23 11:30**	**6466**	
6483		Make Out Permit	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15		Operations
6484		Accept Permit	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30	6483	L Majoo,Electrician1
6485		Carry Out Electrical Isolation	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	6484	L Majoo,Electrician1
6486		Services Electric Motor And Panel Components	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	6485	L Majoo,Electrician1
6487		Check Loose Connections In The Panel	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	6486	L Majoo,Electrician1
6488		Check Contactor Contacts	0.25 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:30	6487	L Majoo,Electrician1
6489		Service Stop/Start	0.25 hrs	Sun 07/05/23 09:30	Sun 07/05/23 09:45	6488	L Majoo,Electrician1
6490		Check Fan Condition	0.25 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:00	6489	L Majoo,Electrician1
6491		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:15	6490	L Majoo,Electrician1
6492		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:30	6491	L Majoo,Electrician1
6493		Tightenn Motor Connections & Gland Intergrity	0.25 hrs	Sun 07/05/23 10:30	Sun 07/05/23 10:45	6492	L Majoo,Electrician1
6494		Seal For Moisture And Dust	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	6493	L Majoo,Electrician1
6495		Confirm Correct Protection Settings	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	6494	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6496		Clear Permit	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30	6495	L Majoo,Electrician1
6497	**29A2RM05**	**# B RECYCLE SODA ASH STAR FEEDER - Services Electric Motor And Panel Components**	**4.5 hrs**	**Sun 07/05/23 11:30**	**Sun 07/05/23 16:30**	**6482**	
6498		Make Out Permit	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45		Operations
6499		Accept Permit	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	6498	L Majoo,Electrician1
6500		Carry Out Electrical Isolation	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	6499	L Majoo,Electrician1
6501		Services Electric Motor And Panel Components	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	6500	L Majoo,Electrician1
6502		Clean VSD air vents	1 hr	Sun 07/05/23 13:00	Sun 07/05/23 14:00	6501	
6503		Check Loose Connections In The Panel	0.25 hrs	Sun 07/05/23 14:00	Sun 07/05/23 14:15	6502	L Majoo,Electrician1
6504		Check Contactor Contacts	0.25 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:30	6503	L Majoo,Electrician1
6505		Service Stop/Start	0.25 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:45	6504	L Majoo,Electrician1
6506		Check Fan Condition	0.25 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:00	6505	L Majoo,Electrician1
6507		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:15	6506	L Majoo,Electrician1
6508		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 07/05/23 15:15	Sun 07/05/23 15:30	6507	L Majoo,Electrician1
6509		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sun 07/05/23 15:30	Sun 07/05/23 15:45	6508	L Majoo,Electrician1
6510		Seal For Moisture And Dust	0.25 hrs	Sun 07/05/23 15:45	Sun 07/05/23 16:00	6509	L Majoo,Electrician1
6511		Confirm Correct Protection Settings	0.25 hrs	Sun 07/05/23 16:00	Sun 07/05/23 16:15	6510	L Majoo,Electrician1
6512		Clear Permit	0.25 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:30	6511	L Majoo,Electrician1
6513	**29A2RM06**	**# B DISCHARGE STAR FEEDER - Services Electric Motor And Panel Components**	**5.75 hrs**	**Sun 07/05/23 16:30**	**Mon 08/05/23 11:15**	**6497**	
6514		Make Out Permit	0.25 hrs	Sun 07/05/23 16:30	Sun 07/05/23 16:45		Operations
6515		Accept Permit	0.25 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:00	6514	L Majoo,Electrician1
6516		Carry Out Electrical Isolation	0.25 hrs	Sun 07/05/23 17:00	Sun 07/05/23 17:15	6515	L Majoo,Electrician1
6517		Services Electric Motor And Panel Components	0.25 hrs	Sun 07/05/23 17:15	Sun 07/05/23 17:30	6516	L Majoo,Electrician1
6518		Check Loose Connections In The Panel	0.25 hrs	Sun 07/05/23 17:30	Sun 07/05/23 17:45	6517	L Majoo,Electrician1
6519		Check Contactor Contacts	0.25 hrs	Sun 07/05/23 17:45	Sun 07/05/23 18:00	6518	L Majoo,Electrician1
6520		Service Stop/Start	0.25 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:15	6519	L Majoo,Electrician1
6521		Check Fan Condition	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30	6520	L Majoo,Electrician1
6522		Install motor	1 hr	Mon 08/05/23 07:30	Mon 08/05/23 08:30	6521	G Moeseraela,T Moloi,M Ramosomana
6523		Connect motor	1 hr	Mon 08/05/23 08:30	Mon 08/05/23 09:30	6522	L Majoo,Electrician1
6524		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Mon 08/05/23 09:30	Mon 08/05/23 09:45	6523	L Majoo,Electrician1
6525		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 08/05/23 09:45	Mon 08/05/23 10:00	6524	L Majoo,Electrician1
6526		Tighten Motor Connections & Gland Intergrity	0.5 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:30	6525	L Majoo,Electrician1
6527		Seal For Moisture And Dust	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45	6526	L Majoo,Electrician1
6528		Confirm Correct Protection Settings	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00	6527	L Majoo,Electrician1
6529		Clear Permit	0.25 hrs	Mon 08/05/23 11:00	Mon 08/05/23 11:15	6528	L Majoo,Electrician1
6530	**29A2GR02**	**# B CALCINER - Services Electric Motor And Panel Components**	**3.75 hrs**	**Mon 08/05/23 11:15**	**Mon 08/05/23 15:30**	**6513**	
6531		Make Out Permit	0.25 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:30		Operations
6532		Accept Permit	0.25 hrs	Mon 08/05/23 11:30	Mon 08/05/23 11:45	6531	L Majoo,Electrician1
6533		Carry Out Electrical Isolation	0.25 hrs	Mon 08/05/23 12:30	Mon 08/05/23 12:45	6534	L Majoo,Electrician1
6534		Services Electric Motor And Panel Components	0.25 hrs	Mon 08/05/23 11:45	Mon 08/05/23 12:00	6532	L Majoo,Electrician1
6535		Check Loose Connections In The Panel	0.25 hrs	Mon 08/05/23 12:45	Mon 08/05/23 13:00	6533	L Majoo,Electrician1
6536		Check Contactor Contacts	0.25 hrs	Mon 08/05/23 13:00	Mon 08/05/23 13:15	6535	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6537		Service Main/Auxillary Interlocking Switch	0.25 hrs	Mon 08/05/23 13:15	Mon 08/05/23 13:30	6536	L Majoo,Electrician1
6538		Service Stop/Start	0.25 hrs	Mon 08/05/23 13:30	Mon 08/05/23 13:45	6537	L Majoo,Electrician1
6539		Check Fan Condition	0.25 hrs	Mon 08/05/23 13:45	Mon 08/05/23 14:00	6538	L Majoo,Electrician1
6540		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:15	6539	L Majoo,Electrician1
6541		Tighten Motor Connections & Gland Intergrity	0.5 hrs	Mon 08/05/23 14:15	Mon 08/05/23 14:45	6540	L Majoo,Electrician1
6542		Seal For Moisture And Dust	0.25 hrs	Mon 08/05/23 14:45	Mon 08/05/23 15:00	6541	L Majoo,Electrician1
6543		Confirm Correct Protection Settings	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	6542	L Majoo,Electrician1
6544		Clear Permit	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30	6543	L Majoo,Electrician1
6545	**29A2GB04**	**# B CALCINER AUX DRIVE - Services Electric Motor And Panel Components**	**3.5 hrs**	**Mon 08/05/23 15:30**	**Tue 09/05/23 08:00**	**6530**	
6546		Make Out Permit	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45		Operations
6547		Accept Permit	0.25 hrs	Mon 08/05/23 15:45	Mon 08/05/23 16:00	6546	L Majoo,Electrician1
6548		Carry Out Electrical Isolation	0.25 hrs	Mon 08/05/23 16:00	Mon 08/05/23 16:15	6547	L Majoo,Electrician1
6549		Services Electric Motor And Panel Components	0.25 hrs	Mon 08/05/23 16:15	Mon 08/05/23 16:30	6548	L Majoo,Electrician1
6550		Service Main/Auxillary Interlocking Switch	0.25 hrs	Mon 08/05/23 16:30	Mon 08/05/23 16:45	6549	L Majoo,Electrician1
6551		Check Loose Connections In The Panel	0.25 hrs	Mon 08/05/23 16:45	Mon 08/05/23 17:00	6550	L Majoo,Electrician1
6552		Check Contactor Contacts	0.25 hrs	Mon 08/05/23 17:00	Mon 08/05/23 17:15	6551	L Majoo,Electrician1
6553		Service Stop/Start	0.25 hrs	Mon 08/05/23 17:15	Mon 08/05/23 17:30	6552	L Majoo,Electrician1
6554		Check Fan Condition	0.25 hrs	Mon 08/05/23 17:30	Mon 08/05/23 17:45	6553	L Majoo,Electrician1
6555		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 08/05/23 17:45	Mon 08/05/23 18:00	6554	L Majoo,Electrician1
6556		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	6555	L Majoo,Electrician1
6557		Seal For Moisture And Dust	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	6556	L Majoo,Electrician1
6558		Confirm Correct Protection Settings	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	6557	L Majoo,Electrician1
6559		Clear Permit	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	6558	L Majoo,Electrician1
6560	**29A2GL02**	**B DOUBLE SHAFT MIXER - Carry out Electrical maintenance**	**3.5 hrs**	**Fri 19/05/23 15:30**	**Sat 20/05/23 08:00**	**5621**	
6561		Fabricate cable racks prior	0 hrs	Fri 19/05/23 15:30	Fri 19/05/23 15:30		Fab. Workshop
6562		Make out permit	0.25 hrs	Fri 19/05/23 15:30	Fri 19/05/23 15:45	6561	Operations
6563		Accept permit	0.25 hrs	Fri 19/05/23 15:45	Fri 19/05/23 16:00	6562	L Majoo,Electrician1
6564		Carry out Electrical isolation	0.25 hrs	Fri 19/05/23 16:00	Fri 19/05/23 16:15	6563	L Majoo,Electrician1
6565		Check loose connections in the panel	0.25 hrs	Fri 19/05/23 16:15	Fri 19/05/23 16:30	6564	L Majoo,Electrician1
6566		Clean panel interior	0.25 hrs	Fri 19/05/23 16:30	Fri 19/05/23 16:45	6565	L Majoo,Electrician1
6567		Check Contactor contacts	0.25 hrs	Fri 19/05/23 16:45	Fri 19/05/23 17:00	6566	L Majoo,Electrician1
6568		Service U/S circuit	0.25 hrs	Fri 19/05/23 17:00	Fri 19/05/23 17:15	6567	L Majoo,Electrician1
6569		Service Stop/start	0.25 hrs	Fri 19/05/23 17:15	Fri 19/05/23 17:30	6568	L Majoo,Electrician1
6570		Check fan condition	0.25 hrs	Fri 19/05/23 17:30	Fri 19/05/23 17:45	6569	L Majoo,Electrician1
6571		Check cable terminal leads for over heating	0.25 hrs	Fri 19/05/23 17:45	Fri 19/05/23 18:00	6570	L Majoo,Electrician1
6572		Tighten Motor connections& Gland intergrity	0.25 hrs	Sat 20/05/23 07:00	Sat 20/05/23 07:15	6571	L Majoo,Electrician1
6573		Seal for Moisture and dust.	0.25 hrs	Sat 20/05/23 07:15	Sat 20/05/23 07:30	6572	L Majoo,Electrician1
6574		Confirm correct protection settings	0.25 hrs	Sat 20/05/23 07:30	Sat 20/05/23 07:45	6573	L Majoo,Electrician1
6575		Clear permit	0.25 hrs	Sat 20/05/23 07:45	Sat 20/05/23 08:00	6574	L Majoo,Electrician1
6576		**INSTRUMENTATION**	**122 hrs**	**Fri 05/05/23 07:15**	**Tue 16/05/23 14:15**	**5793**	
6577	**29LC201**	**# B CONDENSATE COLLECTING TANK - overhaul valve**	**9 hrs**	**Fri 05/05/23 07:15**	**Fri 05/05/23 16:45**		
6578		Make out permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6579		Accept permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6578	O Jacob,K Dijeng
6580		Disconnect instruments	1 hr	Fri 05/05/23 07:45	Fri 05/05/23 08:45	6579	O Jacob,K Dijeng
6581		Remove valve	2 hrs	Fri 05/05/23 08:45	Fri 05/05/23 10:45	6580	Aveng,G Moeseraela,T Moloi,K Gabant
6582		Overhaul valve	3 hrs	Fri 05/05/23 10:45	Fri 05/05/23 14:15	6581	Aveng,O Jacob,K Dijeng
6583		Install valve	2 hrs	Fri 05/05/23 14:15	Fri 05/05/23 16:15	6582	Aveng,G Moeseraela,T Moloi,K Gabant
6584		Stroke check valve	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30	6583	O Jacob,K Dijeng
6585		Clear permit	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	6584	O Jacob,K Dijeng
6586	**29PC244**	**# B CO2 COMPRESSOR SELF REGULATING VALVES - Inspection**	**1.5 hrs**	**Fri 05/05/23 16:45**	**Sat 06/05/23 07:15**	**6577**	
6587		Make out permit	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00		Operations
6588		Accept permit	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	6587	O Jacob,K Dijeng
6589		Inspect valve	1 hr	Fri 05/05/23 17:15	Sat 06/05/23 07:15	6588	O Jacob,K Dijeng
6590		Clear permit	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00		O Jacob,K Dijeng
6591	**29B2GB02**	**# B CO2 COMPRESSOR DISCHARGE SHUT-OFF VALVE - Overhaul**	**12 hrs**	**Sat 06/05/23 07:15**	**Sun 07/05/23 08:45**	**6586**	
6592		Make out permit	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30		Operations
6593		Accept permit	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45	6592	O Jacob,K Dijeng
6594		Disconnect instruments	1 hr	Sat 06/05/23 07:45	Sat 06/05/23 08:45	6593	O Jacob,K Dijeng
6595		Remove valve	3 hrs	Sat 06/05/23 08:45	Sat 06/05/23 11:45	6594	O Jacob,K Dijeng,M Ramosomana,M Ke
6596		Overhaul valve	4 hrs	Sat 06/05/23 11:45	Sat 06/05/23 16:15	6595	O Jacob,K Dijeng
6597		Install valve	3 hrs	Sat 06/05/23 16:15	Sun 07/05/23 08:15	6596	O Jacob,K Dijeng,M Ramosomana,M Ke
6598		Stroke check valve	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30	6597	O Jacob,K Dijeng
6599		Clear permit	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	6598	O Jacob,K Dijeng
6600	**29B2GB02**	**# B CO2 COMPRESSOR PRESSURE GAUGES - calibrate & mark**	**10.75 hrs**	**Sun 07/05/23 08:45**	**Mon 08/05/23 09:00**	**6591**	
6601		Make out permit	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00		Operations
6602		Accept permit	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	6601	O Jacob,K Dijeng
6603		Remove gauges	2 hrs	Sun 07/05/23 09:15	Sun 07/05/23 11:15	6602	O Jacob,K Dijeng
6604		Calibrate & mark gauges	5 hrs	Sun 07/05/23 11:15	Sun 07/05/23 16:45	6603	O Jacob,K Dijeng
6605		Install gauges	3 hrs	Sun 07/05/23 16:45	Mon 08/05/23 08:45	6604	O Jacob,K Dijeng
6606		Clear permit	0.25 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:00	6605	O Jacob,K Dijeng
6607	**29PC203**	**# B CALCINER PRESSURE CONTROL VALVE - overhaul valve**	**12.25 hrs**	**Mon 08/05/23 09:00**	**Tue 09/05/23 10:45**	**6600**	
6608		Make out permit	0.25 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:15		Operations
6609		Accept permit	0.25 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:30	6608	O Jacob,K Dijeng
6610		Disconnect instruments	1 hr	Mon 08/05/23 09:30	Mon 08/05/23 10:30	6609	O Jacob,K Dijeng
6611		Remove valve	3.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 14:15	6610	G Moeseraela,T Moloi,K Gabantogele,C
6612		Overhaul valve	4 hrs	Mon 08/05/23 14:15	Tue 09/05/23 07:15	6611	Aveng,O Jacob,K Dijeng,M Ramosoman
6613		Install valve	3 hrs	Tue 09/05/23 07:15	Tue 09/05/23 10:15	6612	G Moeseraela,T Moloi,K Gabantogele,C
6614		Stroke check valve	0.25 hrs	Tue 09/05/23 10:15	Tue 09/05/23 10:30	6613	O Jacob,K Dijeng
6615		Clear permit	0.25 hrs	Tue 09/05/23 10:30	Tue 09/05/23 10:45	6614	O Jacob,K Dijeng
6616	**29LC206**	**# B SCRUBBER LEVEL CONTROL VALVE - overhaul valve**	**13.25 hrs**	**Tue 09/05/23 10:45**	**Wed 10/05/23 14:00**	**6607**	
6617		Make out permit	0.25 hrs	Tue 09/05/23 10:45	Tue 09/05/23 11:00		Operations
6618		Accept permit	0.25 hrs	Tue 09/05/23 11:00	Tue 09/05/23 11:15	6617	O Jacob,K Dijeng
6619		Disconnect instruments	1 hr	Tue 09/05/23 11:15	Tue 09/05/23 12:45	6618	O Jacob,K Dijeng
6620		Remove valve	4 hrs	Tue 09/05/23 12:45	Tue 09/05/23 16:45	6619	G Moeseraela,T Moloi,K Gabantogele,C

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6621		Overhaul valve	4 hrs	Tue 09/05/23 16:45	Wed 10/05/23 09:45	6620	O Jacob,K Dijeng
6622		Install valve	3 hrs	Wed 10/05/23 09:45	Wed 10/05/23 13:15	6621	G Moeseraela,T Moloi,K Gabantogele,C
6623		Stroke check valve	0.5 hrs	Wed 10/05/23 13:15	Wed 10/05/23 13:45	6622	O Jacob,K Dijeng
6624		Clear permit	0.25 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:00	6623	O Jacob,K Dijeng
6625	**29LXV201**	**# B CALCINER PRESSURE RELIEF VALVE - overhaul valve**	**12 hrs**	**Wed 10/05/23 14:00**	**Thu 11/05/23 15:30**	**6616**	
6626		Make out permit	0.25 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:15		Operations
6627		Accept permit	0.25 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:30	6626	O Jacob,K Dijeng
6628		Disconnect instruments	1 hr	Wed 10/05/23 14:30	Wed 10/05/23 15:30	6627	O Jacob,K Dijeng
6629		Remove valve	3 hrs	Wed 10/05/23 15:30	Thu 11/05/23 07:30	6628	O Jacob,K Dijeng,M Ramosomana,M Ke
6630		Overhaul valve	4 hrs	Thu 11/05/23 07:30	Thu 11/05/23 11:30	6629	O Jacob,K Dijeng
6631		Install valve	3 hrs	Thu 11/05/23 11:30	Thu 11/05/23 15:00	6630	O Jacob,K Dijeng,M Ramosomana,M Ke
6632		Stroke check valve	0.25 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:15	6631	O Jacob,K Dijeng
6633		Clear permit	0.25 hrs	Thu 11/05/23 15:15	Thu 11/05/23 15:30	6632	O Jacob,K Dijeng
6634	**29LC211A**	**# B CO2 COMPRESSOR CONDENSATE RECEIVER LEVEL - overhaul valve**	**12 hrs**	**Thu 11/05/23 15:30**	**Fri 12/05/23 17:00**	**6625**	
6635		Make out permit	0.25 hrs	Thu 11/05/23 15:30	Thu 11/05/23 15:45		Operations
6636		Accept permit	0.25 hrs	Thu 11/05/23 15:45	Thu 11/05/23 16:00	6635	O Jacob,K Dijeng
6637		Disconnect instruments	1 hr	Thu 11/05/23 16:00	Thu 11/05/23 17:00	6636	O Jacob,K Dijeng
6638		Remove valve	3 hrs	Thu 11/05/23 17:00	Fri 12/05/23 09:00	6637	O Jacob,K Dijeng,M Ramosomana,M Ke
6639		Overhaul valve	4 hrs	Fri 12/05/23 09:00	Fri 12/05/23 13:30	6638	O Jacob,K Dijeng
6640		Install valve	3 hrs	Fri 12/05/23 13:30	Fri 12/05/23 16:30	6639	O Jacob,K Dijeng,M Ramosomana,M Ke
6641		Stroke check valve	0.25 hrs	Fri 12/05/23 16:30	Fri 12/05/23 16:45	6640	O Jacob,K Dijeng
6642		Clear permit	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	6641	O Jacob,K Dijeng
6643	**29LC211B**	**# B CO2 COMPRESSOR CONDENSATE RECEIVER LEVEL - overhaul valve**	**12.25 hrs**	**Fri 12/05/23 17:00**	**Sun 14/05/23 07:45**	**6634**	
6644		Make out permit	0.25 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:15		Operations
6645		Accept permit	1 hr	Fri 12/05/23 17:15	Sat 13/05/23 07:15	6644	O Jacob,K Dijeng
6646		Disconnect instruments	3 hrs	Sat 13/05/23 07:15	Sat 13/05/23 10:15	6645	O Jacob,K Dijeng
6647		Remove valve	4 hrs	Sat 13/05/23 10:15	Sat 13/05/23 14:45	6646	O Jacob,K Dijeng,M Ramosomana,M Ke
6648		Overhaul valve	3 hrs	Sat 13/05/23 14:45	Sat 13/05/23 17:45	6647	O Jacob,K Dijeng
6649		Install valve	0.5 hrs	Sat 13/05/23 17:45	Sun 14/05/23 07:15	6648	O Jacob,K Dijeng,M Ramosomana,M Ke
6650		Stroke check valve	0.25 hrs	Sun 14/05/23 07:15	Sun 14/05/23 07:30	6649	O Jacob,K Dijeng
6651		Clear permit	0.25 hrs	Sun 14/05/23 07:30	Sun 14/05/23 07:45	6650	O Jacob,K Dijeng
6652	**29LC210**	**# B CO2 COMPRESSOR SEAL WATER RECEIVER LEVEL - overhaul valve**	**9.25 hrs**	**Sun 14/05/23 07:45**	**Sun 14/05/23 17:30**	**6643**	
6653		Make out permit	0.25 hrs	Sun 14/05/23 07:45	Sun 14/05/23 08:00		Operations
6654		Accept permit	1 hr	Sun 14/05/23 08:00	Sun 14/05/23 09:00	6653	O Jacob,K Dijeng
6655		Disconnect instruments	3 hrs	Sun 14/05/23 09:00	Sun 14/05/23 12:00	6654	O Jacob,K Dijeng
6656		Remove valve	4 hrs	Sun 14/05/23 12:30	Sun 14/05/23 16:30	6655	O Jacob,K Dijeng,M Ramosomana,M Ke
6657		Install valve	0.5 hrs	Sun 14/05/23 16:30	Sun 14/05/23 17:00	6656	O Jacob,K Dijeng
6658		Stroke check valve	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	6657	O Jacob,K Dijeng
6659		Clear permit	0.25 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:30	6658	O Jacob,K Dijeng
6660	**29ZI 201**	**# B CO2 COMPRESSOR - Inspect thrust bearing position monitoring system**	**2.75 hrs**	**Sun 14/05/23 17:30**	**Mon 15/05/23 09:15**	**6652**	
6661		Make out permit	0.25 hrs	Sun 14/05/23 17:30	Sun 14/05/23 17:45		Operations
6662		Accept permit	0.25 hrs	Sun 14/05/23 17:45	Sun 14/05/23 18:00	6661	O Jacob,K Dijeng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6663		Inspect the system	2 hrs	Mon 15/05/23 07:00	Mon 15/05/23 09:00	6662	O Jacob,K Dijeng
6664		Clear permit	0.25 hrs	Mon 15/05/23 09:00	Mon 15/05/23 09:15	6663	O Jacob,K Dijeng
6665	**29ZI 202**	**# B CO2 COMPRESSOR - Inspect thrust bearing position monitoring system**	**2.75 hrs**	**Mon 15/05/23 09:15**	**Mon 15/05/23 12:00**	**6660**	
6666		Make out permit	0.25 hrs	Mon 15/05/23 09:15	Mon 15/05/23 09:30		Operations
6667		Accept permit	0.25 hrs	Mon 15/05/23 09:30	Mon 15/05/23 09:45	6666	O Jacob,K Dijeng
6668		Inspect the system	2 hrs	Mon 15/05/23 09:45	Mon 15/05/23 11:45	6667	O Jacob,K Dijeng
6669		Clear permit	0.25 hrs	Mon 15/05/23 11:45	Mon 15/05/23 12:00	6668	O Jacob,K Dijeng
6670	**29B2GB02**	**# B CO2 COMPRESSOR - Calibrate instruments**	**12.25 hrs**	**Mon 15/05/23 12:00**	**Tue 16/05/23 14:15**	**6665**	
6671		Make out permit	0.25 hrs	Mon 15/05/23 12:00	Mon 15/05/23 12:15		Operations
6672		Accept permit	0.25 hrs	Mon 15/05/23 12:30	Mon 15/05/23 12:45	6671	O Jacob,K Dijeng
6673		Disconnect instruments	1 hr	Mon 15/05/23 12:30	Mon 15/05/23 13:30	5735	O Jacob,K Dijeng
6674		Calibrate instruments	8 hrs	Mon 15/05/23 13:30	Tue 16/05/23 10:30	6673	O Jacob,K Dijeng
6675		Reconnect instruments	3 hrs	Tue 16/05/23 10:30	Tue 16/05/23 14:00	6674	O Jacob,K Dijeng
6676		Clear permit	0.25 hrs	Tue 16/05/23 14:00	Tue 16/05/23 14:15	6675	O Jacob,K Dijeng
6677		**CIVIL WORKS**	**111.5 hrs**	**Wed 03/05/23 06:30**	**Sat 13/05/23 14:00**		
6678	**29A2GR02**	**CALCINER AND STAIRWAY PLINTH**	**51 hrs**	**Wed 03/05/23 06:30**	**Sun 07/05/23 16:30**		
6679		Weave reinforcement prior	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		Builders
6680		Issue Permit To Work	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45	6679	Operations
6681		Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	6680	Seisa
6682		Carry out risk assessment	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	6681	Seisa,Builders
6683		Erect formwork	8 hrs	Wed 03/05/23 07:30	Wed 03/05/23 16:00	6682	Builders
6684		Lay reinforcement	8 hrs	Wed 03/05/23 16:00	Thu 04/05/23 13:30	6683	Builders
6685		Cast new base	12 hrs	Thu 04/05/23 13:30	Fri 05/05/23 15:00	6684	Builders
6686		Curing time	48 hrs	Fri 05/05/23 15:00	Sun 07/05/23 15:00	6685	
6687		Housekeeping	1 hr	Sun 07/05/23 15:00	Sun 07/05/23 16:00	6686	Builders
6688		Clear Permit To Work	0.5 hrs	Sun 07/05/23 16:00	Sun 07/05/23 16:30	6687	Seisa,Operations
6689	**29A2GR02**	**DOUBLE SHAFT MIXER**	**29.25 hrs**	**Sun 07/05/23 16:30**	**Wed 10/05/23 14:15**	**6678**	
6690		Issue Permit To Work	0.25 hrs	Sun 07/05/23 16:30	Sun 07/05/23 16:45		Operations
6691		Accept permit	0.25 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:00	6690	Seisa
6692		Carry out risk assessment	0.25 hrs	Sun 07/05/23 17:00	Sun 07/05/23 17:15	6691	Seisa,Builders
6693		Grout the area	6 hrs	Sun 07/05/23 17:15	Mon 08/05/23 12:45	6692	Builders
6694		Curing time	48 hrs	Mon 08/05/23 12:45	Wed 10/05/23 12:45	6693	
6695		Housekeeping	1 hr	Wed 10/05/23 12:45	Wed 10/05/23 13:45	6694	Builders
6696		Clear Permit To Work	0.5 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:15	6695	Seisa,Operations
6697	**28C2GB02**	**# B2 VACUUM PUMP - Recast steel column support**	**31.25 hrs**	**Wed 10/05/23 14:15**	**Sat 13/05/23 14:00**	**6689**	
6698		Issue Permit To Work	0.25 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:30		Operations
6699		Accept permit	0.25 hrs	Wed 10/05/23 14:30	Wed 10/05/23 14:45	6698	Seisa
6700		Carry out risk assessment	0.25 hrs	Wed 10/05/23 14:45	Wed 10/05/23 15:00	6699	Seisa,Builders
6701		Cast pipe support	8 hrs	Wed 10/05/23 15:00	Thu 11/05/23 12:00	6700	Builders
6702		Curing time	48 hrs	Thu 11/05/23 12:00	Sat 13/05/23 12:00	6701	
6703		Housekeeping	1 hr	Sat 13/05/23 12:30	Sat 13/05/23 13:30	6702	Builders
6704		Clear Permit To Work	0.5 hrs	Sat 13/05/23 13:30	Sat 13/05/23 14:00	6703	Seisa,Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6705	**53C2GA03A**	**#1 CALCINER CONDENSATE PUMP - Recast concrete base**	**51 hrs**	**Wed 03/05/23 06:30**	**Sun 07/05/23 16:30**		
6706		Weave reinforcement prior	0 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:30		Builders
6707		Issue Permit To Work	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45	6706	Operations
6708		Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	6707	Seisa
6709		Carry out risk assessment	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	6708	Seisa,Builders
6710		Formwork	8 hrs	Wed 03/05/23 07:30	Wed 03/05/23 16:00	6709	Builders
6711		Lay reinforcement	8 hrs	Wed 03/05/23 16:00	Thu 04/05/23 13:30	6710	Builders
6712		Cast new concrete base	12 hrs	Thu 04/05/23 13:30	Fri 05/05/23 15:00	6711	Builders
6713		Curing time	48 hrs	Fri 05/05/23 15:00	Sun 07/05/23 15:00	6712	
6714		Housekeeping	1 hr	Sun 07/05/23 15:00	Sun 07/05/23 16:00	6713	Builders
6715		Clear Permit To Work	0.5 hrs	Sun 07/05/23 16:00	Sun 07/05/23 16:30	6714	Seisa,Operations
6716	**53C2GA03B**	**#2 CALCINER CONDENSATE PUMP - Recast concrete base**	**51.25 hrs**	**Sun 07/05/23 16:30**	**Fri 12/05/23 15:15**	**6705**	
6717		Weave reinforcement prior	0 hrs	Sun 07/05/23 16:30	Sun 07/05/23 16:30		Builders
6718		Issue Permit To Work	0.25 hrs	Sun 07/05/23 16:30	Sun 07/05/23 16:45	6717	Operations
6719		Accept permit	0.25 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:00	6718	Seisa
6720		Carry out risk assessment	0.25 hrs	Sun 07/05/23 17:00	Sun 07/05/23 17:15	6719	Seisa,Builders
6721		Formwork	8 hrs	Sun 07/05/23 17:15	Mon 08/05/23 14:45	6720	Builders
6722		Lay reinforcement	8 hrs	Mon 08/05/23 14:45	Tue 09/05/23 11:45	6721	Builders
6723		Cast new concrete base	12 hrs	Tue 09/05/23 11:45	Wed 10/05/23 13:45	6722	Builders
6724		Curing time	48 hrs	Wed 10/05/23 13:45	Fri 12/05/23 13:45	6723	
6725		Housekeeping	1 hr	Fri 12/05/23 13:45	Fri 12/05/23 14:45	6724	Builders
6726		Clear Permit To Work	0.5 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:15	6725	Seisa,Operations
6727	**AREA 29B**	**CALCINER GAS TREATMENT - A LINE**	**180 hrs**	**Wed 03/05/23 06:30**	**Sat 20/05/23 08:30**		
6728		**OPERATIONS**	**33.25 hrs**	**Wed 03/05/23 07:00**	**Sat 06/05/23 08:45**		
6729		**# A GAS SCRUBBER - Cleaning, inspections and repairs**	**33.25 hrs**	**Wed 03/05/23 07:00**	**Sat 06/05/23 08:45**		
6730		Make Out Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15		M Ramosomana,M Kene
6731		Accept Permit	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	6730	M Ramosomana,M Kene
6732		Slip Plate Co2 Inlet	5 hrs	Wed 03/05/23 07:30	Wed 03/05/23 13:00	6731	M Ramosomana,M Kene
6733		Drain Scrubber	0.5 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:30	6732	Operations
6734		Close Scrubber Makeup	0.25 hrs	Wed 03/05/23 13:30	Wed 03/05/23 13:45	6733	Operations
6735		Close Water To Sprays	0.25 hrs	Wed 03/05/23 13:45	Wed 03/05/23 14:00	6734	Operations
6736		Open Scrubber Manholes	2 hrs	Wed 03/05/23 14:00	Wed 03/05/23 16:00	6735	Operations
6737		Accept Vessel Entry Permit	0.5 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:30	6736	Operations
6738		Remove Rachet Rings	10 hrs	Wed 03/05/23 16:30	Thu 04/05/23 16:00	6737	Engineer,Superintendent
6739		Replace Rings	10 hrs	Thu 04/05/23 16:00	Fri 05/05/23 15:30	6738	M Ramosomana,M Kene,T Moloi,K Gab
6740		Close Manhole Covers	2 hrs	Fri 05/05/23 15:30	Fri 05/05/23 17:30	6739	M Ramosomana,M Kene
6741		Remove Slip Plate	2 hrs	Fri 05/05/23 17:30	Sat 06/05/23 08:30	6740	M Ramosomana,M Kene
6742		Organize Rings Prior	0 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:30	6741	Operations
6743		Clear Permits	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	6742	Operations
6744		**SEAL WATER TANK - Cleaning**	**7.25 hrs**	**Wed 03/05/23 07:00**	**Wed 03/05/23 14:45**		
6745		Open manhole cover	1 hr	Wed 03/05/23 07:00	Wed 03/05/23 08:00		M Ramosomana,M Kene
6746		Complete vessel entry permit	0.25 hrs	Wed 03/05/23 08:00	Wed 03/05/23 08:15	6745	Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6747		Accept Permit	0.25 hrs	Wed 03/05/23 08:15	Wed 03/05/23 08:30	6746	Operations
6748		Clean tank	4 hrs	Wed 03/05/23 08:30	Wed 03/05/23 12:30	6747	Operations
6749		Mop tank	1 hr	Wed 03/05/23 12:30	Wed 03/05/23 13:30	6748	Operations
6750		Close manhole cover	1 hr	Wed 03/05/23 13:30	Wed 03/05/23 14:30	6749	M Ramosomana,M Kene
6751		Clear permit	0.25 hrs	Wed 03/05/23 14:30	Wed 03/05/23 14:45	6750	Operations
6752		**MAINTENANCE STARTS**	**0 hrs**	**Fri 05/05/23 07:45**	**Fri 05/05/23 07:45**	**4835SS**	
6753		Maintenance jobs commence	0 hrs	Fri 05/05/23 07:45	Fri 05/05/23 07:45		
6754		**MECHANICAL**	**158.25 hrs**	**Fri 05/05/23 07:45**	**Sat 20/05/23 08:30**	**6752**	
6755	**29B2DK01**	**# A CALCINER CO2 SCRUBBER - Carry out repairs**	**158.25 hrs**	**Fri 05/05/23 07:45**	**Sat 20/05/23 08:30**		
6756		Make Out Permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		Operations
6757		Accept Permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	6756	M Ramosomana,M Kene
6758		Accept Vessel Entry Permit	0.5 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:45	6757	Operations
6759		Inspect Gas Inlet Pipe	1 hr	Fri 05/05/23 08:45	Fri 05/05/23 09:45	6758	Engineer,Supt
6760		Possible repairs	24 hrs	Fri 05/05/23 09:45	Sun 07/05/23 13:15	6759	M Ramatlhakeng,S Monna
6761		Carry out thickness test prior	2 hrs	Sun 07/05/23 13:15	Sun 07/05/23 15:15	6760	Reliability
6762		Measure and cut worn out potions	12 hrs	Sun 07/05/23 15:15	Mon 08/05/23 16:45	6761	M Ramatlhakeng,S Monna
6763		Rig out old plates	4 hrs	Mon 08/05/23 16:45	Tue 09/05/23 09:45	6762	M-Crane 35Ton,G Moeseraela,T Moloi,
6764		Measure and cut new patches	12 hrs	Tue 09/05/23 09:45	Wed 10/05/23 11:15	6763	M Ramatlhakeng,S Monna
6765		Clean mating edges	8 hrs	Wed 10/05/23 11:15	Thu 11/05/23 08:45	6764	P Dara
6766		Rig up new plates	6 hrs	Thu 11/05/23 08:45	Thu 11/05/23 15:15	6765	M-Crane 35Ton,G Moeseraela,T Moloi,
6767		Align and tack weld patch plates	36 hrs	Thu 11/05/23 15:15	Mon 15/05/23 08:45	6766	M-Crane 35Ton,G Moeseraela,T Moloi,
6768		Weld patch plates	40 hrs	Mon 15/05/23 08:45	Thu 18/05/23 17:45	6767	P Dara
6769		Dress welds	12 hrs	Thu 18/05/23 17:45	Sat 20/05/23 08:15	6768	P Dara
6770		Clear Permit	0.25 hrs	Sat 20/05/23 08:15	Sat 20/05/23 08:30	6769	M Ramosomana,M Kene
6771	**29B2GA01A**	**# A SCRUBBER CIRCULATION PUMP A1 - Carry out inspection**	**9.75 hrs**	**Fri 05/05/23 07:45**	**Fri 05/05/23 18:00**		
6772		Make Out Permit	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00		Operations
6773		Accept Permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	6772	M Ramosomana,M Kene
6774		Remove Guard	0.5 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:45	6773	M Ramosomana,M Kene
6775		Inspect Coupling	1 hr	Fri 05/05/23 08:45	Fri 05/05/23 09:45	6774	M Ramosomana,M Kene
6776		Check all mounting bolts	0.5 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:15	6775	M Ramosomana,M Kene
6777		Check condition of the base	1 hr	Fri 05/05/23 10:15	Fri 05/05/23 11:15	6776	M Ramosomana,M Kene
6778		Check all flanges both discharge& suction	0.5 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:45	6777	M Ramosomana,M Kene
6779		Inspect all belows	1 hr	Fri 05/05/23 11:45	Fri 05/05/23 13:15	6778	M Ramosomana,M Kene
6780		Drain& Refill Oil	1.5 hrs	Fri 05/05/23 13:15	Fri 05/05/23 14:45	6779	M Ramosomana,M Kene
6781		Repack glands	1 hr	Fri 05/05/23 14:45	Fri 05/05/23 15:45	6780	M Ramosomana,M Kene
6782		Carry Out or cross check Laser Alignment	2 hrs	Fri 05/05/23 15:45	Fri 05/05/23 17:45	6781	Reliability
6783		Clear Permit	0.25 hrs	Fri 05/05/23 17:45	Fri 05/05/23 18:00	6782	M Ramosomana,M Kene
6784	**29B2GA01B**	**# A SCRUBBER CIRCULATION PUMP A2 - Carry out inspection**	**9.5 hrs**	**Fri 05/05/23 18:00**	**Sat 06/05/23 17:00**	**6771**	
6785		Make Out Permit	0.25 hrs	Fri 05/05/23 18:00	Fri 05/05/23 18:15		Operations
6786		Accept Permit	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	6785	M Ramosomana,M Kene
6787		Remove Guard	0.5 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:45	6786	M Ramosomana,M Kene
6788		Inspect Coupling	1 hr	Sat 06/05/23 07:45	Sat 06/05/23 08:45	6787	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6789		Check all mounting bolts	0.5 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:15	6788	M Ramosomana,M Kene
6790		Check condition of the base	1 hr	Sat 06/05/23 09:15	Sat 06/05/23 10:15	6789	M Ramosomana,M Kene
6791		Check all flanges both discharge& suction	0.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:45	6790	M Ramosomana,M Kene
6792		Inspect all belows	1 hr	Sat 06/05/23 10:45	Sat 06/05/23 11:45	6791	M Ramosomana,M Kene
6793		Drain& Refill Oil	1.5 hrs	Sat 06/05/23 11:45	Sat 06/05/23 13:45	6792	M Ramosomana,M Kene
6794		Repack glands	1 hr	Sat 06/05/23 13:45	Sat 06/05/23 14:45	6793	M Ramosomana,M Kene
6795		Carry Out or cross check Laser Alignment	2 hrs	Sat 06/05/23 14:45	Sat 06/05/23 16:45	6794	Reliability
6796		Clear Permit	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00	6795	M Ramosomana,M Kene
6797	**29B2EA01**	**# A SCRUBBER CONDENSATE COOLER - Clean Cooler & inspect**	**13.75 hrs**	**Sat 06/05/23 17:00**	**Mon 08/05/23 09:15**	**6784**	
6798		Clean the area (prior)	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15		Operations
6799		Make out permits	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	6798	Operations
6800		Accept permit to work	0.25 hrs	Sat 06/05/23 17:30	Sat 06/05/23 17:45	6799	M Ramosomana,M Kene
6801		Carry out risk assesment	0.25 hrs	Sat 06/05/23 17:45	Sat 06/05/23 18:00	6800	M Ramosomana,M Kene
6802		Remove the Denso tape	0.25 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:15	6801	M Ramosomana,M Kene
6803		Loosen and remove tie rods following the correct sequence to avoid twisting and bending of the plates	2 hrs	Sun 07/05/23 07:15	Sun 07/05/23 09:15	6802	M Ramosomana,M Kene
6804		Pull back the plate follower using a using a lever hoist to allow easy removal of the plates	0.5 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:45	6803	M Ramosomana,M Kene
6805		Remove the plates and stack them on the pallets according to their pattern	2 hrs	Sun 07/05/23 09:45	Sun 07/05/23 11:45	6804	M Ramosomana,M Kene
6806		Clean plate follower and head	2 hrs	Sun 07/05/23 11:45	Sun 07/05/23 14:15	6805	
6807		Install new platepack	1.5 hrs	Sun 07/05/23 14:15	Sun 07/05/23 15:45	6806	
6808		Reposition the follower and tie rods	0.25 hrs	Sun 07/05/23 15:45	Sun 07/05/23 16:00	6807	M Ramosomana,M Kene
6809		Tighten the tie rods following a correct sequence so that the back plate moves and compresses the plates squarely	2 hrs	Sun 07/05/23 16:00	Sun 07/05/23 18:00	6808	M Ramosomana,M Kene
6810		Pressure test	0.5 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:30	6809	M Ramosomana,M Kene
6811		Apply anti seize to the tie rods and wrap with denso after completion	1 hr	Mon 08/05/23 07:30	Mon 08/05/23 08:30	6810	M Ramosomana,M Kene
6812		Carry out housekeeping	0.5 hrs	Mon 08/05/23 08:30	Mon 08/05/23 09:00	6811	M Ramosomana,M Kene
6813		Clear permit	0.25 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:15	6812	Operations
6814	**29B2GB01**	**# A CALCINER CO2 COMPRESSOR - Install water separator**	**18.5 hrs**	**Fri 05/05/23 07:45**	**Sat 06/05/23 16:15**		
6815		Erect scaffolding prior	0 hrs	Fri 05/05/23 07:45	Fri 05/05/23 07:45		RSC Scaffolding
6816		Make out permits	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	6815	Operations
6817		Accept permit to work	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	6816	M Ramatlhakeng,S Monna
6818		Carry out risk assesment	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	6817	M Ramatlhakeng,S Monna
6819		Cut out pipe supports	2 hrs	Fri 05/05/23 08:30	Fri 05/05/23 10:30	6818	M Ramatlhakeng,S Monna
6820		Marking out	1 hr	Fri 05/05/23 10:30	Fri 05/05/23 11:30	6819	M Ramatlhakeng,S Monna
6821		Cut out pipe	2 hrs	Fri 05/05/23 11:30	Fri 05/05/23 14:00	6820	M Ramatlhakeng,S Monna
6822		Prep mating faces	1 hr	Fri 05/05/23 14:00	Fri 05/05/23 15:00	6821	M Ramatlhakeng,S Monna
6823		Flange faces	2 hrs	Fri 05/05/23 15:00	Fri 05/05/23 17:00	6822	M Ramatlhakeng,S Monna
6824		Weld flanges	4 hrs	Fri 05/05/23 17:00	Sat 06/05/23 10:00	6823	Welder
6825		Rig in the water separator	1 hr	Sat 06/05/23 10:00	Sat 06/05/23 11:00	6824	Riggers,M_Crane7T
6826		Align and bolts in separator	4 hrs	Sat 06/05/23 11:00	Sat 06/05/23 15:30	6825	M Ramatlhakeng,S Monna
6827		Housekeeping	0.5 hrs	Sat 06/05/23 15:30	Sat 06/05/23 16:00	6826	M Ramatlhakeng,S Monna

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6828		Clear Permit	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	6827	M Ramatlhakeng,Operations
6829	**29B2GB01**	**# A CALCINER CO2 COMPRESSOR - Clean Air Vents**	**10.75 hrs**	**Mon 08/05/23 09:15**	**Tue 09/05/23 09:30**	**6797**	
6830		Make Out Permit	0.25 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:30		Operations
6831		Accept Permit	0.25 hrs	Mon 08/05/23 09:30	Mon 08/05/23 09:45	6830	L Majoo,Electrician1
6832		Loosen & Remove End Covers	1 hr	Mon 08/05/23 09:45	Mon 08/05/23 10:45	6831	M-Crane 7Ton,M Ramosomana,M Kene
6833		Clean Air Vents	6 hrs	Mon 08/05/23 10:45	Mon 08/05/23 17:15	6832	L Majoo,Electrician1
6834		Open & Inspect Bearing	2 hrs	Mon 08/05/23 17:15	Tue 09/05/23 08:15	6833	M Ramosomana,M Kene
6835		Replace & Box Up End Cover	1 hr	Tue 09/05/23 08:15	Tue 09/05/23 09:15	6834	M-Crane 7Ton,M Ramosomana,M Kene
6836		Clear Permit	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30	6835	L Majoo,Electrician1
6837	**29B2ST01**	**# A CALCINER CO2 COMPRESSOR COOLING WATER LINE - Replace pipes**	**21 hrs**	**Fri 05/05/23 07:45**	**Sun 07/05/23 07:45**		
6838		Erect scaffolding prior	0 hrs	Fri 05/05/23 07:45	Fri 05/05/23 07:45		G Moeseraela,T Moloi
6839		Make out permits	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	6838	Operations
6840		Accept permit to work	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	6839	M Ramatlhakeng,S Monna
6841		Carry out risk assesment	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	6840	M Ramatlhakeng,S Monna
6842		Undo/cut out bolts	2 hrs	Fri 05/05/23 08:30	Fri 05/05/23 10:30	6841	M Ramatlhakeng,S Monna
6843		Rig out old pipes	2 hrs	Fri 05/05/23 10:30	Fri 05/05/23 13:00	6842	G Moeseraela,T Moloi
6844		Rig in new pipes	2 hrs	Fri 05/05/23 13:00	Fri 05/05/23 15:00	6843	G Moeseraela,T Moloi
6845		Align flanges insert gaskets & insert bolts	4 hrs	Fri 05/05/23 15:00	Sat 06/05/23 08:00	6844	G Moeseraela,T Moloi,M Ramatlhakeng
6846		Align, square & tag pipes in position	4 hrs	Sat 06/05/23 08:00	Sat 06/05/23 12:00	6845	M Ramatlhakeng,S Monna
6847		Weld up pipes	4 hrs	Sat 06/05/23 12:30	Sat 06/05/23 16:30	6846	P Dara
6848		Decontamination process	1 hr	Sat 06/05/23 16:30	Sat 06/05/23 17:30	6847	Operations
6849		Housekeeping	1 hr	Sat 06/05/23 17:30	Sun 07/05/23 07:30	6848	M Ramatlhakeng,S Monna
6850		Clear Permit	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	6849	M Ramatlhakeng,S Monna
6851		**# A LINE CO2 DUCT - Replace rubber bellow with steel**	**21.5 hrs**	**Sat 06/05/23 16:15**	**Mon 08/05/23 16:45**	**6814**	
6852		Remove lagging prior	0 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:15		Lagging Contractor
6853		Issue Permit To Work	0.25 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:30	6852	Operations
6854		Accept permit	0.25 hrs	Sat 06/05/23 16:30	Sat 06/05/23 16:45	6853	O Dintle
6855		Carry out risk assement	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00	6854	M Ramatlhakeng,S Monna,O Dintle,M K
6856		Remove rubber bellow	6 hrs	Sat 06/05/23 17:00	Sun 07/05/23 12:00	6855	O Dintle,M Kene
6857		Modify top and bottom flanges to accommodate new bellow	4 hrs	Sun 07/05/23 12:30	Sun 07/05/23 16:30	6856	M Ramatlhakeng,S Monna
6858		Install steel bellow	8 hrs	Sun 07/05/23 16:30	Mon 08/05/23 14:00	6857	M Ramatlhakeng,S Monna,O Dintle,M K
6859		Secure bellow	2 hrs	Mon 08/05/23 14:00	Mon 08/05/23 16:00	6858	O Dintle,M Kene
6860		Carry out housekeeping	0.5 hrs	Mon 08/05/23 16:00	Mon 08/05/23 16:30	6859	M Ramatlhakeng,S Monna,O Dintle,M K
6861		Clear Permit	0.25 hrs	Mon 08/05/23 16:30	Mon 08/05/23 16:45	6860	O Dintle,M Ramatlhakeng,Operations
6862		**INSTRUMENTATION**	**4.5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 11:30**		
6863	**29FI101**	**# A CALCINER STEAM FLOW - Inspect Annubar**	**4.5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 11:30**		
6864		Make Out Permit	0.25 hrs	Wed 03/05/23 06:30	Wed 03/05/23 06:45		Operations
6865		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	6864	O Jacob,K Dijeng
6866		Inspect annubar	2 hrs	Wed 03/05/23 07:15	Wed 03/05/23 09:15	6865	O Jacob,K Dijeng
6867		Check transmitter calibration	2 hrs	Wed 03/05/23 09:15	Wed 03/05/23 11:15	6866	O Jacob,K Dijeng
6868		Clear Permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	6867	O Jacob,K Dijeng
6869	**Area 29B**	**CALCINER GAS TREATMENT - B LINE**	**233 hrs**	**Wed 03/05/23 07:00**	**Thu 25/05/23 09:00**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6870		**OPERATIONS**	**110.5 hrs**	**Wed 03/05/23 07:00**	**Sat 13/05/23 13:00**		
6871		**# B GAS SCRUBBER - Cleaning, inspections and repairs**	**110.5 hrs**	**Wed 03/05/23 07:00**	**Sat 13/05/23 13:00**		
6872		Make Out Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15		M Ramosomana,M Kene
6873		Accept Permit	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	6872	M Ramosomana,M Kene
6874		Drain Scrubber	0.5 hrs	Wed 03/05/23 07:30	Wed 03/05/23 08:00	6873	Operations
6875		Close Scrubber Makeup	0.25 hrs	Wed 03/05/23 08:00	Wed 03/05/23 08:15	6874	Operations
6876		Close Water To Sprays	0.25 hrs	Wed 03/05/23 08:15	Wed 03/05/23 08:30	6875	Operations
6877		Open Scrubber Manholes	2 hrs	Wed 03/05/23 08:30	Wed 03/05/23 10:30	6876	Operations
6878		Accept Vessel Entry Permit	0.5 hrs	Wed 03/05/23 10:30	Wed 03/05/23 11:00	6877	Operations
6879		Remove Rachet Rings	10 hrs	Wed 03/05/23 11:00	Thu 04/05/23 10:30	6878	Engineer,Superintendent
6880		Replace Rings	10 hrs	Fri 12/05/23 10:45	Sat 13/05/23 10:15	6879,6895	M Ramosomana,M Kene,T Moloi,K Gab
6881		Close Manhole Covers	2 hrs	Sat 13/05/23 10:15	Sat 13/05/23 12:45	6880	M Ramosomana,M Kene
6882		Organize Rings Prior	0 hrs	Sat 13/05/23 12:45	Sat 13/05/23 12:45	6881	Operations
6883		Clear Permits	0.25 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:00	6882	Operations
6884		**# B SEAL WATER TANK - Cleaning**	**6.25 hrs**	**Wed 03/05/23 07:00**	**Wed 03/05/23 13:45**		
6885		Open manhole cover	1 hr	Wed 03/05/23 07:00	Wed 03/05/23 08:00		M Ramosomana,M Kene
6886		Complete vessel entry permit	0.25 hrs	Wed 03/05/23 08:00	Wed 03/05/23 08:15	6885	Operations
6887		Accept Permit	0.25 hrs	Wed 03/05/23 08:15	Wed 03/05/23 08:30	6886	Operations
6888		Clean tank	3 hrs	Wed 03/05/23 08:30	Wed 03/05/23 11:30	6887	Operations
6889		Mop tank	1 hr	Wed 03/05/23 11:30	Wed 03/05/23 12:30	6888	Operations
6890		Close manhole cover	1 hr	Wed 03/05/23 12:30	Wed 03/05/23 13:30	6889	M Ramosomana,M Kene
6891		Clear permit	0.25 hrs	Wed 03/05/23 13:30	Wed 03/05/23 13:45	6890	Operations
6892		**MAINTENANCE STARTS**	**0 hrs**	**Fri 05/05/23 07:15**	**Fri 05/05/23 07:15**	**5793SS**	
6893		Maintenance jobs commence	0 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:15		
6894		**MECHANICAL**	**211.75 hrs**	**Fri 05/05/23 07:15**	**Thu 25/05/23 09:00**	**6892**	
6895	**29B2DK02**	**# B CALCINER CO2 SCRUBBER - Glasscoat vessel**	**77 hrs**	**Fri 05/05/23 07:15**	**Fri 12/05/23 10:45**	**6879**	
6896		Remove scrubber packings prior	0 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:15		Operations
6897		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	6896	Operations
6898		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6897	M Ramosomana,M Kene
6899		Open Scrubber Manhole cover	3 hrs	Fri 05/05/23 07:45	Fri 05/05/23 10:45	6898	M Ramosomana,M Kene,G Moeseraela
6900		Accept Vessel Entry Permit	0.5 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:15	6899	M Ramosomana,M Kene
6901		Install decontamination controls	6 hrs	Fri 05/05/23 11:15	Fri 05/05/23 17:45	6900	M Ramosomana,M Kene
6902		Erect scaffolding internally	4 hrs	Fri 05/05/23 17:45	Fri 05/05/23 21:45	6901	RSC Scaffolding
6903		Remove worn out Gas Inlet Pipe	3 hrs	Sat 06/05/23 07:00	Sat 06/05/23 10:00	6902	M Ramatlhakeng,S Monna
6904		Sandblast vessel	8 hrs	Sat 06/05/23 10:00	Sat 06/05/23 18:00	6903	Corrocoat
6905		Clean surfaces	8 hrs	Sat 06/05/23 18:00	Sun 07/05/23 02:00	6904	Corrocoat
6906		Carry out thickness test	2 hrs	Sun 07/05/23 02:00	Sun 07/05/23 04:00	6905	Corrocoat
6907		Carry out repairs to worn out, holed or damaged areas	24 hrs	Sun 07/05/23 04:00	Mon 08/05/23 04:00	6906	Corrocoat
6908		Decontaminate vessel	6 hrs	Mon 08/05/23 04:00	Mon 08/05/23 10:00	6907	Corrocoat
6909		Replace Gas Inlet Pipe	8 hrs	Mon 08/05/23 10:00	Tue 09/05/23 07:30	6908	M Ramatlhakeng,S Monna
6910		Carry out glasscoating priming	12 hrs	Tue 09/05/23 07:30	Tue 09/05/23 19:30	6909	Corrocoat
6911		Curing time	8 hrs	Tue 09/05/23 19:30	Wed 10/05/23 03:30	6910	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6912		Carry out glasscoating final coat	12 hrs	Wed 10/05/23 03:30	Wed 10/05/23 15:30	6911	Corrocoat
6913		Curing time	8 hrs	Wed 10/05/23 15:30	Wed 10/05/23 23:30	6912	
6914		Remove scaffold	2 hrs	Wed 10/05/23 23:30	Thu 11/05/23 01:30	6913	RSC Scaffolding
6915		Remove decontamination controls	6 hrs	Thu 11/05/23 07:00	Thu 11/05/23 13:30	6914	M Ramosomana,M Kene
6916		Housekeeping	4 hrs	Thu 11/05/23 13:30	Thu 11/05/23 17:30	6915	M Ramosomana,M Kene,Corrocoat,Op
6917		Close Manhole Covers	4 hrs	Thu 11/05/23 17:30	Fri 12/05/23 10:30	6916	M Ramosomana,M Kene,G Moeseraela
6918		Clear permit	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45	6917	M Ramosomana,Operations,M Ramatlh
6919	**29B2GA04A**	**# B SCRUBBER CIRCULATION PUMP A1 - Carry out inspection**	**10.75 hrs**	**Fri 05/05/23 07:15**	**Sat 06/05/23 07:30**		
6920		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
6921		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6920	M Ramosomana,M Kene
6922		Remove Guard	0.5 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:15	6921	M Ramosomana,M Kene
6923		Inspect Coupling	1 hr	Fri 05/05/23 08:15	Fri 05/05/23 09:15	6922	M Ramosomana,M Kene
6924		Check all mounting bolts	0.5 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:45	6923	M Ramosomana,M Kene
6925		Check condition of the base	1 hr	Fri 05/05/23 09:45	Fri 05/05/23 10:45	6924	M Ramosomana,M Kene
6926		Check all flanges both discharge& suction	0.5 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:15	6925	M Ramosomana,M Kene
6927		Inspect all belows	1 hr	Fri 05/05/23 11:15	Fri 05/05/23 12:45	6926	M Ramosomana,M Kene
6928		Drain& Refill Oil	1.5 hrs	Fri 05/05/23 12:45	Fri 05/05/23 14:15	6927	M Ramosomana,M Kene
6929		Repack glands	1 hr	Fri 05/05/23 14:15	Fri 05/05/23 15:15	6928	M Ramosomana,M Kene
6930		Carry Out or cross check Laser Alignment	3 hrs	Fri 05/05/23 15:15	Sat 06/05/23 07:15	6929	Reliability
6931		Clear Permit	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	6930	M Ramosomana,M Kene
6932	**29B2GA04B**	**# B SCRUBBER CIRCULATION PUMP A2 - Carry out inspection**	**10.75 hrs**	**Fri 05/05/23 07:15**	**Sat 06/05/23 07:30**		
6933		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
6934		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6933	M Ramosomana,M Kene
6935		Remove Guard	0.5 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:15	6934	M Ramosomana,M Kene
6936		Inspect Coupling	1 hr	Fri 05/05/23 08:15	Fri 05/05/23 09:15	6935	M Ramosomana,M Kene
6937		Check all mounting bolts	0.5 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:45	6936	M Ramosomana,M Kene
6938		Check condition of the base	1 hr	Fri 05/05/23 09:45	Fri 05/05/23 10:45	6937	M Ramosomana,M Kene
6939		Check all flanges both discharge& suction	0.5 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:15	6938	M Ramosomana,M Kene
6940		Inspect all belows	1 hr	Fri 05/05/23 11:15	Fri 05/05/23 12:45	6939	M Ramosomana,M Kene
6941		Drain& Refill Oil	1.5 hrs	Fri 05/05/23 12:45	Fri 05/05/23 14:15	6940	M Ramosomana,M Kene
6942		Repack glands	1 hr	Fri 05/05/23 14:15	Fri 05/05/23 15:15	6941	M Ramosomana,M Kene
6943		Carry Out or cross check Laser Alignment	3 hrs	Fri 05/05/23 15:15	Sat 06/05/23 07:15	6942	Reliability
6944		Clear Permit	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	6943	M Ramosomana,M Kene
6945	**29B2EA04**	**# B SCRUBBER CONDENSATE COOLER - Clean Cooler & inspect**	**19 hrs**	**Fri 05/05/23 07:15**	**Sat 06/05/23 16:15**		
6946		Clean the area (prior)	0 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:15		Operations
6947		Make out permits	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	6946	Operations
6948		Accept permit to work	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6947	M Ramosomana,M Kene
6949		Carry out risk assesment	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	6948	M Ramosomana,M Kene
6950		Remove the Denso tape	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	6949	M Ramosomana,M Kene
6951		Loosen and remove tie rods following the correct sequence to avoid twisting and bending of the plates	2 hrs	Fri 05/05/23 08:15	Fri 05/05/23 10:15	6950	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6952		Pull back the plate follower using a using a lever hoist to allow easy removal of the plates	0.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:45	6951	M Ramosomana,M Kene
6953		Spread the plates along the cross beam to for easy washing	0.5 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:15	6952	M Ramosomana,M Kene
6954		Wash all the plates while hanging on the cross beam	0.5 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:45	6953	M Ramosomana,M Kene
6955		Remove the plates and stack them on the pallets according to their pattern	2 hrs	Fri 05/05/23 11:45	Fri 05/05/23 14:15	6954	M Ramosomana,M Kene
6956		Wash and inspect thoroughly each plate and gasket for cracks,wear,holes and deformation,then repack the plates back on the cross beam according to the correct pattern replacing the damaged ones during the process	8 hrs	Fri 05/05/23 14:15	Sat 06/05/23 11:15	6955	M Ramosomana,M Kene
6957		Reposition the follower and tie rods	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	6956	M Ramosomana,M Kene
6958		Tighten the tie rods following a correct sequence so that the back plate moves and compresses the plates squarely	0.5 hrs	Sat 06/05/23 11:30	Sat 06/05/23 12:00	6957	M Ramosomana,M Kene
6959		Pressure test	2 hrs	Sat 06/05/23 12:30	Sat 06/05/23 14:30	6958	M Ramosomana,M Kene
6960		Apply anti seize to the tie rods and wrap with denso after completion	1 hr	Sat 06/05/23 14:30	Sat 06/05/23 15:30	6959	M Ramosomana,M Kene
6961		Carry out housekeeping	0.5 hrs	Sat 06/05/23 15:30	Sat 06/05/23 16:00	6960	M Ramosomana,M Kene
6962		Clear permit	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	6961	Operations
6963	**29B2GB02**	**# B CALCINER CO2 COMPRESSOR - Install water separator**	**18.5 hrs**	**Sat 06/05/23 16:15**	**Mon 08/05/23 13:45**	**6814**	
6964		Erect scaffolding prior	0 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:15		RSC Scaffolding
6965		Make out permits	0.25 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:30	6964	Operations
6966		Accept permit to work	0.25 hrs	Sat 06/05/23 16:30	Sat 06/05/23 16:45	6965	M Ramatlhakeng,S Monna
6967		Carry out risk assesment	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00	6966	M Ramatlhakeng,S Monna
6968		Cut out pipe supports	2 hrs	Sat 06/05/23 17:00	Sun 07/05/23 08:00	6967	M Ramatlhakeng,S Monna
6969		Marking out	1 hr	Sun 07/05/23 08:00	Sun 07/05/23 09:00	6968	M Ramatlhakeng,S Monna
6970		Cut out pipe	2 hrs	Sun 07/05/23 09:00	Sun 07/05/23 11:00	6969	M Ramatlhakeng,S Monna
6971		Prep mating faces	1 hr	Sun 07/05/23 11:00	Sun 07/05/23 12:00	6970	M Ramatlhakeng,S Monna
6972		Flange faces	2 hrs	Sun 07/05/23 12:30	Sun 07/05/23 14:30	6971	M Ramatlhakeng,S Monna
6973		Weld flanges	4 hrs	Sun 07/05/23 14:30	Mon 08/05/23 07:30	6972	Welder
6974		Rig in the water separator	1 hr	Mon 08/05/23 07:30	Mon 08/05/23 08:30	6973	Riggers,M_Crane7T
6975		Align and bolts in separator	4 hrs	Mon 08/05/23 08:30	Mon 08/05/23 13:00	6974	M Ramatlhakeng,S Monna
6976		Housekeeping	0.5 hrs	Mon 08/05/23 13:00	Mon 08/05/23 13:30	6975	M Ramatlhakeng,S Monna
6977		Clear Permit	0.25 hrs	Mon 08/05/23 13:30	Mon 08/05/23 13:45	6976	M Ramatlhakeng,Operations
6978	**29B2GB02**	**# B CALCINER CO2 COMPRESSOR - Clean Air Vents**	**10.75 hrs**	**Fri 05/05/23 07:15**	**Sat 06/05/23 07:30**		
6979		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
6980		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6979	L Majoo,Electrician1
6981		Loosen & Remove End Covers	1 hr	Fri 05/05/23 07:45	Fri 05/05/23 08:45	6980	M-Crane 7Ton,M Ramosomana,M Kene
6982		Clean Air Vents	6 hrs	Fri 05/05/23 08:45	Fri 05/05/23 15:15	6981	L Majoo,Electrician1
6983		Open & Inspect Bearing	2 hrs	Fri 05/05/23 15:15	Fri 05/05/23 17:15	6982	M Ramosomana,M Kene
6984		Replace & Box Up End Cover	1 hr	Fri 05/05/23 17:15	Sat 06/05/23 07:15	6983	M-Crane 7Ton,M Ramosomana,M Kene
6985		Clear Permit	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	6984	L Majoo,Electrician1
6986		**# B LINE CO2 DUCT - Replace rubber bellow with steel**	**21.5 hrs**	**Tue 23/05/23 08:30**	**Thu 25/05/23 09:00**	**6851,5126,**	
6987		Remove lagging prior	0 hrs	Tue 23/05/23 08:30	Tue 23/05/23 08:30		Lagging Contractor
6988		Issue Permit To Work	0.25 hrs	Tue 23/05/23 08:30	Tue 23/05/23 08:45	6987	Operations
6989		Accept permit	0.25 hrs	Tue 23/05/23 08:45	Tue 23/05/23 09:00	6988	O Dintle

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6990		Carry out risk assement	0.25 hrs	Tue 23/05/23 09:00	Tue 23/05/23 09:15	6989	M Ramatlhakeng,S Monna,O Dintle,M K
6991		Remove rubber bellow	6 hrs	Tue 23/05/23 09:15	Tue 23/05/23 15:45	6990	O Dintle,M Kene
6992		Modify top and bottom flanges to accommodate new bellow	4 hrs	Tue 23/05/23 15:45	Wed 24/05/23 08:45	6991	M Ramatlhakeng,S Monna
6993		Install steel bellow	8 hrs	Wed 24/05/23 08:45	Wed 24/05/23 17:15	6992	M Ramatlhakeng,S Monna,O Dintle,M K
6994		Secure bellow	2 hrs	Wed 24/05/23 17:15	Thu 25/05/23 08:15	6993	O Dintle,M Kene
6995		Carry out housekeeping	0.5 hrs	Thu 25/05/23 08:15	Thu 25/05/23 08:45	6994	M Ramatlhakeng,S Monna,O Dintle,M K
6996		Clear Permit	0.25 hrs	Thu 25/05/23 08:45	Thu 25/05/23 09:00	6995	O Dintle,M Ramatlhakeng,Operations
6997		**INSTRUMENTATION**	**4.75 hrs**	**Fri 05/05/23 07:15**	**Fri 05/05/23 12:00**	**6892**	
6998	**29FI201**	**# B CALCINER STEAM FLOW - Inspect Annubar**	**4.75 hrs**	**Fri 05/05/23 07:15**	**Fri 05/05/23 12:00**	**6863**	
6999		Make Out Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30		Operations
7000		Accept Permit	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	6999	O Jacob,K Dijeng
7001		Inspect annubar	2 hrs	Fri 05/05/23 07:45	Fri 05/05/23 09:45	7000	O Jacob,K Dijeng
7002		Check transmitter calibration	2 hrs	Fri 05/05/23 09:45	Fri 05/05/23 11:45	7001	O Jacob,K Dijeng
7003		Clear Permit	0.25 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:00	7002	O Jacob,K Dijeng
7004		Calcining Maintenance Complete	0 hrs	Thu 25/05/23 09:00	Thu 25/05/23 09:00	4787,5749,	
7005	**Area 29C**	**COMPACTION - A LINE**	**187.25 hrs**	**Wed 03/05/23 06:30**	**Sat 20/05/23 16:15**		
7006		**OPERATIONS**	**171.5 hrs**	**Wed 03/05/23 06:30**	**Fri 19/05/23 10:30**		
7007		**PLANT STOPPAGE**	**1.5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 08:30**		
7008		Stop plant and flush circuit	2 hrs	Wed 03/05/23 06:30	Wed 03/05/23 08:30		Operations
7009		**# A COMPACTOR - Cleaning**	**36.5 hrs**	**Wed 03/05/23 08:30**	**Thu 04/05/23 21:00**	**7007**	
7010		Organize hoses prior	0 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:30		Operations
7011		Run System Empty(Hoppers & Bag House)	1.5 hrs	Wed 03/05/23 08:30	Wed 03/05/23 10:00	7010	Operations
7012		Issue Permit (Electrician To Remove Drive Units Under Speed Sensors And Cover Motors,Instruments To Isolate And Protect Nuclear Sources	1.5 hrs	Wed 03/05/23 10:00	Wed 03/05/23 11:30	7011	B Thuso,L Nakedi,S Tlou,L Majoo,O Jacob,K Dijeng
7013		Remove all screen meshes	6 hrs	Wed 03/05/23 11:30	Wed 03/05/23 17:30	7012	Operations
7014		Isolate and protect nuclear sources	1 hr	Wed 03/05/23 17:30	Wed 03/05/23 18:30	7013	L Majoo,O Jacob,K Dijeng
7015		Cover All Electrical Motors With Plastic& remove under speed sensors	2 hrs	Wed 03/05/23 18:30	Wed 03/05/23 20:30	7014	Operations
7016		Clean Compaction Plant	10 hrs	Wed 03/05/23 20:30	Thu 04/05/23 06:30	7015	Operations
7017		Allow Natural Drying	5 hrs	Thu 04/05/23 06:30	Thu 04/05/23 11:30	7016	Operations
7018		Put Back Under Speed Sensors	1 hr	Thu 04/05/23 11:30	Thu 04/05/23 12:30	7017	L Majoo,O Jacob,K Dijeng
7019		Put back screen meshes	8 hrs	Thu 04/05/23 12:30	Thu 04/05/23 20:30	7018	Operations
7020		Clear permit	0.5 hrs	Thu 04/05/23 20:30	Thu 04/05/23 21:00	7019	Operations,L Majoo,O Jacob,K Dijeng
7021		**# A COMPACTOR DUST EXTRACTION SYSTEM - Clean dust extraction system**	**73.75 hrs**	**Thu 04/05/23 21:00**	**Fri 12/05/23 07:15**	**7009**	
7022		Erect scaffodling prior	0 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:00		RSC Scaffolding
7023		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15	7022	Operations
7024		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	7023	S Tlou,L Nakedi,B Thuso
7025		Break pipes	24 hrs	Fri 05/05/23 07:15	Sun 07/05/23 10:15	7024	S Tlou,L Nakedi,B Thuso
7026		Clear build up in pipes	30 hrs	Sun 07/05/23 10:15	Mon 08/05/23 16:15	7025	Operations
7027		Identify leaks and seal them	2.25 hrs	Mon 08/05/23 16:15	Tue 09/05/23 07:15	7026	Operations,B Thuso,L Nakedi,S Tlou
7028		Re install pipes	30 hrs	Tue 09/05/23 07:15	Thu 11/05/23 16:45	7027	S Tlou,L Nakedi,B Thuso
7029		House keeping	2 hrs	Thu 11/05/23 16:45	Thu 11/05/23 18:45	7028	Operations
7030		Clear permit	0.5 hrs	Thu 11/05/23 18:45	Fri 12/05/23 07:15	7029	Operations,B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7031	**29C2FS01**	**# A LINE ASH SILO - Inspect & Clean Silo**	**16.5 hrs**	**Fri 12/05/23 07:15**	**Sat 13/05/23 13:45**	**8922**	
7032		Organize Hoses,	0 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:15		Operations
7033		Erect scaffolding prior	0 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:15	7032	RSC Scaffolding
7034		Empty silo	0 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:15	7033	Operations
7035		Issue Permit (To Remove Bottom & Side Covers)	0.25 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:30	7034	Operations
7036		Remove Bottom & Side Covers	6 hrs	Fri 12/05/23 07:30	Fri 12/05/23 14:00	7035	B Thuso,L Nakedi,S Tlou
7037		Clean Silo Internally	8 hrs	Fri 12/05/23 14:00	Fri 12/05/23 22:00	7036	Operations
7038		Allow Silo To Dry Up(Naturally)	8 hrs	Fri 12/05/23 22:00	Sat 13/05/23 06:00	7037	Operations
7039		Box up silo	6 hrs	Sat 13/05/23 07:00	Sat 13/05/23 13:30	7038	B Thuso,L Nakedi,S Tlou
7040		Clear permit	0.25 hrs	Sat 13/05/23 13:30	Sat 13/05/23 13:45	7039	B Thuso,L Nakedi,S Tlou
7041		Dismantle scaffolding	0 hrs	Sat 13/05/23 13:45	Sat 13/05/23 13:45	7040	RSC Scaffolding
7042	**29C2FK01**	**# A DUST FILTER (COMPACTOR BAGHOUSE) - Rebagging baghouse**	**60.25 hrs**	**Sat 13/05/23 13:45**	**Fri 19/05/23 10:30**	**7031**	
7043		Erect scaffolding prior for lagging	0 hrs	Sat 13/05/23 13:45	Sat 13/05/23 13:45		RSC Scaffolding
7044		Make out permit	0.25 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:00	7043	Operations
7045		Accept permit	0.25 hrs	Sat 13/05/23 14:00	Sat 13/05/23 14:15	7044	Operations
7046		Carry out risk assessment	0.25 hrs	Sat 13/05/23 14:15	Sat 13/05/23 14:30	7045	Operations
7047		Inspect bags and cages	8 hrs	Sat 13/05/23 14:30	Sun 14/05/23 11:30	7046	Operations
7048		Replace worn out cages and bags	48 hrs	Sun 14/05/23 11:30	Tue 16/05/23 11:30	7047	Operations
7049		Replace lagging	30 hrs	Tue 16/05/23 11:30	Fri 19/05/23 10:00	7048	RSC lagging
7050		House keeping	0.25 hrs	Fri 19/05/23 10:00	Fri 19/05/23 10:15	7049	Operations
7051		Clear permit	0.25 hrs	Fri 19/05/23 10:15	Fri 19/05/23 10:30	7050	Operations
7052		**MAINTENANCE STARTS**	**0 hrs**	**Thu 04/05/23 21:00**	**Thu 04/05/23 21:00**	**7009**	
7053		Maintenance jobs commence	0 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:00		
7054		**MECHANICAL**	**166.25 hrs**	**Thu 04/05/23 21:00**	**Sat 20/05/23 16:15**	**7052**	
7055	**29C2GN05**	**# A1 SECONDARY VIBRATING SCREEN - Overhaul Bottom Deck**	**44.5 hrs**	**Fri 05/05/23 07:00**	**Tue 09/05/23 09:30**	**7009**	
7056		Make Out Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		Operations
7057		Accept Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	7056	B Thuso,L Nakedi,S Tlou
7058		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	7057	B Thuso,L Nakedi,S Tlou
7059		Disconnect All Coils(0.25/Headx14 Off)	3.5 hrs	Fri 05/05/23 07:45	Fri 05/05/23 11:15	7058	
7060		Loosen And Remove The Crank Arms To Uncounple The Head And The Beater Bar(0.25/Head X 14)	3.5 hrs	Fri 05/05/23 11:15	Fri 05/05/23 15:15	7059	B Thuso,L Nakedi,S Tlou
7061		Loosen And Remove The Square Bush (0.25/Head X 14)	3.5 hrs	Fri 05/05/23 15:15	Sat 06/05/23 07:45	7060	B Thuso,L Nakedi,S Tlou
7062		Remove The Coil And Put It Aside(0.25/Head X 14)	3.5 hrs	Sat 06/05/23 07:45	Sat 06/05/23 11:15	7061	B Thuso,L Nakedi,S Tlou
7063		Remove The Vibrating Heads(0.25/Head X 14)	3.5 hrs	Sat 06/05/23 11:15	Sat 06/05/23 15:15	7062	B Thuso,L Nakedi,S Tlou
7064		Clean The Vibrating Heads And Transport To Workshop	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	7063	B Thuso,L Nakedi,S Tlou
7065		Separate The Hammer Assembly From The Housing And Clean The Old Grease(0.25/Head X 14)	3.5 hrs	Sat 06/05/23 15:30	Sun 07/05/23 08:00	7064	B Thuso,L Nakedi,S Tlou
7066		Wash All The Components In Csd And Inspect The Hammer,Spring Assembly,Spring Support And Stem For Cracks,Wear And Physical Damage,Then Replace If Necessary	0.5 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:30	7065	B Thuso,L Nakedi,S Tlou
7067		Place The Housing On A Flat Surface	0 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:30	7066	B Thuso,L Nakedi,S Tlou
7068		Install The Hammer Assembly On The Housing	3.5 hrs	Sun 07/05/23 08:30	Sun 07/05/23 12:00	7067	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7069		Align The Hammer Using A Profile Gauge So That The Clearances Are Also Achieved At The Same Time,Then Secure The Hammer Assembly To The Base(0.25/Head X 14)	3.5 hrs	Sun 07/05/23 12:30	Sun 07/05/23 16:00	7068	B Thuso,L Nakedi,S Tlou
7070		Pack With Grease And Replace The Gasket And Stem Seal(0.25/Head X 14)	3.5 hrs	Sun 07/05/23 16:00	Mon 08/05/23 08:30	7069	B Thuso,L Nakedi,S Tlou
7071		Transport To The Plant And Install Back In Position And Secure	3.5 hrs	Mon 08/05/23 08:30	Mon 08/05/23 12:00	7070	B Thuso,L Nakedi,S Tlou
7072		Connect The Vibrating Head To The Beater Bar Using Crank Arm At Correct Angle Of 90 Degrees	3.5 hrs	Mon 08/05/23 12:30	Mon 08/05/23 16:00	7071	B Thuso,L Nakedi,S Tlou
7073		Reconnect The Coils	3.5 hrs	Mon 08/05/23 16:00	Tue 09/05/23 08:30	7072	L Majoo,Electrician1
7074		Sign Off The Permit	0.25 hrs	Tue 09/05/23 08:30	Tue 09/05/23 08:45	7073	B Thuso,L Nakedi,S Tlou
7075		Obtain Test Run Permit And Test The Screen	0.25 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:00	7074	B Thuso,L Nakedi,S Tlou
7076		Sign Off The Permit	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15	7075	B Thuso,L Nakedi,S Tlou
7077		Clear Permit	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30	7076	Operations
7078	**29C2GN06**	**# A2 SECONDARY VIBRATING SCREEN - Overhaul Bottom Deck**	**44.25 hrs**	**Tue 09/05/23 09:30**	**Sat 13/05/23 11:45**	**7055**	
7079		Make Out Permit	0.25 hrs	Tue 09/05/23 09:30	Tue 09/05/23 09:45		Operations
7080		Accept Permit	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	7079	B Thuso,L Nakedi,S Tlou
7081		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:15	7080	B Thuso,L Nakedi,S Tlou
7082		Disconnect All Coils(0.25/Headx14 Off)	3.5 hrs	Tue 09/05/23 10:15	Tue 09/05/23 14:15	7081	L Majoo,Electrician1
7083		Loosen And Remove The Crank Arms To Uncounple The Head And The Beater Bar(0.25/Head X 14)	3.5 hrs	Tue 09/05/23 14:15	Tue 09/05/23 17:45	7082	B Thuso,L Nakedi,S Tlou
7084		Loosen And Remove The Square Bush (0.25/Head X 14)	3.5 hrs	Tue 09/05/23 17:45	Wed 10/05/23 10:15	7083	B Thuso,L Nakedi,S Tlou
7085		Remove The Coil And Put It Aside(0.25/Head X 14)	3.5 hrs	Wed 10/05/23 10:15	Wed 10/05/23 14:15	7084	B Thuso,L Nakedi,S Tlou
7086		Remove The Vibrating Heads(0.25/Head X 14)	3.5 hrs	Wed 10/05/23 14:15	Wed 10/05/23 17:45	7085	B Thuso,L Nakedi,S Tlou
7087		Clean The Vibrating Heads And Transport To Workshop	0.25 hrs	Wed 10/05/23 17:45	Wed 10/05/23 18:00	7086	B Thuso,L Nakedi,S Tlou
7088		Separate The Hammer Assembly From The Housing And Clean The Old Grease(0.25/Head X 14)	3.5 hrs	Thu 11/05/23 07:00	Thu 11/05/23 10:30	7087	B Thuso,L Nakedi,S Tlou
7089		Wash All The Components In Csd And Inspect The Hammer,Spring Assembly,Spring Support And Stem For Cracks,Wear And Physical Damage,Then Replace If Necessary	0.5 hrs	Thu 11/05/23 10:30	Thu 11/05/23 11:00	7088	B Thuso,L Nakedi,S Tlou
7090		Place The Housing On A Flat Surface	0 hrs	Thu 11/05/23 11:00	Thu 11/05/23 11:00	7089	B Thuso,L Nakedi,S Tlou
7091		Install The Hammer Assembly On The Housing	3.5 hrs	Thu 11/05/23 11:00	Thu 11/05/23 15:00	7090	B Thuso,L Nakedi,S Tlou
7092		Align The Hammer Using A Profile Gauge So That The Clearances Are Also Achieved At The Same Time,Then Secure The Hammer Assembly To The Base(0.25/Head X 14)	3.5 hrs	Thu 11/05/23 15:00	Fri 12/05/23 07:30	7091	B Thuso,L Nakedi,S Tlou
7093		Pack With Grease And Replace The Gasket And Stem Seal(0.25/Head X 14)	3.5 hrs	Fri 12/05/23 07:30	Fri 12/05/23 11:00	7092	B Thuso,L Nakedi,S Tlou
7094		Transport To The Plant And Install Back In Position And Secure	3.5 hrs	Fri 12/05/23 11:00	Fri 12/05/23 15:00	7093	B Thuso,L Nakedi,S Tlou
7095		Connect The Vibrating Head To The Beater Bar Using Crank Arm At Correct Angle Of 90 Degrees	3.5 hrs	Fri 12/05/23 15:00	Sat 13/05/23 07:30	7094	B Thuso,L Nakedi,S Tlou
7096		Reconnect The Coils	3.5 hrs	Sat 13/05/23 07:30	Sat 13/05/23 11:00	7095	L Majoo,Electrician1
7097		Sign Off The Permit	0.25 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:15	7096	B Thuso,L Nakedi,S Tlou
7098		Obtain Test Run Permi And Test The Screen	0.25 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:30	7097	B Thuso,L Nakedi,S Tlou
7099		Clear Permit	0.25 hrs	Sat 13/05/23 11:30	Sat 13/05/23 11:45	7098	Operations
7100	**29C2GN01-(**	**COMPACTION SCREENS - Remove mesh for cleaning in all screens**	**12.75 hrs**	**Thu 04/05/23 21:00**	**Sat 06/05/23 09:15**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7101		Make out permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
7102		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	7101	B Thuso,L Nakedi,S Tlou
7103		Remove all mashes for cleaning on all Compaction screens	12 hrs	Fri 05/05/23 07:15	Sat 06/05/23 08:45	7102	B Thuso,L Nakedi,S Tlou
7104		Clear permit	0.5 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:15	7103	B Thuso,L Nakedi,S Tlou
7105	**29C2GB01**	**# A EXHAUST FAN - Carry Out Inspection, Replace V Belts and motor**	**21.75 hrs**	**Tue 16/05/23 17:15**	**Thu 18/05/23 18:00**	**7145**	
7106		Make Out Permit	0.25 hrs	Tue 16/05/23 17:15	Tue 16/05/23 17:30		Operations
7107		Accept Permit	0.25 hrs	Tue 16/05/23 17:30	Tue 16/05/23 17:45	7106	B Thuso,L Nakedi,S Tlou
7108		Remove guards	0.5 hrs	Tue 16/05/23 17:45	Wed 17/05/23 07:15	7107	B Thuso,L Nakedi,S Tlou
7109		Clean The Impeller	0.5 hrs	Wed 17/05/23 07:15	Wed 17/05/23 07:45	7108	Operations
7110		Replace bearings	6 hrs	Wed 17/05/23 07:45	Wed 17/05/23 14:15	7109	B Thuso,L Nakedi,S Tlou
7111		Slacken and remove vee belts and pulleys	1 hr	Wed 17/05/23 14:15	Wed 17/05/23 15:15	7110	B Thuso,L Nakedi,S Tlou
7112		Loosen motor monting bolts	2 hrs	Wed 17/05/23 15:15	Wed 17/05/23 17:15	7111	B Thuso,L Nakedi,S Tlou
7113		Rig out the motor	2 hrs	Wed 17/05/23 17:15	Thu 18/05/23 08:15	7112	O/H crane,G Moeseraela,K Gabantogel
7114		Clean base and rig in new motor	1 hr	Thu 18/05/23 08:15	Thu 18/05/23 09:15	7113	O/H crane,B Thuso,L Nakedi,S Tlou,G M
7115		Install pulleys, vee belts and align	2 hrs	Thu 18/05/23 09:15	Thu 18/05/23 11:15	7114	B Thuso,L Nakedi,S Tlou
7116		Carry Out Laser Alignment	1 hr	Thu 18/05/23 11:15	Thu 18/05/23 12:45	7115	B Thuso,L Nakedi,S Tlou
7117		Tighten motor mounting bolts	2 hrs	Thu 18/05/23 12:45	Thu 18/05/23 14:45	7116	B Thuso,L Nakedi,S Tlou
7118		Install guards	1 hr	Thu 18/05/23 14:45	Thu 18/05/23 15:45	7117	B Thuso,L Nakedi,S Tlou
7119		Box Up	2 hrs	Thu 18/05/23 15:45	Thu 18/05/23 17:45	7118	B Thuso,L Nakedi,S Tlou
7120		Clear Permit	0.25 hrs	Thu 18/05/23 17:45	Thu 18/05/23 18:00	7119	B Thuso,L Nakedi,S Tlou
7121	**29C2RF06**	**# A6 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Sat 13/05/23 11:45**	**Sun 14/05/23 16:15**	**7078**	
7122		Make Out Permit	0.25 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:00		Operations
7123		Accept Permit	0.25 hrs	Sat 13/05/23 12:30	Sat 13/05/23 12:45	7122	B Thuso,L Nakedi,S Tlou
7124		Carry Out Risk Assesment	0.25 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:00	7123	B Thuso,L Nakedi,S Tlou
7125		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:30	7124	B Thuso,L Nakedi,S Tlou
7126		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Sat 13/05/23 13:30	Sat 13/05/23 14:00	7125	B Thuso,L Nakedi,S Tlou
7127		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Sat 13/05/23 14:00	Sat 13/05/23 14:30	7126	B Thuso,L Nakedi,S Tlou
7128		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Sat 13/05/23 14:30	Sat 13/05/23 14:45	7127	B Thuso,L Nakedi,S Tlou
7129		Slack The Chain	0.5 hrs	Sat 13/05/23 14:45	Sat 13/05/23 15:15	7128	B Thuso,L Nakedi,S Tlou
7130		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sat 13/05/23 15:15	Sat 13/05/23 15:45	7129	B Thuso,L Nakedi,S Tlou
7131		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Sat 13/05/23 15:45	Sat 13/05/23 16:15	7130	B Thuso,L Nakedi,S Tlou
7132		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Sat 13/05/23 16:15	Sat 13/05/23 16:45	7131	B Thuso,L Nakedi,S Tlou
7133		Tension The Drag Chain	0.5 hrs	Sat 13/05/23 16:45	Sat 13/05/23 17:15	7132	B Thuso,L Nakedi,S Tlou
7134		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Sat 13/05/23 17:15	Sun 14/05/23 09:30	7133	B Thuso,L Nakedi,S Tlou
7135		Apply Sealant And Close The Top Covers	1 hr	Sun 14/05/23 09:30	Sun 14/05/23 10:30	7134	B Thuso,L Nakedi,S Tlou
7136		Open Plummer Blocks And Clean Old Grease	1 hr	Sun 14/05/23 10:30	Sun 14/05/23 11:30	7135	B Thuso,L Nakedi,S Tlou
7137		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sun 14/05/23 11:30	Sun 14/05/23 13:00	7136	B Thuso,L Nakedi,S Tlou
7138		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sun 14/05/23 13:00	Sun 14/05/23 13:30	7137	B Thuso,L Nakedi,S Tlou
7139		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Sun 14/05/23 13:30	Sun 14/05/23 14:30	7138	B Thuso,L Nakedi,S Tlou
7140		Tension To The Correct Force And Deflection	0.5 hrs	Sun 14/05/23 14:30	Sun 14/05/23 15:00	7139	B Thuso,L Nakedi,S Tlou
7141		Replace Guard And Secure	0.5 hrs	Sun 14/05/23 15:00	Sun 14/05/23 15:30	7140	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7142		Carry Out Housekeeping	0.25 hrs	Sun 14/05/23 15:30	Sun 14/05/23 15:45	7141	B Thuso,L Nakedi,S Tlou
7143		Sign Off The Permit	0.25 hrs	Sun 14/05/23 15:45	Sun 14/05/23 16:00	7142	B Thuso,L Nakedi,S Tlou
7144		Clear Permit	0.25 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:15	7143	Operations
7145	**29C2RM01**	**# A1 STAR FEEDER - Carry Out Inspection And Service**	**44.75 hrs**	**Fri 12/05/23 14:30**	**Tue 16/05/23 17:15**	**7333**	
7146		Prepare star feeder blades prior	0 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:30		B Thuso,L Nakedi,S Tlou
7147		Make Out Permit	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45	7146	Operations
7148		Accept Permit	0.25 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:00	7147	B Thuso,L Nakedi,S Tlou
7149		Carry Out Risk Assesment	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	7148	B Thuso,L Nakedi,S Tlou
7150		Loosen star feeder mounting bolts	1 hr	Fri 12/05/23 15:15	Fri 12/05/23 16:15	7149	B Thuso,L Nakedi,S Tlou
7151		Remove all bolts and swing star feeder	3 hrs	Fri 12/05/23 16:15	Sat 13/05/23 08:15	7150	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7152		Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:45	7151	B Thuso,L Nakedi,S Tlou
7153		Stop And swing back star feeder	1 hr	Sat 13/05/23 08:45	Sat 13/05/23 09:45	7152	B Thuso,L Nakedi,S Tlou
7154		Install and tighten mounting bolts	2 hrs	Sat 13/05/23 09:45	Sat 13/05/23 11:45	7153	B Thuso,L Nakedi,S Tlou
7155		Sign Off Permit If Everything Is In Order.	0.25 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:00	7154	B Thuso,L Nakedi,S Tlou
7156		If There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Sat 13/05/23 12:30	Sat 13/05/23 12:45	7155	B Thuso,L Nakedi,S Tlou
7157		Loosen And Remove Guards	0.5 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:15	7156	B Thuso,L Nakedi,S Tlou
7158		Disconnect geared unit	1 hr	Sat 13/05/23 13:15	Sat 13/05/23 14:15	7157	L Majoo,Electrician1
7159		Remove the drive chain	1 hr	Sat 13/05/23 14:15	Sat 13/05/23 15:15	7158	B Thuso,L Nakedi,S Tlou
7160		Support geared unit and remove mounting bolts	1.5 hrs	Sat 13/05/23 15:15	Sat 13/05/23 16:45	7159	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7161		Rig out geared unit	1.5 hrs	Sat 13/05/23 16:45	Sun 14/05/23 07:15	7160	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7162		Support star feeder	0.5 hrs	Sun 14/05/23 07:15	Sun 14/05/23 07:45	7161	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7163		Rig out start feeder completely	1 hr	Sun 14/05/23 07:45	Sun 14/05/23 08:45	7162	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7164		Clean star feeder and transport to workshop	0.5 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:15	7163	Crane lorry,G Moeseraela,T Moloi
7165		Mark all the mating components	0.5 hrs	Sun 14/05/23 09:15	Sun 14/05/23 09:45	7164	B Thuso,L Nakedi,S Tlou
7166		Strip star feeder	6 hrs	Sun 14/05/23 09:45	Sun 14/05/23 16:15	7165	B Thuso,L Nakedi,S Tlou
7167		Inspect and measure all the components	1.5 hrs	Sun 14/05/23 16:15	Sun 14/05/23 17:45	7166	B Thuso,L Nakedi,S Tlou
7168		Assemble star feeder	6 hrs	Sun 14/05/23 17:45	Mon 15/05/23 13:15	7167	B Thuso,L Nakedi,S Tlou
7169		Carry out quality checks	0.5 hrs	Mon 15/05/23 13:15	Mon 15/05/23 13:45	7168	B Thuso,L Nakedi,S Tlou
7170		Transport to plant	0.5 hrs	Tue 16/05/23 07:15	Tue 16/05/23 07:45	7169,7314	Crane lorry,B Thuso,L Nakedi,S Tlou,G M
7171		Rig star feeder into place and mount	2.5 hrs	Tue 16/05/23 07:45	Tue 16/05/23 10:15	7170	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7172		Install geared unit	1 hr	Tue 16/05/23 10:15	Tue 16/05/23 11:15	7171	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7173		Install drive chain	1 hr	Tue 16/05/23 11:15	Tue 16/05/23 12:45	7172	B Thuso,L Nakedi,S Tlou
7174		Install guards	1 hr	Tue 16/05/23 12:45	Tue 16/05/23 13:45	7173	B Thuso,L Nakedi,S Tlou
7175		Connect geared unit and verify direction	0.5 hrs	Tue 16/05/23 13:45	Tue 16/05/23 14:15	7174	L Majoo,Electrician1
7176		Box up	2 hrs	Tue 16/05/23 14:15	Tue 16/05/23 16:15	7175	B Thuso,L Nakedi,S Tlou
7177		Lubricate drive chain	0.25 hrs	Tue 16/05/23 16:15	Tue 16/05/23 16:30	7176	B Thuso,L Nakedi,S Tlou
7178		Carry Out House Keeping	0.5 hrs	Tue 16/05/23 16:30	Tue 16/05/23 17:00	7177	B Thuso,L Nakedi,S Tlou
7179		Clear The Permit	0.25 hrs	Tue 16/05/23 17:00	Tue 16/05/23 17:15	7178	B Thuso,L Nakedi,S Tlou
7180	**29C2RF07**	**# A SHUTTLE CONVEYOR - Thorough Inspection And Repairs**	**81 hrs**	**Thu 04/05/23 21:00**	**Fri 12/05/23 15:00**	**7053**	
7181		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
7182		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	7181	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7183		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	7182	B Thuso,L Nakedi,S Tlou
7184		Loosen And Remove Top Covers To Access Chain Links	2 hrs	Fri 05/05/23 07:30	Fri 05/05/23 09:30	7183	B Thuso,L Nakedi,S Tlou
7185		Loosen tailed station mounting bolts	2.5 hrs	Fri 05/05/23 09:30	Fri 05/05/23 12:00	7184	B Thuso,L Nakedi,S Tlou
7186		Break the drag chain to access the tail sprocket	1 hr	Fri 05/05/23 12:30	Fri 05/05/23 13:30	7185	B Thuso,L Nakedi,S Tlou
7187		Rig out tail station	2 hrs	Fri 05/05/23 13:30	Fri 05/05/23 15:30	7186	O/H crane,G Moeseraela,T Moloi
7188		Inspect guide rail	2 hrs	Fri 05/05/23 15:30	Fri 05/05/23 17:30	7187	B Thuso,L Nakedi,S Tlou
7189		Possible rail and cover repairs	10 hrs	Fri 05/05/23 17:30	Sat 06/05/23 17:00	7188	B Thuso,L Nakedi,S Tlou
7190		Clean and transport station to the workshop	1 hr	Sat 06/05/23 17:00	Sat 06/05/23 18:00	7189	B Thuso,L Nakedi,S Tlou
7191		Mark all the mating components	0.25 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:15	7190	B Thuso,L Nakedi,S Tlou
7192		Strip the tail station	3 hrs	Sun 07/05/23 07:15	Sun 07/05/23 10:15	7191	B Thuso,L Nakedi,S Tlou
7193		Repair tail station covers	6 hrs	Sun 07/05/23 10:15	Sun 07/05/23 16:45	7192	B Thuso,L Nakedi,S Tlou
7194		Assemble tail station, replace all bearings and repack with fresh grease	6 hrs	Sun 07/05/23 16:45	Mon 08/05/23 11:45	7193	B Thuso,L Nakedi,S Tlou
7195		Carry out quality check and transport to plant	1 hr	Mon 08/05/23 11:45	Mon 08/05/23 13:15	7194	B Thuso,L Nakedi,S Tlou
7196		Rig tail station into place	2 hrs	Mon 08/05/23 13:15	Mon 08/05/23 15:15	7195	O/H crane,G Moeseraela,T Moloi
7197		Tighten mounting bolts	1.5 hrs	Mon 08/05/23 15:15	Mon 08/05/23 16:45	7196	B Thuso,L Nakedi,S Tlou
7198		Join the drag chain	0.5 hrs	Mon 08/05/23 16:45	Mon 08/05/23 17:15	7197	B Thuso,L Nakedi,S Tlou
7199		Run The Chain To Identify Damaged Links And Mark Them	1 hr	Mon 08/05/23 17:15	Tue 09/05/23 07:15	7198	B Thuso,L Nakedi,S Tlou
7200		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:45	7199	B Thuso,L Nakedi,S Tlou
7201		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	7200	B Thuso,L Nakedi,S Tlou
7202		Slack The Chain	0.5 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:30	7201	B Thuso,L Nakedi,S Tlou
7203		Check For Cracks Link By Lin Using Dye Penetrant Method	2 hrs	Tue 09/05/23 08:30	Tue 09/05/23 10:30	7202	B Thuso,L Nakedi,S Tlou
7204		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	4 hrs	Tue 09/05/23 10:30	Tue 09/05/23 15:00	7203	B Thuso,L Nakedi,S Tlou
7205		Position The New Link,Connect It With A Pin And Lock It With A Circlip	2 hrs	Tue 09/05/23 15:00	Tue 09/05/23 17:00	7204	B Thuso,L Nakedi,S Tlou
7206		Tension The Drag Chain	0.5 hrs	Tue 09/05/23 17:00	Tue 09/05/23 17:30	7205	B Thuso,L Nakedi,S Tlou
7207		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	10 hrs	Tue 09/05/23 17:30	Wed 10/05/23 17:00	7206	B Thuso,L Nakedi,S Tlou
7208		Apply Sealant And Close The Top Covers	8 hrs	Wed 10/05/23 17:00	Thu 11/05/23 14:30	7207	B Thuso,L Nakedi,S Tlou
7209		Open drive end station bearings plummer Blocks And Clean Old Grease	3 hrs	Thu 11/05/23 14:30	Thu 11/05/23 17:30	7208	B Thuso,L Nakedi,S Tlou
7210		Inspect The Bearings And Pack With New Grease Or Change If Necessary	3 hrs	Thu 11/05/23 17:30	Fri 12/05/23 09:30	7209	B Thuso,L Nakedi,S Tlou
7211		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Fri 12/05/23 09:30	Fri 12/05/23 10:00	7210	B Thuso,L Nakedi,S Tlou
7212		Inspect the drive chain, sprockets and lubricate	1 hr	Fri 12/05/23 10:00	Fri 12/05/23 11:00	7211	B Thuso,L Nakedi,S Tlou
7213		Repack dust seals	1.5 hrs	Fri 12/05/23 11:00	Fri 12/05/23 13:00	7212	B Thuso,L Nakedi,S Tlou
7214		Adjust To The Correct force And slack	0.5 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:30	7213	B Thuso,L Nakedi,S Tlou
7215		Replace Guard And Secure	0.5 hrs	Fri 12/05/23 13:30	Fri 12/05/23 14:00	7214	B Thuso,L Nakedi,S Tlou
7216		Carry Out Housekeeping	0.5 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:30	7215	B Thuso,L Nakedi,S Tlou
7217		Sign Off The Permit	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45	7216	B Thuso,L Nakedi,S Tlou
7218		Clear Permit	0.25 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:00	7217	Operations
7219	**29C2RF01**	**# A1 CHAIN CONVEYOR - Install Dust Seals**	**19.75 hrs**	**Sun 14/05/23 16:15**	**Tue 16/05/23 15:00**	**7121**	
7220		Make Out Permit	0.25 hrs	Sun 14/05/23 16:15	Sun 14/05/23 16:30		Operations
7221		Accept Permit	0.25 hrs	Sun 14/05/23 16:30	Sun 14/05/23 16:45	7220	B Thuso,L Nakedi,S Tlou
7222		Carry Out Risk Assesment	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	7221	B Thuso,L Nakedi,S Tlou
7223		Remove all covers	2 hrs	Sun 14/05/23 17:00	Mon 15/05/23 08:00	7222	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7224		Remove drive chain and sprocket	2 hrs	Mon 15/05/23 08:00	Mon 15/05/23 10:00	7223	B Thuso,L Nakedi,S Tlou
7225		Rig out casing with the shaft	1 hr	Mon 15/05/23 10:00	Mon 15/05/23 11:00	7224	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7226		Remove bearings	1.5 hrs	Mon 15/05/23 11:00	Mon 15/05/23 13:00	7225	B Thuso,L Nakedi,S Tlou
7227		Remove shaft from casing	1 hr	Mon 15/05/23 13:00	Mon 15/05/23 14:00	7226	B Thuso,L Nakedi,S Tlou
7228		Clean shaft	0.5 hrs	Mon 15/05/23 14:00	Mon 15/05/23 14:30	7227	B Thuso,L Nakedi,S Tlou
7229		Install dust seals	2 hrs	Mon 15/05/23 14:30	Mon 15/05/23 16:30	7228	B Thuso,L Nakedi,S Tlou
7230		Put back shaft into casing	2 hrs	Mon 15/05/23 16:30	Tue 16/05/23 07:30	7229	B Thuso,L Nakedi,S Tlou
7231		Install bearings	2 hrs	Tue 16/05/23 07:30	Tue 16/05/23 09:30	7230	B Thuso,L Nakedi,S Tlou
7232		Rig back casing and shaft into position	1.5 hrs	Tue 16/05/23 09:30	Tue 16/05/23 11:00	7231	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7233		Put back sprocket	1 hr	Tue 16/05/23 11:00	Tue 16/05/23 12:00	7232	B Thuso,L Nakedi,S Tlou
7234		Install drive chain	1.5 hrs	Tue 16/05/23 12:30	Tue 16/05/23 14:00	7233	B Thuso,L Nakedi,S Tlou
7235		Install guard	0.5 hrs	Tue 16/05/23 14:00	Tue 16/05/23 14:30	7234	B Thuso,L Nakedi,S Tlou
7236		House keeping	0.25 hrs	Tue 16/05/23 14:30	Tue 16/05/23 14:45	7235	B Thuso,L Nakedi,S Tlou
7237		Clear permit	0.25 hrs	Tue 16/05/23 14:45	Tue 16/05/23 15:00	7236	B Thuso,L Nakedi,S Tlou
7238	**29C2RF01**	**# A1 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Tue 16/05/23 15:00**	**Thu 18/05/23 08:00**	**7219**	
7239		Make Out Permit	0.25 hrs	Tue 16/05/23 15:00	Tue 16/05/23 15:15		Operations
7240		Accept Permit	0.25 hrs	Tue 16/05/23 15:15	Tue 16/05/23 15:30	7239	B Thuso,L Nakedi,S Tlou
7241		Carry Out Risk Assesment	0.25 hrs	Tue 16/05/23 15:30	Tue 16/05/23 15:45	7240	B Thuso,L Nakedi,S Tlou
7242		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Tue 16/05/23 15:45	Tue 16/05/23 16:15	7241	B Thuso,L Nakedi,S Tlou
7243		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Tue 16/05/23 16:15	Tue 16/05/23 16:45	7242	B Thuso,L Nakedi,S Tlou
7244		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Tue 16/05/23 16:45	Tue 16/05/23 17:15	7243	B Thuso,L Nakedi,S Tlou
7245		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Tue 16/05/23 17:15	Tue 16/05/23 17:30	7244	B Thuso,L Nakedi,S Tlou
7246		Slack The Chain	0.5 hrs	Tue 16/05/23 17:30	Tue 16/05/23 18:00	7245	B Thuso,L Nakedi,S Tlou
7247		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Wed 17/05/23 07:00	Wed 17/05/23 07:30	7246	B Thuso,L Nakedi,S Tlou
7248		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Wed 17/05/23 07:30	Wed 17/05/23 08:00	7247	B Thuso,L Nakedi,S Tlou
7249		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Wed 17/05/23 08:00	Wed 17/05/23 08:30	7248	B Thuso,L Nakedi,S Tlou
7250		Tension The Drag Chain	0.5 hrs	Wed 17/05/23 08:30	Wed 17/05/23 09:00	7249	B Thuso,L Nakedi,S Tlou
7251		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Wed 17/05/23 09:00	Wed 17/05/23 12:45	7250	B Thuso,L Nakedi,S Tlou
7252		Apply Sealant And Close The Top Covers	1 hr	Wed 17/05/23 12:45	Wed 17/05/23 13:45	7251	B Thuso,L Nakedi,S Tlou
7253		Open Plummer Blocks And Clean Old Grease	1 hr	Wed 17/05/23 13:45	Wed 17/05/23 14:45	7252	B Thuso,L Nakedi,S Tlou
7254		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Wed 17/05/23 14:45	Wed 17/05/23 15:45	7253	B Thuso,L Nakedi,S Tlou
7255		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Wed 17/05/23 15:45	Wed 17/05/23 16:15	7254	B Thuso,L Nakedi,S Tlou
7256		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Wed 17/05/23 16:15	Wed 17/05/23 17:15	7255	B Thuso,L Nakedi,S Tlou
7257		Tension To The Correct Force And Deflection	0.5 hrs	Wed 17/05/23 17:15	Wed 17/05/23 17:45	7256	B Thuso,L Nakedi,S Tlou
7258		Replace Guard And Secure	0.5 hrs	Wed 17/05/23 17:45	Thu 18/05/23 07:15	7257	B Thuso,L Nakedi,S Tlou
7259		Carry Out Housekeeping	0.25 hrs	Thu 18/05/23 07:15	Thu 18/05/23 07:30	7258	B Thuso,L Nakedi,S Tlou
7260		Sign Off The Permit	0.25 hrs	Thu 18/05/23 07:30	Thu 18/05/23 07:45	7259	B Thuso,L Nakedi,S Tlou
7261		Clear Permit	0.25 hrs	Thu 18/05/23 07:45	Thu 18/05/23 08:00	7260	Operations
7262	**29C2RF02**	**# A2 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Thu 18/05/23 08:00**	**Fri 19/05/23 12:00**	**7238**	
7263		Make Out Permit	0.25 hrs	Thu 18/05/23 08:00	Thu 18/05/23 08:15		Operations
7264		Accept Permit	0.25 hrs	Thu 18/05/23 08:15	Thu 18/05/23 08:30	7263	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7265		Carry Out Risk Assesment	0.25 hrs	Thu 18/05/23 08:30	Thu 18/05/23 08:45	7264	B Thuso,L Nakedi,S Tlou
7266		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Thu 18/05/23 08:45	Thu 18/05/23 09:15	7265	B Thuso,L Nakedi,S Tlou
7267		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Thu 18/05/23 09:15	Thu 18/05/23 09:45	7266	B Thuso,L Nakedi,S Tlou
7268		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Thu 18/05/23 09:45	Thu 18/05/23 10:15	7267	B Thuso,L Nakedi,S Tlou
7269		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Thu 18/05/23 10:15	Thu 18/05/23 10:30	7268	B Thuso,L Nakedi,S Tlou
7270		Slack The Chain	0.5 hrs	Thu 18/05/23 10:30	Thu 18/05/23 11:00	7269	B Thuso,L Nakedi,S Tlou
7271		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Thu 18/05/23 11:00	Thu 18/05/23 11:30	7270	B Thuso,L Nakedi,S Tlou
7272		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Thu 18/05/23 11:30	Thu 18/05/23 12:00	7271	B Thuso,L Nakedi,S Tlou
7273		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Thu 18/05/23 12:30	Thu 18/05/23 13:00	7272	B Thuso,L Nakedi,S Tlou
7274		Tension The Drag Chain	0.5 hrs	Thu 18/05/23 13:00	Thu 18/05/23 13:30	7273	B Thuso,L Nakedi,S Tlou
7275		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Thu 18/05/23 13:30	Thu 18/05/23 16:45	7274	B Thuso,L Nakedi,S Tlou
7276		Apply Sealant And Close The Top Covers	1 hr	Thu 18/05/23 16:45	Thu 18/05/23 17:45	7275	B Thuso,L Nakedi,S Tlou
7277		Open Plummer Blocks And Clean Old Grease	1 hr	Thu 18/05/23 17:45	Fri 19/05/23 07:45	7276	B Thuso,L Nakedi,S Tlou
7278		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Fri 19/05/23 07:45	Fri 19/05/23 08:45	7277	B Thuso,L Nakedi,S Tlou
7279		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Fri 19/05/23 08:45	Fri 19/05/23 09:15	7278	B Thuso,L Nakedi,S Tlou
7280		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Fri 19/05/23 09:15	Fri 19/05/23 10:15	7279	B Thuso,L Nakedi,S Tlou
7281		Tension To The Correct Force And Deflection	0.5 hrs	Fri 19/05/23 10:15	Fri 19/05/23 10:45	7280	B Thuso,L Nakedi,S Tlou
7282		Replace Guard And Secure	0.5 hrs	Fri 19/05/23 10:45	Fri 19/05/23 11:15	7281	B Thuso,L Nakedi,S Tlou
7283		Carry Out Housekeeping	0.25 hrs	Fri 19/05/23 11:15	Fri 19/05/23 11:30	7282	B Thuso,L Nakedi,S Tlou
7284		Sign Off The Permit	0.25 hrs	Fri 19/05/23 11:30	Fri 19/05/23 11:45	7283	B Thuso,L Nakedi,S Tlou
7285		Clear Permit	0.25 hrs	Fri 19/05/23 11:45	Fri 19/05/23 12:00	7284	Operations
7286	**29C2RP01**	**# A1 BUCKET ELEVATOR - Inspection And NDT**	**27.75 hrs**	**Fri 12/05/23 15:00**	**Mon 15/05/23 10:45**	**7180**	
7287		Make Out Permit	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15		Operations
7288		Accept Permit	0.25 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:30	7287	B Thuso,L Nakedi,S Tlou
7289		Carry Out Risk Assesment	0.25 hrs	Fri 12/05/23 15:30	Fri 12/05/23 15:45	7288	B Thuso,L Nakedi,S Tlou
7290		Open The Inspection Doors	0.5 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:15	7289	B Thuso,L Nakedi,S Tlou
7291		Carry out decontamination protocol	6 hrs	Fri 12/05/23 16:15	Sat 13/05/23 11:15	7290	Nicholas
7292		Run The Chain To Identify Damaged Links,Buckets And Mark Them	0.5 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:45	7291	B Thuso,L Nakedi,S Tlou
7293		Run The Chain To Position The Buckets That Are To Be Removed	0.5 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:45	7292	B Thuso,L Nakedi,S Tlou
7294		Isolate The Bucket Elevator And Lock It, (Local Isolation)	0.25 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:00	7293	B Thuso,L Nakedi,S Tlou
7295		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:30	7294	B Thuso,L Nakedi,S Tlou
7296		Secure The Elevator Using Latching	0.5 hrs	Sat 13/05/23 13:30	Sat 13/05/23 14:00	7295	B Thuso,L Nakedi,S Tlou
7297		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Sat 13/05/23 14:00	Sat 13/05/23 14:30	7296	B Thuso,L Nakedi,S Tlou
7298		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Sat 13/05/23 14:30	Sat 13/05/23 15:00	7297	B Thuso,L Nakedi,S Tlou
7299		Replace Damaged Buckets	0.5 hrs	Sat 13/05/23 15:00	Sat 13/05/23 15:30	7298	B Thuso,L Nakedi,S Tlou
7300		Remove Latching	0.5 hrs	Sat 13/05/23 15:30	Sat 13/05/23 16:00	7299	B Thuso,L Nakedi,S Tlou
7301		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Sat 13/05/23 16:00	Sun 14/05/23 08:45	7300	B Thuso,L Nakedi,S Tlou
7302		Apply Sealant And Close The Doors	1 hr	Sun 14/05/23 08:45	Sun 14/05/23 09:45	7301	B Thuso,L Nakedi,S Tlou
7303		Open Plummer Blocks And Clean Old Grease	1 hr	Sun 14/05/23 09:45	Sun 14/05/23 10:45	7302	B Thuso,L Nakedi,S Tlou
7304		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sun 14/05/23 10:45	Sun 14/05/23 11:45	7303	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7305		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:45	7304	B Thuso,L Nakedi,S Tlou
7306		Slack The V Belts And Replace With New Spb 1590X3	1 hr	Sun 14/05/23 12:45	Sun 14/05/23 13:45	7305	B Thuso,L Nakedi,S Tlou
7307		Tension To The Correct Force And Deflection	0.5 hrs	Sun 14/05/23 13:45	Sun 14/05/23 14:15	7306	B Thuso,L Nakedi,S Tlou
7308		Replace Guard And Secure	0.5 hrs	Sun 14/05/23 14:15	Sun 14/05/23 14:45	7307	B Thuso,L Nakedi,S Tlou
7309		Remove decontamination controls	6 hrs	Sun 14/05/23 14:45	Mon 15/05/23 09:45	7308	Nicholas
7310		Drain Gearbox Oil And Refill With New Gengear 220	0.25 hrs	Mon 15/05/23 09:45	Mon 15/05/23 10:00	7309	B Thuso,L Nakedi,S Tlou
7311		Carry Out Housekeeping	0.25 hrs	Mon 15/05/23 10:00	Mon 15/05/23 10:15	7310	B Thuso,L Nakedi,S Tlou
7312		Sign Off Permit	0.25 hrs	Mon 15/05/23 10:15	Mon 15/05/23 10:30	7311	B Thuso,L Nakedi,S Tlou
7313		Clear Permit	0.25 hrs	Mon 15/05/23 10:30	Mon 15/05/23 10:45	7312	Operations
7314	**29C2RM03**	**# A2 STAR FEEDER - Carry Out Inspection And Service**	**51.5 hrs**	**Thu 11/05/23 08:15**	**Tue 16/05/23 07:15**	**9011**	
7315		Prepare star feeder blades prior	0 hrs	Thu 11/05/23 08:15	Thu 11/05/23 08:15		
7316		Make Out Permit	0.25 hrs	Thu 11/05/23 08:15	Thu 11/05/23 08:30	7315	Operations
7317		Accept Permit	0.25 hrs	Thu 11/05/23 08:30	Thu 11/05/23 08:45	7316	B Thuso,L Nakedi,S Tlou
7318		Carry Out Risk Assesment	0.25 hrs	Thu 11/05/23 08:45	Thu 11/05/23 09:00	7317	B Thuso,L Nakedi,S Tlou
7319		Loosen star feeder mounting bolts	1 hr	Thu 11/05/23 09:00	Thu 11/05/23 10:00	7318	B Thuso,L Nakedi,S Tlou
7320		Remove all bolts and swing star feeder	3 hrs	Thu 11/05/23 10:00	Thu 11/05/23 13:30	7319	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7321		Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Thu 11/05/23 13:30	Thu 11/05/23 14:00	7320	B Thuso,L Nakedi,S Tlou
7322		Stop And swing back star feeder	1 hr	Thu 11/05/23 14:00	Thu 11/05/23 15:00	7321	B Thuso,L Nakedi,S Tlou
7323		Install and tighten mounting bolts	2 hrs	Thu 11/05/23 15:00	Thu 11/05/23 17:00	7322	B Thuso,L Nakedi,S Tlou
7324		Sign Off Permit If Everything Is In Order.	0.25 hrs	Thu 11/05/23 17:00	Thu 11/05/23 17:15	7323	B Thuso,L Nakedi,S Tlou
7325		If There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Thu 11/05/23 17:15	Thu 11/05/23 17:30	7324	B Thuso,L Nakedi,S Tlou
7326		Loosen And Remove Guards	0.5 hrs	Thu 11/05/23 17:30	Thu 11/05/23 18:00	7325	B Thuso,L Nakedi,S Tlou
7327		Disconnect geared unit	1 hr	Fri 12/05/23 07:00	Fri 12/05/23 08:00	7326	L Majoo,Electrician1
7328		Remove the drive chain	1 hr	Fri 12/05/23 08:00	Fri 12/05/23 09:00	7327	B Thuso,L Nakedi,S Tlou
7329		Support geared unit and remove mounting bolts	1.5 hrs	Fri 12/05/23 09:00	Fri 12/05/23 10:30	7328	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7330		Rig out geared unit	1.5 hrs	Fri 12/05/23 10:30	Fri 12/05/23 12:00	7329	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7331		Support star feeder	0.5 hrs	Fri 12/05/23 12:30	Fri 12/05/23 13:00	7330	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7332		Rig out start feeder completely	1 hr	Fri 12/05/23 13:00	Fri 12/05/23 14:00	7331	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7333		Clean star feeder and transport to workshop	0.5 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:30	7332	Crane lorry,G Moeseraela,T Moloi
7334		Mark all the mating components	0.5 hrs	Fri 12/05/23 14:30	Fri 12/05/23 15:00	7333	B Thuso,L Nakedi,S Tlou
7335		Strip star feeder	6 hrs	Fri 12/05/23 15:00	Sat 13/05/23 10:00	7334	B Thuso,L Nakedi,S Tlou
7336		Inspect and measure all the components	1.5 hrs	Sat 13/05/23 10:00	Sat 13/05/23 11:30	7335	B Thuso,L Nakedi,S Tlou
7337		Assemble star feeder	6 hrs	Sat 13/05/23 11:30	Sat 13/05/23 18:00	7336	B Thuso,L Nakedi,S Tlou
7338		Carry out quality checks	0.5 hrs	Sun 14/05/23 07:00	Sun 14/05/23 07:30	7337	B Thuso,L Nakedi,S Tlou
7339		Transport to plant	0.5 hrs	Mon 15/05/23 08:15	Mon 15/05/23 08:45	7338,8992	B Thuso,L Nakedi,S Tlou
7340		Rig star feeder into place and mount	2.5 hrs	Mon 15/05/23 08:45	Mon 15/05/23 11:15	7339	O/H crane,G Moeseraela,T Moloi
7341		Install geared unit	1 hr	Mon 15/05/23 11:15	Mon 15/05/23 12:45	7340	B Thuso,L Nakedi,S Tlou
7342		Install drive chain	1 hr	Mon 15/05/23 12:45	Mon 15/05/23 13:45	7341	B Thuso,L Nakedi,S Tlou
7343		Install guards	1 hr	Mon 15/05/23 13:45	Mon 15/05/23 14:45	7342	B Thuso,L Nakedi,S Tlou
7344		Connect geared unit and verify direction	0.5 hrs	Mon 15/05/23 14:45	Mon 15/05/23 15:15	7343	B Thuso,L Nakedi,S Tlou
7345		Box up	2 hrs	Mon 15/05/23 15:15	Mon 15/05/23 17:15	7344	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7346		Lubricate drive chain	0.25 hrs	Mon 15/05/23 17:15	Mon 15/05/23 17:30	7345	B Thuso,L Nakedi,S Tlou
7347		Carry Out House Keeping	0.5 hrs	Mon 15/05/23 17:30	Mon 15/05/23 18:00	7346	B Thuso,L Nakedi,S Tlou
7348		Clear The Permit	0.25 hrs	Tue 16/05/23 07:00	Tue 16/05/23 07:15	7347	B Thuso,L Nakedi,S Tlou
7349	**29C2GK01**	**# A FEED HOPPER WITH STIRRERS (South) - Overhaul, Repair Base Plates and Centralise Stirrer**	**16.75 hrs**	**Sat 06/05/23 10:30**	**Sun 07/05/23 17:15**	**7410**	
7350		Make Out Permit	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45		Operations
7351		Accept Permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	7350	B Thuso,L Nakedi,S Tlou
7352		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	7351	B Thuso,L Nakedi,S Tlou
7353		Disconnect The Motors	0.5 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:45	7352	L Majoo,Electrician1
7354		Open The Inspection Cover And Perform Gas Test	0.5 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:45	7353	Lab,B Thuso,L Nakedi,S Tlou
7355		Remove The Feed Hopper Bonnet To Access The Stirrers	0.5 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:15	7354	B Thuso,L Nakedi,S Tlou
7356		Support The Stirrers With A Chain Block	0.5 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:45	7355	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7357		Uncouple The Stirrers By Removing The Spool Piece	0.5 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:15	7356	B Thuso,L Nakedi,S Tlou
7358		Lower The Stirrers	0.5 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:45	7357	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7359		Support The Geared Unit With A Chain Block	0.5 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:15	7358	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7360		Loosen And Remove The Mounting Bolts For The Geared Units	0.5 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:45	7359	B Thuso,L Nakedi,S Tlou
7361		Rig Out The Geared Unit And Transport To The Workshop	1 hr	Sat 06/05/23 15:45	Sat 06/05/23 16:45	7360	G Moeseraela,T Moloi
7362		Loosen The Locking Bolt And Extract The Circlip To Remove The Housing	0.5 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:15	7361	B Thuso,L Nakedi,S Tlou
7363		Press Out The Bearings From The Housing	2 hrs	Sat 06/05/23 17:15	Sun 07/05/23 08:15	7362	B Thuso,L Nakedi,S Tlou
7364		Replace Bearings And Peck With New Grease	1 hr	Sun 07/05/23 08:15	Sun 07/05/23 09:15	7363	B Thuso,L Nakedi,S Tlou
7365		Install Bearing Assembly In The Housing,Insert Circlip And A Locking Plate	2 hrs	Sun 07/05/23 09:15	Sun 07/05/23 11:15	7364	B Thuso,L Nakedi,S Tlou
7366		Replace Seals	1 hr	Sun 07/05/23 11:15	Sun 07/05/23 12:45	7365	B Thuso,L Nakedi,S Tlou
7367		Attach The Assembly To The Geared Unit And Secure	1 hr	Sun 07/05/23 12:45	Sun 07/05/23 13:45	7366	B Thuso,L Nakedi,S Tlou
7368		Transport To Site And Rig In Position And Secure	1 hr	Sun 07/05/23 13:45	Sun 07/05/23 14:45	7367	G Moeseraela,T Moloi
7369		Couple The Stirrer And The Gearbox	1 hr	Sun 07/05/23 14:45	Sun 07/05/23 15:45	7368	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7370		Reconnect The Motor And Confirm The Direction	0.5 hrs	Sun 07/05/23 15:45	Sun 07/05/23 16:15	7369	L Majoo,Electrician1
7371		Close The Feed Hopper Bonnet	0.5 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:45	7370	B Thuso,L Nakedi,S Tlou
7372		Carry Out Housekeeping	0.25 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:00	7371	B Thuso,L Nakedi,S Tlou
7373		Clear Permit	0.25 hrs	Sun 07/05/23 17:00	Sun 07/05/23 17:15	7372	B Thuso,L Nakedi,S Tlou
7374	**29C2GK01**	**# A FEED HOPPER WITH STIRRERS (North) - Overhaul, Repair Base Plates and Centralise Stirrer**	**16.75 hrs**	**Sat 06/05/23 16:45**	**Mon 08/05/23 12:00**	**7361**	
7375		Make Out Permit	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00		Operations
7376		Accept Permit	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15	7375	B Thuso,L Nakedi,S Tlou
7377		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	7376	B Thuso,L Nakedi,S Tlou
7378		Disconnect The Motors	0.5 hrs	Sat 06/05/23 17:30	Sat 06/05/23 18:00	7377	L Majoo,Electrician1
7379		Open The Inspection Cover And Perform Gas Test	0.5 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:30	7378	Lab,B Thuso,L Nakedi,S Tlou
7380		Remove The Feed Hopper Bonnet To Access The Stirrers	0.5 hrs	Sun 07/05/23 07:30	Sun 07/05/23 08:00	7379	B Thuso,L Nakedi,S Tlou
7381		Support The Stirrers With A Chain Block	0.5 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:30	7380	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7382		Uncouple The Stirrers By Removing The Spool Piece	0.5 hrs	Sun 07/05/23 08:30	Sun 07/05/23 09:00	7381	B Thuso,L Nakedi,S Tlou
7383		Lower The Stirrers	0.5 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:30	7382	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7384		Support The Geared Unit With A Chain Block	0.5 hrs	Sun 07/05/23 09:30	Sun 07/05/23 10:00	7383	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7385		Loosen And Remove The Mounting Bolts For The Geared Units	0.5 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:30	7384	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7386		Rig Out The Geared Unit And Transport To The Workshop	1 hr	Sun 07/05/23 10:30	Sun 07/05/23 11:30	7385	G Moeseraela,T Moloi
7387		Loosen The Locking Bolt And Extract The Circlip To Remove The Housing	0.5 hrs	Sun 07/05/23 11:30	Sun 07/05/23 12:00	7386	B Thuso,L Nakedi,S Tlou
7388		Press Out The Bearings From The Housing	2 hrs	Sun 07/05/23 12:30	Sun 07/05/23 14:30	7387	B Thuso,L Nakedi,S Tlou
7389		Replace Bearings And Peck With New Grease	1 hr	Sun 07/05/23 14:30	Sun 07/05/23 15:30	7388	B Thuso,L Nakedi,S Tlou
7390		Install Bearing Assembly In The Housing,Insert Circlip And A Locking Plate	2 hrs	Sun 07/05/23 15:30	Sun 07/05/23 17:30	7389	B Thuso,L Nakedi,S Tlou
7391		Replace Seals	1 hr	Sun 07/05/23 17:30	Mon 08/05/23 07:30	7390	B Thuso,L Nakedi,S Tlou
7392		Attach The Assembly To The Geared Unit And Secure	1 hr	Mon 08/05/23 07:30	Mon 08/05/23 08:30	7391	B Thuso,L Nakedi,S Tlou
7393		Transport To Site And Rig In Position And Secure	1 hr	Mon 08/05/23 08:30	Mon 08/05/23 09:30	7392	G Moeseraela,T Moloi
7394		Couple The Stirrer And The Gearbox	1 hr	Mon 08/05/23 09:30	Mon 08/05/23 10:30	7393	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7395		Reconnect The Motor And Confirm The Direction	0.5 hrs	Mon 08/05/23 10:30	Mon 08/05/23 11:00	7394	L Majoo,Electrician1
7396		Close The Feed Hopper Bonnet	0.5 hrs	Mon 08/05/23 11:00	Mon 08/05/23 11:30	7395	B Thuso,L Nakedi,S Tlou
7397		Carry Out Housekeeping	0.25 hrs	Mon 08/05/23 11:30	Mon 08/05/23 11:45	7396	B Thuso,L Nakedi,S Tlou
7398		Clear Permit	0.25 hrs	Mon 08/05/23 11:45	Mon 08/05/23 12:00	7397	B Thuso,L Nakedi,S Tlou
7399	**29C2RL01**	**# A SCREW FEEDER - Ovehaul Screw Feeder**	**53 hrs**	**Thu 04/05/23 21:00**	**Wed 10/05/23 07:30**		
7400		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
7401		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	7400	B Thuso,L Nakedi,S Tlou
7402		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	7401	B Thuso,L Nakedi,S Tlou
7403		Remove Guards For The Drive Chain	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	7402	B Thuso,L Nakedi,S Tlou
7404		Remove Guards For The V Belts	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	7403	L Majoo,Electrician1
7405		Slack And Remove The V Belts	1 hr	Fri 05/05/23 08:30	Fri 05/05/23 09:30	7404	B Thuso,L Nakedi,S Tlou
7406		Remove The Screw Feeder Guards And Uncouple Screws From The Gearbox	3 hrs	Fri 05/05/23 09:30	Fri 05/05/23 13:00	7405	B Thuso,L Nakedi,S Tlou
7407		Loosen And Remove The Gearbox Mouting Bolts,Then Rig Out The Screw Feeder Gearbox	4 hrs	Fri 05/05/23 13:00	Fri 05/05/23 17:00	7406	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7408		Loosen And Remove All Mounting Bolts For The Screw Feeder	0.5 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:30	7407	B Thuso,L Nakedi,S Tlou
7409		Lift And Support The Feed Hopper To Create Clearance	1 hr	Fri 05/05/23 17:30	Sat 06/05/23 07:30	7408	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7410		Rig Out The Screw Feeder And Transport To The Workshop After Washing	3 hrs	Sat 06/05/23 07:30	Sat 06/05/23 10:30	7409	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7411		Remove The Stuffing Box,Clean And Inspect For Wear,Then Replace	0.5 hrs	Sat 06/05/23 10:30	Sat 06/05/23 11:00	7410	B Thuso,L Nakedi,S Tlou
7412		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Sat 06/05/23 11:00	Sat 06/05/23 15:15	7411	B Thuso,L Nakedi,S Tlou
7413		Replace The Screws And inspect Housing For Wear	4.5 hrs	Sat 06/05/23 15:15	Sun 07/05/23 08:45	7412	B Thuso,L Nakedi,S Tlou
7414		Remove stuffing boxes and machine	16 hrs	Sun 07/05/23 08:45	Mon 08/05/23 14:45	7413	B Thuso,L Nakedi,S Tlou
7415		Repack The Stuffing Boxes And Replace The Gland Follower	1 hr	Mon 08/05/23 14:45	Mon 08/05/23 15:45	7414	B Thuso,L Nakedi,S Tlou
7416		Inspect The Seal Plate Mounting Holes And Recondition	3 hrs	Mon 08/05/23 15:45	Tue 09/05/23 07:45	7415	Machinist,B Thuso,L Nakedi,S Tlou
7417		Allign The Screws Such That The Key Ways Lie On The Same Plane(Timing Of Screws)	0.5 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:15	7416	B Thuso,L Nakedi,S Tlou
7418		Tag Weld The Flat Bar On The Drive Side To Prevent Movement Of Screws During Transportation And Installation Nb,The Flat Bar Must Be Be Removed Once The Screw Feeder Is In Its Position	0.5 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:45	7417	M Ramatlhakeng,S Monna
7419		Transport To Site And Rig In Position And Secure	3 hrs	Tue 09/05/23 08:45	Tue 09/05/23 11:45	7418	G Moeseraela,T Moloi
7420		Lower The Hopper And Secure	0.5 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:45	7419	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7421		Drain Oil In The Gearbox	1 hr	Tue 09/05/23 12:45	Tue 09/05/23 13:45	7420	B Thuso,L Nakedi,S Tlou
7422		Replace Oil Seals	1 hr	Tue 09/05/23 13:45	Tue 09/05/23 14:45	7421	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7423		Install The Gearbox And Align To The Screw Feeder Shafts,Then Secure	1 hr	Tue 09/05/23 14:45	Tue 09/05/23 15:45	7422	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7424		Cut Off The Flat Bar And Couple The Gearbox To The Screw	0.5 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:15	7423	B Thuso,L Nakedi,S Tlou,M Ramatlhake
7425		Replace The Screw Guards	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	7424	B Thuso,L Nakedi,S Tlou
7426		Align The Gearbox And Motor Pulleys	0.5 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:15	7425	B Thuso,L Nakedi,S Tlou
7427		Install V Belts And Tension To The Correct Force And Deflection	0.5 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:45	7426	B Thuso,L Nakedi,S Tlou
7428		Install V Belts Guard	0.5 hrs	Tue 09/05/23 17:45	Wed 10/05/23 07:15	7427	B Thuso,L Nakedi,S Tlou
7429		Carry Out Housekeeping	0.25 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:30	7428	B Thuso,L Nakedi,S Tlou
7430		Clear Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		B Thuso,L Nakedi,S Tlou
7431	**29C2GP01**	**# A COMPACTOR - Compactor general inspections**	**11 hrs**	**Thu 04/05/23 21:00**	**Sat 06/05/23 07:30**		
7432		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
7433		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	7432	B Thuso,L Nakedi,S Tlou
7434		Inspect compactor shims for wear and damage	2 hrs	Fri 05/05/23 07:15	Fri 05/05/23 09:15	7433	G Moeseraela,K Gabantogele,T Moloi,B
7435		Check for oil leaks on Hydraulic Cylinders and fittings, Top up use Engen	1 hr	Fri 05/05/23 09:15	Fri 05/05/23 10:15	7434	G Moeseraela,K Gabantogele,T Moloi
7436		Inspect hydraulic hoses for leaks and damage	1.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 11:45	7435	Reliability,G Moeseraela,K Gabantogele
7437		Compactor Cardan Shafts	2 hrs	Fri 05/05/23 11:45	Fri 05/05/23 14:15	7436	Reliability,B Thuso,L Nakedi,S Tlou
7438		Clean and inspect carden shafts for cracks and loose flange bolts	1 hr	Fri 05/05/23 14:15	Fri 05/05/23 15:15	7437	G Moeseraela,K Gabantogele,T Moloi
7439		Inspect bolts for wear, damage, looseness and missing ones - retorque if	1 hr	Fri 05/05/23 15:15	Fri 05/05/23 16:15	7438	Reliability,B Thuso,L Nakedi,S Tlou
7440		Grease Cardan Shaft Universals both joints until grease leaks from all 8	1 hr	Fri 05/05/23 16:15	Fri 05/05/23 17:15	7439	Reliability,G Moeseraela,K Gabantogele
7441		Grease Cardan Shaft splines 5 pumps of grease use EP22 grease	1 hr	Fri 05/05/23 17:15	Sat 06/05/23 07:15	7440	Reliability,G Moeseraela,K Gabantogele
7442		Clear permit	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	7441	B Thuso,L Nakedi,S Tlou
7443	**29C2GP01**	**# A COMPACTOR - Inspect general inspections**	**30.25 hrs**	**Sat 06/05/23 07:30**	**Mon 08/05/23 17:15**	**7431**	
7444		Make out permit	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45		Operations
7445		Accept permit	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	7444	B Thuso,L Nakedi,S Tlou
7446		Carry out risk assesment	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	7445	B Thuso,L Nakedi,S Tlou
7447		Remove guards for the drive chain	0.5 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:45	7446	B Thuso,L Nakedi,S Tlou
7448		Organise an empty drum and a manual pump	0 hrs	Sat 06/05/23 08:45	Sat 06/05/23 08:45	7447	B Thuso,L Nakedi,S Tlou
7449		Remove guards (cardan shaft and v belts guard)	2 hrs	Sat 06/05/23 08:45	Sat 06/05/23 10:45	7448	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7450		Disconnect the motor and mark the terminals	1 hr	Sat 06/05/23 10:45	Sat 06/05/23 11:45	7449	L Majoo,Electrician1
7451		Slack the v belts and remove them	0.5 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:45	7450	B Thuso,L Nakedi,S Tlou
7452		Slack the chain	0.5 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:15	7451	B Thuso,L Nakedi,S Tlou
7453		Loosen and remove the back cover for the coil	0.5 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:45	7452	B Thuso,L Nakedi,S Tlou
7454		Support the motor with an overhead crane	0.5 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:15	7453	G Moeseraela,T Moloi
7455		Loosen the motor mounting bolts and rig out the motor	1 hr	Sat 06/05/23 14:15	Sat 06/05/23 15:15	7454	B Thuso,L Nakedi,S Tlou
7456		Remove the input shaft pulley and the back plate for the guard	1 hr	Sat 06/05/23 15:15	Sat 06/05/23 16:15	7455	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7457		Support the top cardan shaft with an overhead crane	0.5 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:45	7456	G Moeseraela,T Moloi
7458		Remove all bolts and rig out the top cardan shaft	2 hrs	Sat 06/05/23 16:45	Sun 07/05/23 07:45	7457	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7459		Drain oil to lower level below the top cover to be removed	0.5 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:15	7458	B Thuso,L Nakedi,S Tlou
7460		Loosen and remove the gearbox top cover mounting bolts with a hytorc machir	3 hrs	Sun 07/05/23 08:15	Sun 07/05/23 11:15	7459	B Thuso,L Nakedi,S Tlou
7461		Lift the top cover to expose the gears and move it to the side	1 hr	Sun 07/05/23 11:15	Sun 07/05/23 12:45	7460	G Moeseraela,T Moloi
7462		Inspect gears and repair or replace if necessary	1 hr	Sun 07/05/23 12:45	Sun 07/05/23 13:45	7461	Reliability,B Thuso,L Nakedi,S Tlou
7463		Clean the mating surfaces and apply sealing compound,and replace all leaking seal	0.5 hrs	Sun 07/05/23 13:45	Sun 07/05/23 14:15	7462	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7464		Lower the top cover and secure with bolts,then tighten to specifications	3 hrs	Sun 07/05/23 14:15	Sun 07/05/23 17:15	7463	G Moeseraela,T Moloi
7465		Install the top cardan shaft and fasten	2 hrs	Sun 07/05/23 17:15	Mon 08/05/23 08:15	7464	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7466		Replace the back cover plate for the v belts guard and install input shaft pulley	1 hr	Mon 08/05/23 08:15	Mon 08/05/23 09:15	7465	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7467		Replace the motor and align pulleys	2 hrs	Mon 08/05/23 09:15	Mon 08/05/23 11:15	7466	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7468		Reconnect the motor	0.5 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:45	7467	L Majoo,Electrician1
7469		Install vee belts SPC 22NX4000 and ensure correct tension	1 hr	Mon 08/05/23 11:45	Mon 08/05/23 13:15	7468	B Thuso,L Nakedi,S Tlou
7470		Replace all guards	2 hrs	Mon 08/05/23 13:15	Mon 08/05/23 15:15	7469	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7471		Open the inspection and refill to the correct level	1 hr	Mon 08/05/23 15:15	Mon 08/05/23 16:15	7470	B Thuso,L Nakedi,S Tlou
7472		Close the inspection cover	0.5 hrs	Mon 08/05/23 16:15	Mon 08/05/23 16:45	7471	B Thuso,L Nakedi,S Tlou
7473		Carry out housekeeping	0.25 hrs	Mon 08/05/23 16:45	Mon 08/05/23 17:00	7472	B Thuso,L Nakedi,S Tlou
7474		Clear the permit	0.25 hrs	Mon 08/05/23 17:00	Mon 08/05/23 17:15	7473	Operations
7475	**29C2GP01**	**# A COMPACTOR (TRANSFER SCREW) - Carry out inspection**	**5.75 hrs**	**Mon 08/05/23 17:15**	**Tue 09/05/23 12:15**	**7443**	
7476		Accept permit	0.25 hrs	Mon 08/05/23 17:15	Mon 08/05/23 17:30		B Thuso,L Nakedi,S Tlou
7477		Carry out risk assesment	0.25 hrs	Mon 08/05/23 17:30	Mon 08/05/23 17:45	7476	B Thuso,L Nakedi,S Tlou
7478		Remove top covers	0.5 hrs	Mon 08/05/23 17:45	Tue 09/05/23 07:15	7477	B Thuso,L Nakedi,S Tlou
7479		Inspect screw for wear,physical damage and deformation	1 hr	Tue 09/05/23 07:15	Tue 09/05/23 08:15	7478	B Thuso,L Nakedi,S Tlou
7480		Apply sealant and replace top covers	0.5 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:45	7479	B Thuso,L Nakedi,S Tlou
7481		Inspect flange bearings,lubricate with grease and replace if necessary	3 hrs	Tue 09/05/23 08:45	Tue 09/05/23 11:45	7480	B Thuso,L Nakedi,S Tlou
7482		Sign off permit	0.25 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:00	7481	B Thuso,L Nakedi,S Tlou
7483		Clear permit	0.25 hrs	Tue 09/05/23 12:00	Tue 09/05/23 12:15	7482	Operations
7484	**29C2GP01**	**# A COMPACTOR - (distribution screw) Carry out inspection**	**9.75 hrs**	**Tue 09/05/23 12:15**	**Wed 10/05/23 11:15**	**7475**	
7485		Make out permit	0.25 hrs	Tue 09/05/23 12:15	Tue 09/05/23 12:30		Operations
7486		Accept permit	0.25 hrs	Tue 09/05/23 12:30	Tue 09/05/23 12:45	7485	B Thuso,L Nakedi,S Tlou
7487		Carry out risk assesment	0.25 hrs	Tue 09/05/23 12:45	Tue 09/05/23 13:00	7486	B Thuso,L Nakedi,S Tlou
7488		Remove top covers(Hood)	0.5 hrs	Tue 09/05/23 13:00	Tue 09/05/23 13:30	7487	B Thuso,L Nakedi,S Tlou
7489		Diconnect motor and mark the terminals	0.5 hrs	Tue 09/05/23 13:30	Tue 09/05/23 14:00	7488	L Majoo,Electrician1
7490		Remove oversize pipe	0.5 hrs	Tue 09/05/23 14:00	Tue 09/05/23 14:30	7489	B Thuso,L Nakedi,S Tlou
7491		Loosen mounting bolts and rig out the screw	1.75 hrs	Tue 09/05/23 14:30	Tue 09/05/23 16:15	7490	
7492		Wash screw thoroughly and transport to the workshop	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	7491	B Thuso,L Nakedi,S Tlou
7493		Open the top cover and inspect the screw for wear,physical damage and deformation	0.5 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:15	7492	B Thuso,L Nakedi,S Tlou
7494		Remove gearbox and change bearings	0.5 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:45	7493	B Thuso,L Nakedi,S Tlou
7495		Replace gearbox with a new one	0.5 hrs	Tue 09/05/23 17:45	Wed 10/05/23 07:15	7494	B Thuso,L Nakedi,S Tlou
7496		Transport to the site	0.5 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:45	7495	B Thuso,L Nakedi,S Tlou
7497		Rig in position	1.5 hrs	Wed 10/05/23 07:45	Wed 10/05/23 09:15	7496	G Moeseraela,T Moloi
7498		Reconnect the motor and check direction	0.5 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:45	7497	L Majoo,Electrician1
7499		Replace oversize pipe	0.5 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:15	7498	B Thuso,L Nakedi,S Tlou
7500		Replace the covers(Hood)	0.5 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:45	7499	B Thuso,L Nakedi,S Tlou
7501		Sign of the permit	0.25 hrs	Wed 10/05/23 10:45	Wed 10/05/23 11:00	7500	B Thuso,L Nakedi,S Tlou
7502		Clear permit	0.25 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:15	7501	Operations
7503	**29C2GU01**	**# A LUBRICATION UNIT - Service Lubrication Unit And Repair Oil Leaks**	**42 hrs**	**Wed 10/05/23 11:15**	**Sun 14/05/23 11:15**	**7484**	
7504		Make out permit	0.25 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7505		Accept permit	0.25 hrs	Wed 10/05/23 11:30	Wed 10/05/23 11:45	7504	B Thuso,L Nakedi,S Tlou
7506		Carry out risk assement	0.25 hrs	Wed 10/05/23 11:45	Wed 10/05/23 12:00	7505	B Thuso,L Nakedi,S Tlou
7507		Disconnect motor	1 hr	Wed 10/05/23 12:30	Wed 10/05/23 13:30	7506	B Thuso,L Nakedi,S Tlou
7508		Rig out motor	0.5 hrs	Wed 10/05/23 13:30	Wed 10/05/23 14:00	7507	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7509		Drain oil	2.5 hrs	Wed 10/05/23 14:00	Wed 10/05/23 16:30	7508	B Thuso,L Nakedi,S Tlou
7510		Disconnect discharge pipe	1.5 hrs	Wed 10/05/23 16:30	Wed 10/05/23 18:00	7509	B Thuso,L Nakedi,S Tlou
7511		Open top cover	0.5 hrs	Thu 11/05/23 07:00	Thu 11/05/23 07:30	7510	B Thuso,L Nakedi,S Tlou
7512		Clean tank	3 hrs	Thu 11/05/23 07:30	Thu 11/05/23 10:30	7511	B Thuso,L Nakedi,S Tlou
7513		Change lube oil pump	3 hrs	Thu 11/05/23 10:30	Thu 11/05/23 14:00	7512	B Thuso,L Nakedi,S Tlou
7514		Box up	1 hr	Thu 11/05/23 14:00	Thu 11/05/23 15:00	7513	B Thuso,L Nakedi,S Tlou
7515		Mount motor	0.5 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:30	7514	B Thuso,L Nakedi,S Tlou
7516		Connect motor	1 hr	Thu 11/05/23 15:30	Thu 11/05/23 16:30	7515	B Thuso,L Nakedi,S Tlou
7517		Fill oil	1.5 hrs	Thu 11/05/23 16:30	Thu 11/05/23 18:00	7516	B Thuso,L Nakedi,S Tlou
7518		Check direction	0.25 hrs	Fri 12/05/23 07:00	Fri 12/05/23 07:15	7517	B Thuso,L Nakedi,S Tlou
7519		# B LUBRICATION UNIT - Service Lubrication Unit And Repair Oil Leaks	22 hrs	Fri 12/05/23 07:15	Sun 14/05/23 08:15	7518	B Thuso,L Nakedi,S Tlou
7520		Re clean sytem and top up oil	2 hrs	Sun 14/05/23 08:15	Sun 14/05/23 10:15	7519	B Thuso,L Nakedi,S Tlou
7521		house keeping	0.5 hrs	Sun 14/05/23 10:15	Sun 14/05/23 10:45	7520	B Thuso,L Nakedi,S Tlou
7522		Clear permit	0.25 hrs	Sun 14/05/23 10:45	Sun 14/05/23 11:00	7521	B Thuso,L Nakedi,S Tlou
7523		Clear test run permit	0.25 hrs	Sun 14/05/23 11:00	Sun 14/05/23 11:15	7522	B Thuso,L Nakedi,S Tlou
7524	**29C2PF01**	**# A HYDRAULIC UNIT - Service hydraulic Unit And Repair Oil Leaks**	**14 hrs**	**Sun 14/05/23 11:15**	**Mon 15/05/23 15:15**	**7503**	
7525		Make out permit	0.25 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:30		Operations
7526		Accept permit	0.25 hrs	Sun 14/05/23 11:30	Sun 14/05/23 11:45	7525	B Thuso,L Nakedi,S Tlou
7527		Carry out risk assement	0.25 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:00	7526	B Thuso,L Nakedi,S Tlou
7528		Disconnect motors	1 hr	Sun 14/05/23 12:30	Sun 14/05/23 13:30	7527	B Thuso,L Nakedi,S Tlou
7529		Rig out motors	0.5 hrs	Sun 14/05/23 13:30	Sun 14/05/23 14:00	7528	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7530		Drain oil	1.5 hrs	Sun 14/05/23 14:00	Sun 14/05/23 15:30	7529	B Thuso,L Nakedi,S Tlou
7531		Disconnect discharge pipe	1 hr	Sun 14/05/23 15:30	Sun 14/05/23 16:30	7530	B Thuso,L Nakedi,S Tlou
7532		Open top cover	0.5 hrs	Sun 14/05/23 16:30	Sun 14/05/23 17:00	7531	B Thuso,L Nakedi,S Tlou
7533		Clean tank	2 hrs	Sun 14/05/23 17:00	Mon 15/05/23 08:00	7532	B Thuso,L Nakedi,S Tlou
7534		Change hydraulic pumps	1.5 hrs	Mon 15/05/23 08:00	Mon 15/05/23 09:30	7533	B Thuso,L Nakedi,S Tlou
7535		Box up	1 hr	Mon 15/05/23 09:30	Mon 15/05/23 10:30	7534	B Thuso,L Nakedi,S Tlou
7536		Mount motors	1 hr	Mon 15/05/23 10:30	Mon 15/05/23 11:30	7535	B Thuso,L Nakedi,S Tlou
7537		Connect motors	1 hr	Mon 15/05/23 11:30	Mon 15/05/23 13:00	7536	B Thuso,L Nakedi,S Tlou
7538		Fill oil	1.5 hrs	Mon 15/05/23 13:00	Mon 15/05/23 14:30	7537	B Thuso,L Nakedi,S Tlou
7539		house keeping	0.25 hrs	Mon 15/05/23 14:30	Mon 15/05/23 14:45	7538	B Thuso,L Nakedi,S Tlou
7540		Check direction	0.25 hrs	Mon 15/05/23 14:45	Mon 15/05/23 15:00	7539	B Thuso,L Nakedi,S Tlou
7541		Clear test run permit	0.25 hrs	Mon 15/05/23 15:00	Mon 15/05/23 15:15	7540	B Thuso,L Nakedi,S Tlou
7542	**29C2GF01**	**# A FLAKE CRUSHER - Carry Out Inspection And Service**	**9.5 hrs**	**Mon 15/05/23 15:15**	**Tue 16/05/23 14:15**	**7524**	
7543		Make Out Permit	0.25 hrs	Mon 15/05/23 15:15	Mon 15/05/23 15:30		Operations
7544		Accept Permit	0.25 hrs	Mon 15/05/23 15:30	Mon 15/05/23 15:45	7543	B Thuso,L Nakedi,S Tlou
7545		Carry Out Risk Assesment	0.25 hrs	Mon 15/05/23 15:45	Mon 15/05/23 16:00	7544	B Thuso,L Nakedi,S Tlou
7546		Loosen Mouting Bolts For The Guards And Check The Condition Of Coupling	0.5 hrs	Mon 15/05/23 16:00	Mon 15/05/23 16:30	7545	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7547		Inspect Labyrinth Seals For Wear And Damage	2 hrs	Mon 15/05/23 16:30	Tue 16/05/23 07:30	7546	B Thuso,L Nakedi,S Tlou
7548		Open The Plummer Blocks And Clean Old Grease	2 hrs	Tue 16/05/23 07:30	Tue 16/05/23 09:30	7547	B Thuso,L Nakedi,S Tlou
7549		Inspect Bearings And Repack With New Grease	2 hrs	Tue 16/05/23 09:30	Tue 16/05/23 11:30	7548	B Thuso,L Nakedi,S Tlou
7550		Close The Plummer Blocks	1 hr	Tue 16/05/23 11:30	Tue 16/05/23 13:00	7549	B Thuso,L Nakedi,S Tlou
7551		Sign Off Permit	1 hr	Tue 16/05/23 13:00	Tue 16/05/23 14:00	7550	B Thuso,L Nakedi,S Tlou
7552		Clear Permit	0.25 hrs	Tue 16/05/23 14:00	Tue 16/05/23 14:15	7551	B Thuso,L Nakedi,S Tlou
7553	**29C2GF02**	**# A PRE CRUSHER - Remove crusher for overhaul**	**46.75 hrs**	**Thu 04/05/23 21:00**	**Tue 09/05/23 11:45**		
7554		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
7555		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	7554	B Thuso,L Nakedi,S Tlou
7556		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	7555	B Thuso,L Nakedi,S Tlou
7557		Remove Guards	2 hrs	Fri 05/05/23 07:30	Fri 05/05/23 09:30	7556	B Thuso,L Nakedi,S Tlou
7558		Support all geared units and loosen all mounting bolts	3.5 hrs	Fri 05/05/23 09:30	Fri 05/05/23 13:30	7557	B Thuso,L Nakedi,S Tlou
7559		Disconnect all geared units	3 hrs	Fri 05/05/23 13:30	Fri 05/05/23 16:30	7558	B Thuso,L Nakedi,S Tlou
7560		Rig out all geared units	2 hrs	Fri 05/05/23 16:30	Sat 06/05/23 07:30	7559	O/H crane,G Moeseraela,T Moloi
7561		Loosen all chute bolts	2.5 hrs	Sat 06/05/23 07:30	Sat 06/05/23 10:00	7560	B Thuso,L Nakedi,S Tlou
7562		Rig out the chute	2.5 hrs	Sat 06/05/23 10:00	Sat 06/05/23 13:00	7561	O/H crane,G Moeseraela,T Moloi
7563		Loosen all crusher mounting bolts	0.25 hrs	Sat 06/05/23 13:00	Sat 06/05/23 13:15	7562	B Thuso,L Nakedi,S Tlou
7564		Rig out the crusher	2.5 hrs	Sat 06/05/23 13:15	Sat 06/05/23 15:45	7563	O/H crane,G Moeseraela,T Moloi
7565		Clean the crusher and transport to the workshop	1 hr	Sat 06/05/23 15:45	Sat 06/05/23 16:45	7564	Crane lorry,B Thuso,L Nakedi,S Tlou,G M
7566		Mark all the components prior to stripping	1 hr	Sat 06/05/23 16:45	Sat 06/05/23 17:45	7565	B Thuso,L Nakedi,S Tlou
7567		Strip the crusher	6 hrs	Sat 06/05/23 17:45	Sun 07/05/23 13:15	7566	B Thuso,L Nakedi,S Tlou
7568		Inspect all components and measure	1 hr	Sun 07/05/23 13:15	Sun 07/05/23 14:15	7567	B Thuso,L Nakedi,S Tlou
7569		Assemble the crusher	10 hrs	Sun 07/05/23 14:15	Mon 08/05/23 13:45	7568	B Thuso,L Nakedi,S Tlou
7570		Carry out quality check	0.5 hrs	Mon 08/05/23 13:45	Mon 08/05/23 14:15	7569	B Thuso,L Nakedi,S Tlou
7571		Transport to the plant	1 hr	Mon 08/05/23 15:30	Mon 08/05/23 16:30	7570,7837	Crane lorry,G Moeseraela,T Moloi
7572		Rig in the crusher and mount	2 hrs	Mon 08/05/23 16:30	Tue 09/05/23 07:30	7571	O/H crane,G Moeseraela,T Moloi
7573		Rig in the geared,couple and mount	1.5 hrs	Tue 09/05/23 07:30	Tue 09/05/23 09:00	7572	O/H crane,G Moeseraela,T Moloi
7574		Rig in the chute and install bolts	0.5 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:30	7573	O/H crane,G Moeseraela,T Moloi
7575		Seal all covers(Box up)	1 hr	Tue 09/05/23 09:30	Tue 09/05/23 10:30	7574	B Thuso,L Nakedi,S Tlou
7576		Carry out housekeeping	1 hr	Tue 09/05/23 10:30	Tue 09/05/23 11:30	7575	B Thuso,L Nakedi,S Tlou
7577		Clear Permit	0.25 hrs	Tue 09/05/23 11:30	Tue 09/05/23 11:45	7576	B Thuso,L Nakedi,S Tlou
7578	**29C2RF03**	**# A3 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.25 hrs**	**Fri 19/05/23 12:00**	**Sat 20/05/23 16:15**	**7262**	
7579		Erect scaffolding prior	0 hrs	Fri 19/05/23 12:00	Fri 19/05/23 12:00		RSC Scaffolding
7580		Make Out Permit	0.25 hrs	Fri 19/05/23 12:00	Fri 19/05/23 12:15	7579	Operations
7581		Accept Permit	0.25 hrs	Fri 19/05/23 12:30	Fri 19/05/23 12:45	7580	B Thuso,L Nakedi,S Tlou
7582		Carry Out Risk Assesment	0.25 hrs	Fri 19/05/23 12:45	Fri 19/05/23 13:00	7581	B Thuso,L Nakedi,S Tlou
7583		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Fri 19/05/23 13:00	Fri 19/05/23 13:30	7582	B Thuso,L Nakedi,S Tlou
7584		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Fri 19/05/23 13:30	Fri 19/05/23 14:00	7583	B Thuso,L Nakedi,S Tlou
7585		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Fri 19/05/23 14:00	Fri 19/05/23 14:30	7584	B Thuso,L Nakedi,S Tlou
7586		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Fri 19/05/23 14:30	Fri 19/05/23 14:45	7585	B Thuso,L Nakedi,S Tlou
7587		Slack The Chain	0.5 hrs	Fri 19/05/23 14:45	Fri 19/05/23 15:15	7586	B Thuso,L Nakedi,S Tlou
7588		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Fri 19/05/23 15:15	Fri 19/05/23 15:45	7587	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7589		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Fri 19/05/23 15:45	Fri 19/05/23 16:15	7588	B Thuso,L Nakedi,S Tlou
7590		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Fri 19/05/23 16:15	Fri 19/05/23 16:45	7589	B Thuso,L Nakedi,S Tlou
7591		Tension The Drag Chain	0.5 hrs	Fri 19/05/23 16:45	Fri 19/05/23 17:15	7590	B Thuso,L Nakedi,S Tlou
7592		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Fri 19/05/23 17:15	Sat 20/05/23 09:30	7591	B Thuso,L Nakedi,S Tlou
7593		Apply Sealant And Close The Top Covers	1 hr	Sat 20/05/23 09:30	Sat 20/05/23 10:30	7592	B Thuso,L Nakedi,S Tlou
7594		Open Plummer Blocks And Clean Old Grease	1 hr	Sat 20/05/23 10:30	Sat 20/05/23 11:30	7593	B Thuso,L Nakedi,S Tlou
7595		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sat 20/05/23 11:30	Sat 20/05/23 13:00	7594	B Thuso,L Nakedi,S Tlou
7596		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 20/05/23 13:00	Sat 20/05/23 13:30	7595	B Thuso,L Nakedi,S Tlou
7597		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Sat 20/05/23 13:30	Sat 20/05/23 14:30	7596	B Thuso,L Nakedi,S Tlou
7598		Tension To The Correct Force And Deflection	0.5 hrs	Sat 20/05/23 14:30	Sat 20/05/23 15:00	7597	B Thuso,L Nakedi,S Tlou
7599		Replace Guard And Secure	0.5 hrs	Sat 20/05/23 15:00	Sat 20/05/23 15:30	7598	B Thuso,L Nakedi,S Tlou
7600		Carry Out Housekeeping	0.25 hrs	Sat 20/05/23 15:30	Sat 20/05/23 15:45	7599	B Thuso,L Nakedi,S Tlou
7601		Sign Off The Permit	0.25 hrs	Sat 20/05/23 15:45	Sat 20/05/23 16:00	7600	B Thuso,L Nakedi,S Tlou
7602		Clear Permit	0.25 hrs	Sat 20/05/23 16:00	Sat 20/05/23 16:15	7601	Operations
7603		Dismantle scaffolding	0 hrs	Sat 20/05/23 16:15	Sat 20/05/23 16:15	7602	RSC Scaffolding
7604	**29C2RP02**	**# A2 BUCKET ELEVATOR - Inspection And NDT**	**27.75 hrs**	**Mon 15/05/23 10:45**	**Wed 17/05/23 18:00**	**7286**	
7605		Make Out Permit	0.25 hrs	Mon 15/05/23 10:45	Mon 15/05/23 11:00		Operations
7606		Accept Permit	0.25 hrs	Mon 15/05/23 11:00	Mon 15/05/23 11:15	7605	B Thuso,L Nakedi,S Tlou
7607		Carry Out Risk Assesment	0.25 hrs	Mon 15/05/23 11:15	Mon 15/05/23 11:30	7606	B Thuso,L Nakedi,S Tlou
7608		Open The Inspection Doors	0.5 hrs	Mon 15/05/23 11:30	Mon 15/05/23 12:00	7607	B Thuso,L Nakedi,S Tlou
7609		Carry out decontamination protocol	6 hrs	Mon 15/05/23 12:30	Tue 16/05/23 07:30	7608	Nicholas
7610		Run The Chain To Identify Damaged Links,Buckets And Mark Them	0.5 hrs	Tue 16/05/23 07:30	Tue 16/05/23 08:00	7609	B Thuso,L Nakedi,S Tlou
7611		Run The Chain To Position The Buckets That Are To Be Removed	0.5 hrs	Tue 16/05/23 08:00	Tue 16/05/23 08:30	7610	B Thuso,L Nakedi,S Tlou
7612		Isolate The Bucket Elevator And Lock It, (Local Isolation)	0.25 hrs	Tue 16/05/23 08:30	Tue 16/05/23 08:45	7611	B Thuso,L Nakedi,S Tlou
7613		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Tue 16/05/23 08:45	Tue 16/05/23 09:15	7612	B Thuso,L Nakedi,S Tlou
7614		Secure The Elevator Using Latching	0.5 hrs	Tue 16/05/23 09:15	Tue 16/05/23 09:45	7613	B Thuso,L Nakedi,S Tlou
7615		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Tue 16/05/23 09:45	Tue 16/05/23 10:15	7614	B Thuso,L Nakedi,S Tlou
7616		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Tue 16/05/23 10:15	Tue 16/05/23 10:45	7615	B Thuso,L Nakedi,S Tlou
7617		Replace Damaged Buckets	0.5 hrs	Tue 16/05/23 10:45	Tue 16/05/23 11:15	7616	B Thuso,L Nakedi,S Tlou
7618		Remove Latching	0.5 hrs	Tue 16/05/23 11:15	Tue 16/05/23 11:45	7617	B Thuso,L Nakedi,S Tlou
7619		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Tue 16/05/23 11:45	Tue 16/05/23 16:00	7618	B Thuso,L Nakedi,S Tlou
7620		Apply Sealant And Close The Doors	1 hr	Tue 16/05/23 16:00	Tue 16/05/23 17:00	7619	B Thuso,L Nakedi,S Tlou
7621		Open Plummer Blocks And Clean Old Grease	1 hr	Tue 16/05/23 17:00	Tue 16/05/23 18:00	7620	B Thuso,L Nakedi,S Tlou
7622		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Wed 17/05/23 07:00	Wed 17/05/23 08:00	7621	B Thuso,L Nakedi,S Tlou
7623		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Wed 17/05/23 08:00	Wed 17/05/23 08:30	7622	B Thuso,L Nakedi,S Tlou
7624		Slack The V Belts And Replace With New Spb 1590X3	1 hr	Wed 17/05/23 08:30	Wed 17/05/23 09:30	7623	B Thuso,L Nakedi,S Tlou
7625		Tension To The Correct Force And Deflection	0.5 hrs	Wed 17/05/23 09:30	Wed 17/05/23 10:00	7624	B Thuso,L Nakedi,S Tlou
7626		Replace Guard And Secure	0.5 hrs	Wed 17/05/23 10:00	Wed 17/05/23 10:30	7625	B Thuso,L Nakedi,S Tlou
7627		Remove decontamination controls	6 hrs	Wed 17/05/23 10:30	Wed 17/05/23 17:00	7626	Nicholas
7628		Drain Gearbox Oil And Refill With New Gengear 220	0.25 hrs	Wed 17/05/23 17:00	Wed 17/05/23 17:15	7627	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7629		Carry Out Housekeeping	0.25 hrs	Wed 17/05/23 17:15	Wed 17/05/23 17:30	7628	B Thuso,L Nakedi,S Tlou
7630		Sign Off Permit	0.25 hrs	Wed 17/05/23 17:30	Wed 17/05/23 17:45	7629	B Thuso,L Nakedi,S Tlou
7631		Clear Permit	0.25 hrs	Wed 17/05/23 17:45	Wed 17/05/23 18:00	7630	Operations
7632	**29C2RF08**	**# A7 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.25 hrs**	**Wed 17/05/23 18:00**	**Fri 19/05/23 10:45**	**7604**	
7633		Make Out Permit	0.25 hrs	Wed 17/05/23 18:00	Wed 17/05/23 18:15		Operations
7634		Accept Permit	0.25 hrs	Thu 18/05/23 07:00	Thu 18/05/23 07:15	7633	B Thuso,L Nakedi,S Tlou
7635		Carry Out Risk Assesment	0.25 hrs	Thu 18/05/23 07:15	Thu 18/05/23 07:30	7634	B Thuso,L Nakedi,S Tlou
7636		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Thu 18/05/23 07:30	Thu 18/05/23 08:00	7635	B Thuso,L Nakedi,S Tlou
7637		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Thu 18/05/23 08:00	Thu 18/05/23 08:30	7636	B Thuso,L Nakedi,S Tlou
7638		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Thu 18/05/23 08:30	Thu 18/05/23 09:00	7637	B Thuso,L Nakedi,S Tlou
7639		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Thu 18/05/23 09:00	Thu 18/05/23 09:15	7638	B Thuso,L Nakedi,S Tlou
7640		Slack The Chain	0.5 hrs	Thu 18/05/23 09:15	Thu 18/05/23 09:45	7639	B Thuso,L Nakedi,S Tlou
7641		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Thu 18/05/23 09:45	Thu 18/05/23 10:15	7640	B Thuso,L Nakedi,S Tlou
7642		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Thu 18/05/23 10:15	Thu 18/05/23 10:45	7641	B Thuso,L Nakedi,S Tlou
7643		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Thu 18/05/23 10:45	Thu 18/05/23 11:15	7642	B Thuso,L Nakedi,S Tlou
7644		Tension The Drag Chain	0.5 hrs	Thu 18/05/23 11:15	Thu 18/05/23 11:45	7643	B Thuso,L Nakedi,S Tlou
7645		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Thu 18/05/23 11:45	Thu 18/05/23 15:30	7644	B Thuso,L Nakedi,S Tlou
7646		Apply Sealant And Close The Top Covers	1 hr	Thu 18/05/23 15:30	Thu 18/05/23 16:30	7645	B Thuso,L Nakedi,S Tlou
7647		Open Plummer Blocks And Clean Old Grease	1 hr	Thu 18/05/23 16:30	Thu 18/05/23 17:30	7646	B Thuso,L Nakedi,S Tlou
7648		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Thu 18/05/23 17:30	Fri 19/05/23 07:30	7647	B Thuso,L Nakedi,S Tlou
7649		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Fri 19/05/23 07:30	Fri 19/05/23 08:00	7648	B Thuso,L Nakedi,S Tlou
7650		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Fri 19/05/23 08:00	Fri 19/05/23 09:00	7649	B Thuso,L Nakedi,S Tlou
7651		Tension To The Correct Force And Deflection	0.5 hrs	Fri 19/05/23 09:00	Fri 19/05/23 09:30	7650	B Thuso,L Nakedi,S Tlou
7652		Replace Guard And Secure	0.5 hrs	Fri 19/05/23 09:30	Fri 19/05/23 10:00	7651	B Thuso,L Nakedi,S Tlou
7653		Carry Out Housekeeping	0.25 hrs	Fri 19/05/23 10:00	Fri 19/05/23 10:15	7652	B Thuso,L Nakedi,S Tlou
7654		Sign Off The Permit	0.25 hrs	Fri 19/05/23 10:15	Fri 19/05/23 10:30	7653	B Thuso,L Nakedi,S Tlou
7655		Clear Permit	0.25 hrs	Fri 19/05/23 10:30	Fri 19/05/23 10:45	7654	Operations
7656	**29C2RH01**	**# A1 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts etc)**	**22.25 hrs**	**Thu 04/05/23 21:00**	**Sun 07/05/23 08:15**		
7657		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
7658		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	7657	B Thuso,L Nakedi,S Tlou
7659		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	7658	B Thuso,L Nakedi,S Tlou
7660		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Fri 05/05/23 07:30	Fri 05/05/23 14:00	7659	B Thuso,L Nakedi,S Tlou
7661		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Fri 05/05/23 14:00	Sat 06/05/23 08:30	7660	B Thuso,L Nakedi,S Tlou
7662		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Sat 06/05/23 08:30	Sat 06/05/23 10:30	7661	B Thuso,L Nakedi,S Tlou
7663		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Sat 06/05/23 10:30	Sat 06/05/23 13:00	7662	B Thuso,L Nakedi,S Tlou
7664		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Sat 06/05/23 13:00	Sat 06/05/23 15:00	7663	B Thuso,L Nakedi,S Tlou
7665		Check For Cracks On The Tray And Repair Accordinly	1 hr	Sat 06/05/23 15:00	Sat 06/05/23 16:00	7664	B Thuso,L Nakedi,S Tlou
7666		Loosen And Remove The Back Cover For The Coil	1 hr	Sat 06/05/23 16:00	Sat 06/05/23 17:00	7665	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7667		Check The Springs For The Coil And Replace If Necessary	1 hr	Sat 06/05/23 17:00	Sat 06/05/23 18:00	7666	B Thuso,L Nakedi,S Tlou
7668		Replace The Back Cover And Secure	0.5 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:30	7667	B Thuso,L Nakedi,S Tlou
7669		Carry Out House Keeping	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	7668	B Thuso,L Nakedi,S Tlou
7670		Sign Of The Permit	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	7669	B Thuso,L Nakedi,S Tlou
7671		Clear Permit	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15	7670	Operations
7672	**29C2RH02**	**# A2 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts etc)**	**22.25 hrs**	**Sun 07/05/23 08:15**	**Tue 09/05/23 09:30**	**7656**	
7673		Make Out Permit	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30		Operations
7674		Accept Permit	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	7673	B Thuso,L Nakedi,S Tlou
7675		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	7674	B Thuso,L Nakedi,S Tlou
7676		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Sun 07/05/23 09:00	Sun 07/05/23 15:30	7675	B Thuso,L Nakedi,S Tlou
7677		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Sun 07/05/23 15:30	Mon 08/05/23 10:00	7676	B Thuso,L Nakedi,S Tlou
7678		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Mon 08/05/23 10:00	Mon 08/05/23 12:00	7677	B Thuso,L Nakedi,S Tlou
7679		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Mon 08/05/23 12:30	Mon 08/05/23 14:30	7678	B Thuso,L Nakedi,S Tlou
7680		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Mon 08/05/23 14:30	Mon 08/05/23 16:30	7679	B Thuso,L Nakedi,S Tlou
7681		Check For Cracks On The Tray And Repair Accordinly	1 hr	Mon 08/05/23 16:30	Mon 08/05/23 17:30	7680	B Thuso,L Nakedi,S Tlou
7682		Loosen And Remove The Back Cover For The Coil	1 hr	Mon 08/05/23 17:30	Tue 09/05/23 07:30	7681	B Thuso,L Nakedi,S Tlou
7683		Check The Springs For The Coil And Replace If Necessary	1 hr	Tue 09/05/23 07:30	Tue 09/05/23 08:30	7682	B Thuso,L Nakedi,S Tlou
7684		Replace The Back Cover And Secure	0.5 hrs	Tue 09/05/23 08:30	Tue 09/05/23 09:00	7683	B Thuso,L Nakedi,S Tlou
7685		Carry Out House Keeping	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15	7684	B Thuso,L Nakedi,S Tlou
7686		Clear Permit	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30	7685	Operations
7687	**29C2RH03**	**# A3 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts etc)**	**22.25 hrs**	**Tue 09/05/23 09:30**	**Thu 11/05/23 10:45**	**7672**	
7688		Make Out Permit	0.25 hrs	Tue 09/05/23 09:30	Tue 09/05/23 09:45		Operations
7689		Accept Permit	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	7688	B Thuso,L Nakedi,S Tlou
7690		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:15	7689	B Thuso,L Nakedi,S Tlou
7691		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Tue 09/05/23 10:15	Tue 09/05/23 16:45	7690	B Thuso,L Nakedi,S Tlou
7692		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Tue 09/05/23 16:45	Wed 10/05/23 11:15	7691	B Thuso,L Nakedi,S Tlou
7693		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Wed 10/05/23 11:15	Wed 10/05/23 13:45	7692	B Thuso,L Nakedi,S Tlou
7694		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Wed 10/05/23 13:45	Wed 10/05/23 15:45	7693	B Thuso,L Nakedi,S Tlou
7695		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Wed 10/05/23 15:45	Wed 10/05/23 17:45	7694	B Thuso,L Nakedi,S Tlou
7696		Check For Cracks On The Tray And Repair Accordinly	1 hr	Wed 10/05/23 17:45	Thu 11/05/23 07:45	7695	B Thuso,L Nakedi,S Tlou
7697		Loosen And Remove The Back Cover For The Coil	1 hr	Thu 11/05/23 07:45	Thu 11/05/23 08:45	7696	B Thuso,L Nakedi,S Tlou
7698		Check The Springs For The Coil And Replace If Necessary	1 hr	Thu 11/05/23 08:45	Thu 11/05/23 09:45	7697	B Thuso,L Nakedi,S Tlou
7699		Replace The Back Cover And Secure	0.5 hrs	Thu 11/05/23 09:45	Thu 11/05/23 10:15	7698	B Thuso,L Nakedi,S Tlou
7700		Carry Out House Keeping	0.25 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:30	7699	B Thuso,L Nakedi,S Tlou
7701		Clear Permit	0.25 hrs	Thu 11/05/23 10:30	Thu 11/05/23 10:45	7700	Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7702	**29C2RH04**	**# A4 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts etc)**	**22.25 hrs**	**Thu 11/05/23 10:45**	**Sat 13/05/23 12:00**	**7687**	
7703		Make Out Permit	0.25 hrs	Thu 11/05/23 10:45	Thu 11/05/23 11:00		Operations
7704		Accept Permit	0.25 hrs	Thu 11/05/23 11:00	Thu 11/05/23 11:15	7703	B Thuso,L Nakedi,S Tlou
7705		Carry Out Risk Assesment	0.25 hrs	Thu 11/05/23 11:15	Thu 11/05/23 11:30	7704	B Thuso,L Nakedi,S Tlou
7706		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Thu 11/05/23 11:30	Thu 11/05/23 18:00	7705	B Thuso,L Nakedi,S Tlou
7707		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Fri 12/05/23 07:00	Fri 12/05/23 13:00	7706	B Thuso,L Nakedi,S Tlou
7708		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Fri 12/05/23 13:00	Fri 12/05/23 15:00	7707	B Thuso,L Nakedi,S Tlou
7709		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Fri 12/05/23 15:00	Fri 12/05/23 17:00	7708	B Thuso,L Nakedi,S Tlou
7710		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Fri 12/05/23 17:00	Sat 13/05/23 08:00	7709	B Thuso,L Nakedi,S Tlou
7711		Check For Cracks On The Tray And Repair Accordinly	1 hr	Sat 13/05/23 08:00	Sat 13/05/23 09:00	7710	B Thuso,L Nakedi,S Tlou
7712		Loosen And Remove The Back Cover For The Coil	1 hr	Sat 13/05/23 09:00	Sat 13/05/23 10:00	7711	B Thuso,L Nakedi,S Tlou
7713		Check The Springs For The Coil And Replace If Necessary	1 hr	Sat 13/05/23 10:00	Sat 13/05/23 11:00	7712	B Thuso,L Nakedi,S Tlou
7714		Replace The Back Cover And Secure	0.5 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:30	7713	B Thuso,L Nakedi,S Tlou
7715		Carry Out House Keeping	0.25 hrs	Sat 13/05/23 11:30	Sat 13/05/23 11:45	7714	B Thuso,L Nakedi,S Tlou
7716		Clear Permit	0.25 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:00	7715	Operations
7717	**29C2GF03**	**# A3 PRE - Roller Crusher Carry Out Inspection And Service**	**12.75 hrs**	**Thu 04/05/23 21:00**	**Sat 06/05/23 09:15**		
7718		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
7719		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	7718	B Thuso,L Nakedi,S Tlou
7720		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	7719	B Thuso,L Nakedi,S Tlou
7721		Remove Covers	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	7720	B Thuso,L Nakedi,S Tlou
7722		Drain Gearbox Oil	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	7721	B Thuso,L Nakedi,S Tlou
7723		Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Fri 05/05/23 08:30	Fri 05/05/23 09:30	7722	B Thuso,L Nakedi,S Tlou
7724		Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Fri 05/05/23 09:30	Fri 05/05/23 10:00	7723	B Thuso,L Nakedi,S Tlou
7725		Replace Cover Seal And Close The Reservoir	0.5 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:30	7724	B Thuso,L Nakedi,S Tlou
7726		Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct	1 hr	Fri 05/05/23 10:30	Fri 05/05/23 11:30	7725	B Thuso,L Nakedi,S Tlou
7727		Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Fri 05/05/23 11:30	Fri 05/05/23 12:00	7726	B Thuso,L Nakedi,S Tlou
7728		Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Fri 05/05/23 12:30	Fri 05/05/23 13:00	7727	B Thuso,L Nakedi,S Tlou
7729		Grease All Bearings	1 hr	Fri 05/05/23 13:00	Fri 05/05/23 14:00	7728	B Thuso,L Nakedi,S Tlou
7730		Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:30	7729	B Thuso,L Nakedi,S Tlou
7731		Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Fri 05/05/23 14:30	Fri 05/05/23 16:30	7730	B Thuso,L Nakedi,S Tlou
7732		Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Fri 05/05/23 16:30	Fri 05/05/23 17:00	7731	B Thuso,L Nakedi,S Tlou
7733		Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Fri 05/05/23 17:00	Fri 05/05/23 18:00	7732	B Thuso,L Nakedi,S Tlou
7734		Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:30	7733	B Thuso,L Nakedi,S Tlou
7735		Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Sat 06/05/23 07:30	Sat 06/05/23 08:00	7734	B Thuso,L Nakedi,S Tlou
7736		Apply Sealant And Close All Side Covers	0.5 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:30	7735	B Thuso,L Nakedi,S Tlou
7737		Carry Out Housekeeping	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	7736	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7738		Sign Off The Permit	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	7737	B Thuso,L Nakedi,S Tlou
7739		Clear The Permit	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15	7738	B Thuso,L Nakedi,S Tlou
7740	**29C2GF04**	**# A2 PRE - Roller Crusher Carry Out Inspection And Service**	**12.75 hrs**	**Thu 04/05/23 21:00**	**Sat 06/05/23 09:15**		
7741		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
7742		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	7741	B Thuso,L Nakedi,S Tlou
7743		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	7742	B Thuso,L Nakedi,S Tlou
7744		Remove Covers	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	7743	B Thuso,L Nakedi,S Tlou
7745		Drain Gearbox Oil	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	7744	B Thuso,L Nakedi,S Tlou
7746		Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Fri 05/05/23 08:30	Fri 05/05/23 09:30	7745	B Thuso,L Nakedi,S Tlou
7747		Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Fri 05/05/23 09:30	Fri 05/05/23 10:00	7746	B Thuso,L Nakedi,S Tlou
7748		Replace Cover Seal And Close The Reservoir	0.5 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:30	7747	B Thuso,L Nakedi,S Tlou
7749		Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct	1 hr	Fri 05/05/23 10:30	Fri 05/05/23 11:30	7748	B Thuso,L Nakedi,S Tlou
7750		Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Fri 05/05/23 11:30	Fri 05/05/23 12:00	7749	B Thuso,L Nakedi,S Tlou
7751		Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Fri 05/05/23 12:30	Fri 05/05/23 13:00	7750	B Thuso,L Nakedi,S Tlou
7752		Grease All Bearings	1 hr	Fri 05/05/23 13:00	Fri 05/05/23 14:00	7751	B Thuso,L Nakedi,S Tlou
7753		Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:30	7752	B Thuso,L Nakedi,S Tlou
7754		Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Fri 05/05/23 14:30	Fri 05/05/23 16:30	7753	B Thuso,L Nakedi,S Tlou
7755		Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Fri 05/05/23 16:30	Fri 05/05/23 17:00	7754	B Thuso,L Nakedi,S Tlou
7756		Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Fri 05/05/23 17:00	Fri 05/05/23 18:00	7755	B Thuso,L Nakedi,S Tlou
7757		Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:30	7756	B Thuso,L Nakedi,S Tlou
7758		Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Sat 06/05/23 07:30	Sat 06/05/23 08:00	7757	B Thuso,L Nakedi,S Tlou
7759		Apply Sealant And Close All Side Covers	0.5 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:30	7758	B Thuso,L Nakedi,S Tlou
7760		Carry Out Housekeeping	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	7759	B Thuso,L Nakedi,S Tlou
7761		Sign Off The Permit	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	7760	B Thuso,L Nakedi,S Tlou
7762		Clear The Permit	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15	7761	B Thuso,L Nakedi,S Tlou
7763	**29C2GF05**	**# A4 PRE - Roller Crusher Overhaul Crusher**	**44 hrs**	**Sat 06/05/23 17:00**	**Thu 11/05/23 08:00**	**7565,9914**	
7764		Make Out Permit	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15		Operations
7765		Accept Permit	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	7764	B Thuso,L Nakedi,S Tlou
7766		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 17:30	Sat 06/05/23 17:45	7765	B Thuso,L Nakedi,S Tlou
7767		Loosen And Remove The Vibrating Feeder Rubber Bellows	1 hr	Sat 06/05/23 17:45	Sun 07/05/23 07:45	7766	B Thuso,L Nakedi,S Tlou
7768		Support The Vibrating Feeder With A Chain Block	1 hr	Sun 07/05/23 07:45	Sun 07/05/23 08:45	7767	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7769		Loosen And Remove The Mounting Bolts For The Feeder	0.5 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:15	7768	B Thuso,L Nakedi,S Tlou
7770		Lift A Vibrating Feeder To Create Clearance Between The Feeder And The Chute	0.5 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:45	7769	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7771		Disconnect Underspeed Sensors And Proximity Switches	0.5 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:15	7770	L Majoo,Electrician1
7772		Remove The Mounting Bolts For The Chute And Rig It Out.	1 hr	Sun 07/05/23 10:15	Sun 07/05/23 11:15	7771	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7773		Remove The V Belts Guard	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30	7772	B Thuso,L Nakedi,S Tlou
7774		Slack The Motor And Remove The V Belts	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	7773	B Thuso,L Nakedi,S Tlou
7775		Support The Motor With A Chain Block And Remove The Motor Mounting Bolts	1 hr	Sun 07/05/23 11:45	Sun 07/05/23 13:15	7774	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7776		Lower The Motor To Suitable Position	0.25 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:30	7775	G Moeseraela,T Moloi

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7777		Isolate Air To The Cylinder And Disconnect The Pipes	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	7776	B Thuso,L Nakedi,S Tlou
7778		Remove The Crusher Mounting Bolts	0.5 hrs	Sun 07/05/23 13:45	Sun 07/05/23 14:15	7777	B Thuso,L Nakedi,S Tlou
7779		Rig Out The Crusher Then Take It The Washing Bay,Clean And Transport To The Workshop	2 hrs	Sun 07/05/23 14:15	Sun 07/05/23 16:15	7778	G Moeseraela,T Moloi
7780		Prepare A Work Bench For Carrying Out Overhaul	0.25 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:30	7779	B Thuso,L Nakedi,S Tlou
7781		Remove The Roll Pack From The Frame And Drain Oil	2 hrs	Sun 07/05/23 16:30	Mon 08/05/23 07:30	7780	B Thuso,L Nakedi,S Tlou
7782		Remove The Front Panel Of The Wheel Guard	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	7781	B Thuso,L Nakedi,S Tlou
7783		Pull Out The Gears	2 hrs	Mon 08/05/23 07:45	Mon 08/05/23 09:45	7782	B Thuso,L Nakedi,S Tlou
7784		Remove The Clamping Strip From The Bellow On The Loose Roll	0.5 hrs	Mon 08/05/23 09:45	Mon 08/05/23 10:15	7783	B Thuso,L Nakedi,S Tlou
7785		Loosen The Nuts Of The Wheel Guard Support Bolts	0.5 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:45	7784	B Thuso,L Nakedi,S Tlou
7786		Carefully Withdraw The Wheel Guard From The Shaft Of The Of The Working R	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00	7785	B Thuso,L Nakedi,S Tlou
7787		Remove The V Belt Pulleys	1 hr	Mon 08/05/23 11:00	Mon 08/05/23 12:00	7786	B Thuso,L Nakedi,S Tlou
7788		Remove The Bearings Using The Detaching Device And Hydraulic Pump(4Off)	2 hrs	Mon 08/05/23 12:30	Mon 08/05/23 14:30	7787	B Thuso,L Nakedi,S Tlou
7789		Loosen The Disc From The Accentric Shaft On The Side Opposite The Compressed Air Cylinder And Withdraw The Pull Strap With Adjustingshafts From The Eccentric Shaft	0.5 hrs	Mon 08/05/23 14:30	Mon 08/05/23 15:00	7788	B Thuso,L Nakedi,S Tlou
7790		Remove Sideways The Bearing Casing,Inner Bearing Cover,Sealing Ring And Filling Sheets	2 hrs	Mon 08/05/23 15:00	Mon 08/05/23 17:00	7789	B Thuso,L Nakedi,S Tlou
7791		Clean All The Components And Inspect,Then Replace If Necessary	1 hr	Mon 08/05/23 17:00	Mon 08/05/23 18:00	7790	B Thuso,L Nakedi,S Tlou
7792		Ensure That The Flutes Are In The Correct Position	0.5 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:30	7791	B Thuso,L Nakedi,S Tlou
7793		Position The Filling Covers On The Rolls	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	7792	B Thuso,L Nakedi,S Tlou
7794		Install The Sealing Ring	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	7793	B Thuso,L Nakedi,S Tlou
7795		Inset The Inner Bearing Cover	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	7794	B Thuso,L Nakedi,S Tlou
7796		Mount Locating Ring	0.25 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:30	7795	B Thuso,L Nakedi,S Tlou
7797		Install Bearings Both Sides And Set Clearance Between 0.03-0.05 On The Drive Side And Lock Nut(4 0Ff)	2 hrs	Tue 09/05/23 08:30	Tue 09/05/23 10:30	7796	B Thuso,L Nakedi,S Tlou
7798		Replace Bearing Housing Ensuring That Grease Points Are Inline	1 hr	Tue 09/05/23 10:30	Tue 09/05/23 11:30	7797	B Thuso,L Nakedi,S Tlou
7799		Replace The End Covers And Box	1 hr	Tue 09/05/23 11:30	Tue 09/05/23 13:00	7798	B Thuso,L Nakedi,S Tlou
7800		Replace O Ring In The Sleeves And Slide Sleeves On The Shaft	1 hr	Tue 09/05/23 13:00	Tue 09/05/23 14:00	7799	B Thuso,L Nakedi,S Tlou
7801		Replace The Oil Tank And Secure	1 hr	Tue 09/05/23 14:00	Tue 09/05/23 15:00	7800	B Thuso,L Nakedi,S Tlou
7802		Install Gears And Lock Them	1 hr	Tue 09/05/23 15:00	Tue 09/05/23 16:00	7801	B Thuso,L Nakedi,S Tlou
7803		Close The Resevoir	0.5 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:30	7802	B Thuso,L Nakedi,S Tlou
7804		Replace The Drive Pulley And Lock It,Then Install The Underspeed Actuator	1 hr	Tue 09/05/23 16:30	Tue 09/05/23 17:30	7803	B Thuso,L Nakedi,S Tlou
7805		Install Eccentric Shaft	1 hr	Tue 09/05/23 17:30	Wed 10/05/23 07:30	7804	B Thuso,L Nakedi,S Tlou
7806		Replace Adjusting Mechanism	1 hr	Wed 10/05/23 07:30	Wed 10/05/23 08:30	7805	B Thuso,L Nakedi,S Tlou
7807		Install Pneumatic Cylinder And Set The Crusher Gap When The Cylinder Is In A Retracted Position	0.5 hrs	Wed 10/05/23 08:30	Wed 10/05/23 09:00	7806	B Thuso,L Nakedi,S Tlou
7808		Install The Roll Assembly In The Frame	1.5 hrs	Wed 10/05/23 09:00	Wed 10/05/23 10:30	7807	B Thuso,L Nakedi,S Tlou
7809		Install Scraper And Adjust	0.5 hrs	Wed 10/05/23 10:30	Wed 10/05/23 11:00	7808	B Thuso,L Nakedi,S Tlou
7810		Transport To The Plant And Rig In Position And Secure	2.5 hrs	Wed 10/05/23 11:00	Wed 10/05/23 14:00	7809	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7811		Install The Chute And Secure	1 hr	Wed 10/05/23 14:00	Wed 10/05/23 15:00	7810	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7812		Lower The Vibrating Feeder And Secure	0.5 hrs	Wed 10/05/23 15:00	Wed 10/05/23 15:30	7811	B Thuso,L Nakedi,S Tlou,G Moeseraela,

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7813		Install The Motor And Align The Pulleys	1 hr	Wed 10/05/23 15:30	Wed 10/05/23 16:30	7812	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7814		Replace V Belts Spb 16Nx2530 Tension To The Correct Force And Deflection(5 Off)	0.5 hrs	Wed 10/05/23 16:30	Wed 10/05/23 17:00	7813	B Thuso,L Nakedi,S Tlou
7815		Replace The Guard	0.25 hrs	Wed 10/05/23 17:00	Wed 10/05/23 17:15	7814	B Thuso,L Nakedi,S Tlou
7816		Connect Under Speed Sensors	0.5 hrs	Wed 10/05/23 17:15	Wed 10/05/23 17:45	7815	L Majoo,Electrician1
7817		Box Up The Crusher	0.5 hrs	Wed 10/05/23 17:45	Thu 11/05/23 07:15	7816	B Thuso,L Nakedi,S Tlou
7818		Refill To The Correct Level Gen Gear 680	0.5 hrs	Thu 11/05/23 07:15	Thu 11/05/23 07:45	7817	B Thuso,L Nakedi,S Tlou
7819		Carry House Keeping	0.25 hrs	Thu 11/05/23 07:45	Thu 11/05/23 08:00	7818	B Thuso,L Nakedi,S Tlou
7820		Clear Permit	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15		B Thuso,L Nakedi,S Tlou
7821	**29C2GF06**	**# A4 PRE - Roller Crusher Overhaul Crusher**	**44 hrs**	**Sun 07/05/23 16:15**	**Fri 12/05/23 07:15**	**7779**	
7822		Make Out Permit	0.25 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:30		Operations
7823		Accept Permit	0.25 hrs	Sun 07/05/23 16:30	Sun 07/05/23 16:45	7822	B Thuso,L Nakedi,S Tlou
7824		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:00	7823	B Thuso,L Nakedi,S Tlou
7825		Loosen And Remove The Vibrating Feeder Rubber Bellows	1 hr	Sun 07/05/23 17:00	Sun 07/05/23 18:00	7824	B Thuso,L Nakedi,S Tlou
7826		Support The Vibrating Feeder With A Chain Block	1 hr	Mon 08/05/23 07:00	Mon 08/05/23 08:00	7825	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7827		Loosen And Remove The Mounting Bolts For The Feeder	0.5 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:30	7826	B Thuso,L Nakedi,S Tlou
7828		Lift A Vibrating Feeder To Create Clearance Between The Feeder And The Chute	0.5 hrs	Mon 08/05/23 08:30	Mon 08/05/23 09:00	7827	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7829		Disconnect Underspeed Sensors And Proximity Switches	0.5 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:30	7828	L Majoo,Electrician1
7830		Remove The Mounting Bolts For The Chute And Rig It Out.	1 hr	Mon 08/05/23 09:30	Mon 08/05/23 10:30	7829	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7831		Remove The V Belts Guard	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45	7830	B Thuso,L Nakedi,S Tlou
7832		Slack The Motor And Remove The V Belts	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00	7831	B Thuso,L Nakedi,S Tlou
7833		Support The Motor With A Chain Block And Remove The Motor Mounting Bolts	1 hr	Mon 08/05/23 11:00	Mon 08/05/23 12:00	7832	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7834		Lower The Motor To Suitable Position	0.25 hrs	Mon 08/05/23 12:30	Mon 08/05/23 12:45	7833	G Moeseraela,T Moloi
7835		Isolate Air To The Cylinder And Disconnect The Pipes	0.25 hrs	Mon 08/05/23 12:45	Mon 08/05/23 13:00	7834	B Thuso,L Nakedi,S Tlou
7836		Remove The Crusher Mounting Bolts	0.5 hrs	Mon 08/05/23 13:00	Mon 08/05/23 13:30	7835	B Thuso,L Nakedi,S Tlou
7837		Rig Out The Crusher Then Take It The Washing Bay,Clean And Transport To The Workshop	2 hrs	Mon 08/05/23 13:30	Mon 08/05/23 15:30	7836	G Moeseraela,T Moloi
7838		Prepare A Work Bench For Carrying Out Overhaul	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	7837	B Thuso,L Nakedi,S Tlou
7839		Remove The Roll Pack From The Frame And Drain Oil	2 hrs	Mon 08/05/23 15:45	Mon 08/05/23 17:45	7838	B Thuso,L Nakedi,S Tlou
7840		Remove The Front Panel Of The Wheel Guard	0.25 hrs	Mon 08/05/23 17:45	Mon 08/05/23 18:00	7839	B Thuso,L Nakedi,S Tlou
7841		Pull Out The Gears	2 hrs	Tue 09/05/23 07:00	Tue 09/05/23 09:00	7840	B Thuso,L Nakedi,S Tlou
7842		Remove The Clamping Strip From The Bellow On The Loose Roll	0.5 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:30	7841	B Thuso,L Nakedi,S Tlou
7843		Loosen The Nuts Of The Wheel Guard Support Bolts	0.5 hrs	Tue 09/05/23 09:30	Tue 09/05/23 10:00	7842	B Thuso,L Nakedi,S Tlou
7844		Carefully Withdraw The Wheel Guard From The Shaft Of The Of The Working R	0.25 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:15	7843	B Thuso,L Nakedi,S Tlou
7845		Remove The V Belt Pulleys	1 hr	Tue 09/05/23 10:15	Tue 09/05/23 11:15	7844	B Thuso,L Nakedi,S Tlou
7846		Remove The Bearings Using The Detaching Device And Hydraulic Pump(4Off)	2 hrs	Tue 09/05/23 11:15	Tue 09/05/23 13:45	7845	B Thuso,L Nakedi,S Tlou
7847		Loosen The Disc From The Accentric Shaft On The Side Opposite The Compressed Air Cylinder And Withdraw The Pull Strap With Adjustingshafts From The Eccentric Shaft	0.5 hrs	Tue 09/05/23 13:45	Tue 09/05/23 14:15	7846	B Thuso,L Nakedi,S Tlou
7848		Remove Sideways The Bearing Casing,Inner Bearing Cover,Sealing Ring And Filling Sheets	2 hrs	Tue 09/05/23 14:15	Tue 09/05/23 16:15	7847	B Thuso,L Nakedi,S Tlou
7849		Clean All The Components And Inspect,Then Replace If Necessary	1 hr	Tue 09/05/23 16:15	Tue 09/05/23 17:15	7848	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7850		Ensure That The Flutes Are In The Correct Position	0.5 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:45	7849	B Thuso,L Nakedi,S Tlou
7851		Position The Filling Covers On The Rolls	0.25 hrs	Tue 09/05/23 17:45	Tue 09/05/23 18:00	7850	B Thuso,L Nakedi,S Tlou
7852		Install The Sealing Ring	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	7851	B Thuso,L Nakedi,S Tlou
7853		Inset The Inner Bearing Cover	0.25 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:30	7852	B Thuso,L Nakedi,S Tlou
7854		Mount Locating Ring	0.25 hrs	Wed 10/05/23 07:30	Wed 10/05/23 07:45	7853	B Thuso,L Nakedi,S Tlou
7855		Install Bearings Both Sides And Set Clearance Between 0.03-0.05 On The Drive Side And Lock Nut(4 0Ff)	2 hrs	Wed 10/05/23 07:45	Wed 10/05/23 09:45	7854	B Thuso,L Nakedi,S Tlou
7856		Replace Bearing Housing Ensuring That Grease Points Are Inline	1 hr	Wed 10/05/23 09:45	Wed 10/05/23 10:45	7855	B Thuso,L Nakedi,S Tlou
7857		Replace The End Covers And Box	1 hr	Wed 10/05/23 10:45	Wed 10/05/23 11:45	7856	B Thuso,L Nakedi,S Tlou
7858		Replace O Ring In The Sleeves And Slide Sleeves On The Shaft	1 hr	Wed 10/05/23 11:45	Wed 10/05/23 13:15	7857	B Thuso,L Nakedi,S Tlou
7859		Replace The Oil Tank And Secure	1 hr	Wed 10/05/23 13:15	Wed 10/05/23 14:15	7858	B Thuso,L Nakedi,S Tlou
7860		Install Gears And Lock Them	1 hr	Wed 10/05/23 14:15	Wed 10/05/23 15:15	7859	B Thuso,L Nakedi,S Tlou
7861		Close The Resevoir	0.5 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:45	7860	B Thuso,L Nakedi,S Tlou
7862		Replace The Drive Pulley And Lock It,Then Install The Underspeed Actuator	1 hr	Wed 10/05/23 15:45	Wed 10/05/23 16:45	7861	B Thuso,L Nakedi,S Tlou
7863		Install Eccentric Shaft	1 hr	Wed 10/05/23 16:45	Wed 10/05/23 17:45	7862	B Thuso,L Nakedi,S Tlou
7864		Replace Adjusting Mechanism	1 hr	Wed 10/05/23 17:45	Thu 11/05/23 07:45	7863	B Thuso,L Nakedi,S Tlou
7865		Install Pneumatic Cylinder And Set The Crusher Gap When The Cylinder Is In A Retracted Position	0.5 hrs	Thu 11/05/23 07:45	Thu 11/05/23 08:15	7864	B Thuso,L Nakedi,S Tlou
7866		Install The Roll Assembly In The Frame	1.5 hrs	Thu 11/05/23 08:15	Thu 11/05/23 09:45	7865	B Thuso,L Nakedi,S Tlou
7867		Install Scraper And Adjust	0.5 hrs	Thu 11/05/23 09:45	Thu 11/05/23 10:15	7866	B Thuso,L Nakedi,S Tlou
7868		Transport To The Plant And Rig In Position And Secure	2.5 hrs	Thu 11/05/23 10:15	Thu 11/05/23 13:15	7867	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7869		Install The Chute And Secure	1 hr	Thu 11/05/23 13:15	Thu 11/05/23 14:15	7868	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7870		Lower The Vibrating Feeder And Secure	0.5 hrs	Thu 11/05/23 14:15	Thu 11/05/23 14:45	7869	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7871		Install The Motor And Align The Pulleys	1 hr	Thu 11/05/23 14:45	Thu 11/05/23 15:45	7870	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7872		Replace V Belts Spb 16Nx2530 Tension To The Correct Force And Deflection(5 Off)	0.5 hrs	Thu 11/05/23 15:45	Thu 11/05/23 16:15	7871	B Thuso,L Nakedi,S Tlou
7873		Replace The Guard	0.25 hrs	Thu 11/05/23 16:15	Thu 11/05/23 16:30	7872	B Thuso,L Nakedi,S Tlou
7874		Connect Under Speed Sensors	0.5 hrs	Thu 11/05/23 16:30	Thu 11/05/23 17:00	7873	L Majoo,Electrician1
7875		Box Up The Crusher	0.5 hrs	Thu 11/05/23 17:00	Thu 11/05/23 17:30	7874	B Thuso,L Nakedi,S Tlou
7876		Refill To The Correct Level Gen Gear 680	0.5 hrs	Thu 11/05/23 17:30	Thu 11/05/23 18:00	7875	B Thuso,L Nakedi,S Tlou
7877		Carry House Keeping	0.25 hrs	Fri 12/05/23 07:00	Fri 12/05/23 07:15	7876	B Thuso,L Nakedi,S Tlou
7878		Clear Permit	0.25 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:30		B Thuso,L Nakedi,S Tlou
7879	**29C2GN01**	**# A1 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**13.5 hrs**	**Thu 04/05/23 21:00**	**Sat 06/05/23 10:00**		
7880		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
7881		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	7880	B Thuso,L Nakedi,S Tlou
7882		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	7881	B Thuso,L Nakedi,S Tlou
7883		Remove Guards For The Drive Chain	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	7882	B Thuso,L Nakedi,S Tlou
7884		Open The Bonnets And Front Cover	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	7883	B Thuso,L Nakedi,S Tlou
7885		Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	7884	B Thuso,L Nakedi,S Tlou
7886		Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Fri 05/05/23 09:00	Fri 05/05/23 10:00	7885	B Thuso,L Nakedi,S Tlou
7887		Slack The Chain	0.5 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:30	7886	B Thuso,L Nakedi,S Tlou
7888		Check The Profile Ledges And Replace If Ncessary	1 hr	Fri 05/05/23 10:30	Fri 05/05/23 11:30	7887	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7889		Replace The Tensioning Ledges And Secure	1 hr	Fri 05/05/23 11:30	Fri 05/05/23 13:00	7888	B Thuso,L Nakedi,S Tlou
7890		Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:30	7889	B Thuso,L Nakedi,S Tlou
7891		Check Beater Bars For Wear On The Journals	0.5 hrs	Fri 05/05/23 13:30	Fri 05/05/23 14:00	7890	B Thuso,L Nakedi,S Tlou
7892		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Fri 05/05/23 14:00	Fri 05/05/23 17:45	7891	B Thuso,L Nakedi,S Tlou
7893		Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Fri 05/05/23 17:45	Sat 06/05/23 07:15	7892	B Thuso,L Nakedi,S Tlou
7894		Check The Cleaning Drive Bushes For Wear	0.5 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:45	7893	B Thuso,L Nakedi,S Tlou
7895		Close The Rear Cover	0.5 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:15	7894	B Thuso,L Nakedi,S Tlou
7896		Close The Front Cover	0.5 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:45	7895	B Thuso,L Nakedi,S Tlou
7897		Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:15	7896	B Thuso,L Nakedi,S Tlou
7898		Stop The Screen And Colse All Covers	0.5 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:45	7897	B Thuso,L Nakedi,S Tlou
7899		Clear Permit	0.25 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:00	7898	B Thuso,L Nakedi,S Tlou
7900	**29C2GN02**	**# A2 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**14 hrs**	**Sat 06/05/23 10:00**	**Sun 07/05/23 14:00**	**7879**	
7901		Make Out Permit	0.25 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:15		Operations
7902		Accept Permit	0.25 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:30	7901	B Thuso,L Nakedi,S Tlou
7903		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45	7902	B Thuso,L Nakedi,S Tlou
7904		Remove Guards For The Drive Chain	0.5 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:15	7903	B Thuso,L Nakedi,S Tlou
7905		Open The Bonnets And Front Cover	0.5 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:45	7904	B Thuso,L Nakedi,S Tlou
7906		Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:45	7905	B Thuso,L Nakedi,S Tlou
7907		Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Sat 06/05/23 12:45	Sat 06/05/23 13:45	7906	B Thuso,L Nakedi,S Tlou
7908		Slack The Chain	0.5 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:15	7907	B Thuso,L Nakedi,S Tlou
7909		Check The Profile Ledges And Replace If Ncessary	1 hr	Sat 06/05/23 14:15	Sat 06/05/23 15:15	7908	B Thuso,L Nakedi,S Tlou
7910		Replace The Tensioning Ledges And Secure	1 hr	Sat 06/05/23 15:15	Sat 06/05/23 16:15	7909	B Thuso,L Nakedi,S Tlou
7911		Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:45	7910	B Thuso,L Nakedi,S Tlou
7912		Check Beater Bars For Wear On The Journals	0.5 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:15	7911	B Thuso,L Nakedi,S Tlou
7913		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Sat 06/05/23 17:15	Sun 07/05/23 10:00	7912	B Thuso,L Nakedi,S Tlou
7914		Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:30	7913	B Thuso,L Nakedi,S Tlou
7915		Check The Cleaning Drive Bushes For Wear	0.5 hrs	Sun 07/05/23 10:30	Sun 07/05/23 11:00	7914	B Thuso,L Nakedi,S Tlou
7916		Close The Rear Cover	0.5 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:30	7915	B Thuso,L Nakedi,S Tlou
7917		Close The Front Cover	0.5 hrs	Sun 07/05/23 11:30	Sun 07/05/23 12:00	7916	B Thuso,L Nakedi,S Tlou
7918		Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Sun 07/05/23 12:30	Sun 07/05/23 13:00	7917	B Thuso,L Nakedi,S Tlou
7919		Stop The Screen And Colse All Covers	0.5 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:30	7918	B Thuso,L Nakedi,S Tlou
7920		Sign Off The Permit	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	7919	B Thuso,L Nakedi,S Tlou
7921		Clear Permit	0.25 hrs	Sun 07/05/23 13:45	Sun 07/05/23 14:00	7920	B Thuso,L Nakedi,S Tlou
7922	**29C2GN03**	**# A3 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**14 hrs**	**Sun 07/05/23 14:00**	**Mon 08/05/23 17:30**	**7900**	
7923		Make Out Permit	0.25 hrs	Sun 07/05/23 14:00	Sun 07/05/23 14:15		Operations
7924		Accept Permit	0.25 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:30	7923	B Thuso,L Nakedi,S Tlou
7925		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:45	7924	B Thuso,L Nakedi,S Tlou
7926		Remove Guards For The Drive Chain	0.5 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:15	7925	B Thuso,L Nakedi,S Tlou
7927		Open The Bonnets And Front Cover	0.5 hrs	Sun 07/05/23 15:15	Sun 07/05/23 15:45	7926	B Thuso,L Nakedi,S Tlou
7928		Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Sun 07/05/23 15:45	Sun 07/05/23 16:15	7927	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7929		Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Sun 07/05/23 16:15	Sun 07/05/23 17:15	7928	B Thuso,L Nakedi,S Tlou
7930		Slack The Chain	0.5 hrs	Sun 07/05/23 17:15	Sun 07/05/23 17:45	7929	B Thuso,L Nakedi,S Tlou
7931		Check The Profile Ledges And Replace If Ncessary	1 hr	Sun 07/05/23 17:45	Mon 08/05/23 07:45	7930	B Thuso,L Nakedi,S Tlou
7932		Replace The Tensioning Ledges And Secure	1 hr	Mon 08/05/23 07:45	Mon 08/05/23 08:45	7931	B Thuso,L Nakedi,S Tlou
7933		Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:15	7932	B Thuso,L Nakedi,S Tlou
7934		Check Beater Bars For Wear On The Journals	0.5 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:45	7933	B Thuso,L Nakedi,S Tlou
7935		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Mon 08/05/23 09:45	Mon 08/05/23 14:00	7934	B Thuso,L Nakedi,S Tlou
7936		Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:30	7935	B Thuso,L Nakedi,S Tlou
7937		Check The Cleaning Drive Bushes For Wear	0.5 hrs	Mon 08/05/23 14:30	Mon 08/05/23 15:00	7936	B Thuso,L Nakedi,S Tlou
7938		Close The Rear Cover	0.5 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:30	7937	B Thuso,L Nakedi,S Tlou
7939		Close The Front Cover	0.5 hrs	Mon 08/05/23 15:30	Mon 08/05/23 16:00	7938	B Thuso,L Nakedi,S Tlou
7940		Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Mon 08/05/23 16:00	Mon 08/05/23 16:30	7939	B Thuso,L Nakedi,S Tlou
7941		Stop The Screen And Colse All Covers	0.5 hrs	Mon 08/05/23 16:30	Mon 08/05/23 17:00	7940	B Thuso,L Nakedi,S Tlou
7942		Sign Off The Permit	0.25 hrs	Mon 08/05/23 17:00	Mon 08/05/23 17:15	7941	B Thuso,L Nakedi,S Tlou
7943		Clear Permit	0.25 hrs	Mon 08/05/23 17:15	Mon 08/05/23 17:30	7942	B Thuso,L Nakedi,S Tlou
7944	**29C2GN04**	**# A4 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**14 hrs**	**Mon 08/05/23 17:30**	**Wed 10/05/23 10:00**	**7922**	
7945		Make Out Permit	0.25 hrs	Mon 08/05/23 17:30	Mon 08/05/23 17:45		Operations
7946		Accept Permit	0.25 hrs	Mon 08/05/23 17:45	Mon 08/05/23 18:00	7945	B Thuso,L Nakedi,S Tlou
7947		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	7946	B Thuso,L Nakedi,S Tlou
7948		Remove Guards For The Drive Chain	0.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:45	7947	B Thuso,L Nakedi,S Tlou
7949		Open The Bonnets And Front Cover	0.5 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:15	7948	B Thuso,L Nakedi,S Tlou
7950		Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:45	7949	B Thuso,L Nakedi,S Tlou
7951		Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Tue 09/05/23 08:45	Tue 09/05/23 09:45	7950	B Thuso,L Nakedi,S Tlou
7952		Slack The Chain	0.5 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:15	7951	B Thuso,L Nakedi,S Tlou
7953		Check The Profile Ledges And Replace If Ncessary	1 hr	Tue 09/05/23 10:15	Tue 09/05/23 11:15	7952	B Thuso,L Nakedi,S Tlou
7954		Replace The Tensioning Ledges And Secure	1 hr	Tue 09/05/23 11:15	Tue 09/05/23 12:45	7953	B Thuso,L Nakedi,S Tlou
7955		Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Tue 09/05/23 12:45	Tue 09/05/23 13:15	7954	B Thuso,L Nakedi,S Tlou
7956		Check Beater Bars For Wear On The Journals	0.5 hrs	Tue 09/05/23 13:15	Tue 09/05/23 13:45	7955	B Thuso,L Nakedi,S Tlou
7957		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Tue 09/05/23 13:45	Tue 09/05/23 17:30	7956	B Thuso,L Nakedi,S Tlou
7958		Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Tue 09/05/23 17:30	Tue 09/05/23 18:00	7957	B Thuso,L Nakedi,S Tlou
7959		Check The Cleaning Drive Bushes For Wear	0.5 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:30	7958	B Thuso,L Nakedi,S Tlou
7960		Close The Rear Cover	0.5 hrs	Wed 10/05/23 07:30	Wed 10/05/23 08:00	7959	B Thuso,L Nakedi,S Tlou
7961		Close The Front Cover	0.5 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:30	7960	B Thuso,L Nakedi,S Tlou
7962		Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Wed 10/05/23 08:30	Wed 10/05/23 09:00	7961	B Thuso,L Nakedi,S Tlou
7963		Stop The Screen And Colse All Covers	0.5 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:30	7962	B Thuso,L Nakedi,S Tlou
7964		Sign Off The Permit	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45	7963	B Thuso,L Nakedi,S Tlou
7965		Clear Permit	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00	7964	B Thuso,L Nakedi,S Tlou
7966	**29C2GF07**	**# A1 FINE ROLLER CRUSHER - Overhaul Crusher**	**44.5 hrs**	**Tue 09/05/23 16:45**	**Sun 14/05/23 08:15**	**9168**	
7967		Make Out Permit	0.25 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:00		Operations
7968		Accept Permit	0.25 hrs	Tue 09/05/23 17:00	Tue 09/05/23 17:15	7967	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7969		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:30	7968	B Thuso,L Nakedi,S Tlou
7970		Loosen And Remove The Vibrating Feeder Rubber Bellows	1 hr	Tue 09/05/23 17:30	Wed 10/05/23 07:30	7969	B Thuso,L Nakedi,S Tlou
7971		Support The Vibrating Feeder With A Chain Block	1 hr	Wed 10/05/23 07:30	Wed 10/05/23 08:30	7970	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7972		Loosen And Remove The Mounting Bolts For The Feeder	0.5 hrs	Wed 10/05/23 08:30	Wed 10/05/23 09:00	7971	B Thuso,L Nakedi,S Tlou
7973		Lift A Vibrating Feeder To Create Clearance Between The Feeder And The Chute	0.5 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:30	7972	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7974		Disconnect Underspeed Sensors And Proximity Switches	0.5 hrs	Wed 10/05/23 09:30	Wed 10/05/23 10:00	7973	L Majoo,Electrician1
7975		Remove The Mounting Bolts For The Chute And Rig It Out.	1 hr	Wed 10/05/23 10:00	Wed 10/05/23 11:00	7974	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7976		Remove The V Belts Guard	0.25 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:15	7975	B Thuso,L Nakedi,S Tlou
7977		Slack The Motor And Remove The V Belts	0.25 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:30	7976	B Thuso,L Nakedi,S Tlou
7978		Support The Motor With A Chain Block And Remove The Motor Mounting Bolts	1 hr	Wed 10/05/23 11:30	Wed 10/05/23 13:00	7977	B Thuso,L Nakedi,S Tlou,G Moeseraela,
7979		Lower The Motor To Suitable Position	0.25 hrs	Wed 10/05/23 13:00	Wed 10/05/23 13:15	7978	G Moeseraela,T Moloi
7980		Isolate Air To The Cylinder And Disconnect The Pipes	0.25 hrs	Wed 10/05/23 13:15	Wed 10/05/23 13:30	7979	B Thuso,L Nakedi,S Tlou
7981		Remove The Crusher Mounting Bolts	0.5 hrs	Wed 10/05/23 13:30	Wed 10/05/23 14:00	7980	B Thuso,L Nakedi,S Tlou
7982		Rig Out The Crusher Then Take It The Washing Bay,Clean And Transport To The Workshop	2 hrs	Wed 10/05/23 14:00	Wed 10/05/23 16:00	7981	G Moeseraela,T Moloi
7983		Prepare A Work Bench For Carrying Out Overhaul	0.25 hrs	Wed 10/05/23 16:00	Wed 10/05/23 16:15	7982	B Thuso,L Nakedi,S Tlou
7984		Remove The Roll Pack From The Frame And Drain Oil	2 hrs	Wed 10/05/23 16:15	Thu 11/05/23 07:15	7983	B Thuso,L Nakedi,S Tlou
7985		Remove The Front Panel Of The Wheel Guard	0.25 hrs	Thu 11/05/23 07:15	Thu 11/05/23 07:30	7984	B Thuso,L Nakedi,S Tlou
7986		Pull Out The Gears	2 hrs	Thu 11/05/23 07:30	Thu 11/05/23 09:30	7985	B Thuso,L Nakedi,S Tlou
7987		Remove The Clamping Strip From The Bellow On The Loose Roll	0.5 hrs	Thu 11/05/23 09:30	Thu 11/05/23 10:00	7986	B Thuso,L Nakedi,S Tlou
7988		Loosen The Nuts Of The Wheel Guard Support Bolts	0.5 hrs	Thu 11/05/23 10:00	Thu 11/05/23 10:30	7987	B Thuso,L Nakedi,S Tlou
7989		Carefully Withdraw The Wheel Guard From The Shaft Of The Of The Working Rc	0.25 hrs	Thu 11/05/23 10:30	Thu 11/05/23 10:45	7988	B Thuso,L Nakedi,S Tlou
7990		Remove The V Belt Pulleys	1 hr	Thu 11/05/23 10:45	Thu 11/05/23 11:45	7989	B Thuso,L Nakedi,S Tlou
7991		Remove The Bearings Using The Detaching Device And Hydraulic Pump(4Off)	2 hrs	Thu 11/05/23 11:45	Thu 11/05/23 14:15	7990	B Thuso,L Nakedi,S Tlou
7992		Loosen The Disc From The Accentric Shaft On The Side Opposite The Compressed Air Cylinder And Withdraw The Pull Strap With Adjustingshafts From The Eccentric Shaft	0.5 hrs	Thu 11/05/23 14:15	Thu 11/05/23 14:45	7991	B Thuso,L Nakedi,S Tlou
7993		Remove Sideways The Bearing Casing,Inner Bearing Cover,Sealing Ring And Filling Sheets	2 hrs	Thu 11/05/23 14:45	Thu 11/05/23 16:45	7992	B Thuso,L Nakedi,S Tlou
7994		Clean All The Components And Inspect,Then Replace If Necessary	1 hr	Thu 11/05/23 16:45	Thu 11/05/23 17:45	7993	B Thuso,L Nakedi,S Tlou
7995		Ensure That The Flutes Are In The Correct Position	0.5 hrs	Thu 11/05/23 17:45	Fri 12/05/23 07:15	7994	B Thuso,L Nakedi,S Tlou
7996		Position The Filling Covers On The Rolls	0.25 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:30	7995	B Thuso,L Nakedi,S Tlou
7997		Install The Sealing Ring	0.25 hrs	Fri 12/05/23 07:30	Fri 12/05/23 07:45	7996	B Thuso,L Nakedi,S Tlou
7998		Inset The Inner Bearing Cover	0.25 hrs	Fri 12/05/23 07:45	Fri 12/05/23 08:00	7997	B Thuso,L Nakedi,S Tlou
7999		Mount Locating Ring	0.25 hrs	Fri 12/05/23 08:00	Fri 12/05/23 08:15	7998	B Thuso,L Nakedi,S Tlou
8000		Install Bearings Both Sides And Set Clearance Between 0.03-0.05 On The Drive Side And Lock Nut(4 0Ff)	2 hrs	Fri 12/05/23 08:15	Fri 12/05/23 10:15	7999	B Thuso,L Nakedi,S Tlou
8001		Replace Bearing Housing Ensuring That Grease Points Are Inline	1 hr	Fri 12/05/23 10:15	Fri 12/05/23 11:15	8000	B Thuso,L Nakedi,S Tlou
8002		Replace The End Covers And Box	1 hr	Fri 12/05/23 11:15	Fri 12/05/23 12:45	8001	B Thuso,L Nakedi,S Tlou
8003		Replace O Ring In The Sleeves And Slide Sleeves On The Shaft	1 hr	Fri 12/05/23 12:45	Fri 12/05/23 13:45	8002	B Thuso,L Nakedi,S Tlou
8004		Replace The Oil Tank And Secure	1 hr	Fri 12/05/23 13:45	Fri 12/05/23 14:45	8003	B Thuso,L Nakedi,S Tlou
8005		Install Gears And Lock Them	1 hr	Fri 12/05/23 14:45	Fri 12/05/23 15:45	8004	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8006		Close The Resevoir	0.5 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:15	8005	B Thuso,L Nakedi,S Tlou
8007		Replace The Drive Pulley And Lock It,Then Install The Underspeed Actuator	1 hr	Fri 12/05/23 16:15	Fri 12/05/23 17:15	8006	B Thuso,L Nakedi,S Tlou
8008		Install Eccentric Shaft	1 hr	Fri 12/05/23 17:15	Sat 13/05/23 07:15	8007	B Thuso,L Nakedi,S Tlou
8009		Replace Adjusting Mechanism	1 hr	Sat 13/05/23 07:15	Sat 13/05/23 08:15	8008	B Thuso,L Nakedi,S Tlou
8010		Install Pneumatic Cylinder And Set The Crusher Gap When The Cylinder Is In A Retracted Position	0.5 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:45	8009	B Thuso,L Nakedi,S Tlou
8011		Install The Roll Assembly In The Frame	1.5 hrs	Sat 13/05/23 08:45	Sat 13/05/23 10:15	8010	B Thuso,L Nakedi,S Tlou
8012		Install Scraper And Adjust	0.5 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:45	8011	B Thuso,L Nakedi,S Tlou
8013		Transport To The Plant And Rig In Position And Secure	2.5 hrs	Sat 13/05/23 10:45	Sat 13/05/23 13:45	8012,9153	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8014		Install The Chute And Secure	1 hr	Sat 13/05/23 13:45	Sat 13/05/23 14:45	8013	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8015		Lower The Vibrating Feeder And Secure	0.5 hrs	Sat 13/05/23 14:45	Sat 13/05/23 15:15	8014	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8016		Install The Motor And Align The Pulleys	1 hr	Sat 13/05/23 15:15	Sat 13/05/23 16:15	8015	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8017		Replace V Belts Spb 16Nx2530 Tension To The Correct Force And Deflection(5 Off)	0.5 hrs	Sat 13/05/23 16:15	Sat 13/05/23 16:45	8016	B Thuso,L Nakedi,S Tlou
8018		Replace The Guard	0.25 hrs	Sat 13/05/23 16:45	Sat 13/05/23 17:00	8017	B Thuso,L Nakedi,S Tlou
8019		Connect Under Speed Sensors	0.5 hrs	Sat 13/05/23 17:00	Sat 13/05/23 17:30	8018	L Majoo,Electrician1
8020		Box Up The Crusher	0.5 hrs	Sat 13/05/23 17:30	Sat 13/05/23 18:00	8019	B Thuso,L Nakedi,S Tlou
8021		Refill To The Correct Level Gen Gear 680	0.5 hrs	Sun 14/05/23 07:00	Sun 14/05/23 07:30	8020	B Thuso,L Nakedi,S Tlou
8022		Carry House Keeping	0.25 hrs	Sun 14/05/23 07:30	Sun 14/05/23 07:45	8021	B Thuso,L Nakedi,S Tlou
8023		Sign Off The Permit	0.25 hrs	Sun 14/05/23 07:45	Sun 14/05/23 08:00	8022	B Thuso,L Nakedi,S Tlou
8024		Clear Permit	0.25 hrs	Sun 14/05/23 08:00	Sun 14/05/23 08:15	8023	B Thuso,L Nakedi,S Tlou
8025	**29C2GF08**	**# A2 FINE ROLLER CRUSHER - Overhaul Crusher**	**44.5 hrs**	**Wed 10/05/23 16:00**	**Mon 15/05/23 07:30**	**7982**	
8026		Make Out Permit	0.25 hrs	Wed 10/05/23 16:00	Wed 10/05/23 16:15		Operations
8027		Accept Permit	0.25 hrs	Wed 10/05/23 16:15	Wed 10/05/23 16:30	8026	B Thuso,L Nakedi,S Tlou
8028		Carry Out Risk Assesment	0.25 hrs	Wed 10/05/23 16:30	Wed 10/05/23 16:45	8027	B Thuso,L Nakedi,S Tlou
8029		Loosen And Remove The Vibrating Feeder Rubber Bellows	1 hr	Wed 10/05/23 16:45	Wed 10/05/23 17:45	8028	B Thuso,L Nakedi,S Tlou
8030		Support The Vibrating Feeder With A Chain Block	1 hr	Wed 10/05/23 17:45	Thu 11/05/23 07:45	8029	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8031		Loosen And Remove The Mounting Bolts For The Feeder	0.5 hrs	Thu 11/05/23 07:45	Thu 11/05/23 08:15	8030	B Thuso,L Nakedi,S Tlou
8032		Lift A Vibrating Feeder To Create Clearance Between The Feeder And The Chute	0.5 hrs	Thu 11/05/23 08:15	Thu 11/05/23 08:45	8031	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8033		Disconnect Underspeed Sensors And Proximity Switches	0.5 hrs	Thu 11/05/23 08:45	Thu 11/05/23 09:15	8032	L Majoo,Electrician1
8034		Remove The Mounting Bolts For The Chute And Rig It Out.	1 hr	Thu 11/05/23 09:15	Thu 11/05/23 10:15	8033	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8035		Remove The V Belts Guard	0.25 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:30	8034	B Thuso,L Nakedi,S Tlou
8036		Slack The Motor And Remove The V Belts	0.25 hrs	Thu 11/05/23 10:30	Thu 11/05/23 10:45	8035	B Thuso,L Nakedi,S Tlou
8037		Support The Motor With A Chain Block And Remove The Motor Mounting Bolts	1 hr	Thu 11/05/23 10:45	Thu 11/05/23 11:45	8036	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8038		Lower The Motor To Suitable Position	0.25 hrs	Thu 11/05/23 11:45	Thu 11/05/23 12:00	8037	G Moeseraela,T Moloi
8039		Isolate Air To The Cylinder And Disconnect The Pipes	0.25 hrs	Thu 11/05/23 12:30	Thu 11/05/23 12:45	8038	B Thuso,L Nakedi,S Tlou
8040		Remove The Crusher Mounting Bolts	0.5 hrs	Thu 11/05/23 12:45	Thu 11/05/23 13:15	8039	B Thuso,L Nakedi,S Tlou
8041		Rig Out The Crusher Then Take It The Washing Bay,Clean And Transport To The Workshop	2 hrs	Thu 11/05/23 13:15	Thu 11/05/23 15:15	8040	G Moeseraela,T Moloi
8042		Prepare A Work Bench For Carrying Out Overhaul	0.25 hrs	Thu 11/05/23 15:15	Thu 11/05/23 15:30	8041	B Thuso,L Nakedi,S Tlou
8043		Remove The Roll Pack From The Frame And Drain Oil	2 hrs	Thu 11/05/23 15:30	Thu 11/05/23 17:30	8042	B Thuso,L Nakedi,S Tlou
8044		Remove The Front Panel Of The Wheel Guard	0.25 hrs	Thu 11/05/23 17:30	Thu 11/05/23 17:45	8043	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8045		Pull Out The Gears	2 hrs	Thu 11/05/23 17:45	Fri 12/05/23 08:45	8044	B Thuso,L Nakedi,S Tlou
8046		Remove The Clamping Strip From The Bellow On The Loose Roll	0.5 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:15	8045	B Thuso,L Nakedi,S Tlou
8047		Loosen The Nuts Of The Wheel Guard Support Bolts	0.5 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:45	8046	B Thuso,L Nakedi,S Tlou
8048		Carefully Withdraw The Wheel Guard From The Shaft Of The Of The Working Rc	0.25 hrs	Fri 12/05/23 09:45	Fri 12/05/23 10:00	8047	B Thuso,L Nakedi,S Tlou
8049		Remove The V Belt Pulleys	1 hr	Fri 12/05/23 10:00	Fri 12/05/23 11:00	8048	B Thuso,L Nakedi,S Tlou
8050		Remove The Bearings Using The Detaching Device And Hydraulic Pump(4Off)	2 hrs	Fri 12/05/23 11:00	Fri 12/05/23 13:30	8049	B Thuso,L Nakedi,S Tlou
8051		Loosen The Disc From The Accentric Shaft On The Side Opposite The Compressed Air Cylinder And Withdraw The Pull Strap With Adjustingshafts From The Eccentric Shaft	0.5 hrs	Fri 12/05/23 13:30	Fri 12/05/23 14:00	8050	B Thuso,L Nakedi,S Tlou
8052		Remove Sideways The Bearing Casing,Inner Bearing Cover,Sealing Ring And Filling Sheets	2 hrs	Fri 12/05/23 14:00	Fri 12/05/23 16:00	8051	B Thuso,L Nakedi,S Tlou
8053		Clean All The Components And Inspect,Then Replace If Necessary	1 hr	Fri 12/05/23 16:00	Fri 12/05/23 17:00	8052	B Thuso,L Nakedi,S Tlou
8054		Ensure That The Flutes Are In The Correct Position	0.5 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:30	8053	B Thuso,L Nakedi,S Tlou
8055		Position The Filling Covers On The Rolls	0.25 hrs	Fri 12/05/23 17:30	Fri 12/05/23 17:45	8054	B Thuso,L Nakedi,S Tlou
8056		Install The Sealing Ring	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00	8055	B Thuso,L Nakedi,S Tlou
8057		Inset The Inner Bearing Cover	0.25 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:15	8056	B Thuso,L Nakedi,S Tlou
8058		Mount Locating Ring	0.25 hrs	Sat 13/05/23 07:15	Sat 13/05/23 07:30	8057	B Thuso,L Nakedi,S Tlou
8059		Install Bearings Both Sides And Set Clearance Between 0.03-0.05 On The Drive Side And Lock Nut(4 0Ff)	2 hrs	Sat 13/05/23 07:30	Sat 13/05/23 09:30	8058	B Thuso,L Nakedi,S Tlou
8060		Replace Bearing Housing Ensuring That Grease Points Are Inline	1 hr	Sat 13/05/23 09:30	Sat 13/05/23 10:30	8059	B Thuso,L Nakedi,S Tlou
8061		Replace The End Covers And Box	1 hr	Sat 13/05/23 10:30	Sat 13/05/23 11:30	8060	B Thuso,L Nakedi,S Tlou
8062		Replace O Ring In The Sleeves And Slide Sleeves On The Shaft	1 hr	Sat 13/05/23 11:30	Sat 13/05/23 13:00	8061	B Thuso,L Nakedi,S Tlou
8063		Replace The Oil Tank And Secure	1 hr	Sat 13/05/23 13:00	Sat 13/05/23 14:00	8062	B Thuso,L Nakedi,S Tlou
8064		Install Gears And Lock Them	1 hr	Sat 13/05/23 14:00	Sat 13/05/23 15:00	8063	B Thuso,L Nakedi,S Tlou
8065		Close The Resevoir	0.5 hrs	Sat 13/05/23 15:00	Sat 13/05/23 15:30	8064	B Thuso,L Nakedi,S Tlou
8066		Replace The Drive Pulley And Lock It,Then Install The Underspeed Actuator	1 hr	Sat 13/05/23 15:30	Sat 13/05/23 16:30	8065	B Thuso,L Nakedi,S Tlou
8067		Install Eccentric Shaft	1 hr	Sat 13/05/23 16:30	Sat 13/05/23 17:30	8066	B Thuso,L Nakedi,S Tlou
8068		Replace Adjusting Mechanism	1 hr	Sat 13/05/23 17:30	Sun 14/05/23 07:30	8067	B Thuso,L Nakedi,S Tlou
8069		Install Pneumatic Cylinder And Set The Crusher Gap When The Cylinder Is In A Retracted Position	0.5 hrs	Sun 14/05/23 07:30	Sun 14/05/23 08:00	8068	B Thuso,L Nakedi,S Tlou
8070		Install The Roll Assembly In The Frame	1.5 hrs	Sun 14/05/23 08:00	Sun 14/05/23 09:30	8069	B Thuso,L Nakedi,S Tlou
8071		Install Scraper And Adjust	0.5 hrs	Sun 14/05/23 09:30	Sun 14/05/23 10:00	8070	B Thuso,L Nakedi,S Tlou
8072		Transport To The Plant And Rig In Position And Secure	2.5 hrs	Sun 14/05/23 10:00	Sun 14/05/23 13:00	7966,8071	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8073		Install The Chute And Secure	1 hr	Sun 14/05/23 13:00	Sun 14/05/23 14:00	8072	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8074		Lower The Vibrating Feeder And Secure	0.5 hrs	Sun 14/05/23 14:00	Sun 14/05/23 14:30	8073	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8075		Install The Motor And Align The Pulleys	1 hr	Sun 14/05/23 14:30	Sun 14/05/23 15:30	8074	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8076		Replace V Belts Spb 16Nx2530 Tension To The Correct Force And Deflection(5 Off)	0.5 hrs	Sun 14/05/23 15:30	Sun 14/05/23 16:00	8075	B Thuso,L Nakedi,S Tlou
8077		Replace The Guard	0.25 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:15	8076	B Thuso,L Nakedi,S Tlou
8078		Connect Under Speed Sensors	0.5 hrs	Sun 14/05/23 16:15	Sun 14/05/23 16:45	8077	L Majoo,Electrician1
8079		Box Up The Crusher	0.5 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:15	8078	B Thuso,L Nakedi,S Tlou
8080		Refill To The Correct Level Gen Gear 680	0.5 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:45	8079	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8081		Carry House Keeping	0.25 hrs	Sun 14/05/23 17:45	Sun 14/05/23 18:00	8080	B Thuso,L Nakedi,S Tlou
8082		Sign Off The Permit	0.25 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:15	8081	B Thuso,L Nakedi,S Tlou
8083		Clear Permit	0.25 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:30	8082	B Thuso,L Nakedi,S Tlou
8084	**29C2RF04**	**# A4 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14 hrs**	**Thu 04/05/23 21:00**	**Sat 06/05/23 10:30**		
8085		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
8086		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8085	B Thuso,L Nakedi,S Tlou
8087		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8086	B Thuso,L Nakedi,S Tlou
8088		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	8087	B Thuso,L Nakedi,S Tlou
8089		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	8088	B Thuso,L Nakedi,S Tlou
8090		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	8089	B Thuso,L Nakedi,S Tlou
8091		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	8090	B Thuso,L Nakedi,S Tlou
8092		Slack The Chain	0.5 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:45	8091	B Thuso,L Nakedi,S Tlou
8093		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:15	8092	B Thuso,L Nakedi,S Tlou
8094		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:45	8093	B Thuso,L Nakedi,S Tlou
8095		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:15	8094	B Thuso,L Nakedi,S Tlou
8096		Tension The Drag Chain	0.5 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:45	8095	B Thuso,L Nakedi,S Tlou
8097		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Fri 05/05/23 11:45	Fri 05/05/23 15:30	8096	B Thuso,L Nakedi,S Tlou
8098		Apply Sealant And Close The Top Covers	1 hr	Fri 05/05/23 15:30	Fri 05/05/23 16:30	8097	B Thuso,L Nakedi,S Tlou
8099		Open Plummer Blocks And Clean Old Grease	1 hr	Fri 05/05/23 16:30	Fri 05/05/23 17:30	8098	B Thuso,L Nakedi,S Tlou
8100		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Fri 05/05/23 17:30	Sat 06/05/23 07:30	8099	B Thuso,L Nakedi,S Tlou
8101		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 06/05/23 07:30	Sat 06/05/23 08:00	8100	B Thuso,L Nakedi,S Tlou
8102		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Sat 06/05/23 08:00	Sat 06/05/23 09:00	8101	B Thuso,L Nakedi,S Tlou
8103		Tension To The Correct Force And Deflection	0.5 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:30	8102	B Thuso,L Nakedi,S Tlou
8104		Replace Guard And Secure	0.5 hrs	Sat 06/05/23 09:30	Sat 06/05/23 10:00	8103	B Thuso,L Nakedi,S Tlou
8105		Carry Out Housekeeping	0.25 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:15	8104	B Thuso,L Nakedi,S Tlou
8106		Clear Permit	0.25 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:30	8105	Operations
8107	**29C2RF05**	**# A5 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14 hrs**	**Sat 06/05/23 10:30**	**Sun 07/05/23 14:30**	**8084**	
8108		Make Out Permit	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45		Operations
8109		Accept Permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	8108	B Thuso,L Nakedi,S Tlou
8110		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	8109	B Thuso,L Nakedi,S Tlou
8111		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:45	8110	B Thuso,L Nakedi,S Tlou
8112		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:45	8111	B Thuso,L Nakedi,S Tlou
8113		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:15	8112	B Thuso,L Nakedi,S Tlou
8114		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:30	8113	B Thuso,L Nakedi,S Tlou
8115		Slack The Chain	0.5 hrs	Sat 06/05/23 13:30	Sat 06/05/23 14:00	8114	B Thuso,L Nakedi,S Tlou
8116		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:30	8115	B Thuso,L Nakedi,S Tlou
8117		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Sat 06/05/23 14:30	Sat 06/05/23 15:00	8116	B Thuso,L Nakedi,S Tlou
8118		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:30	8117	B Thuso,L Nakedi,S Tlou
8119		Tension The Drag Chain	0.5 hrs	Sat 06/05/23 15:30	Sat 06/05/23 16:00	8118	B Thuso,L Nakedi,S Tlou
8120		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Sat 06/05/23 16:00	Sun 07/05/23 08:15	8119	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8121		Apply Sealant And Close The Top Covers	1 hr	Sun 07/05/23 08:15	Sun 07/05/23 09:15	8120	B Thuso,L Nakedi,S Tlou
8122		Open Plummer Blocks And Clean Old Grease	1 hr	Sun 07/05/23 09:15	Sun 07/05/23 10:15	8121	B Thuso,L Nakedi,S Tlou
8123		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sun 07/05/23 10:15	Sun 07/05/23 11:15	8122	B Thuso,L Nakedi,S Tlou
8124		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:45	8123	B Thuso,L Nakedi,S Tlou
8125		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Sun 07/05/23 11:45	Sun 07/05/23 13:15	8124	B Thuso,L Nakedi,S Tlou
8126		Tension To The Correct Force And Deflection	0.5 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:45	8125	B Thuso,L Nakedi,S Tlou
8127		Replace Guard And Secure	0.5 hrs	Sun 07/05/23 13:45	Sun 07/05/23 14:15	8126	B Thuso,L Nakedi,S Tlou
8128		Carry Out Housekeeping	0.25 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:30	8127	B Thuso,L Nakedi,S Tlou
8129		Clear Permit	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45		Operations
8130	**29C2RE01**	**# A1 BELT CONVEYOR - Carry out inspections**	**8.25 hrs**	**Sun 07/05/23 14:30**	**Mon 08/05/23 11:45**	**8107**	
8131		Make Out Permit	0.25 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:45		Operations
8132		Accept Permit	0.25 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:00	8131	B Thuso,L Nakedi,S Tlou
8133		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:15	8132	B Thuso,L Nakedi,S Tlou
8134		Replace All Defective Idlers	1 hr	Sun 07/05/23 15:15	Sun 07/05/23 16:15	8133	B Thuso,L Nakedi,S Tlou
8135		Open Plummer Blocks,Clean Old Grease,Inspect Bearings And Repack With New Grease Or Replace If Necessary	2 hrs	Sun 07/05/23 16:15	Mon 08/05/23 07:15	8134	B Thuso,L Nakedi,S Tlou
8136		Inspect Lagging On The Pulleys And Replace If Necessary	0.5 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:45	8135	B Thuso,L Nakedi,S Tlou
8137		Check The Condition Of The Scraper And Adjust Or Replace If Necessary	0.5 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:15	8136	B Thuso,L Nakedi,S Tlou
8138		Check The Condition Of The Skirting And Adjust Accordingly	0.5 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:45	8137	B Thuso,L Nakedi,S Tlou
8139		Clear The Permit And Obtain Test Run Permit	0.75 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:30	8138	Operations,B Thuso,L Nakedi,S Tlou
8140		Run The Conveyor And Track It	1 hr	Mon 08/05/23 09:30	Mon 08/05/23 10:30	8139	Operations,B Thuso,L Nakedi,S Tlou
8141		Sign Off The Test Run Permit And Isolate The Conveyor	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45	8140	B Thuso,L Nakedi,S Tlou
8142		Obtain A Permit To Work And Replace Guards	0.5 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:15	8141	Operations,B Thuso,L Nakedi,S Tlou
8143		Carry Out Housekeeping	0.25 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:30	8142	B Thuso,L Nakedi,S Tlou
8144		Clear Permit	0.25 hrs	Mon 08/05/23 11:30	Mon 08/05/23 11:45	8143	Operations
8145	**29C2RE02**	**# A2 BELT CONVEYOR - Replace And Perform Hot Splice**	**16 hrs**	**Thu 04/05/23 21:00**	**Sat 06/05/23 13:00**		
8146		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
8147		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8146	B Thuso,L Nakedi,S Tlou
8148		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8147	B Thuso,L Nakedi,S Tlou
8149		Remove The Guards	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	8148	B Thuso,L Nakedi,S Tlou
8150		Slack The Conveyor Until The Slack Is Complete	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	8149	B Thuso,L Nakedi,S Tlou
8151		Cut The Old Conveyor And Join One End To The New Conveyor(Ensure The Position Of The Conveyor Is Correct)	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	8150	B Thuso,L Nakedi,S Tlou
8152		Pull Out The Old Conveyor To Install The New Conveyor During The Process Until The Correct Length Has Been Installed	1 hr	Fri 05/05/23 09:00	Fri 05/05/23 10:00	8151	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
8153		Remove The Fasteners And Roll The Old Conveyor Nicely.	0.5 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:30	8152	B Thuso,L Nakedi,S Tlou
8154		Remove Idler Frames To Position The Splicing Machine	0.5 hrs	Fri 05/05/23 10:30	Fri 05/05/23 11:00	8153	B Thuso,L Nakedi,S Tlou
8155		Replace All Defective Idlers	1 hr	Fri 05/05/23 11:00	Fri 05/05/23 12:00	8154	B Thuso,L Nakedi,S Tlou
8156		Perform Hot Splicing	3 hrs	Fri 05/05/23 12:30	Fri 05/05/23 15:30	8155	GoodYear
8157		Open Plummer Blocks,Clean Old Grease,Inspect Bearings And Repack With New Grease Or Replace If Necessary	2 hrs	Fri 05/05/23 15:30	Fri 05/05/23 17:30	8156	B Thuso,L Nakedi,S Tlou
8158		Inspect Lagging On The Pulleys And Replace If Necessary	0.5 hrs	Fri 05/05/23 17:30	Fri 05/05/23 18:00	8157	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8159		Replace Idler Frames After Splicing Is Done	0.5 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:30	8158	B Thuso,L Nakedi,S Tlou
8160		Tension The Conveyor	0.5 hrs	Sat 06/05/23 07:30	Sat 06/05/23 08:00	8159	B Thuso,L Nakedi,S Tlou
8161		Check The Condition Of The Scraper And Adjust Or Replace If Necessary	0.5 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:30	8160	B Thuso,L Nakedi,S Tlou
8162		Check The Condition Of The Skirting And Adjust Accordingly	0.5 hrs	Sat 06/05/23 08:30	Sat 06/05/23 09:00	8161	B Thuso,L Nakedi,S Tlou
8163		Clear The Permit And Obtain Test Run Permit	0.75 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:45	8162	Operations,B Thuso,L Nakedi,S Tlou
8164		Run The Conveyor And Track It	1.5 hrs	Sat 06/05/23 09:45	Sat 06/05/23 11:15	8163	Operations,B Thuso,L Nakedi,S Tlou
8165		Sign Off The Test Run Permit And Isolate The Conveyor	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	8164	B Thuso,L Nakedi,S Tlou
8166		Obtain A Permit To Work And Replace Guards	0.5 hrs	Sat 06/05/23 11:30	Sat 06/05/23 12:00	8165	Operations,B Thuso,L Nakedi,S Tlou
8167		Carry Out Housekeeping	0.25 hrs	Sat 06/05/23 12:30	Sat 06/05/23 12:45	8166	B Thuso,L Nakedi,S Tlou
8168		Clear Permit	0.25 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:00	8167	Operations
8169		**PLANT STRUCTURE - Replace Louvers**	**8.5 hrs**	**Thu 04/05/23 21:00**	**Fri 05/05/23 16:00**		
8170		Make Out Permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
8171		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8170	Civil
8172		Install Louvers	8 hrs	Fri 05/05/23 07:15	Fri 05/05/23 15:45	8171	Civil,M-Crane 30Ton,G Moeseraela,T M
8173		Clear Permit	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00	8172	Civil
8174		**ELECTRICAL**	**162.75 hrs**	**Thu 04/05/23 21:00**	**Sat 20/05/23 12:45**	**7052**	
8175	**29C2GK01M**	**A FEED HOPPER STIRRER EAST - Carry out general electrical maintenance**	**55.25 hrs**	**Fri 05/05/23 07:00**	**Wed 10/05/23 09:45**		
8176		Make out permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		Operations
8177		Accept permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8176	L Majoo,Electrician1
8178		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	8177	L Majoo,Electrician1
8179		Disconnect motor	1.5 hrs	Fri 05/05/23 07:45	Fri 05/05/23 09:15	8178	G Moeseraela,T Moloi,L Majoo,Electrici
8180		Send motor for repairs	48 hrs	Fri 05/05/23 09:15	Tue 09/05/23 15:45	8179	G Moeseraela,T Moloi,L Majoo,Electrici
8181		Check loose connections inside the panel	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	8180	L Majoo,Electrician1
8182		Service panel components, VSD & Clear dust	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	8181	L Majoo,Electrician1
8183		Service Field Isolator	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	8182	L Majoo,Electrician1
8184		Service Feed Hopper Vibrator Motor & panel	0.5 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:15	8183	L Majoo,Electrician1
8185		Inspect for possible Gear Box Seal leak	0.25 hrs	Tue 09/05/23 17:15	Tue 09/05/23 17:30	8184	L Majoo,Electrician1
8186		Install and connect motor	2 hrs	Tue 09/05/23 17:30	Wed 10/05/23 08:30	8185	G Moeseraela,T Moloi,L Majoo,Electrici
8187		Tighten Motor connections & Gland intergrity	0.5 hrs	Wed 10/05/23 08:30	Wed 10/05/23 09:00	8186	L Majoo,Electrician1
8188		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15	8187	L Majoo,Electrician1
8189		Confirm correct protection settings	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	8188	L Majoo,Electrician1
8190		Clear permit	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45	8189	L Majoo,Electrician1
8191	**29C2GK01M**	**A FEED HOPPER STIRRER WEST - Carry out general electrical maintenance**	**53.5 hrs**	**Fri 05/05/23 07:00**	**Wed 10/05/23 08:00**	**8175SS**	
8192		Make out permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		Operations
8193		Accept permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8192	L Majoo,Electrician1
8194		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	8193	L Majoo,Electrician1
8195		Disconnect, remove motor and Send motor for repairs	48 hrs	Fri 05/05/23 07:45	Tue 09/05/23 14:15	8194	G Moeseraela,T Moloi,L Majoo,Electrici
8196		Check loose connections inside the panel	0.25 hrs	Tue 09/05/23 14:15	Tue 09/05/23 14:30	8195	L Majoo,Electrician1
8197		Service panel components, VSD & Clear dust	0.25 hrs	Tue 09/05/23 14:30	Tue 09/05/23 14:45	8196	L Majoo,Electrician1
8198		Service Field Isolator	0.5 hrs	Tue 09/05/23 14:45	Tue 09/05/23 15:15	8197	L Majoo,Electrician1
8199		Service Feed Hopper Vibrator Motor & panel	0.5 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:45	8198	L Majoo,Electrician1
8200		Inspect for possible Gear Box Seal leak	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	8199	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8201		Install and connect motor	2 hrs	Tue 09/05/23 16:00	Tue 09/05/23 18:00	8200	G Moeseraela,T Moloi,L Majoo,Electrici
8202		Tighten Motor connections & Gland intergrity	0.5 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:30	8201	L Majoo,Electrician1
8203		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 07:30	Wed 10/05/23 07:45	8202	L Majoo,Electrician1
8204		Clear permit	0.25 hrs	Wed 10/05/23 07:45	Wed 10/05/23 08:00	8203	L Majoo,Electrician1
8205	**29C2RL01**	**A SCREW FEEDER - Carry out general maintenance**	**8 hrs**	**Thu 04/05/23 21:00**	**Fri 05/05/23 15:30**		
8206		Make out permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
8207		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8206	L Majoo,Electrician1
8208		Carry out Ash Electrical isolation	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8207	L Majoo,Electrician1
8209		Disconnect and remove motor and send for repairs	2 hrs	Fri 05/05/23 07:30	Fri 05/05/23 09:30	8208	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8210		Check loose connections in the panel	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	8209	L Majoo,Electrician1
8211		Open VSD & blow out dust	0.5 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:15	8210	L Majoo,Electrician1
8212		Tighten VSD connections	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	8211	L Majoo,Electrician1
8213		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	8212	L Majoo,Electrician1
8214		Install and connect motor	2 hrs	Fri 05/05/23 10:45	Fri 05/05/23 13:15	8213	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8215		Replace faulty safe start siren	1 hr	Fri 05/05/23 13:15	Fri 05/05/23 14:15	8214	L Majoo,Electrician1
8216		Service safe start circuit & Field Isolator	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	8215	L Majoo,Electrician1
8217		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 05/05/23 14:30	Fri 05/05/23 14:45	8216	L Majoo,Electrician1
8218		Seal for Moisture and dust.	0.25 hrs	Fri 05/05/23 14:45	Fri 05/05/23 15:00	8217	L Majoo,Electrician1
8219		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:15	8218	L Majoo,Electrician1
8220		Clear permit	0.25 hrs	Fri 05/05/23 15:15	Fri 05/05/23 15:30	8219	L Majoo,Electrician1
8221	**29C2RP01**	**A1 BUCKET ELEVATOR - Carry out general electrical maintenance**	**162.25 hrs**	**Fri 05/05/23 07:00**	**Sat 20/05/23 11:45**		
8222		Make out permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		Operations
8223		Accept permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8222	L Majoo,Electrician1
8224		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	8223	L Majoo,Electrician1
8225		Disconnect motor	0.5 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:15	8224	L Majoo,Electrician1
8226		Send motor for repairs	48 hrs	Fri 05/05/23 08:15	Tue 09/05/23 14:45	8225	L Majoo,Electrician1,Riggers,M_Crane7
8227		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 14:45	Tue 09/05/23 15:00	8226	L Majoo,Electrician1
8228		Service panel components & Clean dust	0.25 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:15	8227	L Majoo,Electrician1
8229		Service Field isolator	0.25 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:30	8228	L Majoo,Electrician1
8230		Check underspeed sensor cable & circuit operation	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45	8229	L Majoo,Electrician1
8231		Clear product build-up between Sensor & Actuators	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	8230	L Majoo,Electrician1
8232		Service safe start circuit	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	8231	L Majoo,Electrician1
8233		Install motor	1.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 17:45	8232	Riggers,M_Crane7T
8234		Connect motor	0.75 hrs	Tue 09/05/23 17:45	Wed 10/05/23 07:30	8233	L Majoo,Electrician1
8235		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 20/05/23 10:45	Sat 20/05/23 11:00	8234,8317	L Majoo,Electrician1
8236		Seal for Moisture and dust.	0.25 hrs	Sat 20/05/23 11:00	Sat 20/05/23 11:15	8235	L Majoo,Electrician1
8237		Confirm correct protection settings	0.25 hrs	Sat 20/05/23 11:15	Sat 20/05/23 11:30	8236	L Majoo,Electrician1
8238		Clear permit	0.25 hrs	Sat 20/05/23 11:30	Sat 20/05/23 11:45	8237	L Majoo,Electrician1
8239	**29C2RP02**	**A2 BUCKET ELEVATOR - Carry out general electrical maintenance**	**54 hrs**	**Fri 05/05/23 07:00**	**Wed 10/05/23 08:30**		
8240		Make out permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		Operations
8241		Accept permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8240	L Majoo,Electrician1
8242		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	8241	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8243		Disconnect motor	0.5 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:15	8242	L Majoo,Electrician1
8244		Send motor for repairs	48 hrs	Fri 05/05/23 08:15	Tue 09/05/23 14:45	8243	L Majoo,Electrician1,Riggers,M_Crane7
8245		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 14:45	Tue 09/05/23 15:00	8244	L Majoo,Electrician1
8246		Service panel components & Clear dust	0.25 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:15	8245	L Majoo,Electrician1
8247		Service Field isolator	0.25 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:30	8246	L Majoo,Electrician1
8248		Check underspeed sensor cable & circuit operation	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45	8247	L Majoo,Electrician1
8249		Clear product build-up between Sensor & Actuators	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	8248	L Majoo,Electrician1
8250		Service safe start circuit	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	8249	L Majoo,Electrician1
8251		Install motor	1.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 17:45	8250	Riggers,M_Crane7T
8252		Connect motor	0.75 hrs	Tue 09/05/23 17:45	Wed 10/05/23 07:30	8251	L Majoo,Electrician1
8253		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 10/05/23 07:30	Wed 10/05/23 07:45	8252	L Majoo,Electrician1
8254		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 07:45	Wed 10/05/23 08:00	8253	L Majoo,Electrician1
8255		Confirm correct protection settings	0.25 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:15	8254	L Majoo,Electrician1
8256		Clear permit	0.25 hrs	Wed 10/05/23 08:15	Wed 10/05/23 08:30	8255	L Majoo,Electrician1
8257	**29C2GP01**	**A COMPACTOR - Carry out general electrical maintenance**	**6.5 hrs**	**Wed 10/05/23 08:30**	**Wed 10/05/23 15:30**	**8239**	
8258		Make out permit	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45		Operations
8259		Accept permit	0.25 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:00	8258	L Majoo,Electrician1
8260		Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15	8259	L Majoo,Electrician1
8261		Carry out electrical isolation	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	8260	L Majoo,Electrician1
8262		Check panel HV terminals for arcing & overheating	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45	8261	L Majoo,Electrician1
8263		Check Breaker spouse looseness & arcing	0.25 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:00	8262	L Majoo,Electrician1
8264		Service Stop/Start	0.25 hrs	Wed 10/05/23 10:00	Wed 10/05/23 10:15	8263	L Majoo,Electrician1
8265		Check underspeed sensor intergrity	0.25 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:30	8264	L Majoo,Electrician1
8266		Service underspeed control panel	0.5 hrs	Wed 10/05/23 10:30	Wed 10/05/23 11:00	8265	L Majoo,Electrician1
8267		Inspect Motor terminal box interior & Gland intergrity	0.5 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:30	8266	L Majoo,Electrician1
8268		Clear product off motor, including cooling fan	1 hr	Wed 10/05/23 11:30	Wed 10/05/23 13:00	8267	L Majoo,Electrician1
8269		Service motor terminal box mounting bolts	2 hrs	Wed 10/05/23 13:00	Wed 10/05/23 15:00	8268	L Majoo,Electrician1
8270		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 15:00	Wed 10/05/23 15:15	8269	L Majoo,Electrician1
8271		Clear Permit And Electrical Clearence Certificate	0.25 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:30	8270	L Majoo,Electrician1
8272	**29C2GU01 A**	**A COMPACTOR HYDRUALIC OIL PUMP A - Carry out general electrical maintenance**	**54.25 hrs**	**Fri 05/05/23 07:00**	**Wed 10/05/23 08:45**		
8273		Make out permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		L Majoo,Electrician1
8274		Accept permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8273	L Majoo,Electrician1
8275		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	8274	L Majoo,Electrician1
8276		Disconnect motor	0.5 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:15	8275	L Majoo,Electrician1
8277		Send motor for repairs	48 hrs	Fri 05/05/23 08:15	Tue 09/05/23 14:45	8276	L Majoo,Electrician1,Riggers,M_Crane7
8278		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 14:45	Tue 09/05/23 15:00	8277	L Majoo,Electrician1
8279		Check Contactor contacts connetions	0.25 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:15	8278	L Majoo,Electrician1
8280		Confirm correct setting of protections	0.25 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:30	8279	L Majoo,Electrician1
8281		Service Stop/start	0.5 hrs	Tue 09/05/23 15:30	Tue 09/05/23 16:00	8280	L Majoo,Electrician1
8282		Install motor	1.5 hrs	Tue 09/05/23 16:00	Tue 09/05/23 17:30	8281	Riggers,M_Crane7T
8283		Connect motor	0.75 hrs	Tue 09/05/23 17:30	Wed 10/05/23 07:15	8282	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8284		Check motor fan condition	0.5 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:45	8283	L Majoo,Electrician1
8285		Check cable terminal leads for over heating	0.25 hrs	Wed 10/05/23 07:45	Wed 10/05/23 08:00	8284	L Majoo,Electrician1
8286		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:15	8285	L Majoo,Electrician1
8287		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 08:15	Wed 10/05/23 08:30	8286	L Majoo,Electrician1
8288		Clear permit	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45	8287	L Majoo,Electrician1
8289	**29C2GU01 B**	**A COMPACTOR HYDRUALIC OIL PUMP B - Carry out general electrical maintenance**	**54.25 hrs**	**Wed 10/05/23 08:45**	**Mon 15/05/23 10:30**	**8272**	
8290		Make out permit	0.25 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:00		L Majoo,Electrician1
8291		Accept permit	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15	8290	L Majoo,Electrician1
8292		Carry out electrical isolation	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	8291	L Majoo,Electrician1
8293		Disconnect motor	0.5 hrs	Wed 10/05/23 09:30	Wed 10/05/23 10:00	8292	L Majoo,Electrician1
8294		Send motor for repairs	48 hrs	Wed 10/05/23 10:00	Sun 14/05/23 16:30	8293	L Majoo,Electrician1,Riggers,M_Crane7
8295		Check loose connections in the panel	0.25 hrs	Sun 14/05/23 16:30	Sun 14/05/23 16:45	8294	L Majoo,Electrician1
8296		Check Contactor contacts connetions	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	8295	L Majoo,Electrician1
8297		Confirm correct setting of protections	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	8296	L Majoo,Electrician1
8298		Service Stop/start	0.5 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:45	8297	L Majoo,Electrician1
8299		Install motor	1.5 hrs	Sun 14/05/23 17:45	Mon 15/05/23 08:15	8298	Riggers,M_Crane7T
8300		Connect motor	0.75 hrs	Mon 15/05/23 08:15	Mon 15/05/23 09:00	8299	L Majoo,Electrician1
8301		Check motor fan condition	0.5 hrs	Mon 15/05/23 09:00	Mon 15/05/23 09:30	8300	L Majoo,Electrician1
8302		Check cable terminal leads for over heating	0.25 hrs	Mon 15/05/23 09:30	Mon 15/05/23 09:45	8301	L Majoo,Electrician1
8303		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 15/05/23 09:45	Mon 15/05/23 10:00	8302	L Majoo,Electrician1
8304		Seal for Moisture and dust.	0.25 hrs	Mon 15/05/23 10:00	Mon 15/05/23 10:15	8303	L Majoo,Electrician1
8305		Clear permit	0.25 hrs	Mon 15/05/23 10:15	Mon 15/05/23 10:30	8304	L Majoo,Electrician1
8306	**29C2GU01 A**	**A COMPACTOR LUBE OIL PUMP - Carry out general electrical maintenance**	**54.25 hrs**	**Mon 15/05/23 10:30**	**Sat 20/05/23 12:45**	**8289**	
8307		Make out permit	0.25 hrs	Mon 15/05/23 10:30	Mon 15/05/23 10:45		L Majoo,Electrician1
8308		Accept permit	0.25 hrs	Mon 15/05/23 10:45	Mon 15/05/23 11:00	8307	L Majoo,Electrician1
8309		Carry out electrical isolation	0.25 hrs	Mon 15/05/23 11:00	Mon 15/05/23 11:15	8308	L Majoo,Electrician1
8310		Disconnect motor	0.5 hrs	Mon 15/05/23 11:15	Mon 15/05/23 11:45	8309	L Majoo,Electrician1
8311		Send motor for repairs	48 hrs	Mon 15/05/23 11:45	Sat 20/05/23 07:15	8310	L Majoo,Electrician1,Riggers,M_Crane7
8312		Check loose connections in the panel	0.25 hrs	Sat 20/05/23 07:15	Sat 20/05/23 07:30	8311	L Majoo,Electrician1
8313		Check Contactor contacts connetions	0.25 hrs	Sat 20/05/23 07:30	Sat 20/05/23 07:45	8312	L Majoo,Electrician1
8314		Confirm correct setting of protections	0.25 hrs	Sat 20/05/23 07:45	Sat 20/05/23 08:00	8313	L Majoo,Electrician1
8315		Service Stop/start	0.5 hrs	Sat 20/05/23 08:00	Sat 20/05/23 08:30	8314	L Majoo,Electrician1
8316		Install motor	1.5 hrs	Sat 20/05/23 08:30	Sat 20/05/23 10:00	8315	Riggers,M_Crane7T
8317		Connect motor	0.75 hrs	Sat 20/05/23 10:00	Sat 20/05/23 10:45	8316	L Majoo,Electrician1
8318		Check motor fan condition	0.5 hrs	Sat 20/05/23 10:45	Sat 20/05/23 11:15	8317	L Majoo,Electrician1
8319		Check cable terminal leads for over heating	0.25 hrs	Sat 20/05/23 11:15	Sat 20/05/23 11:30	8318	L Majoo,Electrician1
8320		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 20/05/23 11:30	Sat 20/05/23 11:45	8319	L Majoo,Electrician1
8321		Seal for Moisture and dust.	0.25 hrs	Sat 20/05/23 11:45	Sat 20/05/23 12:00	8320	L Majoo,Electrician1
8322		Clear permit	0.25 hrs	Sat 20/05/23 12:30	Sat 20/05/23 12:45	8321	L Majoo,Electrician1
8323	**29C2GP01**	**A COMPACTOR TRANSFER SCREW - Carry out general electrical maintenance**	**3.5 hrs**	**Fri 05/05/23 07:00**	**Fri 05/05/23 10:30**		
8324		Make out permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8325		Accept permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8324	L Majoo,Electrician1
8326		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	8325	L Majoo,Electrician1
8327		Check loose connections in the panel	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	8326	L Majoo,Electrician1
8328		Check Contactor contacts connetions	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	8327	L Majoo,Electrician1
8329		Confirm correct setting of protections	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	8328	L Majoo,Electrician1
8330		Service Stop/start	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	8329	L Majoo,Electrician1
8331		Check motor fan condition	0.5 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:30	8330	L Majoo,Electrician1
8332		Check cable terminal leads for over heating	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	8331	L Majoo,Electrician1
8333		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	8332	L Majoo,Electrician1
8334		Seal for Moisture and dust.	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	8333	L Majoo,Electrician1
8335		Clear permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	8334	L Majoo,Electrician1
8336	**29C2GF01**	**FLAKE CRUSHER - Carry out general electrical maintenance**	**13.25 hrs**	**Fri 05/05/23 10:30**	**Sat 06/05/23 13:45**	**8323**	
8337		Make out permit	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45		Operations
8338		Accept permit	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00	8337	L Majoo,Electrician1
8339		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:15	8338	L Majoo,Electrician1
8340		Disconnect motor	2 hrs	Fri 05/05/23 11:15	Fri 05/05/23 13:45	8339	L Majoo,Electrician1
8341		Paint motor	4 hrs	Fri 05/05/23 13:45	Fri 05/05/23 17:45	8340	S Ateng,L Baipusi
8342		Curing time	4 hrs	Fri 05/05/23 17:45	Fri 05/05/23 21:45	8341	
8343		Check loose connections inside the panel	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	8342	L Majoo,Electrician1
8344		Service panel components & Clean dust	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	8343	L Majoo,Electrician1
8345		Service Stop/start	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45	8344	L Majoo,Electrician1
8346		Connect motor	2 hrs	Sat 06/05/23 07:45	Sat 06/05/23 09:45	8345	L Majoo,Electrician1
8347		Check Fan condition	0.25 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:00	8346	L Majoo,Electrician1
8348		Inspect for possible Gear Box Seal leak	0.25 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:15	8347	L Majoo,Electrician1
8349		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:30	8348	L Majoo,Electrician1
8350		Install motor	1 hr	Sat 06/05/23 10:30	Sat 06/05/23 11:30	8349	G Moeseraela,T Moloi,L Majoo,Electrici
8351		Connect motor	1 hr	Sat 06/05/23 11:30	Sat 06/05/23 13:00	8350	L Majoo,Electrician1
8352		Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 13:00	Sat 06/05/23 13:15	8351	L Majoo,Electrician1
8353		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:30	8352	L Majoo,Electrician1
8354		Clear permit	0.25 hrs	Sat 06/05/23 13:30	Sat 06/05/23 13:45	8353	L Majoo,Electrician1
8355	**29C2RF07**	**A SHUTTLE CONVEYOR - Carry out general electrical maintenance**	**4.25 hrs**	**Sat 06/05/23 13:45**	**Sat 06/05/23 18:00**	**8336**	
8356		Make out permit	0.25 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:00		Operations
8357		Accept permit	0.25 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:15	8356	L Majoo,Electrician1
8358		Carry out electrical isolation	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	8357	L Majoo,Electrician1
8359		Check loose connections in the panel	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	8358	L Majoo,Electrician1
8360		Service panel components & Clear dust	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	8359	L Majoo,Electrician1
8361		Service Field isolator	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15	8360	L Majoo,Electrician1
8362		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	8361	L Majoo,Electrician1
8363		Service safe start circuit	0.25 hrs	Sat 06/05/23 15:30	Sat 06/05/23 15:45	8362	L Majoo,Electrician1
8364		Install safe start siren	1 hr	Sat 06/05/23 15:45	Sat 06/05/23 16:45	8363	L Majoo,Electrician1
8365		Inspect for possible Gear Box Seal leak	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00	8364	L Majoo,Electrician1
8366		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15	8365	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8367		Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	8366	L Majoo,Electrician1
8368		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 17:30	Sat 06/05/23 17:45	8367	L Majoo,Electrician1
8369		Clear permit	0.25 hrs	Sat 06/05/23 17:45	Sat 06/05/23 18:00	8368	L Majoo,Electrician1
8370	**29C2GB01**	**A EXHAUST FAN - Carry out general electrical maintenance**	**2.75 hrs**	**Sat 06/05/23 18:00**	**Sun 07/05/23 09:45**	**8355**	
8371		Make out permit	0.25 hrs	Sat 06/05/23 18:00	Sat 06/05/23 18:15		Operations
8372		Accept permit	0.25 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:15	8371	L Majoo,Electrician1
8373		Carry out electrical isolation	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	8372	L Majoo,Electrician1
8374		Check loose connections in the panel	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	8373	L Majoo,Electrician1
8375		Service panel components	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	8374	L Majoo,Electrician1
8376		Check fan & fan cowling	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15	8375	L Majoo,Electrician1
8377		Service stop/start	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30	8376	L Majoo,Electrician1
8378		Check for overheating on supply cable leads.	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	8377	L Majoo,Electrician1
8379		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	8378	L Majoo,Electrician1
8380		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	8379	L Majoo,Electrician1
8381		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:30	8380	L Majoo,Electrician1
8382		Clear permit	0.25 hrs	Sun 07/05/23 09:30	Sun 07/05/23 09:45	8381	L Majoo,Electrician1
8383	**29C2GF02 N**	**A PRE-CRUSHER - Carry out general electrical maintenance**	**3.5 hrs**	**Sun 07/05/23 09:45**	**Sun 07/05/23 13:45**	**8370**	
8384		Make out permit	0.25 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:00		Operations
8385		Accept permit	0.25 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:15	8384	L Majoo,Electrician1
8386		Carry out electrical isolation	0.25 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:30	8385	L Majoo,Electrician1
8387		Check loose connections inside the panel	0.25 hrs	Sun 07/05/23 10:30	Sun 07/05/23 10:45	8386	L Majoo,Electrician1
8388		Service panel components & Clean dust	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	8387	L Majoo,Electrician1
8389		Replace Field Isolator	0.5 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:30	8388	L Majoo,Electrician1
8390		Check Motor Fans condition	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	8389	L Majoo,Electrician1
8391		Inspect for possible Gear Box Seal leak	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	8390	L Majoo,Electrician1
8392		Tighten Motor connections & Gland intergrity	0.5 hrs	Sun 07/05/23 12:30	Sun 07/05/23 13:00	8391	L Majoo,Electrician1
8393		Seal for Moisture and dust	0.25 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:15	8392	L Majoo,Electrician1
8394		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:30	8393	L Majoo,Electrician1
8395		Clear permit	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	8394	L Majoo,Electrician1
8396	**29C2GF02 N**	**A PRE-CRUSHER - Carry out general electrical maintenance**	**3.5 hrs**	**Sun 07/05/23 13:45**	**Sun 07/05/23 17:15**	**8383**	
8397		Make out permit	0.25 hrs	Sun 07/05/23 13:45	Sun 07/05/23 14:00		Operations
8398		Accept permit	0.25 hrs	Sun 07/05/23 14:00	Sun 07/05/23 14:15	8397	L Majoo,Electrician1
8399		Carry out electrical isolation	0.25 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:30	8398	L Majoo,Electrician1
8400		Check loose connections inside the panel	0.25 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:45	8399	L Majoo,Electrician1
8401		Service panel components & Clear dust	0.25 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:00	8400	L Majoo,Electrician1
8402		Replace Field Isolator	0.5 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:30	8401	L Majoo,Electrician1
8403		Check Motor Fans condition	0.25 hrs	Sun 07/05/23 15:30	Sun 07/05/23 15:45	8402	L Majoo,Electrician1
8404		Inspect for possible Gear Box Seal leak	0.25 hrs	Sun 07/05/23 15:45	Sun 07/05/23 16:00	8403	L Majoo,Electrician1
8405		Tighten Motor connections & Gland intergrity	0.5 hrs	Sun 07/05/23 16:00	Sun 07/05/23 16:30	8404	L Majoo,Electrician1
8406		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 16:30	Sun 07/05/23 16:45	8405	L Majoo,Electrician1
8407		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:00	8406	L Majoo,Electrician1
8408		Clear permit	0.25 hrs	Sun 07/05/23 17:00	Sun 07/05/23 17:15	8407	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8409	**29C2RM01**	**A1 STAR FEEDER - Carry out general electrical maintenance**	**3 hrs**	**Sun 07/05/23 17:15**	**Mon 08/05/23 09:15**	**8396**	
8410		Make out permit	0.25 hrs	Sun 07/05/23 17:15	Sun 07/05/23 17:30		Operations
8411		Accept permit	0.25 hrs	Sun 07/05/23 17:30	Sun 07/05/23 17:45	8410	L Majoo,Electrician1
8412		Carry out electrical isolation	0.25 hrs	Sun 07/05/23 17:45	Sun 07/05/23 18:00	8411	L Majoo,Electrician1
8413		Check loose connections inside the panel	0.25 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:15	8412	L Majoo,Electrician1
8414		Service panel components, VSD & Clear dust	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30	8413	L Majoo,Electrician1
8415		Service Field Isolator	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	8414	L Majoo,Electrician1
8416		Check Motor Fan condition	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	8415	L Majoo,Electrician1
8417		Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:15	8416	L Majoo,Electrician1
8418		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:30	8417	L Majoo,Electrician1
8419		Seal for Moisture and dust.	0.25 hrs	Mon 08/05/23 08:30	Mon 08/05/23 08:45	8418	L Majoo,Electrician1
8420		Confirm correct protection settings	0.25 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:00	8419	L Majoo,Electrician1
8421		Clear permit	0.25 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:15	8420	L Majoo,Electrician1
8422	**29C2RM03**	**A2 DOSING STAR FEEDER - Carry out general electrical maintenance**	**3 hrs**	**Thu 04/05/23 21:00**	**Fri 05/05/23 10:00**		
8423		Make out permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
8424		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8423	L Majoo,Electrician1
8425		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8424	L Majoo,Electrician1
8426		Check loose connections inside the panel	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	8425	L Majoo,Electrician1
8427		Service panel components, VSD & Clear dust	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	8426	L Majoo,Electrician1
8428		Replace Field Isolator	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	8427	L Majoo,Electrician1
8429		Check Motor Fan condition	0.25 hrs	Fri 05/05/23 08:30	Fri 05/05/23 08:45	8428	L Majoo,Electrician1
8430		Inspect for possible Gear Box Seal leak	0.25 hrs	Fri 05/05/23 08:45	Fri 05/05/23 09:00	8429	L Majoo,Electrician1
8431		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	8430	L Majoo,Electrician1
8432		Seal for Moisture and dust.	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30	8431	L Majoo,Electrician1
8433		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	8432	L Majoo,Electrician1
8434		Clear permit	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	8433	L Majoo,Electrician1
8435	**29C2RE01**	**A1 BELT CONVEYOR - Carry out general electrical maintenance**	**4 hrs**	**Fri 05/05/23 10:00**	**Fri 05/05/23 14:30**	**8422**	
8436		Make out permit	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15		Operations
8437		Accept permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	8436	L Majoo,Electrician1
8438		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	8437	L Majoo,Electrician1
8439		Check loose connections inside the panel	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00	8438	L Majoo,Electrician1
8440		Service panel components & clean dust	0.25 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:15	8439	L Majoo,Electrician1
8441		Service Field Isolator	0.25 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:30	8440	L Majoo,Electrician1
8442		Check underspeed sensor intergrity & circuit operation.	0.25 hrs	Fri 05/05/23 11:30	Fri 05/05/23 11:45	8441	L Majoo,Electrician1
8443		Service belt alignment and pull switches	0.25 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:00	8442	L Majoo,Electrician1
8444		Replace safe start siren	1 hr	Fri 05/05/23 12:30	Fri 05/05/23 13:30	8443	L Majoo,Electrician1
8445		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 05/05/23 13:30	Fri 05/05/23 13:45	8444	L Majoo,Electrician1
8446		Seal for Moisture and dust.	0.25 hrs	Fri 05/05/23 13:45	Fri 05/05/23 14:00	8445	L Majoo,Electrician1
8447		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:15	8446	L Majoo,Electrician1
8448		Clear permit	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	8447	L Majoo,Electrician1
8449	**29C2RE02**	**A2 BELT CONVEYOR - Carry out general electrical maintenance**	**3 hrs**	**Fri 05/05/23 14:30**	**Fri 05/05/23 17:30**	**8435**	
8450		Make out permit	0.25 hrs	Fri 05/05/23 14:30	Fri 05/05/23 14:45		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8451		Accept permit	0.25 hrs	Fri 05/05/23 14:45	Fri 05/05/23 15:00	8450	L Majoo,Electrician1
8452		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:15	8451	L Majoo,Electrician1
8453		Check loose connections inside the panel	0.25 hrs	Fri 05/05/23 15:15	Fri 05/05/23 15:30	8452	L Majoo,Electrician1
8454		Service panel components & clear dust	0.25 hrs	Fri 05/05/23 15:30	Fri 05/05/23 15:45	8453	L Majoo,Electrician1
8455		Service Field Isolator	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00	8454	L Majoo,Electrician1
8456		Check underspeed sensor intergrity & circuit operation.	0.25 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:15	8455	L Majoo,Electrician1
8457		Service safe start circuit & pull switches	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30	8456	L Majoo,Electrician1
8458		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	8457	L Majoo,Electrician1
8459		Seal for Moisture and dust.	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	8458	L Majoo,Electrician1
8460		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	8459	L Majoo,Electrician1
8461		Clear permit	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30	8460	L Majoo,Electrician1
8462	**29C2GF07**	**A1 FINE ROLLER CRUSHER - Carry out general electrical maintenance**	**3 hrs**	**Fri 05/05/23 17:30**	**Sat 06/05/23 09:30**	**8449**	
8463		Make out permit	0.25 hrs	Fri 05/05/23 17:30	Fri 05/05/23 17:45		Operations
8464		Accept permit	0.25 hrs	Fri 05/05/23 17:45	Fri 05/05/23 18:00	8463	L Majoo,Electrician1
8465		Carry out electrical isolation	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	8464	L Majoo,Electrician1
8466		Check loose connections inside the panel	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	8465	L Majoo,Electrician1
8467		Service panel components & clear dust	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45	8466	L Majoo,Electrician1
8468		check proximity switch, bracket & functionality	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	8467	L Majoo,Electrician1
8469		Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	8468	L Majoo,Electrician1
8470		Service Field Isolator	0.25 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:30	8469	L Majoo,Electrician1
8471		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	8470	L Majoo,Electrician1
8472		Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	8471	L Majoo,Electrician1
8473		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15	8472	L Majoo,Electrician1
8474		Clear permit	0.25 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:30	8473	L Majoo,Electrician1
8475	**29C2GF08**	**A2 FINE ROLLER CRUSHER - Carry out general electrical maintenance**	**3 hrs**	**Sat 06/05/23 09:30**	**Sat 06/05/23 13:00**	**8462**	
8476		Make out permit	0.25 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:45		Operations
8477		Accept permit	0.25 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:00	8476	L Majoo,Electrician1
8478		Carry out electrical isolation	0.25 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:15	8477	L Majoo,Electrician1
8479		Check loose connections inside the panel	0.25 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:30	8478	L Majoo,Electrician1
8480		Service panel components & clear dust	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45	8479	L Majoo,Electrician1
8481		check proximity switch, bracket & functionality	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	8480	L Majoo,Electrician1
8482		Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	8481	L Majoo,Electrician1
8483		Service Field Isolator	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	8482	L Majoo,Electrician1
8484		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 11:30	Sat 06/05/23 11:45	8483	L Majoo,Electrician1
8485		Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:00	8484	L Majoo,Electrician1
8486		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 12:30	Sat 06/05/23 12:45	8485	L Majoo,Electrician1
8487		Clear permit	0.25 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:00	8486	L Majoo,Electrician1
8488	**29C2GF03**	**A1 PRE-ROLLER CRUSHER - Carry out general electrical maintenance**	**3 hrs**	**Sat 06/05/23 13:00**	**Sat 06/05/23 16:00**	**8475**	
8489		Make out permit	0.25 hrs	Sat 06/05/23 13:00	Sat 06/05/23 13:15		Operations
8490		Accept permit	0.25 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:30	8489	L Majoo,Electrician1
8491		Carry out electrical isolation	0.25 hrs	Sat 06/05/23 13:30	Sat 06/05/23 13:45	8490	L Majoo,Electrician1
8492		Check loose connections inside the panel	0.25 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:00	8491	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8493		Service panel components & clear dust	0.25 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:15	8492	L Majoo,Electrician1
8494		check proximity switch, bracket & functionality	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	8493	L Majoo,Electrician1
8495		Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	8494	L Majoo,Electrician1
8496		Service Field Isolator	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	8495	L Majoo,Electrician1
8497		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15	8496	L Majoo,Electrician1
8498		Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	8497	L Majoo,Electrician1
8499		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 15:30	Sat 06/05/23 15:45	8498	L Majoo,Electrician1
8500		Clear permit	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00	8499	L Majoo,Electrician1
8501	**29C2GF04**	**A2 PRE-ROLLER CRUSHER - Carry out general electrical maintenance**	**3 hrs**	**Sat 06/05/23 16:00**	**Sun 07/05/23 08:00**	**8488**	
8502		Make out permit	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15		Operations
8503		Accept permit	0.25 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:30	8502	L Majoo,Electrician1
8504		Carry out electrical isolation	0.25 hrs	Sat 06/05/23 16:30	Sat 06/05/23 16:45	8503	L Majoo,Electrician1
8505		Check loose connections inside the panel	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00	8504	L Majoo,Electrician1
8506		Service panel components & clear dust	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15	8505	L Majoo,Electrician1
8507		check proximity switch, bracket & functionality	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	8506	L Majoo,Electrician1
8508		Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Sat 06/05/23 17:30	Sat 06/05/23 17:45	8507	L Majoo,Electrician1
8509		Service Field Isolator	0.25 hrs	Sat 06/05/23 17:45	Sat 06/05/23 18:00	8508	L Majoo,Electrician1
8510		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:15	8509	L Majoo,Electrician1
8511		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	8510	L Majoo,Electrician1
8512		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	8511	L Majoo,Electrician1
8513		Clear permit	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	8512	L Majoo,Electrician1
8514	**29C2GF05**	**A3 PRE-ROLLER CRUSHER - Carry out general electrical maintenance**	**3 hrs**	**Sun 07/05/23 08:00**	**Sun 07/05/23 11:00**	**8501**	
8515		Make out permit	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15		Operations
8516		Accept permit	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30	8515	L Majoo,Electrician1
8517		Carry out electrical isolation	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	8516	L Majoo,Electrician1
8518		Check loose connections inside the panel	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	8517	L Majoo,Electrician1
8519		Service panel components & clear dust	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	8518	L Majoo,Electrician1
8520		check proximity switch, bracket & functionality	0.25 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:30	8519	L Majoo,Electrician1
8521		Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Sun 07/05/23 09:30	Sun 07/05/23 09:45	8520	L Majoo,Electrician1
8522		Service Field Isolator	0.25 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:00	8521	L Majoo,Electrician1
8523		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:15	8522	L Majoo,Electrician1
8524		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:30	8523	L Majoo,Electrician1
8525		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 10:30	Sun 07/05/23 10:45	8524	L Majoo,Electrician1
8526		Clear permit	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	8525	L Majoo,Electrician1
8527	**29C2GF06**	**A4 PRE-ROLLER CRUSHER - Carry out general electrical maintenance**	**3 hrs**	**Sun 07/05/23 11:00**	**Sun 07/05/23 14:30**	**8514**	
8528		Make out permit	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15		Operations
8529		Accept permit	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30	8528	L Majoo,Electrician1
8530		Carry out electrical isolation	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	8529	L Majoo,Electrician1
8531		Check loose connections inside the panel	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	8530	L Majoo,Electrician1
8532		Service panel components & clear dust	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	8531	L Majoo,Electrician1
8533		check proximity switch, bracket & functionality	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	8532	L Majoo,Electrician1
8534		Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:15	8533	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8535		Service Field Isolator	0.25 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:30	8534	L Majoo,Electrician1
8536		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	8535	L Majoo,Electrician1
8537		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 13:45	Sun 07/05/23 14:00	8536	L Majoo,Electrician1
8538		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 14:00	Sun 07/05/23 14:15	8537	L Majoo,Electrician1
8539		Clear permit	0.25 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:30	8538	L Majoo,Electrician1
8540	**29C2GN01**	**A1 PRIMARY VIBRATING SCREEN - Carry out general electrical maintenance**	**9 hrs**	**Sun 14/05/23 16:15**	**Mon 15/05/23 14:45**	**10240**	
8541		Make out permit	0.25 hrs	Sun 14/05/23 16:15	Sun 14/05/23 16:30		Operations
8542		Accept permit	0.25 hrs	Sun 14/05/23 16:30	Sun 14/05/23 16:45	8541	L Majoo,Electrician1
8543		Carry out electrical isolation	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	8542	L Majoo,Electrician1
8544		Check loose connections inside the panel	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	8543	L Majoo,Electrician1
8545		Service panel components & clear dust	1 hr	Sun 14/05/23 17:15	Mon 15/05/23 07:15	8544	L Majoo,Electrician1
8546		Service field Terminal Box, replace worn out Clip-on terminals	1.5 hrs	Mon 15/05/23 07:15	Mon 15/05/23 08:45	8545	L Majoo,Electrician1
8547		Replace worn Butt terminals/Lugs	1.5 hrs	Mon 15/05/23 08:45	Mon 15/05/23 10:15	8546	L Majoo,Electrician1
8548		Check Protection Breakers for open circuit	0.5 hrs	Mon 15/05/23 10:15	Mon 15/05/23 10:45	8547	L Majoo,Electrician1
8549		Service Field Isolator	0.25 hrs	Mon 15/05/23 10:45	Mon 15/05/23 11:00	8548	L Majoo,Electrician1
8550		Test resistance for all coils	0.5 hrs	Mon 15/05/23 11:00	Mon 15/05/23 11:30	8549	L Majoo,Electrician1
8551		Label Controllers, current monitors & rear terminals	2 hrs	Mon 15/05/23 11:30	Mon 15/05/23 14:00	8550	L Majoo,Electrician1
8552		Confirm correct Current Monitor settings	0.25 hrs	Mon 15/05/23 14:00	Mon 15/05/23 14:15	8551	L Majoo,Electrician1
8553		Confirm correct protection settings	0.25 hrs	Mon 15/05/23 14:15	Mon 15/05/23 14:30	8552	L Majoo,Electrician1
8554		Clear permit	0.25 hrs	Mon 15/05/23 14:30	Mon 15/05/23 14:45	8553	L Majoo,Electrician1
8555	**29C2GN02**	**A2 PRIMARY VIBRATING SCREEN - Carry out general electrical maintenance**	**9 hrs**	**Mon 15/05/23 14:45**	**Tue 16/05/23 13:15**	**8540**	
8556		Make out permit	0.25 hrs	Mon 15/05/23 14:45	Mon 15/05/23 15:00		Operations
8557		Accept permit	0.25 hrs	Mon 15/05/23 15:00	Mon 15/05/23 15:15	8556	L Majoo,Electrician1
8558		Carry out electrical isolation	0.25 hrs	Mon 15/05/23 15:15	Mon 15/05/23 15:30	8557	L Majoo,Electrician1
8559		Check loose connections inside the panel	0.25 hrs	Mon 15/05/23 15:30	Mon 15/05/23 15:45	8558	L Majoo,Electrician1
8560		Service panel components & clear dust	1 hr	Mon 15/05/23 15:45	Mon 15/05/23 16:45	8559	L Majoo,Electrician1
8561		Service field Terminal Box, replace worn Clip-on terminals	1.5 hrs	Mon 15/05/23 16:45	Tue 16/05/23 07:15	8560	L Majoo,Electrician1
8562		Replace worn Butt terminals/Lugs	1.5 hrs	Tue 16/05/23 07:15	Tue 16/05/23 08:45	8561	L Majoo,Electrician1
8563		Check Protection Breakers for open circuit	0.5 hrs	Tue 16/05/23 08:45	Tue 16/05/23 09:15	8562	L Majoo,Electrician1
8564		Service Field Isolator	0.25 hrs	Tue 16/05/23 09:15	Tue 16/05/23 09:30	8563	L Majoo,Electrician1
8565		Test resistance for all coils	0.5 hrs	Tue 16/05/23 09:30	Tue 16/05/23 10:00	8564	L Majoo,Electrician1
8566		Label Controllers, current monitors & rear terminals	2 hrs	Tue 16/05/23 10:00	Tue 16/05/23 12:00	8565	L Majoo,Electrician1
8567		Confirm correct Current Monitor settings	0.25 hrs	Tue 16/05/23 12:30	Tue 16/05/23 12:45	8566	L Majoo,Electrician1
8568		Confirm correct protection settings	0.25 hrs	Tue 16/05/23 12:45	Tue 16/05/23 13:00	8567	L Majoo,Electrician1
8569		Clear permit	0.25 hrs	Tue 16/05/23 13:00	Tue 16/05/23 13:15	8568	L Majoo,Electrician1
8570	**29C2GN03**	**A3 PRIMARY VIBRATING SCREEN - Carry out general electrical maintenance**	**9 hrs**	**Tue 16/05/23 13:15**	**Wed 17/05/23 11:15**	**8555**	
8571		Make out permit	0.25 hrs	Tue 16/05/23 13:15	Tue 16/05/23 13:30		Operations
8572		Accept permit	0.25 hrs	Tue 16/05/23 13:30	Tue 16/05/23 13:45	8571	L Majoo,Electrician1
8573		Carry out electrical isolation	0.25 hrs	Tue 16/05/23 13:45	Tue 16/05/23 14:00	8572	L Majoo,Electrician1
8574		Check loose connections inside the panel	0.25 hrs	Tue 16/05/23 14:00	Tue 16/05/23 14:15	8573	L Majoo,Electrician1
8575		Service panel components & clear dust	1 hr	Tue 16/05/23 14:15	Tue 16/05/23 15:15	8574	L Majoo,Electrician1
8576		Service field Terminal Box, replace worn Clip-on terminals	1.5 hrs	Tue 16/05/23 15:15	Tue 16/05/23 16:45	8575	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8577		Replace worn Butt terminals/Lugs	1.5 hrs	Tue 16/05/23 16:45	Wed 17/05/23 07:15	8576	L Majoo,Electrician1
8578		Check Protection Breakers for open circuit	0.5 hrs	Wed 17/05/23 07:15	Wed 17/05/23 07:45	8577	L Majoo,Electrician1
8579		Service Field Isolator	0.25 hrs	Wed 17/05/23 07:45	Wed 17/05/23 08:00	8578	L Majoo,Electrician1
8580		Test resistance for all coils	0.5 hrs	Wed 17/05/23 08:00	Wed 17/05/23 08:30	8579	L Majoo,Electrician1
8581		Label Controllers, current monitors & rear terminals	2 hrs	Wed 17/05/23 08:30	Wed 17/05/23 10:30	8580	L Majoo,Electrician1
8582		Confirm correct Current Monitor settings	0.25 hrs	Wed 17/05/23 10:30	Wed 17/05/23 10:45	8581	L Majoo,Electrician1
8583		Confirm correct protection settings	0.25 hrs	Wed 17/05/23 10:45	Wed 17/05/23 11:00	8582	L Majoo,Electrician1
8584		Clear permit	0.25 hrs	Wed 17/05/23 11:00	Wed 17/05/23 11:15	8583	L Majoo,Electrician1
8585	**29C2GN04**	**A4 PRIMARY VIBRATING SCREEN - Carry out general electrical maintenance**	**9 hrs**	**Wed 17/05/23 11:15**	**Thu 18/05/23 09:45**	**8570**	
8586		Make out permit	0.25 hrs	Wed 17/05/23 11:15	Wed 17/05/23 11:30		Operations
8587		Accept permit	0.25 hrs	Wed 17/05/23 11:30	Wed 17/05/23 11:45	8586	L Majoo,Electrician1
8588		Carry out electrical isolation	0.25 hrs	Wed 17/05/23 11:45	Wed 17/05/23 12:00	8587	L Majoo,Electrician1
8589		Check loose connections inside the panel	0.25 hrs	Wed 17/05/23 12:30	Wed 17/05/23 12:45	8588	L Majoo,Electrician1
8590		Service panel components & clear dust	1 hr	Wed 17/05/23 12:45	Wed 17/05/23 13:45	8589	L Majoo,Electrician1
8591		Service field Terminal Box, replace worn Clip-on terminals	1.5 hrs	Wed 17/05/23 13:45	Wed 17/05/23 15:15	8590	L Majoo,Electrician1
8592		Replace worn Butt terminals/Lugs	1.5 hrs	Wed 17/05/23 15:15	Wed 17/05/23 16:45	8591	L Majoo,Electrician1
8593		Check Protection Breakers for open circuit	0.5 hrs	Wed 17/05/23 16:45	Wed 17/05/23 17:15	8592	L Majoo,Electrician1
8594		Service Field Isolator	0.25 hrs	Wed 17/05/23 17:15	Wed 17/05/23 17:30	8593	L Majoo,Electrician1
8595		Test resistance for all coils	0.5 hrs	Wed 17/05/23 17:30	Wed 17/05/23 18:00	8594	L Majoo,Electrician1
8596		Label Controllers, current monitors & rear terminals	2 hrs	Thu 18/05/23 07:00	Thu 18/05/23 09:00	8595	L Majoo,Electrician1
8597		Confirm correct Current Monitor settings	0.25 hrs	Thu 18/05/23 09:00	Thu 18/05/23 09:15	8596	L Majoo,Electrician1
8598		Confirm correct protection settings	0.25 hrs	Thu 18/05/23 09:15	Thu 18/05/23 09:30	8597	L Majoo,Electrician1
8599		Clear permit	0.25 hrs	Thu 18/05/23 09:30	Thu 18/05/23 09:45	8598	L Majoo,Electrician1
8600	**29C2GN05**	**A1 SECONDARY VIBRATING SCREEN - Carry out general electrical maintenance**	**8.75 hrs**	**Thu 04/05/23 21:00**	**Fri 05/05/23 16:15**		
8601		Make out permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
8602		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8601	L Majoo,Electrician1
8603		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8602	L Majoo,Electrician1
8604		Check loose connections inside the panel	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	8603	L Majoo,Electrician1
8605		Service panel components & clear dust	1 hr	Fri 05/05/23 07:45	Fri 05/05/23 08:45	8604	L Majoo,Electrician1
8606		Service field Terminal Box, replace worn Clip-on terminals	1.5 hrs	Fri 05/05/23 08:45	Fri 05/05/23 10:15	8605	L Majoo,Electrician1
8607		Replace worn Butt terminals/Lugs	1.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 11:45	8606	L Majoo,Electrician1
8608		Check Protection Breakers for open circuit	0.5 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:45	8607	L Majoo,Electrician1
8609		Service Field Isolator	0.25 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:00	8608	L Majoo,Electrician1
8610		Test resistance for all coils	0.5 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:30	8609	L Majoo,Electrician1
8611		Label Controllers, current monitors & rear terminals	2 hrs	Fri 05/05/23 13:30	Fri 05/05/23 15:30	8610	L Majoo,Electrician1
8612		Confirm correct Current Monitor settings	0.25 hrs	Fri 05/05/23 15:30	Fri 05/05/23 15:45	8611	L Majoo,Electrician1
8613		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00	8612	L Majoo,Electrician1
8614		Clear permit	0.25 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:15	8613	L Majoo,Electrician1
8615	**29C2GN06**	**A2 SECONDARY VIBRATING SCREEN - Services Coils, Field DB and carry out general electrical maintenance**	**9 hrs**	**Fri 05/05/23 16:15**	**Sat 06/05/23 14:45**	**8600**	
8616		Make out permit	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30		Operations
8617		Accept permit	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	8616	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8618		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	8617	L Majoo,Electrician1
8619		Check loose connections inside the panel	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	8618	L Majoo,Electrician1
8620		Service panel components & clear dust	1 hr	Fri 05/05/23 17:15	Sat 06/05/23 07:15	8619	L Majoo,Electrician1
8621		Service field Terminal Box, replace worn Clip-on terminals	1.5 hrs	Sat 06/05/23 07:15	Sat 06/05/23 08:45	8620	L Majoo,Electrician1
8622		Replace worn Butt terminals/Lugs	1.5 hrs	Sat 06/05/23 08:45	Sat 06/05/23 10:15	8621	L Majoo,Electrician1
8623		Check Protection Breakers for open circuit	0.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:45	8622	L Majoo,Electrician1
8624		Service Field Isolator	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	8623	L Majoo,Electrician1
8625		Test resistance for all coils	0.5 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:30	8624	L Majoo,Electrician1
8626		Label Controllers, current monitors & rear terminals	2 hrs	Sat 06/05/23 11:30	Sat 06/05/23 14:00	8625	L Majoo,Electrician1
8627		Confirm correct Current Monitor settings	0.25 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:15	8626	L Majoo,Electrician1
8628		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	8627	L Majoo,Electrician1
8629		Clear permit	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	8628	L Majoo,Electrician1
8630	**29C2RH01**	**A1 VIBRATING DISTRIBUTOR - Carry out general electrical maintenance**	**10.75 hrs**	**Sat 06/05/23 14:45**	**Sun 07/05/23 15:00**	**8615**	
8631		Make out permit	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00		Operations
8632		Accept permit	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15	8631	L Majoo,Electrician1
8633		Carry out electrical isolation	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	8632	L Majoo,Electrician1
8634		Remove control card	0.5 hrs	Sat 06/05/23 15:30	Sat 06/05/23 16:00	8633	L Majoo,Electrician1
8635		Wash and dry card	6 hrs	Sat 06/05/23 16:00	Sun 07/05/23 11:00	8634	L Majoo,Electrician1
8636		Tighten Ash Electrical connections in the panel	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	8635	L Majoo,Electrician1
8637		Service panel components & Clear dust	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30	8636	L Majoo,Electrician1
8638		Service Field Isolator	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	8637	L Majoo,Electrician1
8639		Check Coil supply cables for damage	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	8638	L Majoo,Electrician1
8640		Clear dust inside Armature assembly	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	8639	L Majoo,Electrician1
8641		Set gap between Coil and armature core	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	8640	L Majoo,Electrician1
8642		Install card	0.5 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:30	8641	L Majoo,Electrician1
8643		Ensure all adjusting screws are functional	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	8642	L Majoo,Electrician1
8644		Tighten Coil mounting screw	0.25 hrs	Sun 07/05/23 13:45	Sun 07/05/23 14:00	8643	L Majoo,Electrician1
8645		Seal amateur openings	0.5 hrs	Sun 07/05/23 14:00	Sun 07/05/23 14:30	8644	L Majoo,Electrician1
8646		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:45	8645	L Majoo,Electrician1
8647		Clear permit	0.25 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:00	8646	L Majoo,Electrician1
8648	**29C2RH02**	**A2 VIBRATING DISTRIBUTOR - Carry out general electrical maintenance**	**10.75 hrs**	**Sun 07/05/23 15:00**	**Mon 08/05/23 15:15**	**8630**	
8649		Make out permit	0.25 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:15		Operations
8650		Accept permit	0.25 hrs	Sun 07/05/23 15:15	Sun 07/05/23 15:30	8649	L Majoo,Electrician1
8651		Carry out electrical isolation	0.25 hrs	Sun 07/05/23 15:30	Sun 07/05/23 15:45	8650	L Majoo,Electrician1
8652		Remove control card	0.5 hrs	Sun 07/05/23 15:45	Sun 07/05/23 16:15	8651	L Majoo,Electrician1
8653		Wash and dry card	6 hrs	Sun 07/05/23 16:15	Mon 08/05/23 11:15	8652	L Majoo,Electrician1
8654		Tighten Ash Electrical connections in the panel	0.25 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:30	8653	L Majoo,Electrician1
8655		Service panel components & Clear dust	0.25 hrs	Mon 08/05/23 11:30	Mon 08/05/23 11:45	8654	L Majoo,Electrician1
8656		Service Field Isolator	0.25 hrs	Mon 08/05/23 11:45	Mon 08/05/23 12:00	8655	L Majoo,Electrician1
8657		Check Coil supply cables for damage	0.25 hrs	Mon 08/05/23 12:30	Mon 08/05/23 12:45	8656	L Majoo,Electrician1
8658		Clear dust inside Armature assembly	0.25 hrs	Mon 08/05/23 12:45	Mon 08/05/23 13:00	8657	L Majoo,Electrician1
8659		Set gap between Coil and armature core	0.25 hrs	Mon 08/05/23 13:00	Mon 08/05/23 13:15	8658	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8660		Install card	0.5 hrs	Mon 08/05/23 13:15	Mon 08/05/23 13:45	8659	L Majoo,Electrician1
8661		Ensure all adjusting screws are functional	0.25 hrs	Mon 08/05/23 13:45	Mon 08/05/23 14:00	8660	L Majoo,Electrician1
8662		Tighten Coil mounting screw	0.25 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:15	8661	L Majoo,Electrician1
8663		Seal amateur openings	0.5 hrs	Mon 08/05/23 14:15	Mon 08/05/23 14:45	8662	L Majoo,Electrician1
8664		Confirm correct protection settings	0.25 hrs	Mon 08/05/23 14:45	Mon 08/05/23 15:00	8663	L Majoo,Electrician1
8665		Clear permit	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	8664	L Majoo,Electrician1
8666	**29C2RH03**	**A3 VIBRATING DISTRIBUTOR - Carry out general electrical maintenance**	**10.75 hrs**	**Mon 08/05/23 15:15**	**Tue 09/05/23 15:30**	**8648**	
8667		Make out permit	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30		Operations
8668		Accept permit	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	8667	L Majoo,Electrician1
8669		Carry out electrical isolation	0.25 hrs	Mon 08/05/23 15:45	Mon 08/05/23 16:00	8668	L Majoo,Electrician1
8670		Remove control card	0.5 hrs	Mon 08/05/23 16:00	Mon 08/05/23 16:30	8669	L Majoo,Electrician1
8671		Wash and dry card	6 hrs	Mon 08/05/23 16:30	Tue 09/05/23 11:30	8670	L Majoo,Electrician1
8672		Tighten Ash Electrical connections in the panel	0.25 hrs	Tue 09/05/23 11:30	Tue 09/05/23 11:45	8671	L Majoo,Electrician1
8673		Service panel components & Clear dust	0.25 hrs	Tue 09/05/23 11:45	Tue 09/05/23 12:00	8672	L Majoo,Electrician1
8674		Service Field Isolator	0.25 hrs	Tue 09/05/23 12:30	Tue 09/05/23 12:45	8673	L Majoo,Electrician1
8675		Check Coil supply cables for damage	0.25 hrs	Tue 09/05/23 12:45	Tue 09/05/23 13:00	8674	L Majoo,Electrician1
8676		Clear dust inside Armature assembly	0.25 hrs	Tue 09/05/23 13:00	Tue 09/05/23 13:15	8675	L Majoo,Electrician1
8677		Set gap between Coil and armature core	0.25 hrs	Tue 09/05/23 13:15	Tue 09/05/23 13:30	8676	L Majoo,Electrician1
8678		Install card	0.5 hrs	Tue 09/05/23 13:30	Tue 09/05/23 14:00	8677	L Majoo,Electrician1
8679		Ensure all adjusting screws are functional	0.25 hrs	Tue 09/05/23 14:00	Tue 09/05/23 14:15	8678	L Majoo,Electrician1
8680		Tighten Coil mounting screw	0.25 hrs	Tue 09/05/23 14:15	Tue 09/05/23 14:30	8679	L Majoo,Electrician1
8681		Seal amateur openings	0.5 hrs	Tue 09/05/23 14:30	Tue 09/05/23 15:00	8680	L Majoo,Electrician1
8682		Confirm correct protection settings	0.25 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:15	8681	L Majoo,Electrician1
8683		Clear permit	0.25 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:30	8682	L Majoo,Electrician1
8684	**29C2RH04**	**A4 VIBRATING DISTRIBUTOR - Carry out general electrical maintenance**	**10.75 hrs**	**Tue 09/05/23 15:30**	**Wed 10/05/23 15:45**	**8666**	
8685		Make out permit	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45		Operations
8686		Accept permit	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	8685	L Majoo,Electrician1
8687		Carry out electrical isolation	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	8686	L Majoo,Electrician1
8688		Remove control card	0.5 hrs	Tue 09/05/23 16:15	Tue 09/05/23 16:45	8687	L Majoo,Electrician1
8689		Wash and dry card	6 hrs	Tue 09/05/23 16:45	Wed 10/05/23 11:45	8688	L Majoo,Electrician1
8690		Tighten Ash Electrical connections in the panel	0.25 hrs	Wed 10/05/23 11:45	Wed 10/05/23 12:00	8689	L Majoo,Electrician1
8691		Service panel components & Clear dust	0.25 hrs	Wed 10/05/23 12:30	Wed 10/05/23 12:45	8690	L Majoo,Electrician1
8692		Service Field Isolator	0.25 hrs	Wed 10/05/23 12:45	Wed 10/05/23 13:00	8691	L Majoo,Electrician1
8693		Check Coil supply cables for damage	0.25 hrs	Wed 10/05/23 13:00	Wed 10/05/23 13:15	8692	L Majoo,Electrician1
8694		Clear dust inside Armature assembly	0.25 hrs	Wed 10/05/23 13:15	Wed 10/05/23 13:30	8693	L Majoo,Electrician1
8695		Set gap between Coil and armature core	0.25 hrs	Wed 10/05/23 13:30	Wed 10/05/23 13:45	8694	L Majoo,Electrician1
8696		Install card	0.5 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:15	8695	L Majoo,Electrician1
8697		Ensure all adjusting screws are functional	0.25 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:30	8696	L Majoo,Electrician1
8698		Tighten Coil mounting screw	0.25 hrs	Wed 10/05/23 14:30	Wed 10/05/23 14:45	8697	L Majoo,Electrician1
8699		Seal amateur openings	0.5 hrs	Wed 10/05/23 14:45	Wed 10/05/23 15:15	8698	L Majoo,Electrician1
8700		Confirm correct protection settings	0.25 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:30	8699	L Majoo,Electrician1
8701		Clear permit	0.25 hrs	Wed 10/05/23 15:30	Wed 10/05/23 15:45	8700	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8702	**29C2RF01**	**A1 CHAIN CONVEYOR - Carry out general electrical maintenance**	**19.75 hrs**	**Thu 04/05/23 21:00**	**Sat 06/05/23 16:45**		
8703		Make out permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
8704		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8703	L Majoo,Electrician1
8705		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8704	L Majoo,Electrician1
8706		Disconnect and remove motor and send for repairs	2 hrs	Fri 05/05/23 07:30	Fri 05/05/23 09:30	8705	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8707		Check loose connections in the panel	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	8706	L Majoo,Electrician1
8708		Service panel components & Clear dust	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	8707	L Majoo,Electrician1
8709		Service Field isolator	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	8708	L Majoo,Electrician1
8710		Replace geared unit	12 hrs	Fri 05/05/23 10:15	Sat 06/05/23 11:45	8709	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8711		Connect motor	2 hrs	Sat 06/05/23 11:45	Sat 06/05/23 14:15	8710	L Majoo,Electrician1
8712		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	8711	L Majoo,Electrician1
8713		Service safe start circuit	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	8712	L Majoo,Electrician1
8714		Replace safe start siren	1 hr	Sat 06/05/23 14:45	Sat 06/05/23 15:45	8713	L Majoo,Electrician1
8715		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00	8714	L Majoo,Electrician1
8716		Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	8715	L Majoo,Electrician1
8717		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:30	8716	L Majoo,Electrician1
8718		Clear permit	0.25 hrs	Sat 06/05/23 16:30	Sat 06/05/23 16:45	8717	L Majoo,Electrician1
8719	**29C2RF02**	**A2 CHAIN CONVEYOR - Carry out general electrical maintenance**	**20 hrs**	**Sat 06/05/23 16:45**	**Mon 08/05/23 15:45**	**8702**	
8720		Make out permit	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00		Operations
8721		Accept permit	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15	8720	L Majoo,Electrician1
8722		Carry out electrical isolation	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	8721	L Majoo,Electrician1
8723		Disconnect and remove motor and send for repairs	2 hrs	Sat 06/05/23 17:30	Sun 07/05/23 08:30	8722	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8724		Check loose connections in the panel	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	8723	L Majoo,Electrician1
8725		Service panel components & Clear dust	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	8724	L Majoo,Electrician1
8726		Service Field isolator	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	8725	L Majoo,Electrician1
8727		Replace geared unit	12 hrs	Sun 07/05/23 09:15	Mon 08/05/23 10:45	8726	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8728		Connect motor	2 hrs	Mon 08/05/23 10:45	Mon 08/05/23 13:15	8727	L Majoo,Electrician1
8729		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Mon 08/05/23 13:15	Mon 08/05/23 13:30	8728	L Majoo,Electrician1
8730		Service safe start circuit	0.25 hrs	Mon 08/05/23 13:30	Mon 08/05/23 13:45	8729	L Majoo,Electrician1
8731		Replace safe start siren	1 hr	Mon 08/05/23 13:45	Mon 08/05/23 14:45	8730	L Majoo,Electrician1
8732		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 08/05/23 14:45	Mon 08/05/23 15:00	8731	L Majoo,Electrician1
8733		Seal for Moisture and dust.	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	8732	L Majoo,Electrician1
8734		Confirm correct protection settings	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30	8733	L Majoo,Electrician1
8735		Clear permit	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	8734	L Majoo,Electrician1
8736	**29C2RF03**	**A3 CHAIN CONVEYOR - Carry out general electrical maintenance**	**20 hrs**	**Mon 08/05/23 15:45**	**Wed 10/05/23 14:45**	**8719**	
8737		Make out permit	0.25 hrs	Mon 08/05/23 15:45	Mon 08/05/23 16:00		Operations
8738		Accept permit	0.25 hrs	Mon 08/05/23 16:00	Mon 08/05/23 16:15	8737	L Majoo,Electrician1
8739		Carry out electrical isolation	0.25 hrs	Mon 08/05/23 16:15	Mon 08/05/23 16:30	8738	L Majoo,Electrician1
8740		Disconnect and remove motor and send for repairs	2 hrs	Mon 08/05/23 16:30	Tue 09/05/23 07:30	8739	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8741		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	8740	L Majoo,Electrician1
8742		Service panel components & Clear dust	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	8741	L Majoo,Electrician1
8743		Service Field isolator	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	8742	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8744		Replace geared unit	12 hrs	Tue 09/05/23 08:15	Wed 10/05/23 09:45	8743	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8745		Connect motor	2 hrs	Wed 10/05/23 09:45	Wed 10/05/23 11:45	8744	L Majoo,Electrician1
8746		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Wed 10/05/23 11:45	Wed 10/05/23 12:00	8745	L Majoo,Electrician1
8747		Service safe start circuit	0.25 hrs	Wed 10/05/23 12:30	Wed 10/05/23 12:45	8746	L Majoo,Electrician1
8748		Replace safe start siren	1 hr	Wed 10/05/23 12:45	Wed 10/05/23 13:45	8747	L Majoo,Electrician1
8749		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:00	8748	L Majoo,Electrician1
8750		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:15	8749	L Majoo,Electrician1
8751		Confirm correct protection settings	0.25 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:30	8750	L Majoo,Electrician1
8752		Clear permit	0.25 hrs	Wed 10/05/23 14:30	Wed 10/05/23 14:45	8751	L Majoo,Electrician1
8753	**29C2RF04**	**A4 CHAIN CONVEYOR - Carry out general electrical maintenance**	**20 hrs**	**Wed 10/05/23 14:45**	**Fri 12/05/23 13:45**	**8736**	
8754		Make out permit	0.25 hrs	Wed 10/05/23 14:45	Wed 10/05/23 15:00		Operations
8755		Accept permit	0.25 hrs	Wed 10/05/23 15:00	Wed 10/05/23 15:15	8754	L Majoo,Electrician1
8756		Carry out electrical isolation	0.25 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:30	8755	L Majoo,Electrician1
8757		Disconnect and remove motor and send for repairs	2 hrs	Wed 10/05/23 15:30	Wed 10/05/23 17:30	8756	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8758		Check loose connections in the panel	0.25 hrs	Wed 10/05/23 17:30	Wed 10/05/23 17:45	8757	L Majoo,Electrician1
8759		Service panel components & Clear dust	0.25 hrs	Wed 10/05/23 17:45	Wed 10/05/23 18:00	8758	L Majoo,Electrician1
8760		Service Field isolator	0.25 hrs	Thu 11/05/23 07:00	Thu 11/05/23 07:15	8759	L Majoo,Electrician1
8761		Replace geared unit	12 hrs	Thu 11/05/23 07:15	Fri 12/05/23 08:45	8760	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8762		Connect motor	2 hrs	Fri 12/05/23 08:45	Fri 12/05/23 10:45	8761	L Majoo,Electrician1
8763		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	8762	L Majoo,Electrician1
8764		Service safe start circuit	0.25 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:15	8763	L Majoo,Electrician1
8765		Replace safe start siren	1 hr	Fri 12/05/23 11:15	Fri 12/05/23 12:45	8764	L Majoo,Electrician1
8766		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:00	8765	L Majoo,Electrician1
8767		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:15	8766	L Majoo,Electrician1
8768		Confirm correct protection settings	0.25 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:30	8767	L Majoo,Electrician1
8769		Clear permit	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45	8768	L Majoo,Electrician1
8770	**29C2RF05**	**A5 CHAIN CONVEYOR - Carry out general electrical maintenance**	**20 hrs**	**Fri 12/05/23 13:45**	**Sun 14/05/23 12:45**	**8753**	
8771		Make out permit	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00		Operations
8772		Accept permit	0.25 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:15	8771	L Majoo,Electrician1
8773		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30	8772	L Majoo,Electrician1
8774		Disconnect and remove motor and send for repairs	2 hrs	Fri 12/05/23 14:30	Fri 12/05/23 16:30	8773	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8775		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 16:30	Fri 12/05/23 16:45	8774	L Majoo,Electrician1
8776		Service panel components & Clear dust	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	8775	L Majoo,Electrician1
8777		Service Field isolator	0.25 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:15	8776	L Majoo,Electrician1
8778		Replace geared unit	12 hrs	Fri 12/05/23 17:15	Sun 14/05/23 07:45	8777	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8779		Connect motor	2 hrs	Sun 14/05/23 07:45	Sun 14/05/23 09:45	8778	L Majoo,Electrician1
8780		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sun 14/05/23 09:45	Sun 14/05/23 10:00	8779	L Majoo,Electrician1
8781		Service safe start circuit	0.25 hrs	Sun 14/05/23 10:00	Sun 14/05/23 10:15	8780	L Majoo,Electrician1
8782		Replace safe start siren	1 hr	Sun 14/05/23 10:15	Sun 14/05/23 11:15	8781	L Majoo,Electrician1
8783		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:30	8782	L Majoo,Electrician1
8784		Seal for Moisture and dust.	0.25 hrs	Sun 14/05/23 11:30	Sun 14/05/23 11:45	8783	L Majoo,Electrician1
8785		Confirm correct protection settings	0.25 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:00	8784	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8786		Clear permit	0.25 hrs	Sun 14/05/23 12:30	Sun 14/05/23 12:45	8785	L Majoo,Electrician1
8787	**29C2RF06**	**A6 CHAIN CONVEYOR - Carry out general electrical maintenance**	**20 hrs**	**Sun 14/05/23 12:45**	**Tue 16/05/23 11:15**	**8770**	
8788		Make out permit	0.25 hrs	Sun 14/05/23 12:45	Sun 14/05/23 13:00		Operations
8789		Accept permit	0.25 hrs	Sun 14/05/23 13:00	Sun 14/05/23 13:15	8788	L Majoo,Electrician1
8790		Carry out electrical isolation	0.25 hrs	Sun 14/05/23 13:15	Sun 14/05/23 13:30	8789	L Majoo,Electrician1
8791		Disconnect and remove motor and send for repairs	2 hrs	Sun 14/05/23 13:30	Sun 14/05/23 15:30	8790	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8792		Check loose connections in the panel	0.25 hrs	Sun 14/05/23 15:30	Sun 14/05/23 15:45	8791	L Majoo,Electrician1
8793		Service panel components & Clear dust	0.25 hrs	Sun 14/05/23 15:45	Sun 14/05/23 16:00	8792	L Majoo,Electrician1
8794		Service Field isolator	0.25 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:15	8793	L Majoo,Electrician1
8795		Replace geared unit	12 hrs	Sun 14/05/23 16:15	Mon 15/05/23 17:45	8794	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8796		Connect motor	2 hrs	Mon 15/05/23 17:45	Tue 16/05/23 08:45	8795	L Majoo,Electrician1
8797		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Tue 16/05/23 08:45	Tue 16/05/23 09:00	8796	L Majoo,Electrician1
8798		Service safe start circuit	0.25 hrs	Tue 16/05/23 09:00	Tue 16/05/23 09:15	8797	L Majoo,Electrician1
8799		Replace safe start siren	1 hr	Tue 16/05/23 09:15	Tue 16/05/23 10:15	8798	L Majoo,Electrician1
8800		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 16/05/23 10:15	Tue 16/05/23 10:30	8799	L Majoo,Electrician1
8801		Seal for Moisture and dust.	0.25 hrs	Tue 16/05/23 10:30	Tue 16/05/23 10:45	8800	L Majoo,Electrician1
8802		Confirm correct protection settings	0.25 hrs	Tue 16/05/23 10:45	Tue 16/05/23 11:00	8801	L Majoo,Electrician1
8803		Clear permit	0.25 hrs	Tue 16/05/23 11:00	Tue 16/05/23 11:15	8802	L Majoo,Electrician1
8804	**29C2RF08**	**A7 CHAIN CONVEYOR - Carry out general electrical maintenance**	**20 hrs**	**Tue 16/05/23 11:15**	**Thu 18/05/23 10:15**	**8787**	
8805		Make out permit	0.25 hrs	Tue 16/05/23 11:15	Tue 16/05/23 11:30		Operations
8806		Accept permit	0.25 hrs	Tue 16/05/23 11:30	Tue 16/05/23 11:45	8805	L Majoo,Electrician1
8807		Carry out electrical isolation	0.25 hrs	Tue 16/05/23 11:45	Tue 16/05/23 12:00	8806	L Majoo,Electrician1
8808		Disconnect and remove motor and send for repairs	2 hrs	Tue 16/05/23 12:30	Tue 16/05/23 14:30	8807	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8809		Check loose connections in the panel	0.25 hrs	Tue 16/05/23 14:30	Tue 16/05/23 14:45	8808	L Majoo,Electrician1
8810		Service panel components & Clear dust	0.25 hrs	Tue 16/05/23 14:45	Tue 16/05/23 15:00	8809	L Majoo,Electrician1
8811		Service Field isolator	0.25 hrs	Tue 16/05/23 15:00	Tue 16/05/23 15:15	8810	L Majoo,Electrician1
8812		Replace geared unit	12 hrs	Tue 16/05/23 15:15	Wed 17/05/23 16:45	8811	B Thuso,L Nakedi,S Tlou,G Moeseraela,
8813		Connect motor	2 hrs	Wed 17/05/23 16:45	Thu 18/05/23 07:45	8812	L Majoo,Electrician1
8814		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Thu 18/05/23 07:45	Thu 18/05/23 08:00	8813	L Majoo,Electrician1
8815		Service safe start circuit	0.25 hrs	Thu 18/05/23 08:00	Thu 18/05/23 08:15	8814	L Majoo,Electrician1
8816		Replace safe start siren	1 hr	Thu 18/05/23 08:15	Thu 18/05/23 09:15	8815	L Majoo,Electrician1
8817		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 18/05/23 09:15	Thu 18/05/23 09:30	8816	L Majoo,Electrician1
8818		Seal for Moisture and dust.	0.25 hrs	Thu 18/05/23 09:30	Thu 18/05/23 09:45	8817	L Majoo,Electrician1
8819		Confirm correct protection settings	0.25 hrs	Thu 18/05/23 09:45	Thu 18/05/23 10:00	8818	L Majoo,Electrician1
8820		Clear permit	0.25 hrs	Thu 18/05/23 10:00	Thu 18/05/23 10:15	8819	L Majoo,Electrician1
8821	**29C2GP01**	**COMPACTOR A TRANSFER SCREW - Carry out general electrical maintenance**	**3.5 hrs**	**Fri 05/05/23 07:00**	**Fri 05/05/23 10:30**		
8822		Make out permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		L Majoo,Electrician1
8823		Accept permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8822	L Majoo,Electrician1
8824		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	8823	L Majoo,Electrician1
8825		Check loose connections in the panel	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	8824	L Majoo,Electrician1
8826		Check Contactor contacts/soft starter connetions	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	8825	L Majoo,Electrician1
8827		Confirm correct setting of protections	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	8826	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8828		Service Stop/start	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	8827	L Majoo,Electrician1
8829		Check motor fan condition	0.5 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:30	8828	L Majoo,Electrician1
8830		Check cable terminal leads for over heating	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	8829	L Majoo,Electrician1
8831		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	8830	L Majoo,Electrician1
8832		Seal for Moisture and dust.	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	8831	L Majoo,Electrician1
8833		Clear permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	8832	L Majoo,Electrician1
8834		**INSTRUMENTATION**	**31.5 hrs**	**Thu 04/05/23 21:00**	**Sun 07/05/23 18:00**	**7052**	
8835	**29C6F131**	**# A COMPACTOR LUBE OIL SYSTEM - inspect the system**	**6.5 hrs**	**Thu 04/05/23 21:00**	**Fri 05/05/23 14:00**		
8836		Make out permit	0.25 hrs	Thu 04/05/23 21:00	Thu 04/05/23 21:15		Operations
8837		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8836	O Jacob,K Dijeng
8838		Clean flow sensors	2 hrs	Fri 05/05/23 07:15	Fri 05/05/23 09:15	8837	O Jacob,K Dijeng
8839		Inspect level switch	2 hrs	Fri 05/05/23 09:15	Fri 05/05/23 11:15	8838	O Jacob,K Dijeng
8840		Inspect temperature probe	2 hrs	Fri 05/05/23 11:15	Fri 05/05/23 13:45	8839	O Jacob,K Dijeng
8841		Clear permit	0.25 hrs	Fri 05/05/23 13:45	Fri 05/05/23 14:00	8840	O Jacob,K Dijeng
8842	**29C2PF01**	**# A HYDRAULIC SYSTEM - inspect charging and dumping system**	**3 hrs**	**Fri 05/05/23 14:00**	**Fri 05/05/23 17:00**	**8835**	
8843		Make out permit	0.25 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:15		Operations
8844		Accept permit	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	8843	O Jacob,K Dijeng
8845		Inspect Charging system	1 hr	Fri 05/05/23 14:30	Fri 05/05/23 15:30	8844	O Jacob,K Dijeng
8846		Inspect dumping system	1 hr	Fri 05/05/23 15:30	Fri 05/05/23 16:30	8845	O Jacob,K Dijeng
8847		Clear permit	0.5 hrs	Fri 05/05/23 16:30	Fri 05/05/23 17:00	8846	O Jacob,K Dijeng
8848	**29C2GF07**	**# A1 FINE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Fri 05/05/23 07:00**	**Fri 05/05/23 12:45**		
8849		Make out permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		O Jacob,K Dijeng
8850		Accept permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8849	O Jacob,K Dijeng
8851		Inspect cylinder	1 hr	Fri 05/05/23 07:30	Fri 05/05/23 08:30	8850	O Jacob,K Dijeng
8852		Inspect solenoid valve	1 hr	Fri 05/05/23 08:30	Fri 05/05/23 09:30	8851	O Jacob,K Dijeng
8853		Possible repairs	2 hrs	Fri 05/05/23 09:30	Fri 05/05/23 11:30	8852	O Jacob,K Dijeng
8854		Test and commission	0.5 hrs	Fri 05/05/23 11:30	Fri 05/05/23 12:00	8853	O Jacob,K Dijeng
8855		Clear permit	0.25 hrs	Fri 05/05/23 12:30	Fri 05/05/23 12:45	8854	O Jacob,K Dijeng
8856	**29C2GF08**	**# A2 FINE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Fri 05/05/23 12:45**	**Fri 05/05/23 18:00**	**8848**	
8857		Make out permit	0.25 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:00		O Jacob,K Dijeng
8858		Accept permit	0.25 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:15	8857	O Jacob,K Dijeng
8859		Inspect cylinder	1 hr	Fri 05/05/23 13:15	Fri 05/05/23 14:15	8858	O Jacob,K Dijeng
8860		Inspect solenoid valve	1 hr	Fri 05/05/23 14:15	Fri 05/05/23 15:15	8859	O Jacob,K Dijeng
8861		Possible repairs	2 hrs	Fri 05/05/23 15:15	Fri 05/05/23 17:15	8860	O Jacob,K Dijeng
8862		Test and commission	0.5 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:45	8861	O Jacob,K Dijeng
8863		Clear permit	0.25 hrs	Fri 05/05/23 17:45	Fri 05/05/23 18:00	8862	O Jacob,K Dijeng
8864	**29C2GF03**	**# A3 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Sat 06/05/23 07:00**	**Sat 06/05/23 12:45**	**8856**	
8865		Make out permit	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15		O Jacob,K Dijeng
8866		Accept permit	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	8865	O Jacob,K Dijeng
8867		Inspect cylinder	1 hr	Sat 06/05/23 07:30	Sat 06/05/23 08:30	8866	O Jacob,K Dijeng
8868		Inspect solenoid valve	1 hr	Sat 06/05/23 08:30	Sat 06/05/23 09:30	8867	O Jacob,K Dijeng
8869		Possible repairs	2 hrs	Sat 06/05/23 09:30	Sat 06/05/23 11:30	8868	O Jacob,K Dijeng

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8870		Test and commission	0.5 hrs	Sat 06/05/23 11:30	Sat 06/05/23 12:00	8869	O Jacob,K Dijeng
8871		Clear permit	0.25 hrs	Sat 06/05/23 12:30	Sat 06/05/23 12:45	8870	O Jacob,K Dijeng
8872	**29C2GF04**	**# A2 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Sat 06/05/23 12:45**	**Sat 06/05/23 18:00**	**8864**	
8873		Make out permit	0.25 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:00		O Jacob,K Dijeng
8874		Accept permit	0.25 hrs	Sat 06/05/23 13:00	Sat 06/05/23 13:15	8873	O Jacob,K Dijeng
8875		Inspect cylinder	1 hr	Sat 06/05/23 13:15	Sat 06/05/23 14:15	8874	O Jacob,K Dijeng
8876		Inspect solenoid valve	1 hr	Sat 06/05/23 14:15	Sat 06/05/23 15:15	8875	O Jacob,K Dijeng
8877		Possible repairs	2 hrs	Sat 06/05/23 15:15	Sat 06/05/23 17:15	8876	O Jacob,K Dijeng
8878		Test and commission	0.5 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:45	8877	O Jacob,K Dijeng
8879		Clear permit	0.25 hrs	Sat 06/05/23 17:45	Sat 06/05/23 18:00	8878	O Jacob,K Dijeng
8880	**29C2GF05**	**# A4 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Sun 07/05/23 07:00**	**Sun 07/05/23 12:45**	**8872**	
8881		Make out permit	0.25 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:15		O Jacob,K Dijeng
8882		Accept permit	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	8881	O Jacob,K Dijeng
8883		Inspect cylinder	1 hr	Sun 07/05/23 07:30	Sun 07/05/23 08:30	8882	O Jacob,K Dijeng
8884		Inspect solenoid valve	1 hr	Sun 07/05/23 08:30	Sun 07/05/23 09:30	8883	O Jacob,K Dijeng
8885		Possible repairs	2 hrs	Sun 07/05/23 09:30	Sun 07/05/23 11:30	8884	O Jacob,K Dijeng
8886		Test and commission	0.5 hrs	Sun 07/05/23 11:30	Sun 07/05/23 12:00	8885	O Jacob,K Dijeng
8887		Clear permit	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	8886	O Jacob,K Dijeng
8888	**29C2GF06**	**# A4 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Sun 07/05/23 12:45**	**Sun 07/05/23 18:00**	**8880**	
8889		Make out permit	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00		O Jacob,K Dijeng
8890		Accept permit	0.25 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:15	8889	O Jacob,K Dijeng
8891		Inspect cylinder	1 hr	Sun 07/05/23 13:15	Sun 07/05/23 14:15	8890	O Jacob,K Dijeng
8892		Inspect solenoid valve	1 hr	Sun 07/05/23 14:15	Sun 07/05/23 15:15	8891	O Jacob,K Dijeng
8893		Possible repairs	2 hrs	Sun 07/05/23 15:15	Sun 07/05/23 17:15	8892	O Jacob,K Dijeng
8894		Test and commission	0.5 hrs	Sun 07/05/23 17:15	Sun 07/05/23 17:45	8893	O Jacob,K Dijeng
8895		Clear permit	0.25 hrs	Sun 07/05/23 17:45	Sun 07/05/23 18:00	8894	O Jacob,K Dijeng
8896	**Area 29C**	**COMPACTION - B LINE**	**204.25 hrs**	**Wed 03/05/23 06:30**	**Mon 22/05/23 11:45**		
8897		**OPERATIONS**	**154.5 hrs**	**Wed 03/05/23 06:30**	**Wed 17/05/23 15:00**		
8898		**PLANT STOPPAGE**	**1.5 hrs**	**Wed 03/05/23 06:30**	**Wed 03/05/23 08:30**	**2**	
8899		Stop plant and flush circuit	2 hrs	Wed 03/05/23 06:30	Wed 03/05/23 08:30		Operations
8900	**29C2ST01**	**CHAIN & BELT CONVEYOR UNDERSPEED SENSORS - Remove sensors**	**4.5 hrs**	**Wed 03/05/23 08:30**	**Wed 03/05/23 13:30**	**8899**	
8901		Make out permit	0.25 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:45		Operations
8902		Accept permit	0.25 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:00	8901	L Majoo,Electrician1
8903		Carry out Ash Electrical isolation	0.25 hrs	Wed 03/05/23 09:00	Wed 03/05/23 09:15	8902	L Majoo,Electrician1
8904		Disconnect & remove all underspeed sensors	1 hr	Wed 03/05/23 09:15	Wed 03/05/23 10:15	8903	L Majoo,Electrician1
8905		Frick all underspeed circuit to allow proper cleaning	0.25 hrs	Wed 03/05/23 10:15	Wed 03/05/23 10:30	8904	L Majoo,Electrician1
8906		Remove fricks & Connect underspeed sensors, set gap	1 hr	Wed 03/05/23 10:30	Wed 03/05/23 11:30	8905	L Majoo,Electrician1
8907		Seal junction box	1 hr	Wed 03/05/23 11:30	Wed 03/05/23 13:00	8906	L Majoo,Electrician1
8908		Test run all conveyors out of interlock	0.25 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:15	8907	L Majoo,Electrician1
8909		Clear permit	0.25 hrs	Wed 03/05/23 13:15	Wed 03/05/23 13:30	8908	L Majoo,Operations
8910	**Area 29C**	**# B COMPACTOR - Cleaning**	**33.25 hrs**	**Wed 03/05/23 13:30**	**Thu 04/05/23 22:45**	**8900**	
8911		Organize Hoses	0 hrs	Wed 03/05/23 13:30	Wed 03/05/23 13:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8912		Run System Empty(Hoppers & Bag House)	2 hrs	Wed 03/05/23 13:30	Wed 03/05/23 15:30	8911	Operations
8913		Issue Permit (Electrician To Remove Drive Units Under Speed Sensors And Cover Motors,Instruments To Isolate And Protect Nuclear Sources	2 hrs	Wed 03/05/23 15:30	Wed 03/05/23 17:30	8912	O Jacob,K Dijeng,L Majoo,Electrician1,B Thuso,L Nakedi,S
8914		Remove all screen meshes	6 hrs	Wed 03/05/23 17:30	Wed 03/05/23 23:30	8913	B Thuso,L Nakedi,S Tlou
8915		Isolate and protect nuclear sources	1 hr	Wed 03/05/23 23:30	Thu 04/05/23 00:30	8914	L Majoo,Electrician1
8916		Cover All Electrical Motors With Plastic& remove under speed sensors	2 hrs	Thu 04/05/23 00:30	Thu 04/05/23 02:30	8915	Operations
8917		Clean Compaction Plant	2 hrs	Thu 04/05/23 02:30	Thu 04/05/23 04:30	8916	Operations
8918		Allow Natural Drying	5 hrs	Thu 04/05/23 04:30	Thu 04/05/23 09:30	8917	Operations
8919		Put Back Under Speed Sensors	1 hr	Thu 04/05/23 09:30	Thu 04/05/23 10:30	8918	L Majoo,Electrician1,B Thuso,L Nakedi,S
8920		Put back screen meshes	12 hrs	Thu 04/05/23 10:30	Thu 04/05/23 22:30	8919	Operations
8921		Clear permit	0.25 hrs	Thu 04/05/23 22:30	Thu 04/05/23 22:45	8920	Operations
8922		**# B COMPACTOR DUST EXTRACTION SYSTEM - Clear dust extraction system**	**73.75 hrs**	**Thu 04/05/23 22:45**	**Fri 12/05/23 07:15**	**8910**	
8923		Erect scaffodling prior	0 hrs	Thu 04/05/23 22:45	Thu 04/05/23 22:45		RSC Scaffolding
8924		Make Out Permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00	8923	Operations
8925		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8924	B Thuso,L Nakedi,S Tlou
8926		Break pipes	24 hrs	Fri 05/05/23 07:15	Sun 07/05/23 10:15	8925	B Thuso,L Nakedi,S Tlou
8927		Clear build up in pipes	30 hrs	Sun 07/05/23 10:15	Mon 08/05/23 16:15	8926	Operations
8928		Identify leaks and seal them	3 hrs	Mon 08/05/23 16:15	Tue 09/05/23 08:00	8927	Operations,B Thuso,L Nakedi,S Tlou
8929		Re install pipes	30 hrs	Tue 09/05/23 08:00	Thu 11/05/23 17:30	8928	B Thuso,L Nakedi,S Tlou
8930		House keeping	2 hrs	Thu 11/05/23 17:30	Thu 11/05/23 19:30	8929	Operations
8931		Clear permit	0.5 hrs	Thu 11/05/23 19:30	Fri 12/05/23 07:15	8930	Operations,B Thuso,L Nakedi,S Tlou
8932	**29C2FS02**	**# B LINE ASH SILO - Inspect & Clean Silo**	**16.5 hrs**	**Fri 12/05/23 07:15**	**Sat 13/05/23 13:45**	**8922**	
8933		Organize Hoses,	0 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:15		Operations
8934		Erect scaffolding prior	0 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:15	8933	RSC Scaffolding
8935		Empty silo	0 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:15	8934	Operations
8936		Issue Permit (To Remove Bottom & Side Covers)	0.25 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:30	8935	Operations
8937		Remove Bottom & Side Covers	6 hrs	Fri 12/05/23 07:30	Fri 12/05/23 14:00	8936	B Thuso,L Nakedi,S Tlou
8938		Clean Silo Internally	8 hrs	Fri 12/05/23 14:00	Fri 12/05/23 22:00	8937	Operations
8939		Allow Silo To Dry Up(Naturally)	8 hrs	Fri 12/05/23 22:00	Sat 13/05/23 06:00	8938	Operations
8940		Box up silo	6 hrs	Sat 13/05/23 07:00	Sat 13/05/23 13:30	8939	B Thuso,L Nakedi,S Tlou
8941		Clear permit	0.25 hrs	Sat 13/05/23 13:30	Sat 13/05/23 13:45	8940	B Thuso,L Nakedi,S Tlou
8942		Dismantle scaffolding	0 hrs	Sat 13/05/23 13:45	Sat 13/05/23 13:45	8941	RSC Scaffolding
8943	**29C2FK01**	**# B DUST FILTER (COMPACTOR BAGHOUSE) - Rebagging baghouse**	**43.25 hrs**	**Sat 13/05/23 13:45**	**Wed 17/05/23 15:00**	**8932**	
8944		Erect scaffolding prior for lagging	0 hrs	Sat 13/05/23 13:45	Sat 13/05/23 13:45		
8945		Make out permit	0.25 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:00	8944	Operations
8946		Accept permit	0.25 hrs	Sat 13/05/23 14:00	Sat 13/05/23 14:15	8945	B Thuso,L Nakedi,S Tlou
8947		Replace all air hoses and clamps	8 hrs	Sat 13/05/23 14:15	Sun 14/05/23 11:15	8946	B Thuso,L Nakedi,S Tlou
8948		Baghouse rebagging	24 hrs	Sun 14/05/23 11:15	Mon 15/05/23 11:15	8947	Operations
8949		Replace lagging	24 hrs	Mon 15/05/23 11:15	Wed 17/05/23 14:45	8948	RSC lagging
8950		Clear permit	0.25 hrs	Wed 17/05/23 14:45	Wed 17/05/23 15:00	8949	B Thuso,L Nakedi,S Tlou
8951		**MAINTENANCE STARTS**	**0 hrs**	**Thu 04/05/23 22:45**	**Thu 04/05/23 22:45**	**8910**	
8952		Maintenance jobs commence	0 hrs	Thu 04/05/23 22:45	Thu 04/05/23 22:45		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8953		**MECHANICAL**	**183.25 hrs**	**Thu 04/05/23 22:45**	**Mon 22/05/23 11:45**	**8951**	
8954	**29C2GN07-**	**COMPACTION SCREENS - Remove mesh for cleaning in all screens**	**12.5 hrs**	**Thu 04/05/23 22:45**	**Sat 06/05/23 09:00**		
8955		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
8956		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8955	B Thuso,L Nakedi,S Tlou
8957		Remove all mashes for cleaning on all Compaction screens	12 hrs	Fri 05/05/23 07:15	Sat 06/05/23 08:45	8956	B Thuso,L Nakedi,S Tlou
8958		Clear permit	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	8957	Operations,B Thuso,L Nakedi,S Tlou
8959	**29C2RL02**	**# B SCREW FEEDER - Overhaul Screw Feeder**	**51.75 hrs**	**Thu 04/05/23 22:45**	**Tue 09/05/23 17:15**		
8960		Make Out Permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
8961		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	8960	B Thuso,L Nakedi,S Tlou
8962		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	8961	B Thuso,L Nakedi,S Tlou
8963		Remove Guards For The Drive Chain	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	8962	B Thuso,L Nakedi,S Tlou
8964		Remove Guards For The V Belts	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	8963	L Majoo,Electrician1
8965		Slack And Remove The V Belts	1 hr	Fri 05/05/23 08:30	Fri 05/05/23 09:30	8964	B Thuso,L Nakedi,S Tlou
8966		Remove The Screw Feeder Guards And Uncouple Screws From The Gearbox	3 hrs	Fri 05/05/23 09:30	Fri 05/05/23 13:00	8965	B Thuso,L Nakedi,S Tlou
8967		Loosen And Remove The Gearbox Mouting Bolts,Then Rig Out The Screw Feeder Gearbox	4 hrs	Fri 05/05/23 13:00	Fri 05/05/23 17:00	8966	G Moeseraela,T Moloi,K Gabantogele,B Thuso,L Nakedi,S Tlou
8968		Loosen And Remove All Mounting Bolts For The Screw Feeder	0.5 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:30	8967	B Thuso,L Nakedi,S Tlou
8969		Lift And Support The Feed Hopper To Create Clearance	1 hr	Fri 05/05/23 17:30	Sat 06/05/23 07:30	8968	G Moeseraela,T Moloi,K Gabantogele,B
8970		Rig Out The Screw Feeder And Transport To The Workshop After Washing	3 hrs	Sat 06/05/23 07:30	Sat 06/05/23 10:30	8969	G Moeseraela,T Moloi,K Gabantogele,B
8971		Remove The Stuffing Box,Clean And Inspect For Wear,Then Replace	0.5 hrs	Sat 06/05/23 10:30	Sat 06/05/23 11:00	8970	B Thuso,L Nakedi,S Tlou
8972		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Sat 06/05/23 11:00	Sat 06/05/23 15:15	8971	B Thuso,L Nakedi,S Tlou
8973		Inspect The Screws And Housing For Wear	0.5 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:45	8972	B Thuso,L Nakedi,S Tlou
8974		Remove stuffing boxes and machine	16 hrs	Sat 06/05/23 15:45	Mon 08/05/23 10:15	8973	B Thuso,L Nakedi,S Tlou
8975		Repack The Stuffing Boxes And Replace The Gland Follower	1 hr	Mon 08/05/23 10:15	Mon 08/05/23 11:15	8974	B Thuso,L Nakedi,S Tlou
8976		Inspect The Seal Plate Mounting Holes And Recondition	3 hrs	Mon 08/05/23 11:15	Mon 08/05/23 14:45	8975	Machinist,B Thuso,L Nakedi,S Tlou
8977		Allign The Screws Such That The Key Ways Lie On The Same Plane(Timing Of Screws)	0.5 hrs	Mon 08/05/23 14:45	Mon 08/05/23 15:15	8976	B Thuso,L Nakedi,S Tlou
8978		Tag Weld The Flat Bar On The Drive Side To Prevent Movement Of Screws During Transportation And Installation Nb,The Flat Bar Must Be Be Removed Once The Screw Feeder Is In Its Position	0.5 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:45	8977	M Ramatlhakeng,S Monna
8979		Transport To Site And Rig In Position And Secure	0.5 hrs	Tue 09/05/23 09:30	Tue 09/05/23 10:00	8978,9356	G Moeseraela,T Moloi,K Gabantogele
8980		Lower The Hopper And Secure	0.5 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:30	8979	G Moeseraela,T Moloi,K Gabantogele,B
8981		Drain Oil In The Gearbox	1 hr	Tue 09/05/23 10:30	Tue 09/05/23 11:30	8980	B Thuso,L Nakedi,S Tlou
8982		Replace Oil Seals	1 hr	Tue 09/05/23 11:30	Tue 09/05/23 13:00	8981	B Thuso,L Nakedi,S Tlou
8983		Install The Gearbox And Align To The Screw Feeder Shafts,Then Secure	1 hr	Tue 09/05/23 13:00	Tue 09/05/23 14:00	8982	G Moeseraela,T Moloi,K Gabantogele,B
8984		Cut Off The Flat Bar And Couple The Gearbox To The Screw	0.5 hrs	Tue 09/05/23 14:00	Tue 09/05/23 14:30	8983	M Ramatlhakeng,S Monna,B Thuso,L Na
8985		Replace The Screw Guards	0.5 hrs	Tue 09/05/23 14:30	Tue 09/05/23 15:00	8984	B Thuso,L Nakedi,S Tlou
8986		Align The Gearbox And Motor Pulleys	0.5 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:30	8985	B Thuso,L Nakedi,S Tlou
8987		Install V Belts And Tension To The Correct Force And Deflection	0.5 hrs	Tue 09/05/23 15:30	Tue 09/05/23 16:00	8986	B Thuso,L Nakedi,S Tlou
8988		Install V Belts Guard	0.5 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:30	8987	B Thuso,L Nakedi,S Tlou
8989		Carry Out Housekeeping	0.25 hrs	Tue 09/05/23 16:30	Tue 09/05/23 16:45	8988	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8990		Sign Off The Permit	0.25 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:00	8989	B Thuso,L Nakedi,S Tlou
8991		Clear Permit	0.25 hrs	Tue 09/05/23 17:00	Tue 09/05/23 17:15	8990	B Thuso,L Nakedi,S Tlou
8992	**29C2RM04**	**# B4 STAR FEEDER - Carry Out Inspection And Service**	**58.25 hrs**	**Tue 09/05/23 13:30**	**Mon 15/05/23 08:15**	**8952SS+4 d**	
8993		Prepare star feeder blades prior	0 hrs	Tue 09/05/23 13:30	Tue 09/05/23 13:30		
8994		Make Out Permit	0.25 hrs	Tue 09/05/23 13:30	Tue 09/05/23 13:45	8993	Operations
8995		Accept Permit	0.25 hrs	Tue 09/05/23 13:45	Tue 09/05/23 14:00	8994	B Thuso,L Nakedi,S Tlou
8996		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 14:00	Tue 09/05/23 14:15	8995	B Thuso,L Nakedi,S Tlou
8997		Loosen star feeder mounting bolts	1 hr	Tue 09/05/23 14:15	Tue 09/05/23 15:15	8996	B Thuso,L Nakedi,S Tlou
8998		Remove all bolts and swing star feeder	3 hrs	Tue 09/05/23 15:15	Wed 10/05/23 07:15	8997	G Moeseraela,T Moloi,B Thuso,L Naked
8999		Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:45	8998	B Thuso,L Nakedi,S Tlou
9000		Stop And swing back star feeder	1 hr	Wed 10/05/23 07:45	Wed 10/05/23 08:45	8999	B Thuso,L Nakedi,S Tlou
9001		Install and tighten mounting bolts	2 hrs	Wed 10/05/23 08:45	Wed 10/05/23 10:45	9000	B Thuso,L Nakedi,S Tlou
9002		Sign Off Permit If Everything Is In Order.	0.25 hrs	Wed 10/05/23 10:45	Wed 10/05/23 11:00	9001	B Thuso,L Nakedi,S Tlou
9003		If There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Wed 10/05/23 11:00	Wed 10/05/23 11:15	9002	B Thuso,L Nakedi,S Tlou
9004		Loosen And Remove Guards	0.5 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:45	9003	B Thuso,L Nakedi,S Tlou
9005		Disconnect geared unit	1 hr	Wed 10/05/23 11:45	Wed 10/05/23 13:15	9004	L Majoo,Electrician1
9006		Remove the drive chain	1 hr	Wed 10/05/23 13:15	Wed 10/05/23 14:15	9005	B Thuso,L Nakedi,S Tlou
9007		Support geared unit and remove mounting bolts	1.5 hrs	Wed 10/05/23 14:15	Wed 10/05/23 15:45	9006	G Moeseraela,T Moloi,B Thuso,L Naked
9008		Rig out geared unit	1.5 hrs	Wed 10/05/23 15:45	Wed 10/05/23 17:15	9007	G Moeseraela,T Moloi,B Thuso,L Naked
9009		Support star feeder	0.5 hrs	Wed 10/05/23 17:15	Wed 10/05/23 17:45	9008	G Moeseraela,T Moloi,B Thuso,L Naked
9010		Rig out start feeder completely	1 hr	Wed 10/05/23 17:45	Thu 11/05/23 07:45	9009	O/H crane,G Moeseraela,T Moloi,B Thu
9011		Clean star feeder and transport to workshop	0.5 hrs	Thu 11/05/23 07:45	Thu 11/05/23 08:15	9010	Crane lorry,G Moeseraela,T Moloi
9012		Mark all the mating components	0.5 hrs	Thu 11/05/23 08:15	Thu 11/05/23 08:45	9011	B Thuso,L Nakedi,S Tlou
9013		Strip star feeder	6 hrs	Thu 11/05/23 08:45	Thu 11/05/23 15:15	9012	B Thuso,L Nakedi,S Tlou
9014		Inspect and measure all the components	1.5 hrs	Thu 11/05/23 15:15	Thu 11/05/23 16:45	9013	B Thuso,L Nakedi,S Tlou
9015		Assemble star feeder	6 hrs	Thu 11/05/23 16:45	Fri 12/05/23 11:45	9014	B Thuso,L Nakedi,S Tlou
9016		Carry out quality checks	0.5 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:45	9015	B Thuso,L Nakedi,S Tlou
9017		Transport to plant	0.5 hrs	Sun 14/05/23 09:15	Sun 14/05/23 09:45	7164,9016	B Thuso,L Nakedi,S Tlou
9018		Rig star feeder into place and mount	2.5 hrs	Sun 14/05/23 09:45	Sun 14/05/23 12:45	9017	O/H crane,G Moeseraela,T Moloi,B Thu
9019		Install geared unit	1 hr	Sun 14/05/23 12:45	Sun 14/05/23 13:45	9018	B Thuso,L Nakedi,S Tlou
9020		Install drive chain	1 hr	Sun 14/05/23 13:45	Sun 14/05/23 14:45	9019	B Thuso,L Nakedi,S Tlou
9021		Install guards	1 hr	Sun 14/05/23 14:45	Sun 14/05/23 15:45	9020	B Thuso,L Nakedi,S Tlou
9022		Connect geared unit and verify direction	0.5 hrs	Sun 14/05/23 15:45	Sun 14/05/23 16:15	9021	B Thuso,L Nakedi,S Tlou
9023		Box up	2 hrs	Sun 14/05/23 16:15	Mon 15/05/23 07:15	9022	B Thuso,L Nakedi,S Tlou
9024		Lubricate drive chain	0.25 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:30	9023	B Thuso,L Nakedi,S Tlou
9025		Carry Out House Keeping	0.5 hrs	Mon 15/05/23 07:30	Mon 15/05/23 08:00	9024	B Thuso,L Nakedi,S Tlou
9026		Clear The Permit	0.25 hrs	Mon 15/05/23 08:00	Mon 15/05/23 08:15	9025	B Thuso,L Nakedi,S Tlou
9027	**29C2GP02**	**# B COMPACTOR - Compactor overhaul**	**141.75 hrs**	**Thu 04/05/23 22:45**	**Thu 18/05/23 12:45**	**8951**	
9028		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
9029		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	9028	B Thuso,L Nakedi,S Tlou
9030		Isolate radiation source and issue out vessel entry permit (feed hopper)	2 hrs	Fri 05/05/23 07:15	Fri 05/05/23 09:15	9029	Technician,Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9031		Disconnect instruments	1 hr	Fri 05/05/23 09:15	Fri 05/05/23 10:15	9030	O Jacob
9032		Disconnect motor	0.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:45	9031	L Majoo,Electrician1
9033		Clean compactor manually (vacuum)	16 hrs	Fri 05/05/23 10:45	Sat 06/05/23 02:45	9032	Operations
9034		Disconnect the hydraulic pack/flake breaker/screw feeder drives	2 hrs	Sat 06/05/23 07:00	Sat 06/05/23 09:00	9033	L Majoo,Electrician1
9035		Rig out cardan shafts	6 hrs	Sat 06/05/23 09:00	Sat 06/05/23 15:30	9034	B Thuso,L Nakedi,S Tlou,G Moeseraela,
9036		Erect scaffolding on top of compactor to access dust extraction pipes	2 hrs	Sat 06/05/23 15:30	Sat 06/05/23 17:30	9035	RSC Scaffolding
9037		Remove dust extraction pipes	2 hrs	Sat 06/05/23 17:30	Sun 07/05/23 08:30	9036	B Thuso,L Nakedi,S Tlou,M Ramatlhake
9038		Dismantle scaffolding	1 hr	Sun 07/05/23 08:30	Sun 07/05/23 09:30	9037	RSC Scaffolding
9039		Remove hydraulic pack/flake breaker/screw feeder/bottom covers & oil pipes	6 hrs	Sun 07/05/23 09:30	Sun 07/05/23 16:00	9038	G Moeseraela,T Moloi,K Gabantogele,B
9040		Erect scaffolding to access top covers and hydraulic cylinders	3 hrs	Sun 07/05/23 16:00	Sun 07/05/23 19:00	9039	RSC Scaffolding
9041		Remove top covers, hydraulic cylinders and remove & rig out	4 hrs	Mon 08/05/23 07:00	Mon 08/05/23 11:00	9040	B Thuso,L Nakedi,S Tlou,G Moeseraela,
9042		Remove scraper	1 hr	Mon 08/05/23 11:00	Mon 08/05/23 12:00	9041	B Thuso,L Nakedi,S Tlou
9043		Undo frame bolts	2 hrs	Mon 08/05/23 12:30	Mon 08/05/23 14:30	9042	Reliability,Impact Wrench
9044		Dismantle front H-frames	4 hrs	Mon 08/05/23 14:30	Tue 09/05/23 07:30	9043	Reliability,B Thuso,L Nakedi,S Tlou,G M
9045		Rig out top roller complete 20 ton	2 hrs	Tue 09/05/23 07:30	Tue 09/05/23 09:30	9044	Reliability,B Thuso,L Nakedi,S Tlou,G M
9046		Clean with softener water	1 hr	Tue 09/05/23 09:30	Tue 09/05/23 10:30	9045	Operations
9047		Transport roller to vehicles workshop	1 hr	Tue 09/05/23 10:30	Tue 09/05/23 11:30	9046	G Moeseraela,K Gabantogele,T Moloi,F
9048		Offload roller in the workshop	0.5 hrs	Tue 09/05/23 11:30	Tue 09/05/23 12:00	9047	Reliability,G Moeseraela,K Gabantogele
9049		Strip top roller and clean	10 hrs	Tue 09/05/23 12:30	Wed 10/05/23 11:30	9048	Reliability
9050		Inspect all components from top roller	1 hr	Wed 10/05/23 11:30	Wed 10/05/23 13:00	9049	Reliability
9051		Rig out bottom roller 20 ton	1 hr	Wed 10/05/23 13:00	Wed 10/05/23 14:00	9050	G Moeseraela,K Gabantogele,T Moloi,R
9052		Blank off pre-crusher with scaffold boards	0.5 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:30	9051	G Moeseraela,K Gabantogele,T Moloi
9053		Clean with softener water	1 hr	Wed 10/05/23 14:30	Wed 10/05/23 15:30	9052	G Moeseraela,K Gabantogele,T Moloi
9054		Transport bottom roller to vehicles workshop	1 hr	Wed 10/05/23 15:30	Wed 10/05/23 16:30	9053	G Moeseraela,K Gabantogele,T Moloi,F
9055		Offload roller in the workshop	0.5 hrs	Wed 10/05/23 16:30	Wed 10/05/23 17:00	9054	G Moeseraela,K Gabantogele,T Moloi,R
9056		Strip bottom roller and clean	10 hrs	Wed 10/05/23 17:00	Thu 11/05/23 16:30	9055	Reliability
9057		Erect scaffolding to clean compactor, frame and oil system	3 hrs	Thu 11/05/23 16:30	Thu 11/05/23 19:30	9056	RSC Scaffolding
9058		Inspect all components from bottom roller	1 hr	Fri 12/05/23 07:00	Fri 12/05/23 08:00	9057	Reliability
9059		Fit new seals, bearings and assemble bottom roller	8 hrs	Fri 12/05/23 08:00	Fri 12/05/23 16:30	9058	Reliability,B Thuso,L Nakedi,S Tlou,G M
9060		Transport bottom roller to plant	2 hrs	Fri 12/05/23 16:30	Sat 13/05/23 07:30	9059	G Moeseraela,K Gabantogele,T Moloi,F
9061		Rig bottom roller into position	2 hrs	Sat 13/05/23 07:30	Sat 13/05/23 09:30	9060	Reliability,G Moeseraela,K Gabantogele
9062		Fit new seals, bearings and assemble top roller	16 hrs	Sat 13/05/23 09:30	Sun 14/05/23 15:30	9061	Reliability
9063		Transport top roller to plant	4 hrs	Sun 14/05/23 15:30	Mon 15/05/23 08:30	9062	G Moeseraela,K Gabantogele,T Moloi,F
9064		Rig top roller into position	2 hrs	Mon 15/05/23 08:30	Mon 15/05/23 10:30	9063	Reliability,G Moeseraela,K Gabantogele
9065		Install the front H-frames	4 hrs	Mon 15/05/23 10:30	Mon 15/05/23 15:00	9064	B Thuso,L Nakedi,S Tlou,Reliability,G M
9066		Align and tighten bolts	4 hrs	Mon 15/05/23 15:00	Tue 16/05/23 08:00	9065	Reliability
9067		Assemble hydraulic cylinders	3 hrs	Tue 16/05/23 08:00	Tue 16/05/23 11:00	9066	B Thuso,L Nakedi,S Tlou
9068		Fit all covers and oil piping	4 hrs	Tue 16/05/23 11:00	Tue 16/05/23 15:30	9067	B Thuso,L Nakedi,S Tlou
9069		Reassemble screw feeder, flake crusher, hydraulic pack	2 hrs	Tue 16/05/23 15:30	Tue 16/05/23 17:30	9068	B Thuso,L Nakedi,S Tlou
9070		Rig in cardan shafts and box up	2 hrs	Tue 16/05/23 17:30	Wed 17/05/23 08:30	9069	B Thuso,L Nakedi,S Tlou,Reliability,G M
9071		Connect the hydraulic pack, flake crusher and star feeder	2 hrs	Wed 17/05/23 08:30	Wed 17/05/23 10:30	9070	L Majoo,Electrician1
9072		Connect motor	0.5 hrs	Wed 17/05/23 10:30	Wed 17/05/23 11:00	9071	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9073		Connect instruments	1 hr	Wed 17/05/23 11:00	Wed 17/05/23 12:00	9072	O Jacob
9074		Activate radiation source	1 hr	Wed 17/05/23 12:30	Wed 17/05/23 13:30	9073	Instruments Tech
9075		Refill oil, flush system and check for leaks	11.5 hrs	Wed 17/05/23 13:30	Thu 18/05/23 10:30	9074	Reliability,Operations,B Thuso,L Nakedi
9076		Clear permit	0.25 hrs	Thu 18/05/23 10:30	Thu 18/05/23 10:45	9075	B Thuso,L Nakedi,S Tlou
9077		Remove all scaffolding	2 hrs	Thu 18/05/23 10:45	Thu 18/05/23 12:45	9076	RSC Scaffolding
9078	**29C2GP02**	**# B COMPACTOR GEARBOX - Send for bearing landings corrections**	**152.75 hrs**	**Thu 04/05/23 22:45**	**Fri 19/05/23 13:15**	**8951**	
9079		Organise an empty drum and a manual pump prior	0 hrs	Thu 04/05/23 22:45	Thu 04/05/23 22:45		B Thuso,L Nakedi,S Tlou
9080		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00	9079	Operations
9081		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	9080	B Thuso,L Nakedi,S Tlou
9082		Remove guards (cardan shaft and v belts guard)	2 hrs	Fri 05/05/23 07:15	Fri 05/05/23 09:15	9081	G Moeseraela,T Moloi,K Gabantogele,B
9083		Disconnect the motor and mark the terminals	2 hrs	Fri 05/05/23 09:15	Fri 05/05/23 11:15	9082	O Jacob,K Dijeng,L Majoo,Electrician1
9084		Remove vee belts	1 hr	Fri 05/05/23 11:15	Fri 05/05/23 12:45	9083	B Thuso,L Nakedi,S Tlou
9085		Support the motor with an overhead crane	0.5 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:15	9084	G Moeseraela,T Moloi,K Gabantogele
9086		Loosen the motor mounting bolts and rig out the motor	1.5 hrs	Fri 05/05/23 13:15	Fri 05/05/23 14:45	9085	G Moeseraela,T Moloi,K Gabantogele,B
9087		Remove the input shaft pulley and the back plate for the guard	1.5 hrs	Fri 05/05/23 14:45	Fri 05/05/23 16:15	9086	G Moeseraela,T Moloi,K Gabantogele,B
9088		Support the top cardan shaft with an overhead crane	0 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:15	9087	G Moeseraela,T Moloi,K Gabantogele
9089		Remove all bolts and rig out the top cardan shaft	0 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:15	9088	G Moeseraela,T Moloi,K Gabantogele,B
9090		Rig out platform	2 hrs	Fri 05/05/23 16:15	Sat 06/05/23 07:15	9089	O/H crane,G Moeseraela,T Moloi,K Gab
9091		Drain gearbox oil	1 hr	Sat 06/05/23 07:15	Sat 06/05/23 08:15	9090	B Thuso,L Nakedi,S Tlou
9092		Loosen and remove the gearbox mounting bolts	2 hrs	Sat 06/05/23 08:15	Sat 06/05/23 10:15	9091	Impact Wrench,B Thuso,L Nakedi,S Tlou
9093		Rig out gearbox	8 hrs	Sat 06/05/23 10:15	Sun 07/05/23 07:45	9092	G Moeseraela,T Moloi,K Gabantogele
9094		Transport to Stores	0.5 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:15	9093	Reliability,B Thuso,L Nakedi,S Tlou
9095		Transport gearbox to David Brown	3 days	Sun 07/05/23 08:15	Mon 08/05/23 20:15	9094	Stores
9096		Gearbox repairs	6 days	Tue 09/05/23 07:00	Mon 15/05/23 16:30	9095	David Brown
9097		Transport gearbox to site	3 days	Mon 15/05/23 16:30	Wed 17/05/23 04:30	9096,1708	Stores
9098		Install gearbox	12 hrs	Wed 17/05/23 07:00	Thu 18/05/23 08:30	9097	O/H crane,G Moeseraela,T Moloi,K Gab
9099		Rig in platform	1 hr	Thu 18/05/23 08:30	Thu 18/05/23 09:30	9098	O/H crane,G Moeseraela,T Moloi,K Gab
9100		Replace the motor and align pulleys	2 hrs	Thu 18/05/23 09:30	Thu 18/05/23 11:30	9099	G Moeseraela,T Moloi,K Gabantogele,B
9101		Reconnect the motor	2 hrs	Thu 18/05/23 11:30	Thu 18/05/23 14:00	9100	L Majoo,Electrician1
9102		Install v belts SPC 22NX4000 and tension	1.5 hrs	Thu 18/05/23 14:00	Thu 18/05/23 15:30	9101	B Thuso,L Nakedi,S Tlou
9103		Replace all guards	2 hrs	Thu 18/05/23 15:30	Thu 18/05/23 17:30	9102	G Moeseraela,T Moloi,K Gabantogele,B
9104		Open the inspection cover and refill oil to the correct level	2 hrs	Thu 18/05/23 17:30	Fri 19/05/23 08:30	9103	B Thuso,L Nakedi,S Tlou
9105		Close the inspection cover	1 hr	Fri 19/05/23 08:30	Fri 19/05/23 09:30	9104	B Thuso,L Nakedi,S Tlou
9106		Carry out housekeeping	3 hrs	Fri 19/05/23 09:30	Fri 19/05/23 13:00	9105	B Thuso,L Nakedi,S Tlou
9107		Clear the permit	0.25 hrs	Fri 19/05/23 13:00	Fri 19/05/23 13:15	9106	Operations
9108	**29C2GF11**	**# B1 PRE-ROLLER CRUSHER – Carry out inspections and service**	**12.5 hrs**	**Thu 04/05/23 22:45**	**Sat 06/05/23 09:00**	**8910**	
9109		Make Out Permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
9110		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	9109	B Thuso,L Nakedi,S Tlou
9111		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	9110	B Thuso,L Nakedi,S Tlou
9112		Remove Covers	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	9111	B Thuso,L Nakedi,S Tlou
9113		Drain Gearbox Oil	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	9112	B Thuso,L Nakedi,S Tlou
9114		Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Fri 05/05/23 08:30	Fri 05/05/23 09:30	9113	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9115		Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Fri 05/05/23 09:30	Fri 05/05/23 10:00	9114	B Thuso,L Nakedi,S Tlou
9116		Replace Cover Seal And Close The Reservoir	0.5 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:30	9115	B Thuso,L Nakedi,S Tlou
9117		Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct	1 hr	Fri 05/05/23 10:30	Fri 05/05/23 11:30	9116	B Thuso,L Nakedi,S Tlou
9118		Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Fri 05/05/23 11:30	Fri 05/05/23 12:00	9117	B Thuso,L Nakedi,S Tlou
9119		Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Fri 05/05/23 12:30	Fri 05/05/23 13:00	9118	B Thuso,L Nakedi,S Tlou
9120		Grease All Bearings	1 hr	Fri 05/05/23 13:00	Fri 05/05/23 14:00	9119	B Thuso,L Nakedi,S Tlou
9121		Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:30	9120	B Thuso,L Nakedi,S Tlou
9122		Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Fri 05/05/23 14:30	Fri 05/05/23 16:30	9121	B Thuso,L Nakedi,S Tlou
9123		Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Fri 05/05/23 16:30	Fri 05/05/23 17:00	9122	B Thuso,L Nakedi,S Tlou
9124		Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Fri 05/05/23 17:00	Fri 05/05/23 18:00	9123	B Thuso,L Nakedi,S Tlou
9125		Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:30	9124	B Thuso,L Nakedi,S Tlou
9126		Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Sat 06/05/23 07:30	Sat 06/05/23 08:00	9125	B Thuso,L Nakedi,S Tlou
9127		Apply Sealant And Close All Side Covers	0.5 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:30	9126	B Thuso,L Nakedi,S Tlou
9128		Carry Out Housekeeping	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	9127	B Thuso,L Nakedi,S Tlou
9129		Clear The Permit	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	9128	B Thuso,L Nakedi,S Tlou
9130	**29C2GF15**	**# B1 FINE ROLLER CRUSHER - Replace Crusher**	**53.25 hrs**	**Thu 04/05/23 22:45**	**Wed 10/05/23 07:45**	**8952**	
9131		Issue permit to work	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
9132		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	9131	G Moeseraela,K Gabantogele,T Moloi,B
9133		Carry out risk assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	9132	G Moeseraela,K Gabantogele,T Moloi
9134		Remove Guards	2 hrs	Fri 05/05/23 07:30	Fri 05/05/23 09:30	9133	B Thuso,L Nakedi,S Tlou
9135		Disconnect Motor	0.5 hrs	Fri 05/05/23 09:30	Fri 05/05/23 10:00	9134	L Majoo,Electrician1
9136		Support motor and loosen all mounting bolts	3.5 hrs	Fri 05/05/23 10:00	Fri 05/05/23 14:00	9135	G Moeseraela,K Gabantogele,T Moloi,B
9137		Rig out motor	2 hrs	Fri 05/05/23 14:00	Fri 05/05/23 16:00	9136	G Moeseraela,K Gabantogele,T Moloi
9138		Loosen upper chute bolts	2.5 hrs	Fri 05/05/23 16:00	Sat 06/05/23 07:30	9137	G Moeseraela,K Gabantogele,T Moloi,B
9139		Rig out upper chute	2.5 hrs	Sat 06/05/23 07:30	Sat 06/05/23 10:00	9138	G Moeseraela,K Gabantogele,T Moloi
9140		Loosen all crusher mounting bolts	2.5 hrs	Sat 06/05/23 10:00	Sat 06/05/23 13:00	9139	B Thuso,L Nakedi,S Tlou
9141		Rig out the crusher	2.5 hrs	Sat 06/05/23 13:00	Sat 06/05/23 15:30	9140	G Moeseraela,K Gabantogele,T Moloi
9142		Clean the crusher and transport to the workshop	1 hr	Sat 06/05/23 15:30	Sat 06/05/23 16:30	9141	G Moeseraela,K Gabantogele,T Moloi,B
9143		Loosen bottom chute bolts	2.5 hrs	Sat 06/05/23 16:30	Sun 07/05/23 08:00	9142	B Thuso,L Nakedi,S Tlou
9144		Rig out bottom chute	2.5 hrs	Sun 07/05/23 08:00	Sun 07/05/23 10:30	9143	G Moeseraela,K Gabantogele,T Moloi
9145		Clean the base	1 hr	Sun 07/05/23 10:30	Sun 07/05/23 11:30	9144	B Thuso,L Nakedi,S Tlou
9146		Modify the bottom chute mounting to suit the new assembly	8 hrs	Sun 07/05/23 11:30	Mon 08/05/23 09:00	9145	G Moeseraela,K Gabantogele,T Moloi,B
9147		Rig in bottom chute	2 hrs	Mon 08/05/23 09:00	Mon 08/05/23 11:00	9146	G Moeseraela,K Gabantogele,T Moloi,B
9148		Rig in new crusher	3 hrs	Mon 08/05/23 11:00	Mon 08/05/23 14:30	9147	G Moeseraela,K Gabantogele,T Moloi,B
9149		Modify the top chute mounting to suit the new assembly	8 hrs	Mon 08/05/23 14:30	Tue 09/05/23 11:30	9148	G Moeseraela,K Gabantogele,T Moloi,B
9150		Box up the new crusher	6 hrs	Tue 09/05/23 11:30	Tue 09/05/23 18:00	9149	B Thuso,L Nakedi,S Tlou
9151		Reconnect motor	0.5 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:30	9150	L Majoo,Electrician1
9152		Clear The Permit	0.25 hrs	Wed 10/05/23 07:30	Wed 10/05/23 07:45	9151	S Tlou
9153	**29C2GF16**	**# B2 FINE ROLLER CRUSHER - Replace Crusher**	**53.5 hrs**	**Sun 07/05/23 11:30**	**Fri 12/05/23 13:00**	**9145**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9154		Issue permit to work	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45		Operations
9155		Accept permit	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	9154	G Moeseraela,K Gabantogele,T Moloi,B
9156		Carry out risk assesment	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	9155	G Moeseraela,K Gabantogele,T Moloi
9157		Remove Guards	2 hrs	Sun 07/05/23 12:45	Sun 07/05/23 14:45	9156	B Thuso,L Nakedi,S Tlou
9158		Disconnect Motor	0.5 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:15	9157	L Majoo,Electrician1
9159		Support motor and loosen all mounting bolts	3.5 hrs	Sun 07/05/23 15:15	Mon 08/05/23 07:45	9158	G Moeseraela,K Gabantogele,T Moloi,B
9160		Rig out motor	2 hrs	Mon 08/05/23 07:45	Mon 08/05/23 09:45	9159	G Moeseraela,K Gabantogele,T Moloi
9161		Loosen upper chute bolts	2.5 hrs	Mon 08/05/23 09:45	Mon 08/05/23 12:45	9160	G Moeseraela,K Gabantogele,T Moloi,B
9162		Rig out upper chute	2.5 hrs	Mon 08/05/23 12:45	Mon 08/05/23 15:15	9161	G Moeseraela,K Gabantogele,T Moloi
9163		Loosen all crusher mounting bolts	2.5 hrs	Mon 08/05/23 15:15	Mon 08/05/23 17:45	9162	B Thuso,L Nakedi,S Tlou
9164		Rig out the crusher	2.5 hrs	Mon 08/05/23 17:45	Tue 09/05/23 09:15	9163	G Moeseraela,K Gabantogele,T Moloi
9165		Clean the crusher and transport to the workshop	1 hr	Tue 09/05/23 09:15	Tue 09/05/23 10:15	9164	G Moeseraela,K Gabantogele,T Moloi,B
9166		Loosen bottom chute bolts	2.5 hrs	Tue 09/05/23 10:15	Tue 09/05/23 13:15	9165	B Thuso,L Nakedi,S Tlou
9167		Rig out bottom chute	2.5 hrs	Tue 09/05/23 13:15	Tue 09/05/23 15:45	9166	G Moeseraela,K Gabantogele,T Moloi
9168		Clean the base	1 hr	Tue 09/05/23 15:45	Tue 09/05/23 16:45	9167	B Thuso,L Nakedi,S Tlou
9169		Modify the bottom chute mounting to suit the new assembly	8 hrs	Tue 09/05/23 16:45	Wed 10/05/23 14:15	9168	G Moeseraela,K Gabantogele,T Moloi,B
9170		Rig in bottom chute	2 hrs	Wed 10/05/23 14:15	Wed 10/05/23 16:15	9169	G Moeseraela,K Gabantogele,T Moloi,B
9171		Rig in new crusher	3 hrs	Wed 10/05/23 16:15	Thu 11/05/23 08:15	9170	G Moeseraela,K Gabantogele,T Moloi,B
9172		Modify the top chute mounting to suit the new assembly	8 hrs	Thu 11/05/23 08:15	Thu 11/05/23 16:45	9171	G Moeseraela,K Gabantogele,T Moloi,B
9173		Box up the new crusher	6 hrs	Thu 11/05/23 16:45	Fri 12/05/23 11:45	9172	B Thuso,L Nakedi,S Tlou
9174		Reconnect motor	0.5 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:45	9173	L Majoo,Electrician1
9175		Clear permit	0.25 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:00	9174	Operations,S Tlou
9176	**29C2GF16**	**CRUSHER - Modify all crusher frames covers & guards**	**42.25 hrs**	**Tue 09/05/23 16:45**	**Sat 13/05/23 17:00**	**9168**	
9177		Fabricate Flanges Prior	0 hrs	Tue 09/05/23 16:45	Tue 09/05/23 16:45		M Ramatlhakeng,S Monna
9178		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 16:45	Tue 09/05/23 17:00	9177	M Ramatlhakeng,S Monna
9179		Cut frame	12 hrs	Tue 09/05/23 17:00	Thu 11/05/23 07:30	9178	M Ramatlhakeng,S Monna
9180		Align flanges and tack weld in position	9 hrs	Thu 11/05/23 07:30	Thu 11/05/23 17:00	9179	M Ramatlhakeng,S Monna
9181		Weld flanges	18 hrs	Thu 11/05/23 17:00	Sat 13/05/23 14:00	9180	P Dara
9182		Clean weld areas	3 hrs	Sat 13/05/23 14:00	Sat 13/05/23 17:00	9181	P Dara
9183	**29C2GF12**	**# B2 PRE-ROLLER CRUSHER – Carry out inspections and service**	**12.75 hrs**	**Sat 06/05/23 09:00**	**Sun 07/05/23 11:15**	**9108**	
9184		Issue permit to work	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15		Operations
9185		Accept Permit	0.25 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:30	9184	B Thuso,L Nakedi,S Tlou
9186		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:45	9185	B Thuso,L Nakedi,S Tlou
9187		Remove Covers	0.5 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:15	9186	B Thuso,L Nakedi,S Tlou
9188		Drain Gearbox Oil	0.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:45	9187	B Thuso,L Nakedi,S Tlou
9189		Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Sat 06/05/23 10:45	Sat 06/05/23 11:45	9188	B Thuso,L Nakedi,S Tlou
9190		Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:45	9189	B Thuso,L Nakedi,S Tlou
9191		Replace Cover Seal And Close The Reservoir	0.5 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:15	9190	B Thuso,L Nakedi,S Tlou
9192		Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct	1 hr	Sat 06/05/23 13:15	Sat 06/05/23 14:15	9191	B Thuso,L Nakedi,S Tlou
9193		Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:45	9192	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9194		Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:15	9193	B Thuso,L Nakedi,S Tlou
9195		Grease All Bearings	1 hr	Sat 06/05/23 15:15	Sat 06/05/23 16:15	9194	B Thuso,L Nakedi,S Tlou
9196		Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:45	9195	B Thuso,L Nakedi,S Tlou
9197		Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Sat 06/05/23 16:45	Sun 07/05/23 07:45	9196	B Thuso,L Nakedi,S Tlou
9198		Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:15	9197	B Thuso,L Nakedi,S Tlou
9199		Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Sun 07/05/23 08:15	Sun 07/05/23 09:15	9198	B Thuso,L Nakedi,S Tlou
9200		Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:45	9199	B Thuso,L Nakedi,S Tlou
9201		Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:15	9200	B Thuso,L Nakedi,S Tlou
9202		Apply Sealant And Close All Side Covers	0.5 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:45	9201	B Thuso,L Nakedi,S Tlou
9203		Carry Out Housekeeping	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	9202	B Thuso,L Nakedi,S Tlou
9204		Clear The Permit	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	9203	B Thuso,L Nakedi,S Tlou
9205	**29C2GF13**	**# B3 PRE-ROLLER CRUSHER – Carry out inspections and service**	**12.75 hrs**	**Sun 07/05/23 11:15**	**Mon 08/05/23 14:00**	**9183**	
9206		Make Out Permit	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30		Operations
9207		Accept Permit	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	9206	B Thuso,L Nakedi,S Tlou
9208		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	9207	B Thuso,L Nakedi,S Tlou
9209		Remove Covers	0.5 hrs	Sun 07/05/23 12:30	Sun 07/05/23 13:00	9208	B Thuso,L Nakedi,S Tlou
9210		Drain Gearbox Oil	0.5 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:30	9209	B Thuso,L Nakedi,S Tlou
9211		Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Sun 07/05/23 13:30	Sun 07/05/23 14:30	9210	B Thuso,L Nakedi,S Tlou
9212		Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Sun 07/05/23 14:30	Sun 07/05/23 15:00	9211	B Thuso,L Nakedi,S Tlou
9213		Replace Cover Seal And Close The Reservoir	0.5 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:30	9212	B Thuso,L Nakedi,S Tlou
9214		Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct	1 hr	Sun 07/05/23 15:30	Sun 07/05/23 16:30	9213	B Thuso,L Nakedi,S Tlou
9215		Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Sun 07/05/23 16:30	Sun 07/05/23 17:00	9214	B Thuso,L Nakedi,S Tlou
9216		Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Sun 07/05/23 17:00	Sun 07/05/23 17:30	9215	B Thuso,L Nakedi,S Tlou
9217		Grease All Bearings	1 hr	Sun 07/05/23 17:30	Mon 08/05/23 07:30	9216	B Thuso,L Nakedi,S Tlou
9218		Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Mon 08/05/23 07:30	Mon 08/05/23 08:00	9217	B Thuso,L Nakedi,S Tlou
9219		Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Mon 08/05/23 08:00	Mon 08/05/23 10:00	9218	B Thuso,L Nakedi,S Tlou
9220		Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:30	9219	B Thuso,L Nakedi,S Tlou
9221		Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Mon 08/05/23 10:30	Mon 08/05/23 11:30	9220	B Thuso,L Nakedi,S Tlou
9222		Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Mon 08/05/23 11:30	Mon 08/05/23 12:00	9221	B Thuso,L Nakedi,S Tlou
9223		Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Mon 08/05/23 12:30	Mon 08/05/23 13:00	9222	B Thuso,L Nakedi,S Tlou
9224		Apply Sealant And Close All Side Covers	0.5 hrs	Mon 08/05/23 13:00	Mon 08/05/23 13:30	9223	B Thuso,L Nakedi,S Tlou
9225		Carry Out Housekeeping	0.25 hrs	Mon 08/05/23 13:30	Mon 08/05/23 13:45	9224	B Thuso,L Nakedi,S Tlou
9226		Clear The Permit	0.25 hrs	Mon 08/05/23 13:45	Mon 08/05/23 14:00	9225	B Thuso,L Nakedi,S Tlou
9227	**29C2GF14**	**# B4 PRE-ROLLER CRUSHER – Carry out inspections and service**	**12.75 hrs**	**Mon 08/05/23 14:00**	**Tue 09/05/23 16:15**	**9205**	
9228		Make Out Permit	0.25 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:15		Operations
9229		Accept Permit	0.25 hrs	Mon 08/05/23 14:15	Mon 08/05/23 14:30	9228	B Thuso,L Nakedi,S Tlou
9230		Carry Out Risk Assesment	0.25 hrs	Mon 08/05/23 14:30	Mon 08/05/23 14:45	9229	B Thuso,L Nakedi,S Tlou
9231		Remove Covers	0.5 hrs	Mon 08/05/23 14:45	Mon 08/05/23 15:15	9230	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9232		Drain Gearbox Oil	0.5 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:45	9231	B Thuso,L Nakedi,S Tlou
9233		Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Mon 08/05/23 15:45	Mon 08/05/23 16:45	9232	B Thuso,L Nakedi,S Tlou
9234		Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Mon 08/05/23 16:45	Mon 08/05/23 17:15	9233	B Thuso,L Nakedi,S Tlou
9235		Replace Cover Seal And Close The Reservoir	0.5 hrs	Mon 08/05/23 17:15	Mon 08/05/23 17:45	9234	B Thuso,L Nakedi,S Tlou
9236		Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct	1 hr	Mon 08/05/23 17:45	Tue 09/05/23 07:45	9235	B Thuso,L Nakedi,S Tlou
9237		Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:15	9236	B Thuso,L Nakedi,S Tlou
9238		Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:45	9237	B Thuso,L Nakedi,S Tlou
9239		Grease All Bearings	1 hr	Tue 09/05/23 08:45	Tue 09/05/23 09:45	9238	B Thuso,L Nakedi,S Tlou
9240		Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:15	9239	B Thuso,L Nakedi,S Tlou
9241		Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Tue 09/05/23 10:15	Tue 09/05/23 12:45	9240	B Thuso,L Nakedi,S Tlou
9242		Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Tue 09/05/23 12:45	Tue 09/05/23 13:15	9241	B Thuso,L Nakedi,S Tlou
9243		Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Tue 09/05/23 13:15	Tue 09/05/23 14:15	9242	B Thuso,L Nakedi,S Tlou
9244		Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Tue 09/05/23 14:15	Tue 09/05/23 14:45	9243	B Thuso,L Nakedi,S Tlou
9245		Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Tue 09/05/23 14:45	Tue 09/05/23 15:15	9244	B Thuso,L Nakedi,S Tlou
9246		Apply Sealant And Close All Side Covers	0.5 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:45	9245	B Thuso,L Nakedi,S Tlou
9247		Carry Out Housekeeping	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00	9246	B Thuso,L Nakedi,S Tlou
9248		Clear The Permit	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	9247	B Thuso,L Nakedi,S Tlou
9249	**29C2GK02**	**# B FEED HOPPER WITH STIRRERS (South) - Overhaul And Repair Base Plates Then Centralise Strainers**	**41.25 hrs**	**Sat 06/05/23 10:30**	**Wed 10/05/23 09:45**	**8970**	
9250		Make Out Permit	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45		Operations
9251		Accept Permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	9250	B Thuso,L Nakedi,S Tlou
9252		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	9251	B Thuso,L Nakedi,S Tlou
9253		Disconnect The Motors	0.5 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:45	9252	L Majoo,Electrician1
9254		Open The Inspection Cover And Perform Gas Test	0.5 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:45	9253	Lab,B Thuso,L Nakedi,S Tlou
9255		Remove The Feed Hopper Bonnet To Access The Stirrers	0.5 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:15	9254	B Thuso,L Nakedi,S Tlou
9256		Support The Stirrers With A Chain Block	0.5 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:45	9255	G Moeseraela,T Moloi,K Gabantogele,B
9257		Uncouple The Stirrers By Removing The Spool Piece	0.5 hrs	Sat 06/05/23 13:45	Sat 06/05/23 14:15	9256	B Thuso,L Nakedi,S Tlou
9258		Lower The Stirrers	0.5 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:45	9257	G Moeseraela,T Moloi,K Gabantogele,B
9259		Support The Geared Unit With A Chain Block	0.5 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:15	9258	G Moeseraela,T Moloi,K Gabantogele,B
9260		Loosen And Remove The Mounting Bolts For The Geared Units	0.5 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:45	9259	B Thuso,L Nakedi,S Tlou
9261		Rig Out The Geared Unit And Transport To The Workshop	1 hr	Sat 06/05/23 15:45	Sat 06/05/23 16:45	9260	G Moeseraela,T Moloi,K Gabantogele
9262		Loosen The Locking Bolt And Extract The Circlip To Remove The Housing	0.5 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:15	9261	B Thuso,L Nakedi,S Tlou
9263		Press Out The Bearings From The Housing	2 hrs	Sat 06/05/23 17:15	Sun 07/05/23 08:15	9262	B Thuso,L Nakedi,S Tlou
9264		Replace Bearings And Peck With New Grease	1 hr	Sun 07/05/23 08:15	Sun 07/05/23 09:15	9263	B Thuso,L Nakedi,S Tlou
9265		Install Bearing Assembly In The Housing,Insert Circlip And A Locking Plate	2 hrs	Sun 07/05/23 09:15	Sun 07/05/23 11:15	9264	B Thuso,L Nakedi,S Tlou
9266		Replace Seals	1 hr	Sun 07/05/23 11:15	Sun 07/05/23 12:45	9265	B Thuso,L Nakedi,S Tlou
9267		Attach The Assembly To The Geared Unit And Secure	1 hr	Sun 07/05/23 12:45	Sun 07/05/23 13:45	9266	B Thuso,L Nakedi,S Tlou
9268		Transport To Site And Rig In Position And Secure	1 hr	Tue 09/05/23 17:15	Wed 10/05/23 07:15	8959,9267	G Moeseraela,T Moloi,K Gabantogele
9269		Couple The Stirrer And The Gearbox	1 hr	Wed 10/05/23 07:15	Wed 10/05/23 08:15	9268	G Moeseraela,T Moloi,K Gabantogele,B

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9270		Reconnect The Motor And Confirm The Direction	0.5 hrs	Wed 10/05/23 08:15	Wed 10/05/23 08:45	9269	L Majoo,Electrician1
9271		Close The Feed Hopper Bonnet	0.5 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:15	9270	B Thuso,L Nakedi,S Tlou
9272		Carry Out Housekeeping	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	9271	B Thuso,L Nakedi,S Tlou
9273		Clear Permit	0.25 hrs	Wed 10/05/23 09:30	Wed 10/05/23 09:45	9272	B Thuso,L Nakedi,S Tlou
9274	**29C2GN07**	**# B1 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**12 hrs**	**Sat 06/05/23 09:00**	**Sun 07/05/23 10:30**	**8954**	
9275		Make Out Permit	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15		Operations
9276		Accept Permit	0.25 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:30	9275	B Thuso,L Nakedi,S Tlou
9277		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:45	9276	B Thuso,L Nakedi,S Tlou
9278		Remove Guards For The Drive Chain	0.5 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:15	9277	B Thuso,L Nakedi,S Tlou
9279		Open The Bonnets And Front Cover	0.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:45	9278	B Thuso,L Nakedi,S Tlou
9280		Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:15	9279	B Thuso,L Nakedi,S Tlou
9281		Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Sat 06/05/23 11:15	Sat 06/05/23 12:45	9280	B Thuso,L Nakedi,S Tlou
9282		Slack The Chain	0.5 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:15	9281	B Thuso,L Nakedi,S Tlou
9283		Check The Profile Ledges And Replace If Ncessary	1 hr	Sat 06/05/23 13:15	Sat 06/05/23 14:15	9282	B Thuso,L Nakedi,S Tlou
9284		Replace The Tensioning Ledges And Secure	1 hr	Sat 06/05/23 14:15	Sat 06/05/23 15:15	9283	B Thuso,L Nakedi,S Tlou
9285		Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:45	9284	B Thuso,L Nakedi,S Tlou
9286		Check Beater Bars For Wear On The Journals	0.5 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:15	9285	B Thuso,L Nakedi,S Tlou
9287		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	2 hrs	Sat 06/05/23 16:15	Sun 07/05/23 07:15	9286	B Thuso,L Nakedi,S Tlou
9288		Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:45	9287	B Thuso,L Nakedi,S Tlou
9289		Check The Cleaning Drive Bushes For Wear	0.5 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:15	9288	B Thuso,L Nakedi,S Tlou
9290		Close The Rear Cover	0.5 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:45	9289	B Thuso,L Nakedi,S Tlou
9291		Close The Front Cover	0.5 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:15	9290	B Thuso,L Nakedi,S Tlou
9292		Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:45	9291	B Thuso,L Nakedi,S Tlou
9293		Stop The Screen And Colse All Covers	0.5 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:15	9292	B Thuso,L Nakedi,S Tlou
9294		Clear Permit	0.25 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:30	9293	B Thuso,L Nakedi,S Tlou
9295	**29C2GK02**	**# B FEED HOPPER WITH STIRRERS (North) - Overhaul And Repair Base Plates Then Centralise Strainers**	**39 hrs**	**Sat 06/05/23 16:45**	**Wed 10/05/23 13:45**	**9261**	
9296		Make Out Permit	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00		Operations
9297		Accept Permit	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15	9296	B Thuso,L Nakedi,S Tlou
9298		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	9297	B Thuso,L Nakedi,S Tlou
9299		Disconnect The Motors	0.5 hrs	Sat 06/05/23 17:30	Sat 06/05/23 18:00	9298	L Majoo,Electrician1
9300		Open The Inspection Cover And Perform Gas Test	0.5 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:30	9299	Lab,B Thuso,L Nakedi,S Tlou
9301		Remove The Feed Hopper Bonnet To Access The Stirrers	0.5 hrs	Sun 07/05/23 07:30	Sun 07/05/23 08:00	9300	B Thuso,L Nakedi,S Tlou
9302		Support The Stirrers With A Chain Block	0.5 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:30	9301	G Moeseraela,T Moloi,K Gabantogele,B
9303		Uncouple The Stirrers By Removing The Spool Piece	0.5 hrs	Sun 07/05/23 08:30	Sun 07/05/23 09:00	9302	B Thuso,L Nakedi,S Tlou
9304		Lower The Stirrers	0.5 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:30	9303	G Moeseraela,T Moloi,K Gabantogele,B
9305		Support The Geared Unit With A Chain Block	0.5 hrs	Sun 07/05/23 09:30	Sun 07/05/23 10:00	9304	G Moeseraela,T Moloi,K Gabantogele,B
9306		Loosen And Remove The Mounting Bolts For The Geared Units	0.5 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:30	9305	B Thuso,L Nakedi,S Tlou
9307		Rig Out The Geared Unit And Transport To The Workshop	1 hr	Sun 07/05/23 10:30	Sun 07/05/23 11:30	9306	G Moeseraela,T Moloi,K Gabantogele
9308		Loosen The Locking Bolt And Extract The Circlip To Remove The Housing	0.5 hrs	Sun 07/05/23 11:30	Sun 07/05/23 12:00	9307	B Thuso,L Nakedi,S Tlou
9309		Press Out The Bearings From The Housing	2 hrs	Sun 07/05/23 12:30	Sun 07/05/23 14:30	9308	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9310		Replace Bearings And Peck With New Grease	1 hr	Sun 07/05/23 14:30	Sun 07/05/23 15:30	9309	B Thuso,L Nakedi,S Tlou
9311		Install Bearing Assembly In The Housing,Insert Circlip And A Locking Plate	2 hrs	Sun 07/05/23 15:30	Sun 07/05/23 17:30	9310	B Thuso,L Nakedi,S Tlou
9312		Replace Seals	1 hr	Sun 07/05/23 17:30	Mon 08/05/23 07:30	9311	B Thuso,L Nakedi,S Tlou
9313		Attach The Assembly To The Geared Unit And Secure	1 hr	Mon 08/05/23 07:30	Mon 08/05/23 08:30	9312	B Thuso,L Nakedi,S Tlou
9314		Transport To Site And Rig In Position And Secure	1 hr	Wed 10/05/23 09:45	Wed 10/05/23 10:45	9249,9313	G Moeseraela,T Moloi,K Gabantogele
9315		Couple The Stirrer And The Gearbox	1 hr	Wed 10/05/23 10:45	Wed 10/05/23 11:45	9314	G Moeseraela,T Moloi,K Gabantogele,B
9316		Reconnect The Motor And Confirm The Direction	0.5 hrs	Wed 10/05/23 11:45	Wed 10/05/23 12:45	9315	L Majoo,Electrician1
9317		Close The Feed Hopper Bonnet	0.5 hrs	Wed 10/05/23 12:45	Wed 10/05/23 13:15	9316	B Thuso,L Nakedi,S Tlou
9318		Carry Out Housekeeping	0.25 hrs	Wed 10/05/23 13:15	Wed 10/05/23 13:30	9317	B Thuso,L Nakedi,S Tlou
9319		Clear Permit	0.25 hrs	Wed 10/05/23 13:30	Wed 10/05/23 13:45	9318	B Thuso,L Nakedi,S Tlou
9320	**29C2GN08**	**# B2 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**12 hrs**	**Sun 07/05/23 10:30**	**Mon 08/05/23 12:00**	**9274**	
9321		Make Out Permit	0.25 hrs	Sun 07/05/23 10:30	Sun 07/05/23 10:45		Operations
9322		Accept Permit	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	9321	B Thuso,L Nakedi,S Tlou
9323		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	9322	B Thuso,L Nakedi,S Tlou
9324		Remove Guards For The Drive Chain	0.5 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:45	9323	B Thuso,L Nakedi,S Tlou
9325		Open The Bonnets And Front Cover	0.5 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:45	9324	B Thuso,L Nakedi,S Tlou
9326		Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:15	9325	B Thuso,L Nakedi,S Tlou
9327		Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Sun 07/05/23 13:15	Sun 07/05/23 14:15	9326	B Thuso,L Nakedi,S Tlou
9328		Slack The Chain	0.5 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:45	9327	B Thuso,L Nakedi,S Tlou
9329		Check The Profile Ledges And Replace If Ncessary	1 hr	Sun 07/05/23 14:45	Sun 07/05/23 15:45	9328	B Thuso,L Nakedi,S Tlou
9330		Replace The Tensioning Ledges And Secure	1 hr	Sun 07/05/23 15:45	Sun 07/05/23 16:45	9329	B Thuso,L Nakedi,S Tlou
9331		Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:15	9330	B Thuso,L Nakedi,S Tlou
9332		Check Beater Bars For Wear On The Journals	0.5 hrs	Sun 07/05/23 17:15	Sun 07/05/23 17:45	9331	B Thuso,L Nakedi,S Tlou
9333		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	2 hrs	Sun 07/05/23 17:45	Mon 08/05/23 08:45	9332	B Thuso,L Nakedi,S Tlou
9334		Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:15	9333	B Thuso,L Nakedi,S Tlou
9335		Check The Cleaning Drive Bushes For Wear	0.5 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:45	9334	B Thuso,L Nakedi,S Tlou
9336		Close The Rear Cover	0.5 hrs	Mon 08/05/23 09:45	Mon 08/05/23 10:15	9335	B Thuso,L Nakedi,S Tlou
9337		Close The Front Cover	0.5 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:45	9336	B Thuso,L Nakedi,S Tlou
9338		Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:15	9337	B Thuso,L Nakedi,S Tlou
9339		Stop The Screen And Colse All Covers	0.5 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:45	9338	B Thuso,L Nakedi,S Tlou
9340		Clear Permit	0.25 hrs	Mon 08/05/23 11:45	Mon 08/05/23 12:00	9339	B Thuso,L Nakedi,S Tlou
9341	**29C2RE03**	**# B2 BELT CONVEYOR - Carry out inspections**	**9.25 hrs**	**Sun 07/05/23 11:30**	**Mon 08/05/23 10:15**	**9307**	
9342		Make Out Permit	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45		Operations
9343		Accept Permit	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	9342	B Thuso,L Nakedi,S Tlou
9344		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	9343	B Thuso,L Nakedi,S Tlou
9345		Replace All Defective Idlers	1 hr	Sun 07/05/23 12:45	Sun 07/05/23 13:45	9344	B Thuso,L Nakedi,S Tlou
9346		Open Plummer Blocks,Clean Old Grease,Inspect Bearings And Repack With New Grease Or Replace If Necessary	2 hrs	Sun 07/05/23 13:45	Sun 07/05/23 15:45	9345	B Thuso,L Nakedi,S Tlou
9347		Inspect Lagging On The Pulleys And Replace If Necessary	0.5 hrs	Sun 07/05/23 15:45	Sun 07/05/23 16:15	9346	B Thuso,L Nakedi,S Tlou
9348		Check The Condition Of The Scraper And Adjust Or Replace If Necessary	0.5 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:45	9347	B Thuso,L Nakedi,S Tlou
9349		Check The Condition Of The Skirting And Adjust Accordingly	0.5 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:15	9348	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9350		Clear The Permit And Obtain Test Run Permit	0.75 hrs	Sun 07/05/23 17:15	Sun 07/05/23 18:00	9349	Operations,B Thuso,L Nakedi,S Tlou
9351		Run The Conveyor And Track It	3 hrs	Sun 07/05/23 18:00	Mon 08/05/23 09:00	9350	Operations,B Thuso,L Nakedi,S Tlou
9352		Sign Off The Test Run Permit And Isolate The Conveyor	0.25 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:15	9351	B Thuso,L Nakedi,S Tlou
9353		Obtain A Permit To Work And Replace Guards	0.5 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:45	9352	Operations,B Thuso,L Nakedi,S Tlou
9354		Carry Out Housekeeping	0.25 hrs	Mon 08/05/23 09:45	Mon 08/05/23 10:00	9353	B Thuso,L Nakedi,S Tlou
9355		Clear Permit	0.25 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:15	9354	Operations
9356	**29C2RE04**	**# B2 BELT CONVEYOR - Carry out inspections**	**9.75 hrs**	**Mon 08/05/23 10:15**	**Tue 09/05/23 09:30**	**9341**	
9357		Make Out Permit	0.25 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:30		Operations
9358		Accept Permit	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45	9357	B Thuso,L Nakedi,S Tlou
9359		Carry Out Risk Assesment	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00	9358	B Thuso,L Nakedi,S Tlou
9360		Replace All Defective Idlers	1 hr	Mon 08/05/23 11:00	Mon 08/05/23 12:00	9359	B Thuso,L Nakedi,S Tlou
9361		Open Plummer Blocks,Clean Old Grease,Inspect Bearings And Repack With New Grease Or Replace If Necessary	2 hrs	Mon 08/05/23 12:30	Mon 08/05/23 14:30	9360	B Thuso,L Nakedi,S Tlou
9362		Inspect Lagging On The Pulleys And Replace If Necessary	0.5 hrs	Mon 08/05/23 14:30	Mon 08/05/23 15:00	9361	B Thuso,L Nakedi,S Tlou
9363		Check The Condition Of The Scraper And Adjust Or Replace If Necessary	0.5 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:30	9362	B Thuso,L Nakedi,S Tlou
9364		Check The Condition Of The Skirting And Adjust Accordingly	0.5 hrs	Mon 08/05/23 15:30	Mon 08/05/23 16:00	9363	B Thuso,L Nakedi,S Tlou
9365		Clear The Permit And Obtain Test Run Permit	0.75 hrs	Mon 08/05/23 16:00	Mon 08/05/23 16:45	9364	Operations,B Thuso,L Nakedi,S Tlou
9366		Run The Conveyor And Track It	2.75 hrs	Mon 08/05/23 16:45	Tue 09/05/23 07:45	9365	Operations,B Thuso,L Nakedi,S Tlou
9367		Sign Off The Test Run Permit And Isolate The Conveyor	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	9366	B Thuso,L Nakedi,S Tlou
9368		Obtain A Permit To Work And Replace Guards	1 hr	Tue 09/05/23 08:00	Tue 09/05/23 09:00	9367	Operations,B Thuso,L Nakedi,S Tlou
9369		Carry Out Housekeeping	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15	9368	B Thuso,L Nakedi,S Tlou
9370		Clear Permit	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30	9369	Operations
9371	**29C2GN09**	**# B3 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**11.75 hrs**	**Mon 08/05/23 12:00**	**Tue 09/05/23 13:45**	**9320**	
9372		Make Out Permit	0.25 hrs	Mon 08/05/23 12:00	Mon 08/05/23 12:15		Operations
9373		Accept Permit	0.25 hrs	Mon 08/05/23 12:30	Mon 08/05/23 12:45	9372	B Thuso,L Nakedi,S Tlou
9374		Carry Out Risk Assesment	0.25 hrs	Mon 08/05/23 12:45	Mon 08/05/23 13:00	9373	B Thuso,L Nakedi,S Tlou
9375		Remove Guards For The Drive Chain	0.5 hrs	Mon 08/05/23 13:00	Mon 08/05/23 13:30	9374	B Thuso,L Nakedi,S Tlou
9376		Open The Bonnets And Front Cover	0.5 hrs	Mon 08/05/23 13:30	Mon 08/05/23 14:00	9375	B Thuso,L Nakedi,S Tlou
9377		Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:30	9376	B Thuso,L Nakedi,S Tlou
9378		Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Mon 08/05/23 14:30	Mon 08/05/23 15:30	9377	B Thuso,L Nakedi,S Tlou
9379		Slack The Chain	0.5 hrs	Mon 08/05/23 15:30	Mon 08/05/23 16:00	9378	B Thuso,L Nakedi,S Tlou
9380		Check The Profile Ledges And Replace If Ncessary	1 hr	Mon 08/05/23 16:00	Mon 08/05/23 17:00	9379	B Thuso,L Nakedi,S Tlou
9381		Replace The Tensioning Ledges And Secure	1 hr	Mon 08/05/23 17:00	Mon 08/05/23 18:00	9380	B Thuso,L Nakedi,S Tlou
9382		Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:30	9381	B Thuso,L Nakedi,S Tlou
9383		Check Beater Bars For Wear On The Journals	0.5 hrs	Tue 09/05/23 07:30	Tue 09/05/23 08:00	9382	B Thuso,L Nakedi,S Tlou
9384		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	2 hrs	Tue 09/05/23 08:00	Tue 09/05/23 10:00	9383	B Thuso,L Nakedi,S Tlou
9385		Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:30	9384	B Thuso,L Nakedi,S Tlou
9386		Check The Cleaning Drive Bushes For Wear	0.5 hrs	Tue 09/05/23 10:30	Tue 09/05/23 11:00	9385	B Thuso,L Nakedi,S Tlou
9387		Close The Rear Cover	0.5 hrs	Tue 09/05/23 11:00	Tue 09/05/23 11:30	9386	B Thuso,L Nakedi,S Tlou
9388		Close The Front Cover	0.5 hrs	Tue 09/05/23 11:30	Tue 09/05/23 12:00	9387	B Thuso,L Nakedi,S Tlou
9389		Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Tue 09/05/23 12:30	Tue 09/05/23 13:00	9388	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9390		Stop The Screen And Colse All Covers	0.5 hrs	Tue 09/05/23 13:00	Tue 09/05/23 13:30	9389	B Thuso,L Nakedi,S Tlou
9391		Clear Permit	0.25 hrs	Tue 09/05/23 13:30	Tue 09/05/23 13:45	9390	B Thuso,L Nakedi,S Tlou
9392	**29C2GN10**	**# B4 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**12 hrs**	**Tue 09/05/23 13:45**	**Wed 10/05/23 15:15**	**9371**	
9393		Make Out Permit	0.25 hrs	Tue 09/05/23 13:45	Tue 09/05/23 14:00		Operations
9394		Accept Permit	0.25 hrs	Tue 09/05/23 14:00	Tue 09/05/23 14:15	9393	B Thuso,L Nakedi,S Tlou
9395		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 14:15	Tue 09/05/23 14:30	9394	B Thuso,L Nakedi,S Tlou
9396		Remove Guards For The Drive Chain	0.5 hrs	Tue 09/05/23 14:30	Tue 09/05/23 15:00	9395	B Thuso,L Nakedi,S Tlou
9397		Open The Bonnets And Front Cover	0.5 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:30	9396	B Thuso,L Nakedi,S Tlou
9398		Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Tue 09/05/23 15:30	Tue 09/05/23 16:00	9397	B Thuso,L Nakedi,S Tlou
9399		Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Tue 09/05/23 16:00	Tue 09/05/23 17:00	9398	B Thuso,L Nakedi,S Tlou
9400		Slack The Chain	0.5 hrs	Tue 09/05/23 17:00	Tue 09/05/23 17:30	9399	B Thuso,L Nakedi,S Tlou
9401		Check The Profile Ledges And Replace If Ncessary	1 hr	Tue 09/05/23 17:30	Wed 10/05/23 07:30	9400	B Thuso,L Nakedi,S Tlou
9402		Replace The Tensioning Ledges And Secure	1 hr	Wed 10/05/23 07:30	Wed 10/05/23 08:30	9401	B Thuso,L Nakedi,S Tlou
9403		Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Wed 10/05/23 08:30	Wed 10/05/23 09:00	9402	B Thuso,L Nakedi,S Tlou
9404		Check Beater Bars For Wear On The Journals	0.5 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:30	9403	B Thuso,L Nakedi,S Tlou
9405		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	2 hrs	Wed 10/05/23 09:30	Wed 10/05/23 11:30	9404	B Thuso,L Nakedi,S Tlou
9406		Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Wed 10/05/23 11:30	Wed 10/05/23 12:00	9405	B Thuso,L Nakedi,S Tlou
9407		Check The Cleaning Drive Bushes For Wear	0.5 hrs	Wed 10/05/23 12:30	Wed 10/05/23 13:00	9406	B Thuso,L Nakedi,S Tlou
9408		Close The Rear Cover	0.5 hrs	Wed 10/05/23 13:00	Wed 10/05/23 13:30	9407	B Thuso,L Nakedi,S Tlou
9409		Close The Front Cover	0.5 hrs	Wed 10/05/23 13:30	Wed 10/05/23 14:00	9408	B Thuso,L Nakedi,S Tlou
9410		Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:30	9409	B Thuso,L Nakedi,S Tlou
9411		Stop The Screen And Colse All Covers	0.5 hrs	Wed 10/05/23 14:30	Wed 10/05/23 15:00	9410	B Thuso,L Nakedi,S Tlou
9412		Clear Permit	0.25 hrs	Wed 10/05/23 15:00	Wed 10/05/23 15:15	9411	B Thuso,L Nakedi,S Tlou
9413	**29C2RP03**	**# B1 BUCKET ELEVATOR - Replace gearbox, carry out inspections and NDT**	**30.75 hrs**	**Wed 10/05/23 13:45**	**Sat 13/05/23 13:00**	**9295**	
9414		Make Out Permit	0.25 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:00		Operations
9415		Accept Permit	0.25 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:15	9414	B Thuso,L Nakedi,S Tlou
9416		Carry Out Risk Assesment	0.25 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:30	9415	B Thuso,L Nakedi,S Tlou
9417		Disconnect motor	1 hr	Wed 10/05/23 14:30	Wed 10/05/23 15:30	9416	L Majoo,Electrician1
9418		Support geared unit	1.5 hrs	Wed 10/05/23 15:30	Wed 10/05/23 17:00	9417	B Thuso,L Nakedi,S Tlou
9419		Loosen mounting bolts	1 hr	Wed 10/05/23 17:00	Wed 10/05/23 18:00	9418	B Thuso,L Nakedi,S Tlou
9420		Press and rig out geared unit	3 hrs	Thu 11/05/23 07:00	Thu 11/05/23 10:00	9419	O/H crane,G Moeseraela,T Moloi
9421		Clean shaft and inspect	1 hr	Thu 11/05/23 10:00	Thu 11/05/23 11:00	9420	B Thuso,L Nakedi,S Tlou
9422		Rig in new gearbox	2 hrs	Thu 11/05/23 11:00	Thu 11/05/23 13:30	9421	O/H crane,G Moeseraela,T Moloi
9423		Tighten mounting bolts	1 hr	Thu 11/05/23 13:30	Thu 11/05/23 14:30	9422	B Thuso,L Nakedi,S Tlou
9424		Rig in motor	1 hr	Thu 11/05/23 14:30	Thu 11/05/23 15:30	9423	O/H crane,G Moeseraela,T Moloi
9425		Connect motor	0.5 hrs	Thu 11/05/23 15:30	Thu 11/05/23 16:00	9424	L Majoo,Electrician1
9426		Verify direction of rotation	0.25 hrs	Thu 11/05/23 16:00	Thu 11/05/23 16:15	9425	B Thuso,L Nakedi,S Tlou
9427		Couple gearbox and motor	1 hr	Thu 11/05/23 16:15	Thu 11/05/23 17:15	9426	B Thuso,L Nakedi,S Tlou
9428		Refill oil	0.5 hrs	Thu 11/05/23 17:15	Thu 11/05/23 17:45	9427	B Thuso,L Nakedi,S Tlou
9429		Align and adjust vee belts to correct tension	1 hr	Thu 11/05/23 17:45	Fri 12/05/23 07:45	9428	B Thuso,L Nakedi,S Tlou
9430		Install drive guards	0.5 hrs	Fri 12/05/23 07:45	Fri 12/05/23 08:15	9429	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9431		Open The Inspection Doors	0.5 hrs	Fri 12/05/23 08:15	Fri 12/05/23 08:45	9430	B Thuso,L Nakedi,S Tlou
9432		Carry out decontamination protocol	12 hrs	Wed 10/05/23 13:45	Thu 11/05/23 15:15		Nicholas
9433		Run The Chain To Identify Damaged Links,Buckets And Mark Them	0.5 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:15	9431	B Thuso,L Nakedi,S Tlou
9434		Run The Chain To Position The Buckets That Are To Be Removed	0.5 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:45	9433	B Thuso,L Nakedi,S Tlou
9435		Isolate The Bucket Elevator And Lock It, (Local Isolation)	0.25 hrs	Fri 12/05/23 09:45	Fri 12/05/23 10:00	9434	B Thuso,L Nakedi,S Tlou
9436		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Fri 12/05/23 10:00	Fri 12/05/23 10:30	9435	B Thuso,L Nakedi,S Tlou
9437		Secure The Elevator Using Latching	0.5 hrs	Fri 12/05/23 10:30	Fri 12/05/23 11:00	9436	B Thuso,L Nakedi,S Tlou
9438		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:30	9437	B Thuso,L Nakedi,S Tlou
9439		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Fri 12/05/23 11:30	Fri 12/05/23 12:00	9438	B Thuso,L Nakedi,S Tlou
9440		Replace Damaged Buckets	0.5 hrs	Fri 12/05/23 12:30	Fri 12/05/23 13:00	9439	B Thuso,L Nakedi,S Tlou
9441		Remove Latching	0.5 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:30	9440	B Thuso,L Nakedi,S Tlou
9442		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Fri 12/05/23 13:30	Fri 12/05/23 17:15	9441	B Thuso,L Nakedi,S Tlou
9443		Apply Sealant And Close The Doors	1 hr	Fri 12/05/23 17:15	Sat 13/05/23 07:15	9442	B Thuso,L Nakedi,S Tlou
9444		Open Plummer Blocks And Clean Old Grease	1 hr	Sat 13/05/23 07:15	Sat 13/05/23 08:15	9443	B Thuso,L Nakedi,S Tlou
9445		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sat 13/05/23 08:15	Sat 13/05/23 09:15	9444	B Thuso,L Nakedi,S Tlou
9446		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 13/05/23 09:15	Sat 13/05/23 09:45	9445	B Thuso,L Nakedi,S Tlou
9447		Slack The V Belts And Replace With New Spb 1590X3	1 hr	Sat 13/05/23 09:45	Sat 13/05/23 10:45	9446	B Thuso,L Nakedi,S Tlou
9448		Tension To The Correct Force And Deflection	0.5 hrs	Sat 13/05/23 10:45	Sat 13/05/23 11:15	9447	B Thuso,L Nakedi,S Tlou
9449		Replace Guard And Secure	0.5 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:45	9448	B Thuso,L Nakedi,S Tlou
9450		Remove decontamination controls	6 hrs	Thu 11/05/23 15:15	Fri 12/05/23 10:15	9432	Nicholas
9451		Drain Gearbox Oil And Refill With New Gengear 220	0.25 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:00	9449	B Thuso,L Nakedi,S Tlou
9452		Carry Out Housekeeping	0.25 hrs	Sat 13/05/23 12:30	Sat 13/05/23 12:45	9451	B Thuso,L Nakedi,S Tlou
9453		Clear Permit	0.25 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:00	9452	Operations
9454	**29C2GN11**	**# B1 SECONDARY VIBRATING SCREEN - Overhaul Bottom Deck**	**16 hrs**	**Wed 10/05/23 15:15**	**Fri 12/05/23 09:45**	**9392**	
9455		Make Out Permit	0.25 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:30		Operations
9456		Accept Permit	0.25 hrs	Wed 10/05/23 15:30	Wed 10/05/23 15:45	9455	B Thuso,L Nakedi,S Tlou
9457		Carry Out Risk Assesment	0.25 hrs	Wed 10/05/23 15:45	Wed 10/05/23 16:00	9456	B Thuso,L Nakedi,S Tlou
9458		Disconnect All Coils(0.25/Headx14 Off)	2 hrs	Wed 10/05/23 16:00	Wed 10/05/23 18:00	9457	L Majoo,Electrician1
9459		Loosen And Remove The Crank Arms To Uncounple The Head And The Beater Bar(0.25/Head X 14)	1 hr	Thu 11/05/23 07:00	Thu 11/05/23 08:00	9458	B Thuso,L Nakedi,S Tlou
9460		Loosen And Remove The Square Bush (0.25/Head X 14)	1 hr	Thu 11/05/23 08:00	Thu 11/05/23 09:00	9459	B Thuso,L Nakedi,S Tlou
9461		Remove The Coil And Put It Aside(0.25/Head X 14)	1 hr	Thu 11/05/23 09:00	Thu 11/05/23 10:00	9460	B Thuso,L Nakedi,S Tlou
9462		Remove The Vibrating Heads(0.25/Head X 14)	1 hr	Thu 11/05/23 10:00	Thu 11/05/23 11:00	9461	B Thuso,L Nakedi,S Tlou
9463		Clean The Vibrating Heads And Transport To Workshop	1 hr	Thu 11/05/23 11:00	Thu 11/05/23 12:00	9462	B Thuso,L Nakedi,S Tlou
9464		Separate The Hammer Assembly From The Housing And Clean The Old Grease(0.25/Head X 14)	1 hr	Thu 11/05/23 12:30	Thu 11/05/23 13:30	9463	B Thuso,L Nakedi,S Tlou
9465		Wash All The Components In Csd And Inspect The Hammer,Spring Assembly,Spring Support And Stem For Cracks,Wear And Physical Damage,Then Replace If Necessary	0.5 hrs	Thu 11/05/23 13:30	Thu 11/05/23 14:00	9464	B Thuso,L Nakedi,S Tlou
9466		Place The Housing On A Flat Surface	0 hrs	Thu 11/05/23 14:00	Thu 11/05/23 14:00	9465	B Thuso,L Nakedi,S Tlou
9467		Install The Hammer Assembly On The Housing	1 hr	Thu 11/05/23 14:00	Thu 11/05/23 15:00	9466	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9468		Align The Hammer Using A Profile Gauge So That The Clearances Are Also Achieved At The Same Time,Then Secure The Hammer Assembly To The Base(0.25/Head X 14)	1 hr	Thu 11/05/23 15:00	Thu 11/05/23 16:00	9467	B Thuso,L Nakedi,S Tlou
9469		Pack With Grease And Replace The Gasket And Stem Seal(0.25/Head X 14)	1 hr	Thu 11/05/23 16:00	Thu 11/05/23 17:00	9468	B Thuso,L Nakedi,S Tlou
9470		Transport To The Plant And Install Back In Position And Secure	1 hr	Thu 11/05/23 17:00	Thu 11/05/23 18:00	9469	B Thuso,L Nakedi,S Tlou
9471		Connect The Vibrating Head To The Beater Bar Using Crank Arm At Correct Angle Of 90 Degrees	1 hr	Fri 12/05/23 07:00	Fri 12/05/23 08:00	9470	B Thuso,L Nakedi,S Tlou
9472		Reconnect The Coils	1 hr	Fri 12/05/23 08:00	Fri 12/05/23 09:00	9471	L Majoo,Electrician1
9473		Sign Off The Permit	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	9472	B Thuso,L Nakedi,S Tlou
9474		Obtain Test Run Permi And Test The Screen	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30	9473	B Thuso,L Nakedi,S Tlou
9475		Clear Permit	0.25 hrs	Fri 12/05/23 09:30	Fri 12/05/23 09:45	9474	Operations
9476	**29C2RH05**	**# B1 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts Etc)**	**22.25 hrs**	**Mon 15/05/23 07:30**	**Wed 17/05/23 08:45**	**8025**	
9477		Make Out Permit	0.25 hrs	Mon 15/05/23 07:30	Mon 15/05/23 07:45		Operations
9478		Accept Permit	0.25 hrs	Mon 15/05/23 07:45	Mon 15/05/23 08:00	9477	B Thuso,L Nakedi,S Tlou
9479		Carry Out Risk Assesment	0.25 hrs	Mon 15/05/23 08:00	Mon 15/05/23 08:15	9478	B Thuso,L Nakedi,S Tlou
9480		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Mon 15/05/23 08:15	Mon 15/05/23 14:45	9479	B Thuso,L Nakedi,S Tlou
9481		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Mon 15/05/23 14:45	Tue 16/05/23 09:15	9480	B Thuso,L Nakedi,S Tlou
9482		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Tue 16/05/23 09:15	Tue 16/05/23 11:15	9481	B Thuso,L Nakedi,S Tlou
9483		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Tue 16/05/23 11:15	Tue 16/05/23 13:45	9482	B Thuso,L Nakedi,S Tlou
9484		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Tue 16/05/23 13:45	Tue 16/05/23 15:45	9483	B Thuso,L Nakedi,S Tlou
9485		Check For Cracks On The Tray And Repair Accordinly	1 hr	Tue 16/05/23 15:45	Tue 16/05/23 16:45	9484	B Thuso,L Nakedi,S Tlou
9486		Loosen And Remove The Back Cover For The Coil	1 hr	Tue 16/05/23 16:45	Tue 16/05/23 17:45	9485	B Thuso,L Nakedi,S Tlou
9487		Check The Springs For The Coil And Replace If Necessary	1 hr	Tue 16/05/23 17:45	Wed 17/05/23 07:45	9486	B Thuso,L Nakedi,S Tlou
9488		Replace The Back Cover And Secure	0.5 hrs	Wed 17/05/23 07:45	Wed 17/05/23 08:15	9487	B Thuso,L Nakedi,S Tlou
9489		Carry Out House Keeping	0.25 hrs	Wed 17/05/23 08:15	Wed 17/05/23 08:30	9488	B Thuso,L Nakedi,S Tlou
9490		Clear Permit	0.25 hrs	Wed 17/05/23 08:30	Wed 17/05/23 08:45	9489	Operations
9491	**29C2GN12**	**# B2 SECONDARY VIBRATING SCREEN - Overhaul Bottom Deck**	**29.25 hrs**	**Fri 12/05/23 09:45**	**Mon 15/05/23 07:30**	**9454**	
9492		Make Out Permit	0.25 hrs	Fri 12/05/23 09:45	Fri 12/05/23 10:00		Operations
9493		Accept Permit	0.25 hrs	Fri 12/05/23 10:00	Fri 12/05/23 10:15	9492	B Thuso,L Nakedi,S Tlou
9494		Carry Out Risk Assesment	0.25 hrs	Fri 12/05/23 10:15	Fri 12/05/23 10:30	9493	B Thuso,L Nakedi,S Tlou
9495		Disconnect All Coils(0.25/Headx14 Off)	3.5 hrs	Fri 12/05/23 10:30	Fri 12/05/23 14:30	9494	L Majoo,Electrician1
9496		Loosen And Remove The Crank Arms To Uncounple The Head And The Beater Bar(0.25/Head X 14)	3.5 hrs	Fri 12/05/23 14:30	Fri 12/05/23 18:00	9495	B Thuso,L Nakedi,S Tlou
9497		Loosen And Remove The Square Bush (0.25/Head X 14)	3.5 hrs	Sat 13/05/23 07:00	Sat 13/05/23 10:30	9496	B Thuso,L Nakedi,S Tlou
9498		Remove The Coil And Put It Aside(0.25/Head X 14)	3.5 hrs	Sat 13/05/23 10:30	Sat 13/05/23 14:30	9497	B Thuso,L Nakedi,S Tlou
9499		Remove The Vibrating Heads(0.25/Head X 14)	3.5 hrs	Sat 13/05/23 14:30	Sat 13/05/23 18:00	9498	B Thuso,L Nakedi,S Tlou
9500		Clean The Vibrating Heads And Transport To Workshop	0.25 hrs	Sun 14/05/23 07:00	Sun 14/05/23 07:15	9499	B Thuso,L Nakedi,S Tlou
9501		Separate The Hammer Assembly From The Housing And Clean The Old Grease(0.25/Head X 14)	3.5 hrs	Sun 14/05/23 07:15	Sun 14/05/23 10:45	9500	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9502		Wash All The Components In Csd And Inspect The Hammer,Spring Assembly,Spring Support And Stem For Cracks,Wear And Physical Damage,Then Replace If Necessary	0.5 hrs	Sun 14/05/23 10:45	Sun 14/05/23 11:15	9501	B Thuso,L Nakedi,S Tlou
9503		Place The Housing On A Flat Surface	0 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:15	9502	B Thuso,L Nakedi,S Tlou
9504		Install The Hammer Assembly On The Housing	1 hr	Sun 14/05/23 11:15	Sun 14/05/23 12:45	9503	B Thuso,L Nakedi,S Tlou
9505		Align The Hammer Using A Profile Gauge So That The Clearances Are Also Achieved At The Same Time,Then Secure The Hammer Assembly To The Base(0.25/Head X 14)	1 hr	Sun 14/05/23 12:45	Sun 14/05/23 13:45	9504	B Thuso,L Nakedi,S Tlou
9506		Pack With Grease And Replace The Gasket And Stem Seal(0.25/Head X 14)	1 hr	Sun 14/05/23 13:45	Sun 14/05/23 14:45	9505	B Thuso,L Nakedi,S Tlou
9507		Transport To The Plant And Install Back In Position And Secure	1 hr	Sun 14/05/23 14:45	Sun 14/05/23 15:45	9506	B Thuso,L Nakedi,S Tlou
9508		Connect The Vibrating Head To The Beater Bar Using Crank Arm At Correct Angle Of 90 Degrees	1 hr	Sun 14/05/23 15:45	Sun 14/05/23 16:45	9507	B Thuso,L Nakedi,S Tlou
9509		Reconnect The Coils	1 hr	Sun 14/05/23 16:45	Sun 14/05/23 17:45	9508	L Majoo,Electrician1
9510		Sign Off The Permit	0.25 hrs	Sun 14/05/23 17:45	Sun 14/05/23 18:00	9509	B Thuso,L Nakedi,S Tlou
9511		Obtain Test Run Permi And Test The Screen	0.25 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:15	9510	B Thuso,L Nakedi,S Tlou
9512		Clear Permit	0.25 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:30	9511	Operations
9513	**29C2RP04**	**# B2 BUCKET ELEVATOR - Inspection And NDT**	**33.5 hrs**	**Sat 13/05/23 13:00**	**Tue 16/05/23 15:00**	**9413**	
9514		Make Out Permit	0.25 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:15		Operations
9515		Accept Permit	0.25 hrs	Sat 13/05/23 13:15	Sat 13/05/23 13:30	9514	B Thuso,L Nakedi,S Tlou
9516		Carry Out Risk Assesment	0.25 hrs	Sat 13/05/23 13:30	Sat 13/05/23 13:45	9515	B Thuso,L Nakedi,S Tlou
9517		Open The Inspection Doors	0.5 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:15	9516	B Thuso,L Nakedi,S Tlou
9518		Carry out decontamination protocol	12 hrs	Sat 13/05/23 14:15	Sun 14/05/23 15:45	9517	Nicholas
9519		Run The Chain To Identify Damaged Links,Buckets And Mark Them	0.5 hrs	Sun 14/05/23 15:45	Sun 14/05/23 16:15	9518	B Thuso,L Nakedi,S Tlou
9520		Run The Chain To Position The Buckets That Are To Be Removed	0.5 hrs	Sun 14/05/23 16:15	Sun 14/05/23 16:45	9519	B Thuso,L Nakedi,S Tlou
9521		Isolate The Bucket Elevator And Lock It, (Local Isolation)	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	9520	B Thuso,L Nakedi,S Tlou
9522		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:30	9521	B Thuso,L Nakedi,S Tlou
9523		Secure The Elevator Using Latching	0.5 hrs	Sun 14/05/23 17:30	Sun 14/05/23 18:00	9522	B Thuso,L Nakedi,S Tlou
9524		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:30	9523	B Thuso,L Nakedi,S Tlou
9525		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Mon 15/05/23 07:30	Mon 15/05/23 08:00	9524	B Thuso,L Nakedi,S Tlou
9526		Replace Damaged Buckets	0.5 hrs	Mon 15/05/23 08:00	Mon 15/05/23 08:30	9525	B Thuso,L Nakedi,S Tlou
9527		Remove Latching	0.5 hrs	Mon 15/05/23 08:30	Mon 15/05/23 09:00	9526	B Thuso,L Nakedi,S Tlou
9528		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Mon 15/05/23 09:00	Mon 15/05/23 13:15	9527	B Thuso,L Nakedi,S Tlou
9529		Apply Sealant And Close The Doors	1 hr	Mon 15/05/23 13:15	Mon 15/05/23 14:15	9528	B Thuso,L Nakedi,S Tlou
9530		Open Plummer Blocks And Clean Old Grease	1 hr	Mon 15/05/23 14:15	Mon 15/05/23 15:15	9529	B Thuso,L Nakedi,S Tlou
9531		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Mon 15/05/23 15:15	Mon 15/05/23 16:15	9530	B Thuso,L Nakedi,S Tlou
9532		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Mon 15/05/23 16:15	Mon 15/05/23 16:45	9531	B Thuso,L Nakedi,S Tlou
9533		Slack The V Belts And Replace With New Spb 1590X3	1 hr	Mon 15/05/23 16:45	Mon 15/05/23 17:45	9532	B Thuso,L Nakedi,S Tlou
9534		Tension To The Correct Force And Deflection	0.5 hrs	Mon 15/05/23 17:45	Tue 16/05/23 07:15	9533	B Thuso,L Nakedi,S Tlou
9535		Replace Guard And Secure	0.5 hrs	Tue 16/05/23 07:15	Tue 16/05/23 07:45	9534	B Thuso,L Nakedi,S Tlou
9536		Remove decontamination controls	6 hrs	Tue 16/05/23 07:45	Tue 16/05/23 14:15	9535	Nicholas
9537		Drain Gearbox Oil And Refill With New Gengear 220	0.25 hrs	Tue 16/05/23 14:15	Tue 16/05/23 14:30	9450,9536	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9538		Carry Out Housekeeping	0.25 hrs	Tue 16/05/23 14:30	Tue 16/05/23 14:45	9537	B Thuso,L Nakedi,S Tlou
9539		Clear Permit	0.25 hrs	Tue 16/05/23 14:45	Tue 16/05/23 15:00	9538	Operations
9540	**29C2GP02**	**# B COMPACTOR (Transfer Screw) - Carry out inspection**	**3.25 hrs**	**Fri 19/05/23 13:15**	**Fri 19/05/23 16:30**	**9078**	
9541		Accept permit	0.25 hrs	Fri 19/05/23 13:15	Fri 19/05/23 13:30		B Thuso,L Nakedi,S Tlou
9542		Carry out risk assesment	0.25 hrs	Fri 19/05/23 13:30	Fri 19/05/23 13:45	9541	B Thuso,L Nakedi,S Tlou
9543		Remove top covers	0.5 hrs	Fri 19/05/23 13:45	Fri 19/05/23 14:15	9542	B Thuso,L Nakedi,S Tlou
9544		Inspect screw for wear,physical damage and deformation	0.5 hrs	Fri 19/05/23 14:15	Fri 19/05/23 14:45	9543	B Thuso,L Nakedi,S Tlou
9545		Apply sealant and replace top covers	0.5 hrs	Fri 19/05/23 14:45	Fri 19/05/23 15:15	9544	B Thuso,L Nakedi,S Tlou
9546		Inspect flange bearings,lubricate with grease and replace if necessary	1 hr	Fri 19/05/23 15:15	Fri 19/05/23 16:15	9545	B Thuso,L Nakedi,S Tlou
9547		Clear permit	0.25 hrs	Fri 19/05/23 16:15	Fri 19/05/23 16:30	9546	Operations
9548	**29C2GP02**	**# B COMPACTOR - (Distribution screw) Carry out inspection**	**9.5 hrs**	**Thu 04/05/23 22:45**	**Fri 05/05/23 17:00**		
9549		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
9550		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	9549	B Thuso,L Nakedi,S Tlou
9551		Carry out risk assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	9550	B Thuso,L Nakedi,S Tlou
9552		Remove top covers(Hood)	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	9551	B Thuso,L Nakedi,S Tlou
9553		Diconnect motor and mark the terminals	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	9552	L Majoo,Electrician1
9554		Remove oversize pipe	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	9553	B Thuso,L Nakedi,S Tlou
9555		Loosen mounting bolts and rig out the screw	1.75 hrs	Fri 05/05/23 09:00	Fri 05/05/23 10:45	9554	G Moeseraela,T Moloi,K Gabantogele
9556		Wash screw thoroughly and transport to the workshop	0.5 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:15	9555	B Thuso,L Nakedi,S Tlou
9557		Open the top cover and inspect the screw for wear,physical damage and deformation	0.5 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:45	9556	B Thuso,L Nakedi,S Tlou
9558		Remove gearbox and change bearings	0.5 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:45	9557	B Thuso,L Nakedi,S Tlou
9559		Replace gearbox with a new one	0.5 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:15	9558	B Thuso,L Nakedi,S Tlou
9560		Transport to the site	0.5 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:45	9559	B Thuso,L Nakedi,S Tlou
9561		Rig in position	1.5 hrs	Fri 05/05/23 13:45	Fri 05/05/23 15:15	9560	G Moeseraela,T Moloi,K Gabantogele
9562		Reconnect the motor and check direction	0.5 hrs	Fri 05/05/23 15:15	Fri 05/05/23 15:45	9561	L Majoo,Electrician1
9563		Replace oversize pipe	0.5 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:15	9562	B Thuso,L Nakedi,S Tlou
9564		Replace the covers(Hood)	0.5 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:45	9563	B Thuso,L Nakedi,S Tlou
9565		Clear permit	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	9564	Operations
9566	**29C2RH06**	**# B2 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts Etc)**	**21.75 hrs**	**Thu 04/05/23 22:45**	**Sun 07/05/23 07:45**		
9567		Make Out Permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
9568		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		B Thuso,L Nakedi,S Tlou
9569		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		B Thuso,L Nakedi,S Tlou
9570		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Fri 05/05/23 07:15	Fri 05/05/23 13:45	9569	B Thuso,L Nakedi,S Tlou
9571		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Fri 05/05/23 13:45	Sat 06/05/23 08:15	9570	B Thuso,L Nakedi,S Tlou
9572		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Sat 06/05/23 08:15	Sat 06/05/23 10:15	9571	B Thuso,L Nakedi,S Tlou
9573		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Sat 06/05/23 10:15	Sat 06/05/23 12:45	9572	B Thuso,L Nakedi,S Tlou
9574		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Sat 06/05/23 12:45	Sat 06/05/23 14:45	9573	B Thuso,L Nakedi,S Tlou
9575		Check For Cracks On The Tray And Repair Accordinly	1 hr	Sat 06/05/23 14:45	Sat 06/05/23 15:45	9574	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9576		Loosen And Remove The Back Cover For The Coil	1 hr	Sat 06/05/23 15:45	Sat 06/05/23 16:45	9575	B Thuso,L Nakedi,S Tlou
9577		Check The Springs For The Coil And Replace If Necessary	1 hr	Sat 06/05/23 16:45	Sat 06/05/23 17:45	9576	B Thuso,L Nakedi,S Tlou
9578		Replace The Back Cover And Secure	0.5 hrs	Sat 06/05/23 17:45	Sun 07/05/23 07:15	9577	B Thuso,L Nakedi,S Tlou
9579		Carry Out House Keeping	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	9578	B Thuso,L Nakedi,S Tlou
9580		Clear Permit	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	9579	Operations
9581	**29C2RF10**	**# B2 CHAIN CONVEYOR - Thorough Inspection And Replace drive sprocket shaft**	**58.5 hrs**	**Sun 07/05/23 07:45**	**Fri 12/05/23 14:15**	**9566**	
9582		Make Out Permit	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00		Operations
9583		Accept Permit	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15	9582	B Thuso,L Nakedi,S Tlou
9584		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30	9583	B Thuso,L Nakedi,S Tlou
9585		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Sun 07/05/23 08:30	Sun 07/05/23 09:00	9584	B Thuso,L Nakedi,S Tlou
9586		Remove drive guards	1 hr	Sun 07/05/23 09:00	Sun 07/05/23 10:00	9585	B Thuso,L Nakedi,S Tlou
9587		Loosen motor mounting bolts and slack vee belts	0.5 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:30	9586	B Thuso,L Nakedi,S Tlou
9588		Remove vee belts and rig out motor	2 hrs	Sun 07/05/23 10:30	Sun 07/05/23 13:00	9587	G Moeseraela,T Moloi,B Thuso,L Naked
9589		Slack drag chain	0.5 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:30	9588	B Thuso,L Nakedi,S Tlou
9590		Split drag chain to access drive shaft	1 hr	Sun 07/05/23 13:30	Sun 07/05/23 14:30	9589	B Thuso,L Nakedi,S Tlou
9591		Loosen drive station mounting bolts	2 hrs	Sun 07/05/23 14:30	Sun 07/05/23 16:30	9590	B Thuso,L Nakedi,S Tlou
9592		Drain gearbox oil	1 hr	Sun 07/05/23 16:30	Sun 07/05/23 17:30	9591	B Thuso,L Nakedi,S Tlou
9593		Disconnect motor	0.5 hrs	Sun 07/05/23 17:30	Sun 07/05/23 18:00	9592	L Majoo,Electrician1
9594		Rig out drive station and gearbox	2 hrs	Mon 08/05/23 07:00	Mon 08/05/23 09:00	9593	M-Crane 7Ton,G Moeseraela,T Moloi,B
9595		Clean and transport to workshop	1 hr	Mon 08/05/23 09:00	Mon 08/05/23 10:00	9594	Crane lorry,G Moeseraela,T Moloi
9596		Mark all mating components	0.5 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:30	9595	Workshop B Thuso,L Nakedi,S Tlou
9597		Strip drive station	4 hrs	Mon 08/05/23 10:30	Mon 08/05/23 15:00	9596	Workshop B Thuso,L Nakedi,S Tlou
9598		Remove old shaft from gearbox	6 hrs	Mon 08/05/23 15:00	Tue 09/05/23 10:00	9597	Workshop B Thuso,L Nakedi,S Tlou
9599		Clean gearbox and install new shaft	4 hrs	Tue 09/05/23 10:00	Tue 09/05/23 14:30	9598	Workshop B Thuso,L Nakedi,S Tlou
9600		Assemble drive station	4 hrs	Tue 09/05/23 14:30	Wed 10/05/23 07:30	9599	Workshop B Thuso,L Nakedi,S Tlou
9601		Install new bearings and mount	2.5 hrs	Wed 10/05/23 07:30	Wed 10/05/23 10:00	9600	Workshop B Thuso,L Nakedi,S Tlou
9602		Carry out quality checks	0.25 hrs	Wed 10/05/23 10:00	Wed 10/05/23 10:15	9601	Workshop B Thuso,L Nakedi,S Tlou
9603		Transport to the plant	0.5 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:45	9602	Crane lorry,G Moeseraela,T Moloi
9604		Rig in drive station	2 hrs	Wed 10/05/23 10:45	Wed 10/05/23 13:15	9603	B Thuso,L Nakedi,S Tlou
9605		Install and tighten drive station mounting bolts	1.5 hrs	Wed 10/05/23 13:15	Wed 10/05/23 14:45	9604	B Thuso,L Nakedi,S Tlou
9606		Join drag chain around drive sprocket	0.5 hrs	Wed 10/05/23 14:45	Wed 10/05/23 15:15	9605	B Thuso,L Nakedi,S Tlou
9607		Install motor	1 hr	Wed 10/05/23 15:15	Wed 10/05/23 16:15	9606	M-Crane 7Ton,G Moeseraela,T Moloi,B
9608		Connect motor	1 hr	Wed 10/05/23 16:15	Wed 10/05/23 17:15	9607	L Majoo,Electrician1
9609		Confirm drive direction	0.25 hrs	Wed 10/05/23 17:15	Wed 10/05/23 17:30	9608	B Thuso,L Nakedi,S Tlou,L Majoo,Electri
9610		Isolate drive	0.25 hrs	Wed 10/05/23 17:30	Wed 10/05/23 17:45	9609	L Majoo,Electrician1
9611		Replace vee belts (SPB 1900) and align	1.5 hrs	Wed 10/05/23 17:45	Thu 11/05/23 08:15	9610	B Thuso,L Nakedi,S Tlou
9612		Install drive guard	1.5 hrs	Thu 11/05/23 08:15	Thu 11/05/23 09:45	9611	B Thuso,L Nakedi,S Tlou
9613		Refill gearbox oil	0.5 hrs	Thu 11/05/23 09:45	Thu 11/05/23 10:15	9612	B Thuso,L Nakedi,S Tlou
9614		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:45	9613	B Thuso,L Nakedi,S Tlou
9615		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Thu 11/05/23 10:45	Thu 11/05/23 11:15	9614	B Thuso,L Nakedi,S Tlou
9616		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Thu 11/05/23 11:15	Thu 11/05/23 11:45	9615	B Thuso,L Nakedi,S Tlou
9617		Tension The Drag Chain	0.5 hrs	Thu 11/05/23 11:45	Thu 11/05/23 12:45	9616	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9618		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	6 hrs	Thu 11/05/23 12:45	Fri 12/05/23 07:45	9617	B Thuso,L Nakedi,S Tlou
9619		Apply Sealant And Close The Top Covers	1 hr	Fri 12/05/23 07:45	Fri 12/05/23 08:45	9618	B Thuso,L Nakedi,S Tlou
9620		Open Plummer Blocks And Clean Old Grease	1 hr	Fri 12/05/23 08:45	Fri 12/05/23 09:45	9619	B Thuso,L Nakedi,S Tlou
9621		Inspect The Bearings And Pack With New Grease Or Change If Necessary	2 hrs	Fri 12/05/23 09:45	Fri 12/05/23 11:45	9620	B Thuso,L Nakedi,S Tlou
9622		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:45	9621	B Thuso,L Nakedi,S Tlou
9623		Tension To The Correct Force And Deflection	0.5 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:15	9622	B Thuso,L Nakedi,S Tlou
9624		Replace Guard And Secure	0.5 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:45	9623	B Thuso,L Nakedi,S Tlou
9625		Carry Out Housekeeping	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	9624	B Thuso,L Nakedi,S Tlou
9626		Clear Permit	0.25 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:15	9625	Operations,B Thuso,L Nakedi,S Tlou
9627	**29C2GU02**	**# B LUBRICATION UNIT - Service Lubrication Unit And Repair Oil Leaks**	**21.75 hrs**	**Fri 12/05/23 14:15**	**Sun 14/05/23 15:00**	**9581**	
9628		Make out permit	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30		Operations
9629		Accept permit	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45	9628	B Thuso,L Nakedi,S Tlou
9630		Carry out risk assement	0.25 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:00	9629	B Thuso,L Nakedi,S Tlou
9631		Disconnect motor	1 hr	Fri 12/05/23 15:00	Fri 12/05/23 16:00	9630	B Thuso,L Nakedi,S Tlou
9632		Rig out motor	0.5 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:30	9631	G Moeseraela,T Moloi,K Gabantogele,B
9633		Drain oil	2.5 hrs	Fri 12/05/23 16:30	Sat 13/05/23 08:00	9632	B Thuso,L Nakedi,S Tlou
9634		Disconnect discharge pipe	1.5 hrs	Sat 13/05/23 08:00	Sat 13/05/23 09:30	9633	B Thuso,L Nakedi,S Tlou
9635		Open top cover	0.5 hrs	Sat 13/05/23 09:30	Sat 13/05/23 10:00	9634	B Thuso,L Nakedi,S Tlou
9636		Clean tank	3 hrs	Sat 13/05/23 10:00	Sat 13/05/23 13:30	9635	B Thuso,L Nakedi,S Tlou
9637		Change lube oil pump	3 hrs	Sat 13/05/23 13:30	Sat 13/05/23 16:30	9636	B Thuso,L Nakedi,S Tlou
9638		Box up	1 hr	Sat 13/05/23 16:30	Sat 13/05/23 17:30	9637	B Thuso,L Nakedi,S Tlou
9639		Mount motor	0.5 hrs	Sat 13/05/23 17:30	Sat 13/05/23 18:00	9638	B Thuso,L Nakedi,S Tlou
9640		Connect motor	1 hr	Sun 14/05/23 07:00	Sun 14/05/23 08:00	9639	B Thuso,L Nakedi,S Tlou
9641		Fill oil	1.5 hrs	Sun 14/05/23 08:00	Sun 14/05/23 09:30	9640	B Thuso,L Nakedi,S Tlou
9642		Check direction	0.25 hrs	Sun 14/05/23 09:30	Sun 14/05/23 09:45	9641	B Thuso,L Nakedi,S Tlou
9643		Flash system	2 hrs	Sun 14/05/23 09:45	Sun 14/05/23 11:45	9642	B Thuso,L Nakedi,S Tlou
9644		Re clean sytem and top up oil	2 hrs	Sun 14/05/23 11:45	Sun 14/05/23 14:15	9643	B Thuso,L Nakedi,S Tlou
9645		house keeping	0.5 hrs	Sun 14/05/23 14:15	Sun 14/05/23 14:45	9644	B Thuso,L Nakedi,S Tlou
9646		Clear test run permit	0.25 hrs	Sun 14/05/23 14:45	Sun 14/05/23 15:00	9645	B Thuso,L Nakedi,S Tlou
9647	**29C2RF12**	**# B4 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.25 hrs**	**Mon 15/05/23 07:30**	**Tue 16/05/23 11:15**	**9491**	
9648		Make Out Permit	0.25 hrs	Mon 15/05/23 07:30	Mon 15/05/23 07:45		Operations
9649		Accept Permit	0.25 hrs	Mon 15/05/23 07:45	Mon 15/05/23 08:00	9648	B Thuso,L Nakedi,S Tlou
9650		Carry Out Risk Assesment	0.25 hrs	Mon 15/05/23 08:00	Mon 15/05/23 08:15	9649	B Thuso,L Nakedi,S Tlou
9651		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Mon 15/05/23 08:15	Mon 15/05/23 08:45	9650	B Thuso,L Nakedi,S Tlou
9652		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Mon 15/05/23 08:45	Mon 15/05/23 09:15	9651	B Thuso,L Nakedi,S Tlou
9653		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Mon 15/05/23 09:15	Mon 15/05/23 09:45	9652	B Thuso,L Nakedi,S Tlou
9654		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Mon 15/05/23 09:45	Mon 15/05/23 10:00	9653	B Thuso,L Nakedi,S Tlou
9655		Slack The Chain	0.5 hrs	Mon 15/05/23 10:00	Mon 15/05/23 10:30	9654	B Thuso,L Nakedi,S Tlou
9656		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Mon 15/05/23 10:30	Mon 15/05/23 11:00	9655	B Thuso,L Nakedi,S Tlou
9657		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Mon 15/05/23 11:00	Mon 15/05/23 11:30	9656	B Thuso,L Nakedi,S Tlou
9658		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Mon 15/05/23 11:30	Mon 15/05/23 12:00	9657	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9659		Tension The Drag Chain	0.5 hrs	Mon 15/05/23 12:30	Mon 15/05/23 13:00	9658	B Thuso,L Nakedi,S Tlou
9660		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Mon 15/05/23 13:00	Mon 15/05/23 16:15	9659	B Thuso,L Nakedi,S Tlou
9661		Apply Sealant And Close The Top Covers	1 hr	Mon 15/05/23 16:15	Mon 15/05/23 17:15	9660	B Thuso,L Nakedi,S Tlou
9662		Open Plummer Blocks And Clean Old Grease	1 hr	Mon 15/05/23 17:15	Tue 16/05/23 07:15	9661	B Thuso,L Nakedi,S Tlou
9663		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Tue 16/05/23 07:15	Tue 16/05/23 08:15	9662	B Thuso,L Nakedi,S Tlou
9664		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Tue 16/05/23 08:15	Tue 16/05/23 08:45	9663	B Thuso,L Nakedi,S Tlou
9665		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Tue 16/05/23 08:45	Tue 16/05/23 09:45	9664	B Thuso,L Nakedi,S Tlou
9666		Tension To The Correct Force And Deflection	0.5 hrs	Tue 16/05/23 09:45	Tue 16/05/23 10:15	9665	B Thuso,L Nakedi,S Tlou
9667		Replace Guard And Secure	0.5 hrs	Tue 16/05/23 10:15	Tue 16/05/23 10:45	9666	B Thuso,L Nakedi,S Tlou
9668		Carry Out Housekeeping	0.25 hrs	Tue 16/05/23 10:45	Tue 16/05/23 11:00	9667	B Thuso,L Nakedi,S Tlou
9669		Clear Permit	0.25 hrs	Tue 16/05/23 11:00	Tue 16/05/23 11:15	9668	Operations
9670	**29C2RF13**	**# B5 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.25 hrs**	**Tue 16/05/23 11:15**	**Wed 17/05/23 15:30**	**9647**	
9671		Make Out Permit	0.25 hrs	Tue 16/05/23 11:15	Tue 16/05/23 11:30		Operations
9672		Accept Permit	0.25 hrs	Tue 16/05/23 11:30	Tue 16/05/23 11:45	9671	B Thuso,L Nakedi,S Tlou
9673		Carry Out Risk Assesment	0.25 hrs	Tue 16/05/23 11:45	Tue 16/05/23 12:00	9672	B Thuso,L Nakedi,S Tlou
9674		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Tue 16/05/23 12:30	Tue 16/05/23 13:00	9673	B Thuso,L Nakedi,S Tlou
9675		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Tue 16/05/23 13:00	Tue 16/05/23 13:30	9674	B Thuso,L Nakedi,S Tlou
9676		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Tue 16/05/23 13:30	Tue 16/05/23 14:00	9675	B Thuso,L Nakedi,S Tlou
9677		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Tue 16/05/23 14:00	Tue 16/05/23 14:15	9676	B Thuso,L Nakedi,S Tlou
9678		Slack The Chain	0.5 hrs	Tue 16/05/23 14:15	Tue 16/05/23 14:45	9677	B Thuso,L Nakedi,S Tlou
9679		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Tue 16/05/23 14:45	Tue 16/05/23 15:15	9678	B Thuso,L Nakedi,S Tlou
9680		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Tue 16/05/23 15:15	Tue 16/05/23 15:45	9679	B Thuso,L Nakedi,S Tlou
9681		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Tue 16/05/23 15:45	Tue 16/05/23 16:15	9680	B Thuso,L Nakedi,S Tlou
9682		Tension The Drag Chain	0.5 hrs	Tue 16/05/23 16:15	Tue 16/05/23 16:45	9681	B Thuso,L Nakedi,S Tlou
9683		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Tue 16/05/23 16:45	Wed 17/05/23 09:00	9682	B Thuso,L Nakedi,S Tlou
9684		Apply Sealant And Close The Top Covers	1 hr	Wed 17/05/23 09:00	Wed 17/05/23 10:00	9683	B Thuso,L Nakedi,S Tlou
9685		Open Plummer Blocks And Clean Old Grease	1 hr	Wed 17/05/23 10:00	Wed 17/05/23 11:00	9684	B Thuso,L Nakedi,S Tlou
9686		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Wed 17/05/23 11:00	Wed 17/05/23 12:00	9685	B Thuso,L Nakedi,S Tlou
9687		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Wed 17/05/23 12:30	Wed 17/05/23 13:00	9686	B Thuso,L Nakedi,S Tlou
9688		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Wed 17/05/23 13:00	Wed 17/05/23 14:00	9687	B Thuso,L Nakedi,S Tlou
9689		Tension To The Correct Force And Deflection	0.5 hrs	Wed 17/05/23 14:00	Wed 17/05/23 14:30	9688	B Thuso,L Nakedi,S Tlou
9690		Replace Guard And Secure	0.5 hrs	Wed 17/05/23 14:30	Wed 17/05/23 15:00	9689	B Thuso,L Nakedi,S Tlou
9691		Carry Out Housekeeping	0.25 hrs	Wed 17/05/23 15:00	Wed 17/05/23 15:15	9690	B Thuso,L Nakedi,S Tlou
9692		Clear Permit	0.25 hrs	Wed 17/05/23 15:15	Wed 17/05/23 15:30	9691	Operations
9693	**29C2RH07**	**# B3 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts Etc)**	**22.25 hrs**	**Sun 07/05/23 07:45**	**Tue 09/05/23 09:00**	**9566**	
9694		Make Out Permit	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00		Operations
9695		Accept Permit	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15	9694	B Thuso,L Nakedi,S Tlou
9696		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30	9695	B Thuso,L Nakedi,S Tlou
9697		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Sun 07/05/23 08:30	Sun 07/05/23 15:00	9696	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9698		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Sun 07/05/23 15:00	Mon 08/05/23 09:30	9697	B Thuso,L Nakedi,S Tlou
9699		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Mon 08/05/23 09:30	Mon 08/05/23 11:30	9698	B Thuso,L Nakedi,S Tlou
9700		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Mon 08/05/23 11:30	Mon 08/05/23 14:00	9699	B Thuso,L Nakedi,S Tlou
9701		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Mon 08/05/23 14:00	Mon 08/05/23 16:00	9700	B Thuso,L Nakedi,S Tlou
9702		Check For Cracks On The Tray And Repair Accordinly	1 hr	Mon 08/05/23 16:00	Mon 08/05/23 17:00	9701	B Thuso,L Nakedi,S Tlou
9703		Loosen And Remove The Back Cover For The Coil	1 hr	Mon 08/05/23 17:00	Mon 08/05/23 18:00	9702	B Thuso,L Nakedi,S Tlou
9704		Check The Springs For The Coil And Replace If Necessary	1 hr	Tue 09/05/23 07:00	Tue 09/05/23 08:00	9703	B Thuso,L Nakedi,S Tlou
9705		Replace The Back Cover And Secure	0.5 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:30	9704	B Thuso,L Nakedi,S Tlou
9706		Carry Out House Keeping	0.25 hrs	Tue 09/05/23 08:30	Tue 09/05/23 08:45	9705	B Thuso,L Nakedi,S Tlou
9707		Clear Permit	0.25 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:00	9706	Operations
9708	**29C2RF15**	**# B7 CHAIN CONVEYOR - Thorough Inspection And Replace tail sprocket shaft**	**34.75 hrs**	**Wed 17/05/23 15:30**	**Sun 21/05/23 07:45**	**9670**	
9709		Make Out Permit	0.25 hrs	Wed 17/05/23 15:30	Wed 17/05/23 15:45		Operations
9710		Accept Permit	0.25 hrs	Wed 17/05/23 15:45	Wed 17/05/23 16:00	9709	B Thuso,L Nakedi,S Tlou
9711		Carry Out Risk Assesment	0.25 hrs	Wed 17/05/23 16:00	Wed 17/05/23 16:15	9710	B Thuso,L Nakedi,S Tlou
9712		Loosen And Remove Top Covers To Access Chain Links	1.5 hrs	Wed 17/05/23 16:15	Wed 17/05/23 17:45	9711	B Thuso,L Nakedi,S Tlou
9713		Loosen tail end station	1.5 hrs	Wed 17/05/23 17:45	Thu 18/05/23 08:15	9712	B Thuso,L Nakedi,S Tlou
9714		Break the drag chain to access tail end station	1.5 hrs	Thu 18/05/23 08:15	Thu 18/05/23 09:45	9713	B Thuso,L Nakedi,S Tlou
9715		Rig out tail station	2 hrs	Thu 18/05/23 09:45	Thu 18/05/23 11:45	9714	O/H crane,G Moeseraela,T Moloi
9716		Transport to the workshop	0.5 hrs	Thu 18/05/23 11:45	Thu 18/05/23 12:45	9715	Crane lorry,G Moeseraela,T Moloi
9717		Mark mating components	0.5 hrs	Thu 18/05/23 12:45	Thu 18/05/23 13:15	9716	B Thuso,L Nakedi,S Tlou
9718		Strip tail	2 hrs	Thu 18/05/23 13:15	Thu 18/05/23 15:15	9717	B Thuso,L Nakedi,S Tlou
9719		Remove sprocket from old shaft	1.5 hrs	Thu 18/05/23 15:15	Thu 18/05/23 16:45	9718	B Thuso,L Nakedi,S Tlou
9720		Install sprocket on new shaft	1.5 hrs	Thu 18/05/23 16:45	Fri 19/05/23 07:15	9719	B Thuso,L Nakedi,S Tlou
9721		Assemble tail end station	2 hrs	Fri 19/05/23 07:15	Fri 19/05/23 09:15	9720	B Thuso,L Nakedi,S Tlou
9722		Install new bearings and dust seals	1.5 hrs	Fri 19/05/23 09:15	Fri 19/05/23 10:45	9721	B Thuso,L Nakedi,S Tlou
9723		Carry out quality checks	0.5 hrs	Fri 19/05/23 10:45	Fri 19/05/23 11:15	9722	B Thuso,L Nakedi,S Tlou
9724		Transport to the plant	0.5 hrs	Fri 19/05/23 11:15	Fri 19/05/23 11:45	9723	Crane lorry,G Moeseraela,T Moloi
9725		Rig in tail end station	1.5 hrs	Fri 19/05/23 11:45	Fri 19/05/23 13:45	9724	O/H crane,G Moeseraela,T Moloi
9726		Install tail end station mounting bolts and tighten	2 hrs	Fri 19/05/23 13:45	Fri 19/05/23 15:45	9725	B Thuso,L Nakedi,S Tlou
9727		Join the drag chain	0.5 hrs	Fri 19/05/23 15:45	Fri 19/05/23 16:15	9726	B Thuso,L Nakedi,S Tlou
9728		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Fri 19/05/23 16:15	Fri 19/05/23 16:45	9727	B Thuso,L Nakedi,S Tlou
9729		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Fri 19/05/23 16:45	Fri 19/05/23 17:15	9728	B Thuso,L Nakedi,S Tlou
9730		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Fri 19/05/23 17:15	Fri 19/05/23 17:45	9729	B Thuso,L Nakedi,S Tlou
9731		Tension The Drag Chain	0.5 hrs	Fri 19/05/23 17:45	Sat 20/05/23 07:15	9730	B Thuso,L Nakedi,S Tlou
9732		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	5 hrs	Sat 20/05/23 07:15	Sat 20/05/23 12:45	9731	B Thuso,L Nakedi,S Tlou
9733		Apply Sealant And Close The Top Covers	1 hr	Sat 20/05/23 12:45	Sat 20/05/23 13:45	9732	B Thuso,L Nakedi,S Tlou
9734		Open Plummer Blocks And Clean Old Grease	1 hr	Sat 20/05/23 13:45	Sat 20/05/23 14:45	9733	B Thuso,L Nakedi,S Tlou
9735		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sat 20/05/23 14:45	Sat 20/05/23 15:45	9734	B Thuso,L Nakedi,S Tlou
9736		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 20/05/23 15:45	Sat 20/05/23 16:15	9735	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9737		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Sat 20/05/23 16:15	Sat 20/05/23 17:15	9736	B Thuso,L Nakedi,S Tlou
9738		Tension To The Correct Force And Deflection	0.5 hrs	Sat 20/05/23 17:15	Sat 20/05/23 17:45	9737	B Thuso,L Nakedi,S Tlou
9739		Replace Guard And Secure	0.5 hrs	Sat 20/05/23 17:45	Sun 21/05/23 07:15	9738	B Thuso,L Nakedi,S Tlou
9740		Carry Out Housekeeping	0.25 hrs	Sun 21/05/23 07:15	Sun 21/05/23 07:30	9739	B Thuso,L Nakedi,S Tlou
9741		Clear Permit	0.25 hrs	Sun 21/05/23 07:30	Sun 21/05/23 07:45	9740	B Thuso,L Nakedi,S Tlou
9742	**29C2RH08**	**# B4 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts Etc)**	**22.25 hrs**	**Tue 09/05/23 09:00**	**Thu 11/05/23 10:15**	**9693**	
9743		Make Out Permit	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15		Operations
9744		Accept Permit	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30	9743	B Thuso,L Nakedi,S Tlou
9745		Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 09:30	Tue 09/05/23 09:45	9744	B Thuso,L Nakedi,S Tlou
9746		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Tue 09/05/23 09:45	Tue 09/05/23 16:15	9745	B Thuso,L Nakedi,S Tlou
9747		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Tue 09/05/23 16:15	Wed 10/05/23 10:45	9746	B Thuso,L Nakedi,S Tlou
9748		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Wed 10/05/23 10:45	Wed 10/05/23 13:15	9747	B Thuso,L Nakedi,S Tlou
9749		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Wed 10/05/23 13:15	Wed 10/05/23 15:15	9748	B Thuso,L Nakedi,S Tlou
9750		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Wed 10/05/23 15:15	Wed 10/05/23 17:15	9749	B Thuso,L Nakedi,S Tlou
9751		Check For Cracks On The Tray And Repair Accordinly	1 hr	Wed 10/05/23 17:15	Thu 11/05/23 07:15	9750	B Thuso,L Nakedi,S Tlou
9752		Loosen And Remove The Back Cover For The Coil	1 hr	Thu 11/05/23 07:15	Thu 11/05/23 08:15	9751	B Thuso,L Nakedi,S Tlou
9753		Check The Springs For The Coil And Replace If Necessary	1 hr	Thu 11/05/23 08:15	Thu 11/05/23 09:15	9752	B Thuso,L Nakedi,S Tlou
9754		Replace The Back Cover And Secure	0.5 hrs	Thu 11/05/23 09:15	Thu 11/05/23 09:45	9753	B Thuso,L Nakedi,S Tlou
9755		Carry Out House Keeping	0.25 hrs	Thu 11/05/23 09:45	Thu 11/05/23 10:00	9754	B Thuso,L Nakedi,S Tlou
9756		Clear Permit	0.25 hrs	Thu 11/05/23 10:00	Thu 11/05/23 10:15	9755	Operations
9757	**29C2PF02**	**# B HYDRAULIC UNIT - Service Lubrication Unit And Repair Oil Leaks**	**14.25 hrs**	**Sun 14/05/23 15:00**	**Tue 16/05/23 07:45**	**9627**	
9758		Make out permit	0.25 hrs	Sun 14/05/23 15:00	Sun 14/05/23 15:15		Operations
9759		Accept permit	0.25 hrs	Sun 14/05/23 15:15	Sun 14/05/23 15:30	9758	B Thuso,L Nakedi,S Tlou
9760		Carry out risk assement	0.25 hrs	Sun 14/05/23 15:30	Sun 14/05/23 15:45	9759	B Thuso,L Nakedi,S Tlou
9761		Disconnect motors	1 hr	Sun 14/05/23 15:45	Sun 14/05/23 16:45	9760	B Thuso,L Nakedi,S Tlou
9762		Rig out motors	0.5 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:15	9761	G Moeseraela,T Moloi,K Gabantogele,B
9763		Drain oil	1.5 hrs	Sun 14/05/23 17:15	Mon 15/05/23 07:45	9762	B Thuso,L Nakedi,S Tlou
9764		Disconnect discharge pipe	1 hr	Mon 15/05/23 07:45	Mon 15/05/23 08:45	9763	B Thuso,L Nakedi,S Tlou
9765		Open top cover	0.5 hrs	Mon 15/05/23 08:45	Mon 15/05/23 09:15	9764	B Thuso,L Nakedi,S Tlou
9766		Clean tank	2 hrs	Mon 15/05/23 09:15	Mon 15/05/23 11:15	9765	B Thuso,L Nakedi,S Tlou
9767		Change hydraulic pumps	1.5 hrs	Mon 15/05/23 11:15	Mon 15/05/23 13:15	9766	B Thuso,L Nakedi,S Tlou
9768		Box up	1 hr	Mon 15/05/23 13:15	Mon 15/05/23 14:15	9767	B Thuso,L Nakedi,S Tlou
9769		Mount motors	1 hr	Mon 15/05/23 14:15	Mon 15/05/23 15:15	9768	B Thuso,L Nakedi,S Tlou
9770		Connect motors	1 hr	Mon 15/05/23 15:15	Mon 15/05/23 16:15	9769	B Thuso,L Nakedi,S Tlou
9771		Fill oil	1.5 hrs	Mon 15/05/23 16:15	Mon 15/05/23 17:45	9770	B Thuso,L Nakedi,S Tlou
9772		house keeping	0.25 hrs	Mon 15/05/23 17:45	Mon 15/05/23 18:00	9771	B Thuso,L Nakedi,S Tlou
9773		Check direction	0.25 hrs	Tue 16/05/23 07:00	Tue 16/05/23 07:15	9772	B Thuso,L Nakedi,S Tlou
9774		Clear permit	0.25 hrs	Tue 16/05/23 07:15	Tue 16/05/23 07:30	9773	B Thuso,L Nakedi,S Tlou
9775		Clear test run permit	0.25 hrs	Tue 16/05/23 07:30	Tue 16/05/23 07:45	9774	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9776	**29C2RM02**	**# B2 STAR FEEDER - Carry Out Inspection And Service**	**39.25 hrs**	**Tue 16/05/23 07:45**	**Fri 19/05/23 16:00**	**9757**	
9777		Prepare star feeder blades prior	0 hrs	Tue 16/05/23 07:45	Tue 16/05/23 07:45		
9778		Make Out Permit	0.25 hrs	Tue 16/05/23 07:45	Tue 16/05/23 08:00	9777	Operations
9779		Accept Permit	0.25 hrs	Tue 16/05/23 08:00	Tue 16/05/23 08:15	9778	B Thuso,L Nakedi,S Tlou
9780		Carry Out Risk Assesment	0.25 hrs	Tue 16/05/23 08:15	Tue 16/05/23 08:30	9779	B Thuso,L Nakedi,S Tlou
9781		Loosen star feeder mounting bolts	1 hr	Tue 16/05/23 08:30	Tue 16/05/23 09:30	9780	B Thuso,L Nakedi,S Tlou
9782		Remove all bolts and swing star feeder	3 hrs	Tue 16/05/23 09:30	Tue 16/05/23 13:00	9781	G Moeseraela,T Moloi,B Thuso,L Naked
9783		Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Tue 16/05/23 13:00	Tue 16/05/23 13:30	9782	B Thuso,L Nakedi,S Tlou
9784		Stop And swing back star feeder	1 hr	Tue 16/05/23 13:30	Tue 16/05/23 14:30	9783	B Thuso,L Nakedi,S Tlou
9785		Install and tighten mounting bolts	2 hrs	Tue 16/05/23 14:30	Tue 16/05/23 16:30	9784	B Thuso,L Nakedi,S Tlou
9786		Sign Off Permit If Everything Is In Order.	0.25 hrs	Tue 16/05/23 16:30	Tue 16/05/23 16:45	9785	B Thuso,L Nakedi,S Tlou
9787		If There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Tue 16/05/23 16:45	Tue 16/05/23 17:00	9786	B Thuso,L Nakedi,S Tlou
9788		Loosen And Remove Guards	0.5 hrs	Tue 16/05/23 17:00	Tue 16/05/23 17:30	9787	B Thuso,L Nakedi,S Tlou
9789		Disconnect geared unit	1 hr	Tue 16/05/23 17:30	Wed 17/05/23 07:30	9788	L Majoo,Electrician1
9790		Remove the drive chain	1 hr	Wed 17/05/23 07:30	Wed 17/05/23 08:30	9789	B Thuso,L Nakedi,S Tlou
9791		Support geared unit and remove mounting bolts	1.5 hrs	Wed 17/05/23 08:30	Wed 17/05/23 10:00	9790	O/H crane,G Moeseraela,T Moloi
9792		Rig out geared unit	1.5 hrs	Wed 17/05/23 10:00	Wed 17/05/23 11:30	9791	O/H crane,G Moeseraela,T Moloi
9793		Support star feeder	0.5 hrs	Wed 17/05/23 11:30	Wed 17/05/23 12:00	9792	O/H crane,G Moeseraela,T Moloi
9794		Rig out start feeder completely	1 hr	Wed 17/05/23 12:30	Wed 17/05/23 13:30	9793	O/H crane,G Moeseraela,T Moloi
9795		Clean star feeder and transport to workshop	0.5 hrs	Wed 17/05/23 13:30	Wed 17/05/23 14:00	9794	Crane lorry,G Moeseraela,T Moloi
9796		Mark all the mating components	0.5 hrs	Wed 17/05/23 14:00	Wed 17/05/23 14:30	9795	B Thuso,L Nakedi,S Tlou
9797		Strip star feeder	5 hrs	Wed 17/05/23 14:30	Thu 18/05/23 08:30	9796	B Thuso,L Nakedi,S Tlou
9798		Inspect and measure all the components	1.5 hrs	Thu 18/05/23 08:30	Thu 18/05/23 10:00	9797	B Thuso,L Nakedi,S Tlou
9799		Assemble star feeder	6 hrs	Thu 18/05/23 10:00	Thu 18/05/23 16:30	9798	B Thuso,L Nakedi,S Tlou
9800		Carry out quality checks	0.5 hrs	Thu 18/05/23 16:30	Thu 18/05/23 17:00	9799	B Thuso,L Nakedi,S Tlou
9801		Transport to plant	0.5 hrs	Thu 18/05/23 17:00	Thu 18/05/23 17:30	9800	Crane lorry,G Moeseraela,T Moloi
9802		Rig star feeder into place and mount	2.5 hrs	Thu 18/05/23 17:30	Fri 19/05/23 09:00	9801	O/H crane,G Moeseraela,T Moloi
9803		Install geared unit	1 hr	Fri 19/05/23 09:00	Fri 19/05/23 10:00	9802	B Thuso,L Nakedi,S Tlou
9804		Install drive chain	1 hr	Fri 19/05/23 10:00	Fri 19/05/23 11:00	9803	B Thuso,L Nakedi,S Tlou
9805		Install guards	1 hr	Fri 19/05/23 11:00	Fri 19/05/23 12:00	9804	B Thuso,L Nakedi,S Tlou
9806		Connect geared unit and verify direction	0.5 hrs	Fri 19/05/23 12:30	Fri 19/05/23 13:00	9805	B Thuso,L Nakedi,S Tlou
9807		Box up	2 hrs	Fri 19/05/23 13:00	Fri 19/05/23 15:00	9806	B Thuso,L Nakedi,S Tlou
9808		Lubricate drive chain	0.25 hrs	Fri 19/05/23 15:00	Fri 19/05/23 15:15	9807	B Thuso,L Nakedi,S Tlou
9809		Carry Out House Keeping	0.5 hrs	Fri 19/05/23 15:15	Fri 19/05/23 15:45	9808	B Thuso,L Nakedi,S Tlou
9810		Clear The Permit	0.25 hrs	Fri 19/05/23 15:45	Fri 19/05/23 16:00	9809	B Thuso,L Nakedi,S Tlou
9811	**29C2GB01**	**# B EXHAUST FAN - Carry Out Inspection And Replace V Belts**	**12.25 hrs**	**Thu 11/05/23 10:15**	**Fri 12/05/23 12:00**	**9742**	
9812		Make Out Permit	0.25 hrs	Thu 11/05/23 10:15	Thu 11/05/23 10:30		Operations
9813		Accept Permit	0.25 hrs	Thu 11/05/23 10:30	Thu 11/05/23 10:45	9812	B Thuso,L Nakedi,S Tlou
9814		Clean The Impeller	0.5 hrs	Thu 11/05/23 10:45	Thu 11/05/23 11:15	9813	Operations
9815		Inspect Bearing And Grease	6 hrs	Thu 11/05/23 11:15	Thu 11/05/23 17:45	9814	B Thuso,L Nakedi,S Tlou
9816		Inspect V-Belt And Pulley, Change If Necessary	2 hrs	Thu 11/05/23 17:45	Fri 12/05/23 08:45	9815	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9817		Carry Out Laser Alignment	1 hr	Fri 12/05/23 08:45	Fri 12/05/23 09:45	9816	B Thuso,L Nakedi,S Tlou
9818		Box Up	2 hrs	Fri 12/05/23 09:45	Fri 12/05/23 11:45	9817	B Thuso,L Nakedi,S Tlou
9819		Clear Permit	0.25 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:00	9818	B Thuso,L Nakedi,S Tlou
9820	**29C2RF09**	**# B1 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14 hrs**	**Thu 04/05/23 22:45**	**Sat 06/05/23 10:30**		
9821		Make Out Permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
9822		Accept Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	9821	B Thuso,L Nakedi,S Tlou
9823		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	9822	B Thuso,L Nakedi,S Tlou
9824		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	9823	B Thuso,L Nakedi,S Tlou
9825		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:30	9824	B Thuso,L Nakedi,S Tlou
9826		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	9825	B Thuso,L Nakedi,S Tlou
9827		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	9826	B Thuso,L Nakedi,S Tlou
9828		Slack The Chain	0.5 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:45	9827	B Thuso,L Nakedi,S Tlou
9829		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:15	9828	B Thuso,L Nakedi,S Tlou
9830		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:45	9829	B Thuso,L Nakedi,S Tlou
9831		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:15	9830	B Thuso,L Nakedi,S Tlou
9832		Tension The Drag Chain	0.5 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:45	9831	B Thuso,L Nakedi,S Tlou
9833		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Fri 05/05/23 11:45	Fri 05/05/23 15:30	9832	B Thuso,L Nakedi,S Tlou
9834		Apply Sealant And Close The Top Covers	1 hr	Fri 05/05/23 15:30	Fri 05/05/23 16:30	9833	B Thuso,L Nakedi,S Tlou
9835		Open Plummer Blocks And Clean Old Grease	1 hr	Fri 05/05/23 16:30	Fri 05/05/23 17:30	9834	B Thuso,L Nakedi,S Tlou
9836		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Fri 05/05/23 17:30	Sat 06/05/23 07:30	9835	B Thuso,L Nakedi,S Tlou
9837		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 06/05/23 07:30	Sat 06/05/23 08:00	9836	B Thuso,L Nakedi,S Tlou
9838		Inspect sprockets and drive chain	1 hr	Sat 06/05/23 08:00	Sat 06/05/23 09:00	9837	B Thuso,L Nakedi,S Tlou
9839		Tension drive chain To The Correct Force And Deflection	0.5 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:30	9838	B Thuso,L Nakedi,S Tlou
9840		Replace Guard And Secure	0.5 hrs	Sat 06/05/23 09:30	Sat 06/05/23 10:00	9839	B Thuso,L Nakedi,S Tlou
9841		Carry Out Housekeeping	0.25 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:15	9840	B Thuso,L Nakedi,S Tlou
9842		Clear Permit	0.25 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:30	9841	Operations
9843	**29C2RF11**	**# B3 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Sun 21/05/23 07:45**	**Mon 22/05/23 11:45**	**9708**	
9844		Erect scaffolding prior	0 hrs	Sun 21/05/23 07:45	Sun 21/05/23 07:45		RSC Scaffolding
9845		Make Out Permit	0.25 hrs	Sun 21/05/23 07:45	Sun 21/05/23 08:00	9844	Operations
9846		Accept Permit	0.25 hrs	Sun 21/05/23 08:00	Sun 21/05/23 08:15	9845	B Thuso,L Nakedi,S Tlou
9847		Carry Out Risk Assesment	0.25 hrs	Sun 21/05/23 08:15	Sun 21/05/23 08:30	9846	B Thuso,L Nakedi,S Tlou
9848		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Sun 21/05/23 08:30	Sun 21/05/23 09:00	9847	B Thuso,L Nakedi,S Tlou
9849		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Sun 21/05/23 09:00	Sun 21/05/23 09:30	9848	B Thuso,L Nakedi,S Tlou
9850		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Sun 21/05/23 09:30	Sun 21/05/23 10:00	9849	B Thuso,L Nakedi,S Tlou
9851		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Sun 21/05/23 10:00	Sun 21/05/23 10:15	9850	B Thuso,L Nakedi,S Tlou
9852		Slack The Chain	0.5 hrs	Sun 21/05/23 10:15	Sun 21/05/23 10:45	9851	B Thuso,L Nakedi,S Tlou
9853		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sun 21/05/23 10:45	Sun 21/05/23 11:15	9852	B Thuso,L Nakedi,S Tlou
9854		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Sun 21/05/23 11:15	Sun 21/05/23 11:45	9853	B Thuso,L Nakedi,S Tlou
9855		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Sun 21/05/23 11:45	Sun 21/05/23 12:45	9854	B Thuso,L Nakedi,S Tlou
9856		Tension The Drag Chain	0.5 hrs	Sun 21/05/23 12:45	Sun 21/05/23 13:15	9855	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9857			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Sun 21/05/23 13:15	Sun 21/05/23 16:30	9856	B Thuso,L Nakedi,S Tlou
9858			Apply Sealant And Close The Top Covers	1 hr	Sun 21/05/23 16:30	Sun 21/05/23 17:30	9857	B Thuso,L Nakedi,S Tlou
9859			Open Plummer Blocks And Clean Old Grease	1 hr	Sun 21/05/23 17:30	Mon 22/05/23 07:30	9858	B Thuso,L Nakedi,S Tlou
9860			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Mon 22/05/23 07:30	Mon 22/05/23 08:30	9859	B Thuso,L Nakedi,S Tlou
9861			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Mon 22/05/23 08:30	Mon 22/05/23 09:00	9860	B Thuso,L Nakedi,S Tlou
9862			Slack The V Belts And Replace With New Spb 1900X3	1 hr	Mon 22/05/23 09:00	Mon 22/05/23 10:00	9861	B Thuso,L Nakedi,S Tlou
9863			Tension To The Correct Force And Deflection	0.5 hrs	Mon 22/05/23 10:00	Mon 22/05/23 10:30	9862	B Thuso,L Nakedi,S Tlou
9864			Replace Guard And Secure	0.5 hrs	Mon 22/05/23 10:30	Mon 22/05/23 11:00	9863	B Thuso,L Nakedi,S Tlou
9865			Carry Out Housekeeping	0.25 hrs	Mon 22/05/23 11:00	Mon 22/05/23 11:15	9864	B Thuso,L Nakedi,S Tlou
9866			Sign Off The Permit	0.25 hrs	Mon 22/05/23 11:15	Mon 22/05/23 11:30	9865	B Thuso,L Nakedi,S Tlou
9867			Clear Permit	0.25 hrs	Mon 22/05/23 11:30	Mon 22/05/23 11:45	9866	Operations
9868			Dismantle scaffolding	0 hrs	Mon 22/05/23 11:45	Mon 22/05/23 11:45	9867	RSC Scaffolding
9869		**29C2RF14**	**# B14 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14 hrs**	**Fri 12/05/23 12:00**	**Sat 13/05/23 16:00**	**9811**	
9870			Make Out Permit	0.25 hrs	Fri 12/05/23 12:00	Fri 12/05/23 12:15		Operations
9871			Accept Permit	0.25 hrs	Fri 12/05/23 12:30	Fri 12/05/23 12:45	9870	B Thuso,L Nakedi,S Tlou
9872			Carry Out Risk Assesment	0.25 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:00	9871	B Thuso,L Nakedi,S Tlou
9873			Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:30	9872	B Thuso,L Nakedi,S Tlou
9874			Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Fri 12/05/23 13:30	Fri 12/05/23 14:00	9873	B Thuso,L Nakedi,S Tlou
9875			Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:30	9874	B Thuso,L Nakedi,S Tlou
9876			Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45	9875	B Thuso,L Nakedi,S Tlou
9877			Slack The Chain	0.5 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:15	9876	B Thuso,L Nakedi,S Tlou
9878			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:45	9877	B Thuso,L Nakedi,S Tlou
9879			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:15	9878	B Thuso,L Nakedi,S Tlou
9880			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Fri 12/05/23 16:15	Fri 12/05/23 16:45	9879	B Thuso,L Nakedi,S Tlou
9881			Tension The Drag Chain	0.5 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:15	9880	B Thuso,L Nakedi,S Tlou
9882			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Fri 12/05/23 17:15	Sat 13/05/23 09:30	9881	B Thuso,L Nakedi,S Tlou
9883			Apply Sealant And Close The Top Covers	1 hr	Sat 13/05/23 09:30	Sat 13/05/23 10:30	9882	B Thuso,L Nakedi,S Tlou
9884			Open Plummer Blocks And Clean Old Grease	1 hr	Sat 13/05/23 10:30	Sat 13/05/23 11:30	9883	B Thuso,L Nakedi,S Tlou
9885			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sat 13/05/23 11:30	Sat 13/05/23 13:00	9884	B Thuso,L Nakedi,S Tlou
9886			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:30	9885	B Thuso,L Nakedi,S Tlou
9887			Slack The V Belts And Replace With New Spb 1900X3	1 hr	Sat 13/05/23 13:30	Sat 13/05/23 14:30	9886	B Thuso,L Nakedi,S Tlou
9888			Tension To The Correct Force And Deflection	0.5 hrs	Sat 13/05/23 14:30	Sat 13/05/23 15:00	9887	B Thuso,L Nakedi,S Tlou
9889			Replace Guard And Secure	0.5 hrs	Sat 13/05/23 15:00	Sat 13/05/23 15:30	9888	B Thuso,L Nakedi,S Tlou
9890			Carry Out Housekeeping	0.25 hrs	Sat 13/05/23 15:30	Sat 13/05/23 15:45	9889	B Thuso,L Nakedi,S Tlou
9891			Clear Permit	0.25 hrs	Sat 13/05/23 15:45	Sat 13/05/23 16:00	9890	Operations
9892		**29C2GF09**	**# B FLAKE CRUSHER - Carry Out Inspection And Service**	**8 hrs**	**Sat 06/05/23 10:30**	**Sun 07/05/23 08:00**	**9820**	
9893			Make Out Permit	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45		Operations
9894			Accept Permit	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	9893	B Thuso,L Nakedi,S Tlou
9895			Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	9894	B Thuso,L Nakedi,S Tlou
9896			Loosen Mouting Bolts For The Guards And Check The Condition Of Coupling	1 hr	Sat 06/05/23 11:15	Sat 06/05/23 12:45	9895	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9897		Inspect Labyrinth Seals For Wear And Damage	2.5 hrs	Sat 06/05/23 12:45	Sat 06/05/23 15:15	9896	B Thuso,L Nakedi,S Tlou
9898		Open The Plummer Blocks And Clean Old Grease	1.5 hrs	Sat 06/05/23 15:15	Sat 06/05/23 16:45	9897	B Thuso,L Nakedi,S Tlou
9899		Inspect Bearings And Repack With New Grease	1 hr	Sat 06/05/23 16:45	Sat 06/05/23 17:45	9898	B Thuso,L Nakedi,S Tlou
9900		Close The Plummer Blocks	1 hr	Sat 06/05/23 17:45	Sun 07/05/23 07:45	9899	B Thuso,L Nakedi,S Tlou
9901		Clear Permit	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	9900	B Thuso,L Nakedi,S Tlou
9902	**29C2GF10**	**# B PRE- CRUSHER - Overhaul crusher**	**46.75 hrs**	**Fri 05/05/23 07:00**	**Tue 09/05/23 11:45**		
9903		Make Out Permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		Operations
9904		Accept Permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	9903	B Thuso,L Nakedi,S Tlou
9905		Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	9904	B Thuso,L Nakedi,S Tlou
9906		Remove Guards	2 hrs	Fri 05/05/23 07:45	Fri 05/05/23 09:45	9905	B Thuso,L Nakedi,S Tlou
9907		Support all geared units and loosen all mounting bolts	3.5 hrs	Fri 05/05/23 09:45	Fri 05/05/23 13:45	9906	B Thuso,L Nakedi,S Tlou
9908		Disconnect all geared units	3 hrs	Fri 05/05/23 13:45	Fri 05/05/23 16:45	9907	B Thuso,L Nakedi,S Tlou
9909		Rig out all geared units	2 hrs	Fri 05/05/23 16:45	Sat 06/05/23 07:45	9908	O/H crane,G Moeseraela,T Moloi
9910		Loosen all chute bolts	2.5 hrs	Sat 06/05/23 07:45	Sat 06/05/23 10:15	9909	B Thuso,L Nakedi,S Tlou
9911		Rig out the chute	2.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 13:15	9910	O/H crane,G Moeseraela,T Moloi
9912		Loosen all crusher mounting bolts	0.25 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:30	9911	B Thuso,L Nakedi,S Tlou
9913		Rig out the crusher	2.5 hrs	Sat 06/05/23 13:30	Sat 06/05/23 16:00	9912	O/H crane,G Moeseraela,T Moloi
9914		Clean the crusher and transport to the workshop	1 hr	Sat 06/05/23 16:00	Sat 06/05/23 17:00	9913	Crane lorry,B Thuso,L Nakedi,S Tlou,G M
9915		Mark all the components prior to stripping	1 hr	Sat 06/05/23 17:00	Sat 06/05/23 18:00	9914	B Thuso,L Nakedi,S Tlou
9916		Strip the crusher	6 hrs	Sun 07/05/23 07:00	Sun 07/05/23 13:30	9915	B Thuso,L Nakedi,S Tlou
9917		Inspect all components and measure	1 hr	Sun 07/05/23 13:30	Sun 07/05/23 14:30	9916	B Thuso,L Nakedi,S Tlou
9918		Assemble the crusher	10 hrs	Sun 07/05/23 14:30	Mon 08/05/23 14:00	9917	B Thuso,L Nakedi,S Tlou
9919		Carry out quality check	0.5 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:30	9918	B Thuso,L Nakedi,S Tlou
9920		Transport to the plant	1 hr	Mon 08/05/23 15:30	Mon 08/05/23 16:30	9919,7837	Crane lorry,G Moeseraela,T Moloi
9921		Rig in the crusher and mount	2 hrs	Mon 08/05/23 16:30	Tue 09/05/23 07:30	9920	O/H crane,G Moeseraela,T Moloi
9922		Rig in the geared,couple and mount	1.5 hrs	Tue 09/05/23 07:30	Tue 09/05/23 09:00	9921	O/H crane,G Moeseraela,T Moloi
9923		Rig in the chute and install bolts	0.5 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:30	9922	O/H crane,G Moeseraela,T Moloi
9924		Seal all covers(Box up)	1 hr	Tue 09/05/23 09:30	Tue 09/05/23 10:30	9923	B Thuso,L Nakedi,S Tlou
9925		Carry out housekeeping	1 hr	Tue 09/05/23 10:30	Tue 09/05/23 11:30	9924	B Thuso,L Nakedi,S Tlou
9926		Clear Permit	0.25 hrs	Tue 09/05/23 11:30	Tue 09/05/23 11:45	9925	B Thuso,L Nakedi,S Tlou
9927		**ELECTRICAL**	**162.75 hrs**	**Thu 04/05/23 22:45**	**Sat 20/05/23 12:45**	**8951**	
9928	**29C2GK02M**	**B FEED HOPPER STIRRER EAST - Carry out maintenance on Ash Electrical components**	**7.5 hrs**	**Tue 16/05/23 11:15**	**Wed 17/05/23 08:15**	**3212**	
9929		Make out permit	0.25 hrs	Tue 16/05/23 11:15	Tue 16/05/23 11:30		Operations
9930		Accept permit	0.25 hrs	Tue 16/05/23 11:30	Tue 16/05/23 11:45	9929	L Majoo,Electrician1
9931		Carry out Ash Electrical isolation	0.25 hrs	Tue 16/05/23 11:45	Tue 16/05/23 12:00	9930	L Majoo,Electrician1
9932		Disconnect and remove motor and send for repairs	2 hrs	Tue 16/05/23 12:30	Tue 16/05/23 14:30	9931	B Thuso,L Nakedi,S Tlou,G Moeseraela,
9933		Check loose connections inside the panel	0.25 hrs	Tue 16/05/23 14:30	Tue 16/05/23 14:45	9932	L Majoo,Electrician1
9934		Service panel components, VSD & Clear dust	0.25 hrs	Tue 16/05/23 14:45	Tue 16/05/23 15:00	9933	L Majoo,Electrician1
9935		Service Field Isolator	0.5 hrs	Tue 16/05/23 15:00	Tue 16/05/23 15:30	9934	L Majoo,Electrician1
9936		Service Feed Hopper Vibrator Motor & panel	0.5 hrs	Tue 16/05/23 15:30	Tue 16/05/23 16:00	9935	L Majoo,Electrician1
9937		Inspect for possible Gear Box Seal leak	0.25 hrs	Tue 16/05/23 16:00	Tue 16/05/23 16:15	9936	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9938		Install and connect motor	2 hrs	Tue 16/05/23 16:15	Wed 17/05/23 07:15	9937	B Thuso,L Nakedi,S Tlou,G Moeseraela,
9939		Tighten Motor connections & Gland intergrity	0.5 hrs	Wed 17/05/23 07:15	Wed 17/05/23 07:45	9938	L Majoo,Electrician1
9940		Seal for Moisture and dust.	0.25 hrs	Wed 17/05/23 07:45	Wed 17/05/23 08:00	9939	L Majoo,Electrician1
9941		Clear permit	0.25 hrs	Wed 17/05/23 08:00	Wed 17/05/23 08:15	9940	L Majoo,Electrician1
9942	**29C2GK02M**	**B FEED HOPPER STIRRER WEST - Carry out maintenance on Ash Electrical components**	**7.5 hrs**	**Wed 17/05/23 08:15**	**Wed 17/05/23 16:15**	**9928**	
9943		Make out permit	0.25 hrs	Wed 17/05/23 08:15	Wed 17/05/23 08:30		Operations
9944		Accept permit	0.25 hrs	Wed 17/05/23 08:30	Wed 17/05/23 08:45	9943	L Majoo,Electrician1
9945		Carry out Ash Electrical isolation	0.25 hrs	Wed 17/05/23 08:45	Wed 17/05/23 09:00	9944	L Majoo,Electrician1
9946		Disconnect and remove motor and send for repairs	2 hrs	Wed 17/05/23 09:00	Wed 17/05/23 11:00	9945	B Thuso,L Nakedi,S Tlou,G Moeseraela,
9947		Check loose connections inside the panel	0.25 hrs	Wed 17/05/23 11:00	Wed 17/05/23 11:15	9946	L Majoo,Electrician1
9948		Service panel components, VSD & Clear dust	0.25 hrs	Wed 17/05/23 11:15	Wed 17/05/23 11:30	9947	L Majoo,Electrician1
9949		Service Field Isolator	0.5 hrs	Wed 17/05/23 11:30	Wed 17/05/23 12:00	9948	L Majoo,Electrician1
9950		Service Feed Hopper Vibrator Motor & panel	0.5 hrs	Wed 17/05/23 12:30	Wed 17/05/23 13:00	9949	L Majoo,Electrician1
9951		Inspect for possible Gear Box Seal leak	0.25 hrs	Wed 17/05/23 13:00	Wed 17/05/23 13:15	9950	L Majoo,Electrician1
9952		Install and connect motor	2 hrs	Wed 17/05/23 13:15	Wed 17/05/23 15:15	9951	B Thuso,L Nakedi,S Tlou,G Moeseraela,
9953		Tighten Motor connections & Gland intergrity	0.5 hrs	Wed 17/05/23 15:15	Wed 17/05/23 15:45	9952	L Majoo,Electrician1
9954		Seal for Moisture and dust.	0.25 hrs	Wed 17/05/23 15:45	Wed 17/05/23 16:00	9953	L Majoo,Electrician1
9955		Clear permit	0.25 hrs	Wed 17/05/23 16:00	Wed 17/05/23 16:15	9954	L Majoo,Electrician1
9956	**29C2GP02**	**B COMPACTOR - Carry out maintenance**	**6.5 hrs**	**Wed 17/05/23 16:15**	**Thu 18/05/23 11:45**	**9942**	
9957		Make out permit	0.25 hrs	Wed 17/05/23 16:15	Wed 17/05/23 16:30		Operations
9958		Accept permit	0.25 hrs	Wed 17/05/23 16:30	Wed 17/05/23 16:45	9957	L Majoo,Electrician1
9959		Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Wed 17/05/23 16:45	Wed 17/05/23 17:00	9958	L Majoo,Electrician1
9960		Carry out electrical isolation	0.25 hrs	Wed 17/05/23 17:00	Wed 17/05/23 17:15	9959	L Majoo,Electrician1
9961		Check panel HV terminals for arcing & overheating	0.25 hrs	Wed 17/05/23 17:15	Wed 17/05/23 17:30	9960	L Majoo,Electrician1
9962		Check Breaker spouse looseness & arcing	0.25 hrs	Wed 17/05/23 17:30	Wed 17/05/23 17:45	9961	L Majoo,Electrician1
9963		Service Stop/Start	0.25 hrs	Wed 17/05/23 17:45	Wed 17/05/23 18:00	9962	L Majoo,Electrician1
9964		Check underspeed sensor intergrity	0.25 hrs	Thu 18/05/23 07:00	Thu 18/05/23 07:15	9963	L Majoo,Electrician1
9965		Service underspeed control panel	0.5 hrs	Thu 18/05/23 07:15	Thu 18/05/23 07:45	9964	L Majoo,Electrician1
9966		Inspect Motor terminal box interior & Gland intergrity	0.5 hrs	Thu 18/05/23 07:45	Thu 18/05/23 08:15	9965	L Majoo,Electrician1
9967		Clear product off motor, including cooling fan	1 hr	Thu 18/05/23 08:15	Thu 18/05/23 09:15	9966	L Majoo,Electrician1
9968		Service motor terminal box mounting bolts	2 hrs	Thu 18/05/23 09:15	Thu 18/05/23 11:15	9967	L Majoo,Electrician1
9969		Seal for Moisture and dust.	0.25 hrs	Thu 18/05/23 11:15	Thu 18/05/23 11:30	9968	L Majoo,Electrician1
9970		Clear Permit And Electrical Clearence Certificate	0.25 hrs	Thu 18/05/23 11:30	Thu 18/05/23 11:45	9969	L Majoo,Electrician1
9971	**29C2GU01 A**	**B COMPACTOR HYDRAULIC OIL PUMP A - Carry out general electrical maintenance**	**54.25 hrs**	**Fri 05/05/23 07:00**	**Wed 10/05/23 08:45**		
9972		Make out permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		L Majoo,Electrician1
9973		Accept permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	9972	L Majoo,Electrician1
9974		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	9973	L Majoo,Electrician1
9975		Disconnect motor	0.5 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:15	9974	L Majoo,Electrician1
9976		Send motor for repairs	48 hrs	Fri 05/05/23 08:15	Tue 09/05/23 14:45	9975	L Majoo,Electrician1,Riggers,M_Crane7
9977		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 14:45	Tue 09/05/23 15:00	9976	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9978		Check Contactor contacts connetions	0.25 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:15	9977	L Majoo,Electrician1
9979		Confirm correct setting of protections	0.25 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:30	9978	L Majoo,Electrician1
9980		Service Stop/start	0.5 hrs	Tue 09/05/23 15:30	Tue 09/05/23 16:00	9979	L Majoo,Electrician1
9981		Install motor	1.5 hrs	Tue 09/05/23 16:00	Tue 09/05/23 17:30	9980	Riggers,M_Crane7T
9982		Connect motor	0.75 hrs	Tue 09/05/23 17:30	Wed 10/05/23 07:15	9981	L Majoo,Electrician1
9983		Check motor fan condition	0.5 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:45	9982	L Majoo,Electrician1
9984		Check cable terminal leads for over heating	0.25 hrs	Wed 10/05/23 07:45	Wed 10/05/23 08:00	9983	L Majoo,Electrician1
9985		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 10/05/23 08:00	Wed 10/05/23 08:15	9984	L Majoo,Electrician1
9986		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 08:15	Wed 10/05/23 08:30	9985	L Majoo,Electrician1
9987		Clear permit	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45	9986	L Majoo,Electrician1
9988	**29C2GU01 B**	**B COMPACTOR HYDRAULIC OIL PUMP B - Carry out general electrical maintenance**	**54.25 hrs**	**Wed 10/05/23 08:45**	**Mon 15/05/23 10:30**	**9971**	
9989		Make out permit	0.25 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:00		L Majoo,Electrician1
9990		Accept permit	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15	9989	L Majoo,Electrician1
9991		Carry out electrical isolation	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	9990	L Majoo,Electrician1
9992		Disconnect motor	0.5 hrs	Wed 10/05/23 09:30	Wed 10/05/23 10:00	9991	L Majoo,Electrician1
9993		Send motor for repairs	48 hrs	Wed 10/05/23 10:00	Sun 14/05/23 16:30	9992	L Majoo,Electrician1,Riggers,M_Crane7
9994		Check loose connections in the panel	0.25 hrs	Sun 14/05/23 16:30	Sun 14/05/23 16:45	9993	L Majoo,Electrician1
9995		Check Contactor contacts connetions	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	9994	L Majoo,Electrician1
9996		Confirm correct setting of protections	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	9995	L Majoo,Electrician1
9997		Service Stop/start	0.5 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:45	9996	L Majoo,Electrician1
9998		Install motor	1.5 hrs	Sun 14/05/23 17:45	Mon 15/05/23 08:15	9997	Riggers,M_Crane7T
9999		Connect motor	0.75 hrs	Mon 15/05/23 08:15	Mon 15/05/23 09:00	9998	L Majoo,Electrician1
10000		Check motor fan condition	0.5 hrs	Mon 15/05/23 09:00	Mon 15/05/23 09:30	9999	L Majoo,Electrician1
10001		Check cable terminal leads for over heating	0.25 hrs	Mon 15/05/23 09:30	Mon 15/05/23 09:45	10000	L Majoo,Electrician1
10002		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 15/05/23 09:45	Mon 15/05/23 10:00	10001	L Majoo,Electrician1
10003		Seal for Moisture and dust.	0.25 hrs	Mon 15/05/23 10:00	Mon 15/05/23 10:15	10002	L Majoo,Electrician1
10004		Clear permit	0.25 hrs	Mon 15/05/23 10:15	Mon 15/05/23 10:30	10003	L Majoo,Electrician1
10005	**29C2GU01 B**	**B COMPACTOR LUBE OIL PUMP - Carry out maintenance on electrical components**	**54.25 hrs**	**Mon 15/05/23 10:30**	**Sat 20/05/23 12:45**	**9988**	
10006		Make out permit	0.25 hrs	Mon 15/05/23 10:30	Mon 15/05/23 10:45		L Majoo,Electrician1
10007		Accept permit	0.25 hrs	Mon 15/05/23 10:45	Mon 15/05/23 11:00	10006	L Majoo,Electrician1
10008		Carry out electrical isolation	0.25 hrs	Mon 15/05/23 11:00	Mon 15/05/23 11:15	10007	L Majoo,Electrician1
10009		Disconnect motor	0.5 hrs	Mon 15/05/23 11:15	Mon 15/05/23 11:45	10008	L Majoo,Electrician1
10010		Send motor for repairs	48 hrs	Mon 15/05/23 11:45	Sat 20/05/23 07:15	10009	L Majoo,Electrician1,Riggers,M_Crane7
10011		Check loose connections in the panel	0.25 hrs	Sat 20/05/23 07:15	Sat 20/05/23 07:30	10010	L Majoo,Electrician1
10012		Check Contactor contacts connetions	0.25 hrs	Sat 20/05/23 07:30	Sat 20/05/23 07:45	10011	L Majoo,Electrician1
10013		Confirm correct setting of protections	0.25 hrs	Sat 20/05/23 07:45	Sat 20/05/23 08:00	10012	L Majoo,Electrician1
10014		Service Stop/start	0.5 hrs	Sat 20/05/23 08:00	Sat 20/05/23 08:30	10013	L Majoo,Electrician1
10015		Install motor	1.5 hrs	Sat 20/05/23 08:30	Sat 20/05/23 10:00	10014	Riggers,M_Crane7T
10016		Connect motor	0.75 hrs	Sat 20/05/23 10:00	Sat 20/05/23 10:45	10015	L Majoo,Electrician1
10017		Check motor fan condition	0.5 hrs	Sat 20/05/23 10:45	Sat 20/05/23 11:15	10016	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10018		Check cable terminal leads for over heating	0.25 hrs	Sat 20/05/23 11:15	Sat 20/05/23 11:30	10017	L Majoo,Electrician1
10019		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 20/05/23 11:30	Sat 20/05/23 11:45	10018	L Majoo,Electrician1
10020		Seal for Moisture and dust.	0.25 hrs	Sat 20/05/23 11:45	Sat 20/05/23 12:00	10019	L Majoo,Electrician1
10021		Clear permit	0.25 hrs	Sat 20/05/23 12:30	Sat 20/05/23 12:45	10020	L Majoo,Electrician1
10022	**29C2GP02**	**B COMPACTOR TRANSFER SCREW - Carry out maintenance on electrical components**	**3.75 hrs**	**Thu 04/05/23 22:45**	**Fri 05/05/23 10:45**		
10023		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
10024		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	10023	L Majoo,Electrician1
10025		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	10024	L Majoo,Electrician1
10026		Check loose connections in the panel	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	10025	L Majoo,Electrician1
10027		Check Contactor contacts connetions	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	10026	L Majoo,Electrician1
10028		Confirm correct setting of protections	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	10027	L Majoo,Electrician1
10029		Service Stop/start	0.5 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:45	10028	L Majoo,Electrician1
10030		Service safe start circuit	0.5 hrs	Fri 05/05/23 08:45	Fri 05/05/23 09:15	10029	L Majoo,Electrician1
10031		Check motor fan condition	0.5 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:45	10030	L Majoo,Electrician1
10032		Check cable terminal leads for over heating	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	10031	L Majoo,Electrician1
10033		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	10032	L Majoo,Electrician1
10034		Seal for Moisture and dust	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	10033	L Majoo,Electrician1
10035		Clear permit	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	10034	L Majoo,Electrician1
10036	**29C2GF09**	**B FLAKE CRUSHER - Carry out maintenance on Ash Electrical components**	**11 hrs**	**Fri 05/05/23 10:45**	**Sat 06/05/23 11:15**	**10022**	
10037		Make out permit	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00		Operations
10038		Accept permit	0.25 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:15	10037	L Majoo,Electrician1
10039		Carry out Ash Electrical isolation	0.25 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:30	10038	L Majoo,Electrician1
10040		Disconnect motor	2 hrs	Fri 05/05/23 11:30	Fri 05/05/23 14:00	10039	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10041		Paint motor	4 hrs	Fri 05/05/23 14:00	Fri 05/05/23 18:00	10040	L Baipusi,S Ateng
10042		Curing time	4 hrs	Fri 05/05/23 18:00	Fri 05/05/23 22:00	10041	
10043		Check loose connections inside the panel	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	10042	L Majoo,Electrician1
10044		Service panel components & Clear dust	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	10043	L Majoo,Electrician1
10045		Service Stop/start	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45	10044	L Majoo,Electrician1
10046		Check Fan condition	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	10045	L Majoo,Electrician1
10047		Inspect for possible Gear Box Seal leak	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	10046	L Majoo,Electrician1
10048		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:30	10047	L Majoo,Electrician1
10049		Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	10048	L Majoo,Electrician1
10050		Install and connect motor	2 hrs	Sat 06/05/23 08:45	Sat 06/05/23 10:45	10049	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10051		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	10050	L Majoo,Electrician1
10052		Clear permit	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	10051	L Majoo,Electrician1
10053	**29C2GB02**	**B EXHAUST FAN - Carry out Ash Electrical maintenance**	**7 hrs**	**Sat 06/05/23 11:15**	**Sun 07/05/23 07:45**	**10036**	
10054		Make out permit	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30		Operations
10055		Accept permit	0.25 hrs	Sat 06/05/23 11:30	Sat 06/05/23 11:45	10054	L Majoo,Electrician1
10056		Carry out Ash Electrical isolation	0.25 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:00	10055	L Majoo,Electrician1
10057		Disconnect and remove motor and send for repairs	2 hrs	Sat 06/05/23 12:30	Sat 06/05/23 14:30	10056	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10058		Check loose connections in the panel	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	10057	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10059		Service panel components	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	10058	L Majoo,Electrician1
10060		Check fan & fan cowling	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15	10059	L Majoo,Electrician1
10061		service stop/start	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	10060	L Majoo,Electrician1
10062		Install and connect motor	2 hrs	Sat 06/05/23 15:30	Sat 06/05/23 17:30	10061	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10063		Check for overheating on supply cable leads.	0.25 hrs	Sat 06/05/23 17:30	Sat 06/05/23 17:45	10062	L Majoo,Electrician1
10064		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 17:45	Sat 06/05/23 18:00	10063	L Majoo,Electrician1
10065		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:15	10064	L Majoo,Electrician1
10066		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	10065	L Majoo,Electrician1
10067		Clear permit	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	10066	L Majoo,Electrician1
10068	**29C2GF10 M**	**B PRE-CRUSHER - Carry out maintenance on electrical components**	**3.5 hrs**	**Sun 07/05/23 07:45**	**Sun 07/05/23 11:15**	**10053**	
10069		Make out permit	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00		Operations
10070		Accept permit	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15	10069	L Majoo,Electrician1
10071		Carry out Ash Electrical isolation	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30	10070	L Majoo,Electrician1
10072		Check loose connections inside the panel	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	10071	L Majoo,Electrician1
10073		Service panel components & Clear dust	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	10072	L Majoo,Electrician1
10074		Replace Field Isolator	0.5 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:30	10073	L Majoo,Electrician1
10075		Check Motor Fans condition	0.25 hrs	Sun 07/05/23 09:30	Sun 07/05/23 09:45	10074	L Majoo,Electrician1
10076		Inspect for possible Gear Box Seal leak	0.25 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:00	10075	L Majoo,Electrician1
10077		Tighten Motor connections & Gland intergrity	0.5 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:30	10076	L Majoo,Electrician1
10078		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 10:30	Sun 07/05/23 10:45	10077	L Majoo,Electrician1
10079		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	10078	L Majoo,Electrician1
10080		Clear permit	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	10079	L Majoo,Electrician1
10081	**29C2GF10 M**	**B PRE-CRUSHER - Carry out maintenance on electrical components**	**3.5 hrs**	**Sun 07/05/23 11:15**	**Sun 07/05/23 15:15**	**10068**	
10082		Make out permit	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30		Operations
10083		Accept permit	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	10082	L Majoo,Electrician1
10084		Carry out Ash Electrical isolation	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	10083	L Majoo,Electrician1
10085		Check loose connections inside the panel	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	10084	L Majoo,Electrician1
10086		Service panel components & Clear dust	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	10085	L Majoo,Electrician1
10087		Replace Field Isolator	0.5 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:30	10086	L Majoo,Electrician1
10088		Check Motor Fans condition	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	10087	L Majoo,Electrician1
10089		Inspect for possible Gear Box Seal leak	0.25 hrs	Sun 07/05/23 13:45	Sun 07/05/23 14:00	10088	L Majoo,Electrician1
10090		Tighten Motor connections & Gland intergrity	0.5 hrs	Sun 07/05/23 14:00	Sun 07/05/23 14:30	10089	L Majoo,Electrician1
10091		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:45	10090	L Majoo,Electrician1
10092		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:00	10091	L Majoo,Electrician1
10093		Clear permit	0.25 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:15	10092	L Majoo,Electrician1
10094	**29C2RM02**	**B1 STAR FEEDER - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Sun 07/05/23 15:15**	**Mon 08/05/23 07:15**	**10081**	
10095		Make out permit	0.25 hrs	Sun 07/05/23 15:15	Sun 07/05/23 15:30		Operations
10096		Accept permit	0.25 hrs	Sun 07/05/23 15:30	Sun 07/05/23 15:45	10095	L Majoo,Electrician1
10097		Carry out Ash Electrical isolation	0.25 hrs	Sun 07/05/23 15:45	Sun 07/05/23 16:00	10096	L Majoo,Electrician1
10098		Check loose connections inside the panel	0.25 hrs	Sun 07/05/23 16:00	Sun 07/05/23 16:15	10097	L Majoo,Electrician1
10099		Service panel components, VSD & Clear dust	0.25 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:30	10098	L Majoo,Electrician1
10100		Service Field Isolator	0.25 hrs	Sun 07/05/23 16:30	Sun 07/05/23 16:45	10099	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10101		Check Motor Fan condition	0.25 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:00	10100	L Majoo,Electrician1
10102		Inspect for possible Gear Box Seal leak	0.25 hrs	Sun 07/05/23 17:00	Sun 07/05/23 17:15	10101	L Majoo,Electrician1
10103		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 07/05/23 17:15	Sun 07/05/23 17:30	10102	L Majoo,Electrician1
10104		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 17:30	Sun 07/05/23 17:45	10103	L Majoo,Electrician1
10105		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 17:45	Sun 07/05/23 18:00	10104	L Majoo,Electrician1
10106		Clear permit	0.25 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:15	10105	L Majoo,Electrician1
10107	**29C2RM04**	**B2 DOSING STAR FEEDER - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Mon 08/05/23 07:15**	**Mon 08/05/23 10:15**	**10094**	
10108		Make out permit	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30		Operations
10109		Accept permit	0.25 hrs	Mon 08/05/23 07:30	Mon 08/05/23 07:45	10108	L Majoo,Electrician1
10110		Carry out Ash Electrical isolation	0.25 hrs	Mon 08/05/23 07:45	Mon 08/05/23 08:00	10109	L Majoo,Electrician1
10111		Check loose connections inside the panel	0.25 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:15	10110	L Majoo,Electrician1
10112		Service panel components, VSD & Clear dust	0.25 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:30	10111	L Majoo,Electrician1
10113		Service Field Isolator	0.25 hrs	Mon 08/05/23 08:30	Mon 08/05/23 08:45	10112	L Majoo,Electrician1
10114		Check Motor Fan condition	0.25 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:00	10113	L Majoo,Electrician1
10115		Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:15	10114	L Majoo,Electrician1
10116		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:30	10115	L Majoo,Electrician1
10117		Seal for Moisture and dust.	0.25 hrs	Mon 08/05/23 09:30	Mon 08/05/23 09:45	10116	L Majoo,Electrician1
10118		Confirm correct protection settings	0.25 hrs	Mon 08/05/23 09:45	Mon 08/05/23 10:00	10117	L Majoo,Electrician1
10119		Clear permit	0.25 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:15	10118	L Majoo,Electrician1
10120	**29C2RL02**	**B SCREW FEEDER - Carry out maintenance on Ash Electrical components**	**8.25 hrs**	**Wed 10/05/23 14:30**	**Thu 11/05/23 11:45**	**2753**	
10121		Make out permit	0.25 hrs	Wed 10/05/23 14:30	Wed 10/05/23 14:45		Operations
10122		Accept permit	0.25 hrs	Wed 10/05/23 14:45	Wed 10/05/23 15:00	10121	L Majoo,Electrician1
10123		Carry out Ash Electrical isolation	0.25 hrs	Wed 10/05/23 15:00	Wed 10/05/23 15:15	10122	L Majoo,Electrician1
10124		Disconnect and remove motor and send for repairs	2 hrs	Wed 10/05/23 15:15	Wed 10/05/23 17:15	10123	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10125		Check loose connections in the panel	0.25 hrs	Wed 10/05/23 17:15	Wed 10/05/23 17:30	10124	L Majoo,Electrician1
10126		Open VSD & blow out dust	0.5 hrs	Wed 10/05/23 17:30	Wed 10/05/23 18:00	10125	L Majoo,Electrician1
10127		Tighten VSD connections	0.25 hrs	Thu 11/05/23 07:00	Thu 11/05/23 07:15	10126	L Majoo,Electrician1
10128		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Thu 11/05/23 07:15	Thu 11/05/23 07:30	10127	L Majoo,Electrician1
10129		Install and connect motor	2 hrs	Thu 11/05/23 07:30	Thu 11/05/23 09:30	10128	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10130		Replace faulty safe start siren	1 hr	Thu 11/05/23 09:30	Thu 11/05/23 10:30	10129	L Majoo,Electrician1
10131		Service safe start circuit & Field Isolator	0.25 hrs	Thu 11/05/23 10:30	Thu 11/05/23 10:45	10130	L Majoo,Electrician1
10132		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 11/05/23 10:45	Thu 11/05/23 11:00	10131	L Majoo,Electrician1
10133		Seal for Moisture and dust.	0.25 hrs	Thu 11/05/23 11:00	Thu 11/05/23 11:15	10132	L Majoo,Electrician1
10134		Confirm correct protection settings	0.25 hrs	Thu 11/05/23 11:15	Thu 11/05/23 11:30	10133	L Majoo,Electrician1
10135		Clear permit	0.25 hrs	Thu 11/05/23 11:30	Thu 11/05/23 11:45	10134	L Majoo,Electrician1
10136	**29C2RE03**	**B1 BELT CONVEYOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Thu 11/05/23 11:45**	**Thu 11/05/23 15:30**	**10120**	
10137		Make out permit	0.25 hrs	Thu 11/05/23 11:45	Thu 11/05/23 12:00		Operations
10138		Accept permit	0.25 hrs	Thu 11/05/23 12:30	Thu 11/05/23 12:45	10137	L Majoo,Electrician1
10139		Carry out Ash Electrical isolation	0.25 hrs	Thu 11/05/23 12:45	Thu 11/05/23 13:00	10138	L Majoo,Electrician1
10140		Check loose connections inside the panel	0.25 hrs	Thu 11/05/23 13:00	Thu 11/05/23 13:15	10139	L Majoo,Electrician1
10141		Service panel components & clear dust	0.25 hrs	Thu 11/05/23 13:15	Thu 11/05/23 13:30	10140	L Majoo,Electrician1
10142		Service Field Isolator	0.25 hrs	Thu 11/05/23 13:30	Thu 11/05/23 13:45	10141	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10143		Check underspeed sensor intergrity & circuit operation.	0.25 hrs	Thu 11/05/23 13:45	Thu 11/05/23 14:00	10142	L Majoo,Electrician1
10144		Service belt alignment and pull switches	0.25 hrs	Thu 11/05/23 14:00	Thu 11/05/23 14:15	10143	L Majoo,Electrician1
10145		Service safe start circuit	0.25 hrs	Thu 11/05/23 14:15	Thu 11/05/23 14:30	10144	L Majoo,Electrician1
10146		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 11/05/23 14:30	Thu 11/05/23 14:45	10145	L Majoo,Electrician1
10147		Seal for Moisture and dust.	0.25 hrs	Thu 11/05/23 14:45	Thu 11/05/23 15:00	10146	L Majoo,Electrician1
10148		Confirm correct protection settings	0.25 hrs	Thu 11/05/23 15:00	Thu 11/05/23 15:15	10147	L Majoo,Electrician1
10149		Clear permit	0.25 hrs	Thu 11/05/23 15:15	Thu 11/05/23 15:30	10148	L Majoo,Electrician1
10150	**29C2RE04**	**B2 BELT CONVEYOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Thu 11/05/23 15:30**	**Fri 12/05/23 07:45**	**10136**	
10151		Make out permit	0.25 hrs	Thu 11/05/23 15:30	Thu 11/05/23 15:45		Operations
10152		Accept permit	0.25 hrs	Thu 11/05/23 15:45	Thu 11/05/23 16:00	10151	L Majoo,Electrician1
10153		Carry out Ash Electrical isolation	0.25 hrs	Thu 11/05/23 16:00	Thu 11/05/23 16:15	10152	L Majoo,Electrician1
10154		Check loose connections inside the panel	0.25 hrs	Thu 11/05/23 16:15	Thu 11/05/23 16:30	10153	L Majoo,Electrician1
10155		Service panel components & clear dust	0.25 hrs	Thu 11/05/23 16:30	Thu 11/05/23 16:45	10154	L Majoo,Electrician1
10156		Service Field Isolator	0.25 hrs	Thu 11/05/23 16:45	Thu 11/05/23 17:00	10155	L Majoo,Electrician1
10157		Check underspeed sensor intergrity & circuit operation.	0.25 hrs	Thu 11/05/23 17:00	Thu 11/05/23 17:15	10156	L Majoo,Electrician1
10158		Service belt alignment and pull switches	0.25 hrs	Thu 11/05/23 17:15	Thu 11/05/23 17:30	10157	L Majoo,Electrician1
10159		Service safe start circuit	0.25 hrs	Thu 11/05/23 17:30	Thu 11/05/23 17:45	10158	L Majoo,Electrician1
10160		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 11/05/23 17:45	Thu 11/05/23 18:00	10159	L Majoo,Electrician1
10161		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 07:00	Fri 12/05/23 07:15	10160	L Majoo,Electrician1
10162		Confirm correct protection settings	0.25 hrs	Fri 12/05/23 07:15	Fri 12/05/23 07:30	10161	L Majoo,Electrician1
10163		Clear permit	0.25 hrs	Fri 12/05/23 07:30	Fri 12/05/23 07:45	10162	L Majoo,Electrician1
10164	**29C2RP03**	**B1 BUCKET ELEVATOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Fri 12/05/23 07:45**	**Fri 12/05/23 11:00**	**10150**	
10165		Make out permit	0.25 hrs	Fri 12/05/23 07:45	Fri 12/05/23 08:00		Operations
10166		Accept permit	0.25 hrs	Fri 12/05/23 08:00	Fri 12/05/23 08:15	10165	L Majoo,Electrician1
10167		Carry out Ash Electrical isolation	0.25 hrs	Fri 12/05/23 08:15	Fri 12/05/23 08:30	10166	L Majoo,Electrician1
10168		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45	10167	L Majoo,Electrician1
10169		Service panel components & Clear dust	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	10168	L Majoo,Electrician1
10170		Service Field isolator	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	10169	L Majoo,Electrician1
10171		Check underspeed sensor cable & circuit operation	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30	10170	L Majoo,Electrician1
10172		Clear product build-up between Sensor & Actuators	0.25 hrs	Fri 12/05/23 09:30	Fri 12/05/23 09:45	10171	L Majoo,Electrician1
10173		Service safe start circuit	0.25 hrs	Fri 12/05/23 09:45	Fri 12/05/23 10:00	10172	L Majoo,Electrician1
10174		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 10:00	Fri 12/05/23 10:15	10173	L Majoo,Electrician1
10175		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 10:15	Fri 12/05/23 10:30	10174	L Majoo,Electrician1
10176		Confirm correct protection settings	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45	10175	L Majoo,Electrician1
10177		Clear permit	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	10176	L Majoo,Electrician1
10178	**29C2RP04**	**B2 BUCKET ELEVATOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Fri 12/05/23 11:00**	**Fri 12/05/23 14:45**	**10164**	
10179		Make out permit	0.25 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:15		Operations
10180		Accept permit	0.25 hrs	Fri 12/05/23 11:15	Fri 12/05/23 11:30	10179	L Majoo,Electrician1
10181		Carry out Ash Electrical isolation	0.25 hrs	Fri 12/05/23 11:30	Fri 12/05/23 11:45	10180	L Majoo,Electrician1
10182		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 11:45	Fri 12/05/23 12:00	10181	L Majoo,Electrician1
10183		Service panel components & Clear dust	0.25 hrs	Fri 12/05/23 12:30	Fri 12/05/23 12:45	10182	L Majoo,Electrician1
10184		Service Field isolator	0.25 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:00	10183	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10185		Check underspeed sensor cable & circuit operation	0.25 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:15	10184	L Majoo,Electrician1
10186		Clear product build-up between Sensor & Actuators	0.25 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:30	10185	L Majoo,Electrician1
10187		Service safe start circuit	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45	10186	L Majoo,Electrician1
10188		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	10187	L Majoo,Electrician1
10189		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:15	10188	L Majoo,Electrician1
10190		Confirm correct protection settings	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30	10189	L Majoo,Electrician1
10191		Clear permit	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45	10190	L Majoo,Electrician1
10192	**29C2GF15**	**B1 FINE ROLLER ROLLER CRUSHER - Carry out maintenance on Ash Electrical components**	**7.5 hrs**	**Fri 12/05/23 14:45**	**Sat 13/05/23 11:15**	**10178**	
10193		Make out permit	0.25 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:00		Operations
10194		Accept permit	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	10193	L Majoo,Electrician1
10195		Carry out Electrical isolation	0.25 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:30	10194	L Majoo,Electrician1
10196		Check loose connections inside the panel	0.25 hrs	Fri 12/05/23 15:30	Fri 12/05/23 15:45	10195	L Majoo,Electrician1
10197		Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:00	10196	L Majoo,Electrician1
10198		Service Field Isolator	0.25 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:15	10197	L Majoo,Electrician1
10199		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 16:15	Fri 12/05/23 16:30	10198	L Majoo,Electrician1
10200		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 16:30	Fri 12/05/23 16:45	10199	L Majoo,Electrician1
10201		Confirm correct protection settings	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	10200	L Majoo,Electrician1
10202		Wire circuit for new crusher	4 hrs	Fri 12/05/23 17:00	Sat 13/05/23 10:00	10201	L Majoo,Electrician1
10203		Test parameters for compatability	1 hr	Sat 13/05/23 10:00	Sat 13/05/23 11:00	10202	L Majoo,Electrician1
10204		Clear permit	0.25 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:15	10203	L Majoo,Electrician1
10205	**29C2GF16**	**B2 FINE ROLLER ROLLER CRUSHER - Carry out maintenance on Ash Electrical components**	**7.5 hrs**	**Sat 13/05/23 11:15**	**Sun 14/05/23 08:15**	**10192**	
10206		Make out permit	0.25 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:30		Operations
10207		Accept permit	0.25 hrs	Sat 13/05/23 11:30	Sat 13/05/23 11:45	10206	L Majoo,Electrician1
10208		Carry out Electrical isolation	0.25 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:00	10207	L Majoo,Electrician1
10209		Check loose connections inside the panel	0.25 hrs	Sat 13/05/23 12:30	Sat 13/05/23 12:45	10208	L Majoo,Electrician1
10210		Service panel components & clear dust	0.25 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:00	10209	L Majoo,Electrician1
10211		Service Field Isolator	0.25 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:15	10210	L Majoo,Electrician1
10212		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 13/05/23 13:15	Sat 13/05/23 13:30	10211	L Majoo,Electrician1
10213		Seal for Moisture and dust.	0.25 hrs	Sat 13/05/23 13:30	Sat 13/05/23 13:45	10212	L Majoo,Electrician1
10214		Confirm correct protection settings	0.25 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:00	10213	L Majoo,Electrician1
10215		Wire circuit for new crusher	4 hrs	Sat 13/05/23 14:00	Sat 13/05/23 18:00	10214	L Majoo,Electrician1
10216		Test parameters for compatability	1 hr	Sun 14/05/23 07:00	Sun 14/05/23 08:00	10215	L Majoo,Electrician1
10217		Clear permit	0.25 hrs	Sun 14/05/23 08:00	Sun 14/05/23 08:15	10216	L Majoo,Electrician1
10218	**29C2GF11**	**# B1 PRE-ROLLER CRUSHER – Carry out inspections and service**	**2.5 hrs**	**Sun 14/05/23 08:15**	**Sun 14/05/23 10:45**	**10205**	
10219		Make out permit	0.25 hrs	Sun 14/05/23 08:15	Sun 14/05/23 08:30		Operations
10220		Accept permit	0.25 hrs	Sun 14/05/23 08:30	Sun 14/05/23 08:45	10219	L Majoo,Electrician1
10221		Carry out Electrical isolation	0.25 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:00	10220	L Majoo,Electrician1
10222		Check loose connections inside the panel	0.25 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:15	10221	L Majoo,Electrician1
10223		Service panel components & clear dust	0.25 hrs	Sun 14/05/23 09:15	Sun 14/05/23 09:30	10222	L Majoo,Electrician1
10224		Service Field Isolator	0.25 hrs	Sun 14/05/23 09:30	Sun 14/05/23 09:45	10223	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10225		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 14/05/23 09:45	Sun 14/05/23 10:00	10224	L Majoo,Electrician1
10226		Seal for Moisture and dust.	0.25 hrs	Sun 14/05/23 10:00	Sun 14/05/23 10:15	10225	L Majoo,Electrician1
10227		Confirm correct protection settings	0.25 hrs	Sun 14/05/23 10:15	Sun 14/05/23 10:30	10226	L Majoo,Electrician1
10228		Clear permit	0.25 hrs	Sun 14/05/23 10:30	Sun 14/05/23 10:45	10227	L Majoo,Electrician1
10229	**29C2GF12**	**# B2 PRE-ROLLER CRUSHER – Carry out inspections and service**	**2.5 hrs**	**Sun 14/05/23 10:45**	**Sun 14/05/23 13:45**	**10218**	
10230		Make out permit	0.25 hrs	Sun 14/05/23 10:45	Sun 14/05/23 11:00		Operations
10231		Accept permit	0.25 hrs	Sun 14/05/23 11:00	Sun 14/05/23 11:15	10230	L Majoo,Electrician1
10232		Carry out Electrical isolation	0.25 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:30	10231	L Majoo,Electrician1
10233		Check loose connections inside the panel	0.25 hrs	Sun 14/05/23 11:30	Sun 14/05/23 11:45	10232	L Majoo,Electrician1
10234		Service panel components & clear dust	0.25 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:00	10233	L Majoo,Electrician1
10235		Service Field Isolator	0.25 hrs	Sun 14/05/23 12:30	Sun 14/05/23 12:45	10234	L Majoo,Electrician1
10236		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 14/05/23 12:45	Sun 14/05/23 13:00	10235	L Majoo,Electrician1
10237		Seal for Moisture and dust.	0.25 hrs	Sun 14/05/23 13:00	Sun 14/05/23 13:15	10236	L Majoo,Electrician1
10238		Confirm correct protection settings	0.25 hrs	Sun 14/05/23 13:15	Sun 14/05/23 13:30	10237	L Majoo,Electrician1
10239		Clear permit	0.25 hrs	Sun 14/05/23 13:30	Sun 14/05/23 13:45	10238	L Majoo,Electrician1
10240	**29C2GF13**	**# B3 PRE-ROLLER CRUSHER – Carry out inspections and service**	**2.5 hrs**	**Sun 14/05/23 13:45**	**Sun 14/05/23 16:15**	**10229**	
10241		Make out permit	0.25 hrs	Sun 14/05/23 13:45	Sun 14/05/23 14:00		Operations
10242		Accept permit	0.25 hrs	Sun 14/05/23 14:00	Sun 14/05/23 14:15	10241	L Majoo,Electrician1
10243		Carry out Electrical isolation	0.25 hrs	Sun 14/05/23 14:15	Sun 14/05/23 14:30	10242	L Majoo,Electrician1
10244		Check loose connections inside the panel	0.25 hrs	Sun 14/05/23 14:30	Sun 14/05/23 14:45	10243	L Majoo,Electrician1
10245		Service panel components & clear dust	0.25 hrs	Sun 14/05/23 14:45	Sun 14/05/23 15:00	10244	L Majoo,Electrician1
10246		Service Field Isolator	0.25 hrs	Sun 14/05/23 15:00	Sun 14/05/23 15:15	10245	L Majoo,Electrician1
10247		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 14/05/23 15:15	Sun 14/05/23 15:30	10246	L Majoo,Electrician1
10248		Seal for Moisture and dust.	0.25 hrs	Sun 14/05/23 15:30	Sun 14/05/23 15:45	10247	L Majoo,Electrician1
10249		Confirm correct protection settings	0.25 hrs	Sun 14/05/23 15:45	Sun 14/05/23 16:00	10248	L Majoo,Electrician1
10250		Clear permit	0.25 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:15	10249	L Majoo,Electrician1
10251	**29C2GF14**	**# B4 PRE-ROLLER CRUSHER – Carry out inspections and service**	**8.25 hrs**	**Sun 14/05/23 16:15**	**Mon 15/05/23 14:00**	**10240**	
10252		Make out permit	0.25 hrs	Sun 14/05/23 16:15	Sun 14/05/23 16:30		Operations
10253		Accept permit	0.25 hrs	Sun 14/05/23 16:30	Sun 14/05/23 16:45	10252	L Majoo,Electrician1
10254		Carry out Electrical isolation	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	10253	L Majoo,Electrician1
10255		Replace DB board	4 hrs	Sun 14/05/23 17:00	Mon 15/05/23 10:00	10254	M Ramatlhakeng,S Monna,L Majoo,Ele
10256		Remove old circuit breaker	0.25 hrs	Mon 15/05/23 10:00	Mon 15/05/23 10:15	10255	L Majoo,Electrician1
10257		Install new circuit breaker	1.5 hrs	Mon 15/05/23 10:15	Mon 15/05/23 11:45	10256	L Majoo,Electrician1
10258		Check loose connections inside the panel	0.25 hrs	Mon 15/05/23 11:45	Mon 15/05/23 12:00	10257	L Majoo,Electrician1
10259		Service panel components & clear dust	0.25 hrs	Mon 15/05/23 12:30	Mon 15/05/23 12:45	10258	L Majoo,Electrician1
10260		Service Field Isolator	0.25 hrs	Mon 15/05/23 12:45	Mon 15/05/23 13:00	10259	L Majoo,Electrician1
10261		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 15/05/23 13:00	Mon 15/05/23 13:15	10260	L Majoo,Electrician1
10262		Seal for Moisture and dust.	0.25 hrs	Mon 15/05/23 13:15	Mon 15/05/23 13:30	10261	L Majoo,Electrician1
10263		Confirm correct protection settings	0.25 hrs	Mon 15/05/23 13:30	Mon 15/05/23 13:45	10262	L Majoo,Electrician1
10264		Clear permit	0.25 hrs	Mon 15/05/23 13:45	Mon 15/05/23 14:00	10263	L Majoo,Electrician1
10265	**29C2GN07**	**B1 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**8.75 hrs**	**Thu 04/05/23 22:45**	**Fri 05/05/23 16:15**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10266		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
10267		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	10266	L Majoo,Electrician1
10268		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	10267	L Majoo,Electrician1
10269		Check loose connections inside the panel	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	10268	L Majoo,Electrician1
10270		Service panel components & clear dust	1 hr	Fri 05/05/23 07:45	Fri 05/05/23 08:45	10269	L Majoo,Electrician1
10271		Service field Terminal Box, replace worn Clip-on terminals	1.5 hrs	Fri 05/05/23 08:45	Fri 05/05/23 10:15	10270	L Majoo,Electrician1
10272		Replace worn Butt terminals/Lugs	1.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 11:45	10271	L Majoo,Electrician1
10273		Check Protection Breakers for open circuit	0.5 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:45	10272	L Majoo,Electrician1
10274		Service Field Isolator	0.25 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:00	10273	L Majoo,Electrician1
10275		Test resistance for all coils	0.5 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:30	10274	L Majoo,Electrician1
10276		Label Controllers, current monitors & rear terminals	2 hrs	Fri 05/05/23 13:30	Fri 05/05/23 15:30	10275	L Majoo,Electrician1
10277		Confirm correct Current Monitor settings	0.25 hrs	Fri 05/05/23 15:30	Fri 05/05/23 15:45	10276	L Majoo,Electrician1
10278		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00	10277	L Majoo,Electrician1
10279		Clear permit	0.25 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:15	10278	L Majoo,Electrician1
10280	**29C2GN08**	**B2 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**9 hrs**	**Fri 05/05/23 16:15**	**Sat 06/05/23 14:45**	**10265**	
10281		Make out permit	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30		Operations
10282		Accept permit	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	10281	L Majoo,Electrician1
10283		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	10282	L Majoo,Electrician1
10284		Check loose connections inside the panel	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	10283	L Majoo,Electrician1
10285		Service panel components & clear dust	1 hr	Fri 05/05/23 17:15	Sat 06/05/23 07:15	10284	L Majoo,Electrician1
10286		Service field Terminal Box, replace worn Clip-on terminals	1.5 hrs	Sat 06/05/23 07:15	Sat 06/05/23 08:45	10285	L Majoo,Electrician1
10287		Replace worn Butt terminals/Lugs	1.5 hrs	Sat 06/05/23 08:45	Sat 06/05/23 10:15	10286	L Majoo,Electrician1
10288		Check Protection Breakers for open circuit	0.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:45	10287	L Majoo,Electrician1
10289		Service Field Isolator	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	10288	L Majoo,Electrician1
10290		Test resistance for all coils	0.5 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:30	10289	L Majoo,Electrician1
10291		Label Controllers, current monitors & rear terminals	2 hrs	Sat 06/05/23 11:30	Sat 06/05/23 14:00	10290	L Majoo,Electrician1
10292		Confirm correct Current Monitor settings	0.25 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:15	10291	L Majoo,Electrician1
10293		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	10292	L Majoo,Electrician1
10294		Clear permit	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	10293	L Majoo,Electrician1
10295	**29C2GN09**	**B3 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**8.5 hrs**	**Sat 06/05/23 14:45**	**Sun 07/05/23 12:45**	**10280**	
10296		Make out permit	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00		Operations
10297		Accept permit	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15	10296	L Majoo,Electrician1
10298		Carry out Ash Electrical isolation	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	10297	L Majoo,Electrician1
10299		Check loose connections inside the panel	0.25 hrs	Sat 06/05/23 15:30	Sat 06/05/23 15:45	10298	L Majoo,Electrician1
10300		Service panel components & clear dust	1 hr	Sat 06/05/23 15:45	Sat 06/05/23 16:45	10299	L Majoo,Electrician1
10301		Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Sat 06/05/23 16:45	Sun 07/05/23 07:15	10300	L Majoo,Electrician1
10302		Replace worn Butt terminals/Lugs	1.5 hrs	Sun 07/05/23 07:15	Sun 07/05/23 08:45	10301	L Majoo,Electrician1
10303		Check Protection Breakers for open circuit	0.5 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:15	10302	L Majoo,Electrician1
10304		Service Field Isolator	0.25 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:30	10303	L Majoo,Electrician1
10305		Label Controllers, current monitors & rear terminals	2 hrs	Sun 07/05/23 09:30	Sun 07/05/23 11:30	10304	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10306		Confirm correct Current Monitor settings	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	10305	L Majoo,Electrician1
10307		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	10306	L Majoo,Electrician1
10308		Clear permit	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	10307	L Majoo,Electrician1
10309	**29C2GN10**	**B4 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**9 hrs**	**Sun 07/05/23 12:45**	**Mon 08/05/23 10:45**	**10295**	
10310		Make out permit	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00		Operations
10311		Accept permit	0.25 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:15	10310	L Majoo,Electrician1
10312		Carry out electrical isolation	0.25 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:30	10311	L Majoo,Electrician1
10313		Check loose connections inside the panel	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	10312	L Majoo,Electrician1
10314		Service panel components & clear dust	1 hr	Sun 07/05/23 13:45	Sun 07/05/23 14:45	10313	L Majoo,Electrician1
10315		Service field Terminal Box, replace worn Clip-on terminals	1.5 hrs	Sun 07/05/23 14:45	Sun 07/05/23 16:15	10314	L Majoo,Electrician1
10316		Replace worn Butt terminals/Lugs	1.5 hrs	Sun 07/05/23 16:15	Sun 07/05/23 17:45	10315	L Majoo,Electrician1
10317		Check Protection Breakers for open circuit	0.5 hrs	Sun 07/05/23 17:45	Mon 08/05/23 07:15	10316	L Majoo,Electrician1
10318		Service Field Isolator	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30	10317	L Majoo,Electrician1
10319		Test resistance for all coils	0.5 hrs	Mon 08/05/23 07:30	Mon 08/05/23 08:00	10318	L Majoo,Electrician1
10320		Label Controllers, current monitors & rear terminals	2 hrs	Mon 08/05/23 08:00	Mon 08/05/23 10:00	10319	L Majoo,Electrician1
10321		Confirm correct Current Monitor settings	0.25 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:15	10320	L Majoo,Electrician1
10322		Confirm correct protection settings	0.25 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:30	10321	L Majoo,Electrician1
10323		Clear permit	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45	10322	L Majoo,Electrician1
10324	**29C2GN11**	**B1 SECONDARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**9 hrs**	**Mon 08/05/23 10:45**	**Tue 09/05/23 09:15**	**10309**	
10325		Make out permit	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00		Operations
10326		Accept permit	0.25 hrs	Mon 08/05/23 11:00	Mon 08/05/23 11:15	10325	L Majoo,Electrician1
10327		Carry out electrical isolation	0.25 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:30	10326	L Majoo,Electrician1
10328		Check loose connections inside the panel	0.25 hrs	Mon 08/05/23 11:30	Mon 08/05/23 11:45	10327	L Majoo,Electrician1
10329		Service panel components & clear dust	1 hr	Mon 08/05/23 11:45	Mon 08/05/23 13:15	10328	L Majoo,Electrician1
10330		Service field Terminal Box, replace worn Clip-on terminals	1.5 hrs	Mon 08/05/23 13:15	Mon 08/05/23 14:45	10329	L Majoo,Electrician1
10331		Replace worn Butt terminals/Lugs	1.5 hrs	Mon 08/05/23 14:45	Mon 08/05/23 16:15	10330	L Majoo,Electrician1
10332		Check Protection Breakers for open circuit	0.5 hrs	Mon 08/05/23 16:15	Mon 08/05/23 16:45	10331	L Majoo,Electrician1
10333		Service Field Isolator	0.25 hrs	Mon 08/05/23 16:45	Mon 08/05/23 17:00	10332	L Majoo,Electrician1
10334		Test resistance for all coils	0.5 hrs	Mon 08/05/23 17:00	Mon 08/05/23 17:30	10333	L Majoo,Electrician1
10335		Label Controllers, current monitors & rear terminals	2 hrs	Mon 08/05/23 17:30	Tue 09/05/23 08:30	10334	L Majoo,Electrician1
10336		Confirm correct Current Monitor settings	0.25 hrs	Tue 09/05/23 08:30	Tue 09/05/23 08:45	10335	L Majoo,Electrician1
10337		Confirm correct protection settings	0.25 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:00	10336	L Majoo,Electrician1
10338		Clear permit	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15	10337	L Majoo,Electrician1
10339	**29C2GN12**	**B2 SECONDARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**9 hrs**	**Tue 09/05/23 09:15**	**Wed 10/05/23 07:45**	**10324**	
10340		Make out permit	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30		Operations
10341		Accept permit	0.25 hrs	Tue 09/05/23 09:30	Tue 09/05/23 09:45	10340	L Majoo,Electrician1
10342		Carry out electrical isolation	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	10341	L Majoo,Electrician1
10343		Check loose connections inside the panel	0.25 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:15	10342	L Majoo,Electrician1
10344		Service panel components & clear dust	1 hr	Tue 09/05/23 10:15	Tue 09/05/23 11:15	10343	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10345		Service field Terminal Box, replace worn Clip-on terminals	1.5 hrs	Tue 09/05/23 11:15	Tue 09/05/23 13:15	10344	L Majoo,Electrician1
10346		Replace worn Butt terminals/Lugs	1.5 hrs	Tue 09/05/23 13:15	Tue 09/05/23 14:45	10345	L Majoo,Electrician1
10347		Check Protection Breakers for open circuit	0.5 hrs	Tue 09/05/23 14:45	Tue 09/05/23 15:15	10346	L Majoo,Electrician1
10348		Service Field Isolator	0.25 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:30	10347	L Majoo,Electrician1
10349		Test resistance for all coils	0.5 hrs	Tue 09/05/23 15:30	Tue 09/05/23 16:00	10348	L Majoo,Electrician1
10350		Label Controllers, current monitors & rear terminals	2 hrs	Tue 09/05/23 16:00	Tue 09/05/23 18:00	10349	L Majoo,Electrician1
10351		Confirm correct Current Monitor settings	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	10350	L Majoo,Electrician1
10352		Confirm correct protection settings	0.25 hrs	Wed 10/05/23 07:15	Wed 10/05/23 07:30	10351	L Majoo,Electrician1
10353		Clear permit	0.25 hrs	Wed 10/05/23 07:30	Wed 10/05/23 07:45	10352	L Majoo,Electrician1
10354	**29C2RH05**	**B1 VIBRATING DISTRIBUTOR - Carry out maintenance**	**11 hrs**	**Thu 04/05/23 22:45**	**Sat 06/05/23 07:30**		
10355		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
10356		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	10355	L Majoo,Electrician1
10357		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	10356	L Majoo,Electrician1
10358		Remove control card	0.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 08:00	10357	L Majoo,Electrician1
10359		Wash and dry card	6 hrs	Fri 05/05/23 08:00	Fri 05/05/23 14:30	10358	L Majoo,Electrician1
10360		Tighten Ash Electrical connections in the panel	0.25 hrs	Fri 05/05/23 14:30	Fri 05/05/23 14:45	10359	L Majoo,Electrician1
10361		Service panel components & Clear dust	0.25 hrs	Fri 05/05/23 14:45	Fri 05/05/23 15:00	10360	L Majoo,Electrician1
10362		Service Field Isolator	0.25 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:15	10361	L Majoo,Electrician1
10363		Check Coil supply cables for damage	0.25 hrs	Fri 05/05/23 15:15	Fri 05/05/23 15:30	10362	L Majoo,Electrician1
10364		Clear dust inside Armature assembly	0.25 hrs	Fri 05/05/23 15:30	Fri 05/05/23 15:45	10363	L Majoo,Electrician1
10365		Set gap between Coil and armature core	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00	10364	L Majoo,Electrician1
10366		Install card	0.5 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:30	10365	L Majoo,Electrician1
10367		Ensure all adjusting screws are functional	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	10366	L Majoo,Electrician1
10368		Tighten Coil mounting screw	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	10367	L Majoo,Electrician1
10369		Seal amateur openings	0.5 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:30	10368	L Majoo,Electrician1
10370		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 17:30	Fri 05/05/23 17:45	10369	L Majoo,Electrician1
10371		Clear permit	0.25 hrs	Fri 05/05/23 17:45	Fri 05/05/23 18:00	10370	L Majoo,Electrician1
10372		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	10371	L Majoo,Electrician1
10373		Clear permit	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	10372	L Majoo,Electrician1
10374	**29C2RH06**	**B2 VIBRATING DISTRIBUTOR - Carry out maintenance**	**11.25 hrs**	**Sat 06/05/23 07:30**	**Sun 07/05/23 08:15**	**10354**	
10375		Make out permit	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45		Operations
10376		Accept permit	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	10375	L Majoo,Electrician1
10377		Carry out electrical isolation	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	10376	L Majoo,Electrician1
10378		Remove control card	0.5 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:45	10377	L Majoo,Electrician1
10379		Wash and dry card	6 hrs	Sat 06/05/23 08:45	Sat 06/05/23 15:15	10378	L Majoo,Electrician1
10380		Tighten Ash Electrical connections in the panel	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	10379	L Majoo,Electrician1
10381		Service panel components & Clear dust	0.25 hrs	Sat 06/05/23 15:30	Sat 06/05/23 15:45	10380	L Majoo,Electrician1
10382		Service Field Isolator	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00	10381	L Majoo,Electrician1
10383		Check Coil supply cables for damage	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	10382	L Majoo,Electrician1
10384		Clear dust inside Armature assembly	0.25 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:30	10383	L Majoo,Electrician1
10385		Set gap between Coil and armature core	0.25 hrs	Sat 06/05/23 16:30	Sat 06/05/23 16:45	10384	L Majoo,Electrician1
10386		Install card	0.5 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:15	10385	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10387		Ensure all adjusting screws are functional	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	10386	L Majoo,Electrician1
10388		Tighten Coil mounting screw	0.25 hrs	Sat 06/05/23 17:30	Sat 06/05/23 17:45	10387	L Majoo,Electrician1
10389		Seal amateur openings	0.5 hrs	Sat 06/05/23 17:45	Sun 07/05/23 07:15	10388	L Majoo,Electrician1
10390		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	10389	L Majoo,Electrician1
10391		Clear permit	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	10390	L Majoo,Electrician1
10392		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	10391	L Majoo,Electrician1
10393		Clear permit	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15	10392	L Majoo,Electrician1
10394	**29C2RH07**	**B3 VIBRATING DISTRIBUTOR - Carry out maintenance**	**11.25 hrs**	**Sun 07/05/23 08:15**	**Mon 08/05/23 09:00**	**10374**	
10395		Make out permit	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30		Operations
10396		Accept permit	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	10395	L Majoo,Electrician1
10397		Carry out electrical isolation	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	10396	L Majoo,Electrician1
10398		Remove control card	0.5 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:30	10397	L Majoo,Electrician1
10399		Wash and dry card	6 hrs	Sun 07/05/23 09:30	Sun 07/05/23 16:00	10398	L Majoo,Electrician1
10400		Tighten Ash Electrical connections in the panel	0.25 hrs	Sun 07/05/23 16:00	Sun 07/05/23 16:15	10399	L Majoo,Electrician1
10401		Service panel components & Clear dust	0.25 hrs	Sun 07/05/23 16:15	Sun 07/05/23 16:30	10400	L Majoo,Electrician1
10402		Service Field Isolator	0.25 hrs	Sun 07/05/23 16:30	Sun 07/05/23 16:45	10401	L Majoo,Electrician1
10403		Check Coil supply cables for damage	0.25 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:00	10402	L Majoo,Electrician1
10404		Clear dust inside Armature assembly	0.25 hrs	Sun 07/05/23 17:00	Sun 07/05/23 17:15	10403	L Majoo,Electrician1
10405		Set gap between Coil and armature core	0.25 hrs	Sun 07/05/23 17:15	Sun 07/05/23 17:30	10404	L Majoo,Electrician1
10406		Install card	0.5 hrs	Sun 07/05/23 17:30	Sun 07/05/23 18:00	10405	L Majoo,Electrician1
10407		Ensure all adjusting screws are functional	0.25 hrs	Mon 08/05/23 07:00	Mon 08/05/23 07:15	10406	L Majoo,Electrician1
10408		Tighten Coil mounting screw	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30	10407	L Majoo,Electrician1
10409		Seal amateur openings	0.5 hrs	Mon 08/05/23 07:30	Mon 08/05/23 08:00	10408	L Majoo,Electrician1
10410		Confirm correct protection settings	0.25 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:15	10409	L Majoo,Electrician1
10411		Clear permit	0.25 hrs	Mon 08/05/23 08:15	Mon 08/05/23 08:30	10410	L Majoo,Electrician1
10412		Confirm correct protection settings	0.25 hrs	Mon 08/05/23 08:30	Mon 08/05/23 08:45	10411	L Majoo,Electrician1
10413		Clear permit	0.25 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:00	10412	L Majoo,Electrician1
10414	**29C2RH08**	**B4 VIBRATING DISTRIBUTOR - Carry out maintenance**	**11.25 hrs**	**Mon 08/05/23 09:00**	**Tue 09/05/23 09:45**	**10394**	
10415		Make out permit	0.25 hrs	Mon 08/05/23 09:00	Mon 08/05/23 09:15		Operations
10416		Accept permit	0.25 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:30	10415	L Majoo,Electrician1
10417		Carry out electrical isolation	0.25 hrs	Mon 08/05/23 09:30	Mon 08/05/23 09:45	10416	L Majoo,Electrician1
10418		Remove control card	0.5 hrs	Mon 08/05/23 09:45	Mon 08/05/23 10:15	10417	L Majoo,Electrician1
10419		Wash and dry card	6 hrs	Mon 08/05/23 10:15	Mon 08/05/23 16:45	10418	L Majoo,Electrician1
10420		Tighten Ash Electrical connections in the panel	0.25 hrs	Mon 08/05/23 16:45	Mon 08/05/23 17:00	10419	L Majoo,Electrician1
10421		Service panel components & Clear dust	0.25 hrs	Mon 08/05/23 17:00	Mon 08/05/23 17:15	10420	L Majoo,Electrician1
10422		Service Field Isolator	0.25 hrs	Mon 08/05/23 17:15	Mon 08/05/23 17:30	10421	L Majoo,Electrician1
10423		Check Coil supply cables for damage	0.25 hrs	Mon 08/05/23 17:30	Mon 08/05/23 17:45	10422	L Majoo,Electrician1
10424		Clear dust inside Armature assembly	0.25 hrs	Mon 08/05/23 17:45	Mon 08/05/23 18:00	10423	L Majoo,Electrician1
10425		Set gap between Coil and armature core	0.25 hrs	Tue 09/05/23 07:00	Tue 09/05/23 07:15	10424	L Majoo,Electrician1
10426		Install card	0.5 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:45	10425	L Majoo,Electrician1
10427		Ensure all adjusting screws are functional	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	10426	L Majoo,Electrician1
10428		Tighten Coil mounting screw	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	10427	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10429		Seal amateur openings	0.5 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:45	10428	L Majoo,Electrician1
10430		Confirm correct protection settings	0.25 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:00	10429	L Majoo,Electrician1
10431		Clear permit	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15	10430	L Majoo,Electrician1
10432		Confirm correct protection settings	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30	10431	L Majoo,Electrician1
10433		Clear permit	0.25 hrs	Tue 09/05/23 09:30	Tue 09/05/23 09:45	10432	L Majoo,Electrician1
10434	**29C2RF09**	**B1 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**19.75 hrs**	**Thu 04/05/23 22:45**	**Sat 06/05/23 16:45**		
10435		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
10436		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	10435	L Majoo,Electrician1
10437		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	10436	L Majoo,Electrician1
10438		Disconnect and remove motor and send for repairs	2 hrs	Fri 05/05/23 07:30	Fri 05/05/23 09:30	10437	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10439		Check loose connections in the panel	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	10438	L Majoo,Electrician1
10440		Service panel components & Clear dust	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	10439	L Majoo,Electrician1
10441		Service Field isolator	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	10440	L Majoo,Electrician1
10442		Replace geared unit	12 hrs	Fri 05/05/23 10:15	Sat 06/05/23 11:45	10441	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10443		Connect motor	2 hrs	Sat 06/05/23 11:45	Sat 06/05/23 14:15	10442	L Majoo,Electrician1
10444		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	10443	L Majoo,Electrician1
10445		Service safe start circuit	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	10444	L Majoo,Electrician1
10446		Replace safe start siren	1 hr	Sat 06/05/23 14:45	Sat 06/05/23 15:45	10445	L Majoo,Electrician1
10447		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00	10446	L Majoo,Electrician1
10448		Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	10447	L Majoo,Electrician1
10449		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:30	10448	L Majoo,Electrician1
10450		Clear permit	0.25 hrs	Sat 06/05/23 16:30	Sat 06/05/23 16:45	10449	L Majoo,Electrician1
10451	**29C2RF10**	**B2 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**20 hrs**	**Sat 06/05/23 16:45**	**Mon 08/05/23 15:45**	**10434**	
10452		Make out permit	0.25 hrs	Sat 06/05/23 16:45	Sat 06/05/23 17:00		Operations
10453		Accept permit	0.25 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:15	10452	L Majoo,Electrician1
10454		Carry out electrical isolation	0.25 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:30	10453	L Majoo,Electrician1
10455		Disconnect and remove motor and send for repairs	2 hrs	Sat 06/05/23 17:30	Sun 07/05/23 08:30	10454	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10456		Check loose connections in the panel	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	10455	L Majoo,Electrician1
10457		Service panel components & Clear dust	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	10456	L Majoo,Electrician1
10458		Replace Field isolator	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	10457	L Majoo,Electrician1
10459		Replace geared unit	12 hrs	Sun 07/05/23 09:15	Mon 08/05/23 10:45	10458	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10460		Connect motor	2 hrs	Mon 08/05/23 10:45	Mon 08/05/23 13:15	10459	L Majoo,Electrician1
10461		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Mon 08/05/23 13:15	Mon 08/05/23 13:30	10460	L Majoo,Electrician1
10462		Service safe start circuit	0.25 hrs	Mon 08/05/23 13:30	Mon 08/05/23 13:45	10461	L Majoo,Electrician1
10463		Replace safe start siren	1 hr	Mon 08/05/23 13:45	Mon 08/05/23 14:45	10462	L Majoo,Electrician1
10464		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 08/05/23 14:45	Mon 08/05/23 15:00	10463	L Majoo,Electrician1
10465		Seal for Moisture and dust.	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	10464	L Majoo,Electrician1
10466		Confirm correct protection settings	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30	10465	L Majoo,Electrician1
10467		Clear permit	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	10466	L Majoo,Electrician1
10468	**29C2RF11**	**B3 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**20 hrs**	**Mon 08/05/23 15:45**	**Wed 10/05/23 14:45**	**10451**	
10469		Make out permit	0.25 hrs	Mon 08/05/23 15:45	Mon 08/05/23 16:00		Operations
10470		Accept permit	0.25 hrs	Mon 08/05/23 16:00	Mon 08/05/23 16:15	10469	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10471		Carry out electrical isolation	0.25 hrs	Mon 08/05/23 16:15	Mon 08/05/23 16:30	10470	L Majoo,Electrician1
10472		Disconnect and remove motor and send for repairs	2 hrs	Mon 08/05/23 16:30	Tue 09/05/23 07:30	10471	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10473		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	10472	L Majoo,Electrician1
10474		Service panel components & Clear dust	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00	10473	L Majoo,Electrician1
10475		Service Field isolator	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	10474	L Majoo,Electrician1
10476		Replace geared unit	12 hrs	Tue 09/05/23 08:15	Wed 10/05/23 09:45	10475	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10477		Connect motor	2 hrs	Wed 10/05/23 09:45	Wed 10/05/23 11:45	10476	L Majoo,Electrician1
10478		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Wed 10/05/23 11:45	Wed 10/05/23 12:00	10477	L Majoo,Electrician1
10479		Service safe start circuit	0.25 hrs	Wed 10/05/23 12:30	Wed 10/05/23 12:45	10478	L Majoo,Electrician1
10480		Replace safe start siren	1 hr	Wed 10/05/23 12:45	Wed 10/05/23 13:45	10479	L Majoo,Electrician1
10481		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:00	10480	L Majoo,Electrician1
10482		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:15	10481	L Majoo,Electrician1
10483		Confirm correct protection settings	0.25 hrs	Wed 10/05/23 14:15	Wed 10/05/23 14:30	10482	L Majoo,Electrician1
10484		Clear permit	0.25 hrs	Wed 10/05/23 14:30	Wed 10/05/23 14:45	10483	L Majoo,Electrician1
10485	**29C2RF12**	**B4 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**20 hrs**	**Wed 10/05/23 14:45**	**Fri 12/05/23 13:45**	**10468**	
10486		Make out permit	0.25 hrs	Wed 10/05/23 14:45	Wed 10/05/23 15:00		Operations
10487		Accept permit	0.25 hrs	Wed 10/05/23 15:00	Wed 10/05/23 15:15	10486	L Majoo,Electrician1
10488		Carry out electrical isolation	0.25 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:30	10487	L Majoo,Electrician1
10489		Disconnect and remove motor and send for repairs	2 hrs	Wed 10/05/23 15:30	Wed 10/05/23 17:30	10488	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10490		Check loose connections in the panel	0.25 hrs	Wed 10/05/23 17:30	Wed 10/05/23 17:45	10489	L Majoo,Electrician1
10491		Service panel components & Clear dust	0.25 hrs	Wed 10/05/23 17:45	Wed 10/05/23 18:00	10490	L Majoo,Electrician1
10492		Service Field isolator	0.25 hrs	Thu 11/05/23 07:00	Thu 11/05/23 07:15	10491	L Majoo,Electrician1
10493		Replace geared unit	12 hrs	Thu 11/05/23 07:15	Fri 12/05/23 08:45	10492	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10494		Connect motor	2 hrs	Fri 12/05/23 08:45	Fri 12/05/23 10:45	10493	L Majoo,Electrician1
10495		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	10494	L Majoo,Electrician1
10496		Service safe start circuit	0.25 hrs	Fri 12/05/23 11:00	Fri 12/05/23 11:15	10495	L Majoo,Electrician1
10497		Replace safe start siren	1 hr	Fri 12/05/23 11:15	Fri 12/05/23 12:45	10496	L Majoo,Electrician1
10498		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 12:45	Fri 12/05/23 13:00	10497	L Majoo,Electrician1
10499		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:15	10498	L Majoo,Electrician1
10500		Confirm correct protection settings	0.25 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:30	10499	L Majoo,Electrician1
10501		Clear permit	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45	10500	L Majoo,Electrician1
10502	**29C2RF13**	**B5 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**20 hrs**	**Fri 12/05/23 13:45**	**Sun 14/05/23 12:45**	**10485**	
10503		Make out permit	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00		Operations
10504		Accept permit	0.25 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:15	10503	L Majoo,Electrician1
10505		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30	10504	L Majoo,Electrician1
10506		Disconnect and remove motor and send for repairs	2 hrs	Fri 12/05/23 14:30	Fri 12/05/23 16:30	10505	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10507		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 16:30	Fri 12/05/23 16:45	10506	L Majoo,Electrician1
10508		Service panel components & Clear dust	0.25 hrs	Fri 12/05/23 16:45	Fri 12/05/23 17:00	10507	L Majoo,Electrician1
10509		Service Field isolator	0.25 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:15	10508	L Majoo,Electrician1
10510		Replace geared unit	12 hrs	Fri 12/05/23 17:15	Sun 14/05/23 07:45	10509	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10511		Connect motor	2 hrs	Sun 14/05/23 07:45	Sun 14/05/23 09:45	10510	L Majoo,Electrician1
10512		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sun 14/05/23 09:45	Sun 14/05/23 10:00	10511	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10513		Service safe start circuit	0.25 hrs	Sun 14/05/23 10:00	Sun 14/05/23 10:15	10512	L Majoo,Electrician1
10514		Replace safe start siren	1 hr	Sun 14/05/23 10:15	Sun 14/05/23 11:15	10513	L Majoo,Electrician1
10515		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:30	10514	L Majoo,Electrician1
10516		Seal for Moisture and dust.	0.25 hrs	Sun 14/05/23 11:30	Sun 14/05/23 11:45	10515	L Majoo,Electrician1
10517		Confirm correct protection settings	0.25 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:00	10516	L Majoo,Electrician1
10518		Clear permit	0.25 hrs	Sun 14/05/23 12:30	Sun 14/05/23 12:45	10517	L Majoo,Electrician1
10519	**29C2RF14**	**B6 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**54.75 hrs**	**Thu 04/05/23 22:45**	**Wed 10/05/23 09:15**		
10520		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
10521		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	10520	L Majoo,Electrician1
10522		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	10521	L Majoo,Electrician1
10523		Disconnect, remove motor and send for repairs	48 hrs	Fri 05/05/23 07:30	Tue 09/05/23 14:00	10522	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10524		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 14:00	Tue 09/05/23 14:15	10523	L Majoo,Electrician1
10525		Service panel components & Clear dust	0.25 hrs	Tue 09/05/23 14:15	Tue 09/05/23 14:30	10524	L Majoo,Electrician1
10526		Service Field isolator	0.25 hrs	Tue 09/05/23 14:30	Tue 09/05/23 14:45	10525	L Majoo,Electrician1
10527		Install motor	1 hr	Tue 09/05/23 14:45	Tue 09/05/23 15:45	10526	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10528		Connect motor	2 hrs	Tue 09/05/23 15:45	Tue 09/05/23 17:45	10527	L Majoo,Electrician1
10529		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Tue 09/05/23 17:45	Tue 09/05/23 18:00	10528	L Majoo,Electrician1
10530		Service safe start circuit	0.25 hrs	Wed 10/05/23 07:00	Wed 10/05/23 07:15	10529	L Majoo,Electrician1
10531		Replace safe start siren	1 hr	Wed 10/05/23 07:15	Wed 10/05/23 08:15	10530	L Majoo,Electrician1
10532		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 10/05/23 08:15	Wed 10/05/23 08:30	10531	L Majoo,Electrician1
10533		Seal for Moisture and dust.	0.25 hrs	Wed 10/05/23 08:30	Wed 10/05/23 08:45	10532	L Majoo,Electrician1
10534		Confirm correct protection settings	0.25 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:00	10533	L Majoo,Electrician1
10535		Clear permit	0.25 hrs	Wed 10/05/23 09:00	Wed 10/05/23 09:15	10534	L Majoo,Electrician1
10536	**29C2RF15**	**B7 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**19.75 hrs**	**Thu 04/05/23 22:45**	**Sat 06/05/23 16:45**		
10537		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
10538		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	10537	L Majoo,Electrician1
10539		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	10538	L Majoo,Electrician1
10540		Disconnect and remove motor and send for repairs	2 hrs	Fri 05/05/23 07:30	Fri 05/05/23 09:30	10539	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10541		Check loose connections in the panel	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	10540	L Majoo,Electrician1
10542		Service panel components & Clear dust	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	10541	L Majoo,Electrician1
10543		Service Field isolator	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	10542	L Majoo,Electrician1
10544		Replace geared unit	12 hrs	Fri 05/05/23 10:15	Sat 06/05/23 11:45	10543	B Thuso,L Nakedi,S Tlou,G Moeseraela,
10545		Connect motor	2 hrs	Sat 06/05/23 11:45	Sat 06/05/23 14:15	10544	L Majoo,Electrician1
10546		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	10545	L Majoo,Electrician1
10547		Service safe start circuit	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	10546	L Majoo,Electrician1
10548		Replace safe start siren	1 hr	Sat 06/05/23 14:45	Sat 06/05/23 15:45	10547	L Majoo,Electrician1
10549		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:00	10548	L Majoo,Electrician1
10550		Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	10549	L Majoo,Electrician1
10551		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 16:15	Sat 06/05/23 16:30	10550	L Majoo,Electrician1
10552		Clear permit	0.25 hrs	Sat 06/05/23 16:30	Sat 06/05/23 16:45	10551	L Majoo,Electrician1
10553	**29C2GP02**	**B COMPACTOR TRANSFER SCREW - Carry out maintenance on electrical components**	**3.5 hrs**	**Fri 05/05/23 07:00**	**Fri 05/05/23 10:30**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10554		Make out permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15		L Majoo,Electrician1
10555		Accept permit	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	10554	L Majoo,Electrician1
10556		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	10555	L Majoo,Electrician1
10557		Check loose connections in the panel	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	10556	L Majoo,Electrician1
10558		Check Contactor contacts/soft starter connetions	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	10557	L Majoo,Electrician1
10559		Confirm correct setting of protections	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30	10558	L Majoo,Electrician1
10560		Service Stop/start	0.5 hrs	Fri 05/05/23 08:30	Fri 05/05/23 09:00	10559	L Majoo,Electrician1
10561		Check motor fan condition	0.5 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:30	10560	L Majoo,Electrician1
10562		Check cable terminal leads for over heating	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	10561	L Majoo,Electrician1
10563		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	10562	L Majoo,Electrician1
10564		Seal for Moisture and dust.	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	10563	L Majoo,Electrician1
10565		Clear permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	10564	L Majoo,Electrician1
10566		**INSTRUMENTATION**	**55 hrs**	**Thu 04/05/23 22:45**	**Wed 10/05/23 09:30**	**8951**	
10567	**29C6F231**	**# B COMPACTOR LUBE OIL SYSTEM - Inspect the system**	**17.5 hrs**	**Thu 04/05/23 22:45**	**Sat 06/05/23 14:30**		
10568		Make out permit	0.25 hrs	Thu 04/05/23 22:45	Thu 04/05/23 23:00		Operations
10569		Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	10568	O Jacob,K Dijeng
10570		Disconnect Inst (Comp)ruments	1 hr	Fri 05/05/23 07:15	Fri 05/05/23 08:15	10569	O Jacob,K Dijeng
10571		Clean flow sensors	2 hrs	Fri 05/05/23 08:15	Fri 05/05/23 10:15	10570	O Jacob,K Dijeng
10572		Inspect level switch	2 hrs	Fri 05/05/23 10:15	Fri 05/05/23 12:45	10571	O Jacob,K Dijeng
10573		Inspect temperature probe	12 hrs	Fri 05/05/23 12:45	Sat 06/05/23 14:15	10572	O Jacob,K Dijeng
10574		Clear permit	0.25 hrs	Sat 06/05/23 14:15	Sat 06/05/23 14:30	10573	O Jacob,K Dijeng
10575	**29C2PF02**	**# B HYDRAULIC SYSTEM - inspect charging and dumping system**	**3 hrs**	**Sat 06/05/23 14:30**	**Sat 06/05/23 17:30**	**10567**	
10576		Make out permit	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45		Operations
10577		Accept permit	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	10576	O Jacob,K Dijeng
10578		Inspect Charging system	1 hr	Sat 06/05/23 15:00	Sat 06/05/23 16:00	10577	O Jacob,K Dijeng
10579		Inspect dumping system	1 hr	Sat 06/05/23 16:00	Sat 06/05/23 17:00	10578	O Jacob,K Dijeng
10580		Clear permit	0.5 hrs	Sat 06/05/23 17:00	Sat 06/05/23 17:30	10579	O Jacob,K Dijeng
10581	**29C2PF02**	**# B HYDRAULIC SYSTEM - inspect charging and dumping system**	**3 hrs**	**Sat 06/05/23 17:30**	**Sun 07/05/23 09:30**	**10575**	
10582		Make out permit	0.25 hrs	Sat 06/05/23 17:30	Sat 06/05/23 17:45		Operations
10583		Accept permit	0.25 hrs	Sat 06/05/23 17:45	Sat 06/05/23 18:00	10582	O Jacob,K Dijeng
10584		Inspect Charging system	1 hr	Sun 07/05/23 07:00	Sun 07/05/23 08:00	10583	O Jacob,K Dijeng
10585		Inspect dumping system	1 hr	Sun 07/05/23 08:00	Sun 07/05/23 09:00	10584	O Jacob,K Dijeng
10586		Clear permit	0.5 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:30	10585	O Jacob,K Dijeng
10587	**29C2GF15**	**# B1 FINE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Sun 07/05/23 09:30**	**Sun 07/05/23 15:15**	**10581**	
10588		Make out permit	0.25 hrs	Sun 07/05/23 09:30	Sun 07/05/23 09:45		O Jacob,K Dijeng
10589		Accept permit	0.25 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:00	10588	O Jacob,K Dijeng
10590		Inspect cylinder	1 hr	Sun 07/05/23 10:00	Sun 07/05/23 11:00	10589	O Jacob,K Dijeng
10591		Inspect solenoid valve	1 hr	Sun 07/05/23 11:00	Sun 07/05/23 12:00	10590	O Jacob,K Dijeng
10592		Possible repairs	2 hrs	Sun 07/05/23 12:30	Sun 07/05/23 14:30	10591	O Jacob,K Dijeng
10593		Test and commission	0.5 hrs	Sun 07/05/23 14:30	Sun 07/05/23 15:00	10592	O Jacob,K Dijeng
10594		Clear permit	0.25 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:15	10593	O Jacob,K Dijeng
10595	**29C2GF16**	**# B2 FINE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Sun 07/05/23 15:15**	**Mon 08/05/23 09:30**	**10587**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10596		Make out permit	0.25 hrs	Sun 07/05/23 15:15	Sun 07/05/23 15:30		O Jacob,K Dijeng
10597		Accept permit	0.25 hrs	Sun 07/05/23 15:30	Sun 07/05/23 15:45	10596	O Jacob,K Dijeng
10598		Inspect cylinder	1 hr	Sun 07/05/23 15:45	Sun 07/05/23 16:45	10597	O Jacob,K Dijeng
10599		Inspect solenoid valve	1 hr	Sun 07/05/23 16:45	Sun 07/05/23 17:45	10598	O Jacob,K Dijeng
10600		Possible repairs	2 hrs	Sun 07/05/23 17:45	Mon 08/05/23 08:45	10599	O Jacob,K Dijeng
10601		Test and commission	0.5 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:15	10600	O Jacob,K Dijeng
10602		Clear permit	0.25 hrs	Mon 08/05/23 09:15	Mon 08/05/23 09:30	10601	O Jacob,K Dijeng
10603	**29C2GF11**	**# B1 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Mon 08/05/23 09:30**	**Mon 08/05/23 15:15**	**10595**	
10604		Make out permit	0.25 hrs	Mon 08/05/23 09:30	Mon 08/05/23 09:45		O Jacob,K Dijeng
10605		Accept permit	0.25 hrs	Mon 08/05/23 09:45	Mon 08/05/23 10:00	10604	O Jacob,K Dijeng
10606		Inspect cylinder	1 hr	Mon 08/05/23 10:00	Mon 08/05/23 11:00	10605	O Jacob,K Dijeng
10607		Inspect solenoid valve	1 hr	Mon 08/05/23 11:00	Mon 08/05/23 12:00	10606	O Jacob,K Dijeng
10608		Possible repairs	2 hrs	Mon 08/05/23 12:30	Mon 08/05/23 14:30	10607	O Jacob,K Dijeng
10609		Test and commission	0.5 hrs	Mon 08/05/23 14:30	Mon 08/05/23 15:00	10608	O Jacob,K Dijeng
10610		Clear permit	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	10609	O Jacob,K Dijeng
10611	**29C2GF12**	**# B2 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Mon 08/05/23 15:15**	**Tue 09/05/23 09:30**	**10603**	
10612		Make out permit	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30		O Jacob,K Dijeng
10613		Accept permit	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	10612	O Jacob,K Dijeng
10614		Inspect cylinder	1 hr	Mon 08/05/23 15:45	Mon 08/05/23 16:45	10613	O Jacob,K Dijeng
10615		Inspect solenoid valve	1 hr	Mon 08/05/23 16:45	Mon 08/05/23 17:45	10614	O Jacob,K Dijeng
10616		Possible repairs	2 hrs	Mon 08/05/23 17:45	Tue 09/05/23 08:45	10615	O Jacob,K Dijeng
10617		Test and commission	0.5 hrs	Tue 09/05/23 08:45	Tue 09/05/23 09:15	10616	O Jacob,K Dijeng
10618		Clear permit	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30	10617	O Jacob,K Dijeng
10619	**29C2GF13**	**# B3 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Tue 09/05/23 09:30**	**Tue 09/05/23 15:15**	**10611**	
10620		Make out permit	0.25 hrs	Tue 09/05/23 09:30	Tue 09/05/23 09:45		O Jacob,K Dijeng
10621		Accept permit	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	10620	O Jacob,K Dijeng
10622		Inspect cylinder	1 hr	Tue 09/05/23 10:00	Tue 09/05/23 11:00	10621	O Jacob,K Dijeng
10623		Inspect solenoid valve	1 hr	Tue 09/05/23 11:00	Tue 09/05/23 12:00	10622	O Jacob,K Dijeng
10624		Possible repairs	2 hrs	Tue 09/05/23 12:30	Tue 09/05/23 14:30	10623	O Jacob,K Dijeng
10625		Test and commission	0.5 hrs	Tue 09/05/23 14:30	Tue 09/05/23 15:00	10624	O Jacob,K Dijeng
10626		Clear permit	0.25 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:15	10625	O Jacob,K Dijeng
10627	**29C2GF14**	**# B4 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Tue 09/05/23 15:15**	**Wed 10/05/23 09:30**	**10619**	
10628		Make out permit	0.25 hrs	Tue 09/05/23 15:15	Tue 09/05/23 15:30		O Jacob,K Dijeng
10629		Accept permit	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45	10628	O Jacob,K Dijeng
10630		Inspect cylinder	1 hr	Tue 09/05/23 15:45	Tue 09/05/23 16:45	10629	O Jacob,K Dijeng
10631		Inspect solenoid valve	1 hr	Tue 09/05/23 16:45	Tue 09/05/23 17:45	10630	O Jacob,K Dijeng
10632		Possible repairs	2 hrs	Tue 09/05/23 17:45	Wed 10/05/23 08:45	10631	O Jacob,K Dijeng
10633		Test and commission	0.5 hrs	Wed 10/05/23 08:45	Wed 10/05/23 09:15	10632	O Jacob,K Dijeng
10634		Clear permit	0.25 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:30	10633	O Jacob,K Dijeng
10635		Compaction Maintenance Complete	0 hrs	Mon 22/05/23 11:45	Mon 22/05/23 11:45	7005,8896	
10636	**Area 42A**	**DENSE SODA ASH STORAGE**	**92.25 hrs**	**Fri 12/05/23 08:30**	**Sat 20/05/23 17:15**	**2SS+8 days**	
10637		**OPERATIONS**	**12 hrs**	**Fri 12/05/23 08:30**	**Sat 13/05/23 10:00**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10638		**PLANT STOPPAGE**	**2 hrs**	**Fri 12/05/23 08:30**	**Fri 12/05/23 10:30**	**2**	
10639		Stop plant and flush circuit	2 hrs	Fri 12/05/23 08:30	Fri 12/05/23 10:30		Operations
10640	**42A2RX01**	**#2 SODA ASH BOOM STACKER& TRIPPER CAR - Cleaning**	**11.5 hrs**	**Fri 12/05/23 10:30**	**Fri 12/05/23 22:00**	**10638**	
10641		Make Out Permit	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45		Operations
10642		Accept Permit	0.25 hrs	Fri 12/05/23 10:45	Fri 12/05/23 11:00	10641	Operations
10643		Clean Stacker	11 hrs	Fri 12/05/23 11:00	Fri 12/05/23 22:00	10642	Operations
10644		Clear Permit	0 hrs	Fri 12/05/23 22:00	Fri 12/05/23 22:00	10643	Operations
10645		**SODA ASH WAREHOUSE - Cleaning**	**12 hrs**	**Fri 12/05/23 22:00**	**Sat 13/05/23 10:00**	**10640**	
10646		Cleaning	12 hrs	Fri 12/05/23 22:00	Sat 13/05/23 10:00		Operations
10647		**MAINTENANCE STARTS**	**0 hrs**	**Sat 13/05/23 10:00**	**Sat 13/05/23 10:00**	**10638SS+1**	
10648		Maintenance jobs commence	0 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:00		
10649	**Area 42A**	**MECHANICAL**	**80.25 hrs**	**Sat 13/05/23 10:00**	**Sat 20/05/23 17:15**	**10647**	
10650	**42A2RE01**	**# 1 SODA ASH FEED BELT CONVEYOR - Replace conveyor belt and carry out inspections**	**40.25 hrs**	**Sat 13/05/23 10:00**	**Wed 17/05/23 08:15**		
10651		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15		Operations
10652		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10651	B Thuso,L Nakedi,S Tlou
10653		Carry out risk assesment	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	10652	B Thuso,L Nakedi,S Tlou
10654		Run the conveyor and mark all the defective rollers	1 hr	Sat 13/05/23 10:45	Sat 13/05/23 11:45	10653	B Thuso,L Nakedi,S Tlou
10655		Stop and isolate the machine	0.5 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:45	10654	B Thuso,L Nakedi,S Tlou
10656		Lift the counterweight to slack the belt and support it	1 hr	Sat 13/05/23 12:45	Sat 13/05/23 13:45	10655	B Thuso,L Nakedi,S Tlou
10657		Replace all the defective rollers with new ones	3 hrs	Sat 13/05/23 13:45	Sat 13/05/23 16:45	10656	B Thuso,L Nakedi,S Tlou
10658		Replace the impact bed with a new one	3 hrs	Sat 13/05/23 16:45	Sun 14/05/23 08:45	10657	B Thuso,L Nakedi,S Tlou
10659		Check the ploughs and scrapers,then replace if necessary	0.5 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:15	10658	B Thuso,L Nakedi,S Tlou
10660		Check the self tracking rollers for seizure,exercise or replace	1 hr	Sun 14/05/23 09:15	Sun 14/05/23 10:15	10659	B Thuso,L Nakedi,S Tlou
10661		Remove the guards on the drive side	0.5 hrs	Sun 14/05/23 10:15	Sun 14/05/23 10:45	10660	B Thuso,L Nakedi,S Tlou
10662		Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	1 hr	Sun 14/05/23 10:45	Sun 14/05/23 11:45	10661	B Thuso,L Nakedi,S Tlou
10663		Remove the v belts guard and replace v belts with new belts	0.5 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:45	10662	B Thuso,L Nakedi,S Tlou
10664		Replace all guards	1 hr	Sun 14/05/23 12:45	Sun 14/05/23 13:45	10663	B Thuso,L Nakedi,S Tlou
10665		Remove the guards on tail end	1 hr	Sun 14/05/23 13:45	Sun 14/05/23 14:45	10664	B Thuso,L Nakedi,S Tlou
10666		Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	20 hrs	Sun 14/05/23 14:45	Tue 16/05/23 13:45	10665	B Thuso,L Nakedi,S Tlou
10667		Inspect sheave wheels,lubricate and free the stuck ones	2 hrs	Tue 16/05/23 13:45	Tue 16/05/23 15:45	10666	B Thuso,L Nakedi,S Tlou
10668		Replace the tail end guards	1 hr	Tue 16/05/23 15:45	Tue 16/05/23 16:45	10667	B Thuso,L Nakedi,S Tlou
10669		Drop the counterweight	1 hr	Tue 16/05/23 16:45	Tue 16/05/23 17:45	10668	B Thuso,L Nakedi,S Tlou
10670		Check and adjust or replace skirtings	1 hr	Tue 16/05/23 17:45	Wed 17/05/23 07:45	10669	B Thuso,L Nakedi,S Tlou
10671		Carry out housekeeping	0.25 hrs	Wed 17/05/23 07:45	Wed 17/05/23 08:00	10670	B Thuso,L Nakedi,S Tlou
10672		Clear permit	0.25 hrs	Wed 17/05/23 08:00	Wed 17/05/23 08:15	10671	B Thuso,L Nakedi,S Tlou
10673	**42A2RE01**	**# 1 SODA STORAGE FEED BELT CONVEYOR - Replace conveyor belt and carry out inspections**	**28 hrs**	**Wed 17/05/23 08:15**	**Fri 19/05/23 15:45**	**10650**	
10674		Make out permit	0.25 hrs	Wed 17/05/23 08:15	Wed 17/05/23 08:30		Operations
10675		Accept permit	0.25 hrs	Wed 17/05/23 08:30	Wed 17/05/23 08:45	10674	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10676		Lift counter weigh	1 hr	Wed 17/05/23 08:45	Wed 17/05/23 09:45	10675	B Thuso,L Nakedi,S Tlou
10677		Loosen all bolts	8 hrs	Wed 17/05/23 09:45	Thu 18/05/23 07:15	10676	B Thuso,L Nakedi,S Tlou
10678		Rig out worn out pulley	4 hrs	Thu 18/05/23 07:15	Thu 18/05/23 11:15	10677	B Thuso,L Nakedi,S Tlou
10679		Re lagg the pulleys and allow to cure	8 hrs	Thu 18/05/23 11:15	Fri 19/05/23 08:45	10678	B Thuso,L Nakedi,S Tlou
10680		Reinstall pulley	5 hrs	Fri 19/05/23 08:45	Fri 19/05/23 14:15	10679	B Thuso,L Nakedi,S Tlou
10681		Drop counter weight	1 hr	Fri 19/05/23 14:15	Fri 19/05/23 15:15	10680	B Thuso,L Nakedi,S Tlou
10682		House keeping	0.25 hrs	Fri 19/05/23 15:15	Fri 19/05/23 15:30	10681	B Thuso,L Nakedi,S Tlou
10683		Clear permit	0.25 hrs	Fri 19/05/23 15:30	Fri 19/05/23 15:45	10682	B Thuso,L Nakedi,S Tlou
10684	**42A2RX01**	**# 1 SODA ASH BOOM CONVEYOR - Replace Conveyor& Lag all Worn out Pulleys**	**57.25 hrs**	**Sat 13/05/23 10:00**	**Thu 18/05/23 15:15**		
10685		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15		Operations
10686		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10685	B Thuso,L Nakedi,S Tlou
10687		Carry out risk assement	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	10686	B Thuso,L Nakedi,S Tlou
10688		Lift counter weight to slack conveyor and support it	0.5 hrs	Sat 13/05/23 10:45	Sat 13/05/23 11:15	10687	B Thuso,L Nakedi,S Tlou
10689		Cut old conveyor and join one end to new conveyor using fasteners	0.5 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:45	10688	B Thuso,L Nakedi,S Tlou
10690		Lower all scrappers	0.5 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:45	10689	B Thuso,L Nakedi,S Tlou
10691		Pull out old conveyor to install new one during process	2 hrs	Sat 13/05/23 12:45	Sat 13/05/23 14:45	10690	B Thuso,L Nakedi,S Tlou
10692		Separate conveyor after correct length has been pulled in	0.25 hrs	Sat 13/05/23 14:45	Sat 13/05/23 15:00	10691	B Thuso,L Nakedi,S Tlou
10693		Remove idler frame to accommodate splicing machine	0.5 hrs	Sat 13/05/23 15:00	Sat 13/05/23 15:30	10692	B Thuso,L Nakedi,S Tlou
10694		Replace all defecting idlers	1.5 hrs	Sat 13/05/23 15:30	Sat 13/05/23 17:00	10693	B Thuso,L Nakedi,S Tlou
10695		Perform hot splicing	10 hrs	Sat 13/05/23 17:00	Sun 14/05/23 16:30	10694	B Thuso,L Nakedi,S Tlou
10696		Open all plummer blocks	0.5 hrs	Sun 14/05/23 16:30	Sun 14/05/23 17:00	10695	B Thuso,L Nakedi,S Tlou
10697		Clean all grease	18 hrs	Sun 14/05/23 17:00	Tue 16/05/23 14:00	10696	B Thuso,L Nakedi,S Tlou
10698		Drain and flush geared unit oil	3 hrs	Tue 16/05/23 14:00	Tue 16/05/23 17:00	10697	B Thuso,L Nakedi,S Tlou
10699		Inspect bearing and repack with new grease or replace if necessary	1 hr	Tue 16/05/23 17:00	Tue 16/05/23 18:00	10698	B Thuso,L Nakedi,S Tlou
10700		Check all self aligning rollers and exercise or replace if necessary	1 hr	Wed 17/05/23 07:00	Wed 17/05/23 08:00	10699	B Thuso,L Nakedi,S Tlou
10701		Check all pulley laggings and replace if necessary	14 hrs	Wed 17/05/23 08:00	Thu 18/05/23 11:30	10700	B Thuso,L Nakedi,S Tlou
10702		Remove splicing kit when done	0.5 hrs	Thu 18/05/23 11:30	Thu 18/05/23 12:00	10701	B Thuso,L Nakedi,S Tlou
10703		replace troughing idler frames secure	0.5 hrs	Thu 18/05/23 12:30	Thu 18/05/23 13:00	10702	B Thuso,L Nakedi,S Tlou
10704		Lower counter weight to tension belt	0.5 hrs	Thu 18/05/23 13:00	Thu 18/05/23 13:30	10703	B Thuso,L Nakedi,S Tlou
10705		Adjust all scrapper	1 hr	Thu 18/05/23 13:30	Thu 18/05/23 14:30	10704	B Thuso,L Nakedi,S Tlou
10706		Check condition of skirting and replace if necessary	0.5 hrs	Thu 18/05/23 14:30	Thu 18/05/23 15:00	10705	B Thuso,L Nakedi,S Tlou
10707		Clear permit	0.25 hrs	Thu 18/05/23 15:00	Thu 18/05/23 15:15	10706	B Thuso,L Nakedi,S Tlou
10708	**42A2RX01**	**# 1 SODA ASH BOOM STACKER WITH TRIPPER CAR - Service Stacker winch**	**14.25 hrs**	**Sat 13/05/23 10:00**	**Sun 14/05/23 14:15**		
10709		Make Out Permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15		Operations
10710		Accept Permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10709	L Majoo,Electrician1
10711		Service & Install Go Switches	5 hrs	Sat 13/05/23 10:30	Sat 13/05/23 16:00	10710	M Ramatlhakeng,S Monna,L Majoo,Ele
10712		Inspect Rope & Sheaves	2 hrs	Sat 13/05/23 16:00	Sat 13/05/23 18:00	10711	G Moeseraela,T Moloi,K Gabantogele
10713		Open,Inspect And Service Winch	2 hrs	Sun 14/05/23 07:00	Sun 14/05/23 09:00	10712	G Moeseraela,T Moloi,K Gabantogele
10714		Close Winch	4 hrs	Sun 14/05/23 09:00	Sun 14/05/23 13:30	10713	G Moeseraela,T Moloi,K Gabantogele
10715		Commission	0.5 hrs	Sun 14/05/23 13:30	Sun 14/05/23 14:00	10714	L Majoo,Electrician1
10716		Clear Permit	0.25 hrs	Sun 14/05/23 14:00	Sun 14/05/23 14:15	10715	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10717	**42A2RX01**	**# 1 SODA ASH BOOM STACKER & TRIPPER CAR - Service Hydraulic Power Packs & Test If Required**	**14 hrs**	**Sat 13/05/23 10:00**	**Sun 14/05/23 14:00**		
10718		Support Boom prior	0 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:00		G Moeseraela,T Moloi,K Gabantogele
10719		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15	10718	Operations
10720		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10719	B Thuso,L Nakedi,S Tlou
10721		Carry out risk assement	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	10720	B Thuso,L Nakedi,S Tlou
10722		Disconnect motors	1 hr	Sat 13/05/23 10:45	Sat 13/05/23 11:45	10721	B Thuso,L Nakedi,S Tlou
10723		Rig out motors	0.5 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:45	10722	G Moeseraela,T Moloi,K Gabantogele,B
10724		Drain oil	1.5 hrs	Sat 13/05/23 12:45	Sat 13/05/23 14:15	10723	B Thuso,L Nakedi,S Tlou
10725		Disconnect discharge pipe	1 hr	Sat 13/05/23 14:15	Sat 13/05/23 15:15	10724	B Thuso,L Nakedi,S Tlou
10726		Open top cover	0.5 hrs	Sat 13/05/23 15:15	Sat 13/05/23 15:45	10725	B Thuso,L Nakedi,S Tlou
10727		Clean tank	2 hrs	Sat 13/05/23 15:45	Sat 13/05/23 17:45	10726	B Thuso,L Nakedi,S Tlou
10728		Change hydraulic pumps	1.5 hrs	Sat 13/05/23 17:45	Sun 14/05/23 08:15	10727	B Thuso,L Nakedi,S Tlou
10729		Box up	1 hr	Sun 14/05/23 08:15	Sun 14/05/23 09:15	10728	B Thuso,L Nakedi,S Tlou
10730		Mount motors	1 hr	Sun 14/05/23 09:15	Sun 14/05/23 10:15	10729	B Thuso,L Nakedi,S Tlou
10731		Connect motors	1 hr	Sun 14/05/23 10:15	Sun 14/05/23 11:15	10730	B Thuso,L Nakedi,S Tlou
10732		Fill oil	1.5 hrs	Sun 14/05/23 11:15	Sun 14/05/23 13:15	10731	B Thuso,L Nakedi,S Tlou
10733		Housekeeping	0.25 hrs	Sun 14/05/23 13:15	Sun 14/05/23 13:30	10732	B Thuso,L Nakedi,S Tlou
10734		Check direction	0.25 hrs	Sun 14/05/23 13:30	Sun 14/05/23 13:45	10733	B Thuso,L Nakedi,S Tlou
10735		Clear permit	0.25 hrs	Sun 14/05/23 13:45	Sun 14/05/23 14:00	10734	B Thuso,L Nakedi,S Tlou
10736	**42A2RE02**	**# 2 SODA STORAGE FEED BELT CONVEYOR - Carry out Inspection & Maintenance**	**40.25 hrs**	**Sat 13/05/23 10:00**	**Wed 17/05/23 08:15**		
10737		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15		Operations
10738		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10737	B Thuso,L Nakedi,S Tlou
10739		Carry out risk assesment	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	10738	B Thuso,L Nakedi,S Tlou
10740		Run the conveyor and mark all the defective rollers	1 hr	Sat 13/05/23 10:45	Sat 13/05/23 11:45	10739	B Thuso,L Nakedi,S Tlou
10741		Stop and isolate the machine	0.5 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:45	10740	B Thuso,L Nakedi,S Tlou
10742		Lift the counterweight to slack the belt and support it	1 hr	Sat 13/05/23 12:45	Sat 13/05/23 13:45	10741	B Thuso,L Nakedi,S Tlou
10743		Replace all the defective rollers with new ones	3 hrs	Sat 13/05/23 13:45	Sat 13/05/23 16:45	10742	B Thuso,L Nakedi,S Tlou
10744		Replace the impact bed with a new one	3 hrs	Sat 13/05/23 16:45	Sun 14/05/23 08:45	10743	B Thuso,L Nakedi,S Tlou
10745		Check the ploughs and scrapers,then replace if necessary	0.5 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:15	10744	B Thuso,L Nakedi,S Tlou
10746		Check the self tracking rollers for seizure,exercise or replace	1 hr	Sun 14/05/23 09:15	Sun 14/05/23 10:15	10745	B Thuso,L Nakedi,S Tlou
10747		Remove the guards on the drive side	0.5 hrs	Sun 14/05/23 10:15	Sun 14/05/23 10:45	10746	B Thuso,L Nakedi,S Tlou
10748		Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	1 hr	Sun 14/05/23 10:45	Sun 14/05/23 11:45	10747	B Thuso,L Nakedi,S Tlou
10749		Remove the v belts guard and replace v belts with new belts	0.5 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:45	10748	B Thuso,L Nakedi,S Tlou
10750		Replace all guards	1 hr	Sun 14/05/23 12:45	Sun 14/05/23 13:45	10749	B Thuso,L Nakedi,S Tlou
10751		Remove the guards on tail end	1 hr	Sun 14/05/23 13:45	Sun 14/05/23 14:45	10750	B Thuso,L Nakedi,S Tlou
10752		Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	20 hrs	Sun 14/05/23 14:45	Tue 16/05/23 13:45	10751	B Thuso,L Nakedi,S Tlou
10753		Inspect sheave wheels,lubricate and free the stuck ones	2 hrs	Tue 16/05/23 13:45	Tue 16/05/23 15:45	10752	B Thuso,L Nakedi,S Tlou
10754		Replace the tail end guards	1 hr	Tue 16/05/23 15:45	Tue 16/05/23 16:45	10753	B Thuso,L Nakedi,S Tlou
10755		Drop the counterweight	1 hr	Tue 16/05/23 16:45	Tue 16/05/23 17:45	10754	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10756		Check and adjust or replace skirtings	1 hr	Tue 16/05/23 17:45	Wed 17/05/23 07:45	10755	B Thuso,L Nakedi,S Tlou
10757		Carry out housekeeping	0.25 hrs	Wed 17/05/23 07:45	Wed 17/05/23 08:00	10756	B Thuso,L Nakedi,S Tlou
10758		Clear permit	0.25 hrs	Wed 17/05/23 08:00	Wed 17/05/23 08:15	10757	B Thuso,L Nakedi,S Tlou
10759	**42A2RE02**	**COUNTER WEIGHTS WINCHES - Open,Inspect And Service**	**9.75 hrs**	**Sat 13/05/23 10:00**	**Sun 14/05/23 09:15**		
10760		Make Out Permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15		Operations
10761		Accept Permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10760	G Moeseraela,T Moloi,K Gabantogele
10762		Open The Winch	3 hrs	Sat 13/05/23 10:30	Sat 13/05/23 14:00	10761	G Moeseraela,T Moloi,K Gabantogele
10763		Inspect And Service	2 hrs	Sat 13/05/23 14:00	Sat 13/05/23 16:00	10762	G Moeseraela,T Moloi,K Gabantogele
10764		Lubricate	1 hr	Sat 13/05/23 16:00	Sat 13/05/23 17:00	10763	G Moeseraela,T Moloi,K Gabantogele
10765		Close Up	3 hrs	Sat 13/05/23 17:00	Sun 14/05/23 09:00	10764	G Moeseraela,T Moloi,K Gabantogele
10766		Clear Permit	0.25 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:15	10765	G Moeseraela,T Moloi,K Gabantogele
10767	**42A2RE02**	**# 2 SODA STORAGE FEED BELT CONVEYOR - Lag All Worn out Pulleys**	**27.75 hrs**	**Wed 17/05/23 08:15**	**Fri 19/05/23 15:30**	**10736**	
10768		Make out permit	0.25 hrs	Wed 17/05/23 08:15	Wed 17/05/23 08:30		Operations
10769		Accept permit	0.25 hrs	Wed 17/05/23 08:30	Wed 17/05/23 08:45	10768	B Thuso,L Nakedi,S Tlou
10770		Lift counter weigh	1 hr	Wed 17/05/23 08:45	Wed 17/05/23 09:45	10769	B Thuso,L Nakedi,S Tlou
10771		Loosen all bolts	8 hrs	Wed 17/05/23 09:45	Thu 18/05/23 07:15	10770	B Thuso,L Nakedi,S Tlou
10772		Rig out worn out pulley	4 hrs	Thu 18/05/23 07:15	Thu 18/05/23 11:15	10771	B Thuso,L Nakedi,S Tlou
10773		Re lagg the pulleys and allow to cure	8 hrs	Thu 18/05/23 11:15	Fri 19/05/23 08:45	10772	B Thuso,L Nakedi,S Tlou
10774		Reinstall pulley	5 hrs	Fri 19/05/23 08:45	Fri 19/05/23 14:15	10773	B Thuso,L Nakedi,S Tlou
10775		Drop counter weight	1 hr	Fri 19/05/23 14:15	Fri 19/05/23 15:15	10774	B Thuso,L Nakedi,S Tlou
10776		House keeping	0.25 hrs	Fri 19/05/23 15:15	Fri 19/05/23 15:30	10775	B Thuso,L Nakedi,S Tlou
10777	**42A2RX02**	**# 2 SODA ASH BOOM STACKER& TRIPPER CAR - Service Hydraulic Power Packs & replace hydrualic cylinder**	**17.75 hrs**	**Sat 13/05/23 10:00**	**Sun 14/05/23 17:45**		
10778		Support Boom prior	0 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:00		G Moeseraela,T Moloi,K Gabantogele
10779		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15	10778	Operations
10780		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10779	B Thuso,L Nakedi,S Tlou
10781		Carry out risk assement	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	10780	B Thuso,L Nakedi,S Tlou
10782		Lower the stacker onto stands	1 hr	Sat 13/05/23 10:45	Sat 13/05/23 11:45	10781	
10783		Disconnect motors	1 hr	Sat 13/05/23 11:45	Sat 13/05/23 13:15	10782	B Thuso,L Nakedi,S Tlou
10784		Rig out motors	0.5 hrs	Sat 13/05/23 13:15	Sat 13/05/23 13:45	10783	G Moeseraela,T Moloi,K Gabantogele,B
10785		Drain oil	1.5 hrs	Sat 13/05/23 13:45	Sat 13/05/23 15:15	10784	B Thuso,L Nakedi,S Tlou
10786		Disconnect discharge pipe	1 hr	Sat 13/05/23 15:15	Sat 13/05/23 16:15	10785	B Thuso,L Nakedi,S Tlou
10787		Open top cover	0.5 hrs	Sat 13/05/23 16:15	Sat 13/05/23 16:45	10786	B Thuso,L Nakedi,S Tlou
10788		Clean tank	2 hrs	Sat 13/05/23 16:45	Sun 14/05/23 07:45	10787	B Thuso,L Nakedi,S Tlou
10789		Replace hydraulic cylinder	2.5 hrs	Sun 14/05/23 07:45	Sun 14/05/23 10:15	10788	
10790		Change hydraulic pumps	1.5 hrs	Sun 14/05/23 10:15	Sun 14/05/23 11:45	10789	B Thuso,L Nakedi,S Tlou
10791		Box up	1 hr	Sun 14/05/23 11:45	Sun 14/05/23 13:15	10790	B Thuso,L Nakedi,S Tlou
10792		Mount motors	1 hr	Sun 14/05/23 13:15	Sun 14/05/23 14:15	10791	B Thuso,L Nakedi,S Tlou
10793		Connect motors	1 hr	Sun 14/05/23 14:15	Sun 14/05/23 15:15	10792	B Thuso,L Nakedi,S Tlou
10794		Fill oil	1.5 hrs	Sun 14/05/23 15:15	Sun 14/05/23 16:45	10793	B Thuso,L Nakedi,S Tlou
10795		Housekeeping	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	10794	B Thuso,L Nakedi,S Tlou
10796		Check direction	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	10795	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10797		Clear permit	0.25 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:30	10796	B Thuso,L Nakedi,S Tlou
10798		Clear test run permit	0.25 hrs	Sun 14/05/23 17:30	Sun 14/05/23 17:45	10797	B Thuso,L Nakedi,S Tlou
10799	**42A2RX02**	**# 1 SODA ASH BOOM CONVEYOR - Inspect Conveyor& Lag all Worn out Pulleys**	**22.5 hrs**	**Sat 13/05/23 10:00**	**Mon 15/05/23 11:30**		
10800		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15		Operations
10801		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10800	B Thuso,L Nakedi,S Tlou
10802		Carry out risk assesment	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	10801	B Thuso,L Nakedi,S Tlou
10803		Run the conveyor and mark all the defective rollers	1 hr	Sat 13/05/23 10:45	Sat 13/05/23 11:45	10802	B Thuso,L Nakedi,S Tlou
10804		Stop and isolate the machine	0.5 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:45	10803	B Thuso,L Nakedi,S Tlou
10805		Lift the counterweight to slack the belt and support it	1 hr	Sat 13/05/23 12:45	Sat 13/05/23 13:45	10804	B Thuso,L Nakedi,S Tlou
10806		Replace all the defective rollers with new ones	3 hrs	Sat 13/05/23 13:45	Sat 13/05/23 16:45	10805	B Thuso,L Nakedi,S Tlou
10807		Check lagging on all the pulleys and replace if necessary	1 hr	Sat 13/05/23 16:45	Sat 13/05/23 17:45	10806	B Thuso,L Nakedi,S Tlou
10808		Replace the impact bed with a new one	3 hrs	Sat 13/05/23 17:45	Sun 14/05/23 09:45	10807	B Thuso,L Nakedi,S Tlou
10809		Check the ploughs and scrapers,then replace if necessary	0.5 hrs	Sun 14/05/23 09:45	Sun 14/05/23 10:15	10808	B Thuso,L Nakedi,S Tlou
10810		Check the self tracking rollers for seizure,exercise or replace	1 hr	Sun 14/05/23 10:15	Sun 14/05/23 11:15	10809	B Thuso,L Nakedi,S Tlou
10811		Remove the guards on the drive side	0.5 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:45	10810	B Thuso,L Nakedi,S Tlou
10812		Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	1 hr	Sun 14/05/23 11:45	Sun 14/05/23 13:15	10811	B Thuso,L Nakedi,S Tlou
10813		Remove the v belts guard and replace v belts with new belts	0.5 hrs	Sun 14/05/23 13:15	Sun 14/05/23 13:45	10812	B Thuso,L Nakedi,S Tlou
10814		Replace all guards	1 hr	Sun 14/05/23 13:45	Sun 14/05/23 14:45	10813	B Thuso,L Nakedi,S Tlou
10815		Remove the guards on tail end	1 hr	Sun 14/05/23 14:45	Sun 14/05/23 15:45	10814	B Thuso,L Nakedi,S Tlou
10816		Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	1 hr	Sun 14/05/23 15:45	Sun 14/05/23 16:45	10815	B Thuso,L Nakedi,S Tlou
10817		Inspect sheave wheels,lubricate and free the stuck ones	2 hrs	Sun 14/05/23 16:45	Mon 15/05/23 07:45	10816	B Thuso,L Nakedi,S Tlou
10818		Replace the tail end guards	1 hr	Mon 15/05/23 07:45	Mon 15/05/23 08:45	10817	B Thuso,L Nakedi,S Tlou
10819		Drop the counterweight	1 hr	Mon 15/05/23 08:45	Mon 15/05/23 09:45	10818	B Thuso,L Nakedi,S Tlou
10820		Check and adjust or replace skirtings	1 hr	Mon 15/05/23 09:45	Mon 15/05/23 10:45	10819	B Thuso,L Nakedi,S Tlou
10821		Carry out housekeeping	0.25 hrs	Mon 15/05/23 10:45	Mon 15/05/23 11:00	10820	B Thuso,L Nakedi,S Tlou
10822		Sign off permit	0.25 hrs	Mon 15/05/23 11:00	Mon 15/05/23 11:15	10821	B Thuso,L Nakedi,S Tlou
10823		Clear permit	0.25 hrs	Mon 15/05/23 11:15	Mon 15/05/23 11:30	10822	B Thuso,L Nakedi,S Tlou
10824	**42A2RM01**	**PORTABLE SCRAPER RECLAIMER - Chain replacement, inspection& maintenance**	**80.25 hrs**	**Sat 13/05/23 10:00**	**Sat 20/05/23 17:15**		
10825		Support reclaimer boom prior	0 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:00		
10826		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15	10825	Operations
10827		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10826	B Thuso,L Nakedi,S Tlou
10828		Remove old chain and scrappers	8 hrs	Sat 13/05/23 10:30	Sun 14/05/23 08:00	10827	B Thuso,L Nakedi,S Tlou
10829		Replace all chain links and rail	24 hrs	Sun 14/05/23 08:00	Tue 16/05/23 11:00	10828	B Thuso,L Nakedi,S Tlou
10830		Remove head pulley and replace bearings	24 hrs	Tue 16/05/23 11:00	Thu 18/05/23 14:30	10829	B Thuso,L Nakedi,S Tlou
10831		Re-install head pulley	3 hrs	Thu 18/05/23 14:30	Thu 18/05/23 17:30	10830	G Moeseraela,T Moloi,K Gabantogele,B
10832		Open swivel mechanism bearing covers	1 hr	Thu 18/05/23 17:30	Fri 19/05/23 07:30	10831	B Thuso,L Nakedi,S Tlou
10833		Inspect bearing	1 hr	Fri 19/05/23 07:30	Fri 19/05/23 08:30	10832	B Thuso,L Nakedi,S Tlou
10834		Repack with fresh grease	0.5 hrs	Fri 19/05/23 08:30	Fri 19/05/23 09:00	10833	B Thuso,L Nakedi,S Tlou
10835		Close bearing covers	1 hr	Fri 19/05/23 09:00	Fri 19/05/23 10:00	10834	B Thuso,L Nakedi,S Tlou
10836		Drain gearbox oil & refill with new one	1 hr	Fri 19/05/23 10:00	Fri 19/05/23 11:00	10835	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10837		Remove coupling guard and inspect fluid drive coupling	1 hr	Fri 19/05/23 11:00	Fri 19/05/23 12:00	10836	B Thuso,L Nakedi,S Tlou
10838		Inspect all drives and sheave wheels	3 hrs	Fri 19/05/23 12:30	Fri 19/05/23 15:30	10837	G Moeseraela,T Moloi,K Gabantogele,B
10839		Inspect cable drum reeling drive	2 hrs	Fri 19/05/23 15:30	Fri 19/05/23 17:30	10838	B Thuso,L Nakedi,S Tlou
10840		Inspect drive on the sub boom	1 hr	Fri 19/05/23 17:30	Sat 20/05/23 07:30	10839	B Thuso,L Nakedi,S Tlou
10841		Inspect scrapers on the sub boom and replace if necessary	5 hrs	Sat 20/05/23 07:30	Sat 20/05/23 13:00	10840	B Thuso,L Nakedi,S Tlou
10842		Inspect the winch and lubricate	2 hrs	Sat 20/05/23 13:00	Sat 20/05/23 15:00	10841	B Thuso,L Nakedi,S Tlou
10843		Check all the sub boom drives	2 hrs	Sat 20/05/23 15:00	Sat 20/05/23 17:00	10842	B Thuso,L Nakedi,S Tlou
10844		Clear permit	0.25 hrs	Sat 20/05/23 17:00	Sat 20/05/23 17:15	10843	B Thuso,L Nakedi,S Tlou
10845	**42A2RE03**	**EXPORT CONVEYOR - Replace conveyor belt and carry out inspections**	**40.25 hrs**	**Sat 13/05/23 10:00**	**Wed 17/05/23 08:15**		
10846		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15		Operations
10847		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10846	B Thuso,L Nakedi,S Tlou
10848		Carry out risk assesment	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	10847	B Thuso,L Nakedi,S Tlou
10849		Run the conveyor and mark all the defective rollers	1 hr	Sat 13/05/23 10:45	Sat 13/05/23 11:45	10848	B Thuso,L Nakedi,S Tlou
10850		Stop and isolate the machine	0.5 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:45	10849	B Thuso,L Nakedi,S Tlou
10851		Lift the counterweight to slack the belt and support it	1 hr	Sat 13/05/23 12:45	Sat 13/05/23 13:45	10850	B Thuso,L Nakedi,S Tlou
10852		Replace all the defective rollers with new ones	3 hrs	Sat 13/05/23 13:45	Sat 13/05/23 16:45	10851	B Thuso,L Nakedi,S Tlou
10853		Replace the impact bed with a new one	3 hrs	Sat 13/05/23 16:45	Sun 14/05/23 08:45	10852	B Thuso,L Nakedi,S Tlou
10854		Check the ploughs and scrapers,then replace if necessary	0.5 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:15	10853	B Thuso,L Nakedi,S Tlou
10855		Check the self tracking rollers for seizure,exercise or replace	1 hr	Sun 14/05/23 09:15	Sun 14/05/23 10:15	10854	B Thuso,L Nakedi,S Tlou
10856		Remove the guards on the drive side	0.5 hrs	Sun 14/05/23 10:15	Sun 14/05/23 10:45	10855	B Thuso,L Nakedi,S Tlou
10857		Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	1 hr	Sun 14/05/23 10:45	Sun 14/05/23 11:45	10856	B Thuso,L Nakedi,S Tlou
10858		Remove the v belts guard and replace v belts with new belts	0.5 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:45	10857	B Thuso,L Nakedi,S Tlou
10859		Replace all guards	1 hr	Sun 14/05/23 12:45	Sun 14/05/23 13:45	10858	B Thuso,L Nakedi,S Tlou
10860		Remove the guards on tail end	1 hr	Sun 14/05/23 13:45	Sun 14/05/23 14:45	10859	B Thuso,L Nakedi,S Tlou
10861		Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	20 hrs	Sun 14/05/23 14:45	Tue 16/05/23 13:45	10860	B Thuso,L Nakedi,S Tlou
10862		Inspect sheave wheels,lubricate and free the stuck ones	2 hrs	Tue 16/05/23 13:45	Tue 16/05/23 15:45	10861	B Thuso,L Nakedi,S Tlou
10863		Replace the tail end guards	1 hr	Tue 16/05/23 15:45	Tue 16/05/23 16:45	10862	B Thuso,L Nakedi,S Tlou
10864		Drop the counterweight	1 hr	Tue 16/05/23 16:45	Tue 16/05/23 17:45	10863	B Thuso,L Nakedi,S Tlou
10865		Check and adjust or replace skirtings	1 hr	Tue 16/05/23 17:45	Wed 17/05/23 07:45	10864	B Thuso,L Nakedi,S Tlou
10866		Carry out housekeeping	0.25 hrs	Wed 17/05/23 07:45	Wed 17/05/23 08:00	10865	B Thuso,L Nakedi,S Tlou
10867		Clear permit	0.25 hrs	Wed 17/05/23 08:00	Wed 17/05/23 08:15	10866	B Thuso,L Nakedi,S Tlou
10868	**42B2RE01**	**SODA ASH FEED BELT CONVEYOR (Transfer) - Splice conveyor and carry out Inspections**	**38.75 hrs**	**Wed 17/05/23 08:15**	**Sat 20/05/23 16:00**		
10869		Make out permit	0.25 hrs	Wed 17/05/23 08:15	Wed 17/05/23 08:30	10867	Operations
10870		Accept permit	0.25 hrs	Wed 17/05/23 08:30	Wed 17/05/23 08:45	10869	B Thuso,L Nakedi,S Tlou
10871		Carry out risk assement	0.25 hrs	Wed 17/05/23 08:45	Wed 17/05/23 09:00	10870	B Thuso,L Nakedi,S Tlou
10872		Lift counter weight to slack conveyor and support it	0.5 hrs	Wed 17/05/23 09:00	Wed 17/05/23 09:30	10871	B Thuso,L Nakedi,S Tlou
10873		Cut old conveyor and join one end to new conveyor using fasteners	0.5 hrs	Wed 17/05/23 09:30	Wed 17/05/23 10:00	10872	B Thuso,L Nakedi,S Tlou
10874		Lower all scrappers	0.5 hrs	Wed 17/05/23 10:00	Wed 17/05/23 10:30	10873	B Thuso,L Nakedi,S Tlou
10875		Pull out old conveyor to install new one during process	2 hrs	Wed 17/05/23 10:30	Wed 17/05/23 13:00	10874	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10876		Separate conveyor after correct length has been pulled in	0.25 hrs	Wed 17/05/23 13:00	Wed 17/05/23 13:15	10875	B Thuso,L Nakedi,S Tlou
10877		Remove idler frame to accommodate splicing machine	0.5 hrs	Wed 17/05/23 13:15	Wed 17/05/23 13:45	10876	B Thuso,L Nakedi,S Tlou
10878		Replace all defective idlers	1.5 hrs	Wed 17/05/23 13:45	Wed 17/05/23 15:15	10877	B Thuso,L Nakedi,S Tlou
10879		Perform hot splicing	10 hrs	Wed 17/05/23 15:15	Thu 18/05/23 14:45	10878	Horizons
10880		Open all plummer blocks	8 hrs	Wed 17/05/23 15:15	Thu 18/05/23 12:45	10879SS	B Thuso,L Nakedi,S Tlou
10881		Clean all grease	8 hrs	Thu 18/05/23 12:45	Fri 19/05/23 09:45	10880	B Thuso,L Nakedi,S Tlou
10882		Inspect bearing and repack with new grease or replace if necessary	8 hrs	Fri 19/05/23 09:45	Sat 20/05/23 07:15	10881	B Thuso,L Nakedi,S Tlou
10883		Remove guard for V-belts	0.5 hrs	Sat 20/05/23 07:15	Sat 20/05/23 07:45	10882	B Thuso,L Nakedi,S Tlou
10884		Slack V-belts and replace with new ones	1 hr	Sat 20/05/23 07:45	Sat 20/05/23 08:45	10883	B Thuso,L Nakedi,S Tlou
10885		Tension to correct force and deflection	0.5 hrs	Sat 20/05/23 08:45	Sat 20/05/23 09:15	10884	B Thuso,L Nakedi,S Tlou
10886		Install V-belt guard	0.5 hrs	Sat 20/05/23 09:15	Sat 20/05/23 09:45	10885	B Thuso,L Nakedi,S Tlou
10887		Check all self aligning rollers and exercise or replace if necessary	1 hr	Sat 20/05/23 09:45	Sat 20/05/23 10:45	10886	B Thuso,L Nakedi,S Tlou
10888		Check all pulley laggings and relag if necessary	18 hrs	Thu 18/05/23 14:45	Sat 20/05/23 11:15	10879	B Thuso,L Nakedi,S Tlou
10889		Remove splicing kit when done	0.5 hrs	Sat 20/05/23 11:15	Sat 20/05/23 11:45	10888	B Thuso,L Nakedi,S Tlou
10890		Install troughing idler frames secure	0.5 hrs	Sat 20/05/23 11:45	Sat 20/05/23 12:45	10889	B Thuso,L Nakedi,S Tlou
10891		Lower counter weight to tension belt	0.5 hrs	Sat 20/05/23 12:45	Sat 20/05/23 13:15	10890	B Thuso,L Nakedi,S Tlou
10892		Adjust all scrapper	1 hr	Sat 20/05/23 13:15	Sat 20/05/23 14:15	10891	B Thuso,L Nakedi,S Tlou
10893		Check condition of skirting and replace if necessary	1 hr	Sat 20/05/23 14:15	Sat 20/05/23 15:15	10892	B Thuso,L Nakedi,S Tlou
10894		House keeping	0.5 hrs	Sat 20/05/23 15:15	Sat 20/05/23 15:45	10893	B Thuso,L Nakedi,S Tlou
10895		Clear permit	0.25 hrs	Sat 20/05/23 15:45	Sat 20/05/23 16:00	10894	B Thuso,L Nakedi,S Tlou
10896		**ELECTRICAL**	**46.5 hrs**	**Sat 13/05/23 10:00**	**Wed 17/05/23 15:00**	**10647**	
10897	**42A2RE01**	**# 1 SODA STORAGE FEED BELT CONVEYOR - Carry out general electrical maintenance**	**9.25 hrs**	**Sat 13/05/23 10:00**	**Sun 14/05/23 08:45**	**10414**	
10898		Make Out Permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15		Operations
10899		Accept Permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	10898	L Majoo,Electrician1
10900		Carry Out Elctrical Isolation	0.5 hrs	Sat 13/05/23 10:30	Sat 13/05/23 11:00	10899	L Majoo,Electrician1
10901		Check Loose Connections In The Panel	0.5 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:30	10900	L Majoo,Electrician1
10902		Check Contactor Contacts	1 hr	Sat 13/05/23 11:30	Sat 13/05/23 13:00	10901	L Majoo,Electrician1
10903		Service Field Isolator	1 hr	Sat 13/05/23 13:00	Sat 13/05/23 14:00	10902	L Majoo,Electrician1
10904		Replace faulty safe start siren and service circuit	1 hr	Sat 13/05/23 14:00	Sat 13/05/23 15:00	10903	L Majoo,Electrician1
10905		Check U/S Sensor Intergrity & Set Gap	1 hr	Sat 13/05/23 15:00	Sat 13/05/23 16:00	10904	L Majoo,Electrician1
10906		Replace underspeed sensor juncion box	1 hr	Sat 13/05/23 16:00	Sat 13/05/23 17:00	10905	L Majoo,Electrician1
10907		Replace worn out trip wire, trip and belt alignment switches	1 hr	Sat 13/05/23 17:00	Sat 13/05/23 18:00	10906	L Majoo,Electrician1
10908		Tighten Motor Connections & Gland Intergrity	0.5 hrs	Sun 14/05/23 07:00	Sun 14/05/23 07:30	10907	L Majoo,Electrician1
10909		Seal For Moisture And Dust	1 hr	Sun 14/05/23 07:30	Sun 14/05/23 08:30	10908	L Majoo,Electrician1
10910		Clear Permit	0.25 hrs	Sun 14/05/23 08:30	Sun 14/05/23 08:45	10909	L Majoo,Electrician1
10911	**42A2RE02**	**#2 SODA STORAGE FEED BELT CONVEYOR - Carry out general electrical maintenance**	**9.25 hrs**	**Sun 14/05/23 08:45**	**Mon 15/05/23 07:30**	**10897**	
10912		Make Out Permit	0.25 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:00		Operations
10913		Accept Permit	0.25 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:15	10912	L Majoo,Electrician1
10914		Carry Out Elctrical Isolation	0.5 hrs	Sun 14/05/23 09:15	Sun 14/05/23 09:45	10913	L Majoo,Electrician1
10915		Check Loose Connections In The Panel	0.5 hrs	Sun 14/05/23 09:45	Sun 14/05/23 10:15	10914	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10916		Check Contactor Contacts	1 hr	Sun 14/05/23 10:15	Sun 14/05/23 11:15	10915	L Majoo,Electrician1
10917		Service Field Isolator	1 hr	Sun 14/05/23 11:15	Sun 14/05/23 12:45	10916	L Majoo,Electrician1
10918		Replace faulty safe start siren and service circuit	1 hr	Sun 14/05/23 12:45	Sun 14/05/23 13:45	10917	L Majoo,Electrician1
10919		Check U/S Sensor Intergrity & Set Gap	1 hr	Sun 14/05/23 13:45	Sun 14/05/23 14:45	10918	L Majoo,Electrician1
10920		Replace underspeed sensor juncion box	1 hr	Sun 14/05/23 14:45	Sun 14/05/23 15:45	10919	L Majoo,Electrician1
10921		Replace worn out trip wire, trip and belt alignment switches	1 hr	Sun 14/05/23 15:45	Sun 14/05/23 16:45	10920	L Majoo,Electrician1
10922		Tighten Motor Connections & Gland Intergrity	0.5 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:15	10921	L Majoo,Electrician1
10923		Seal For Moisture And Dust	1 hr	Sun 14/05/23 17:15	Mon 15/05/23 07:15	10922	L Majoo,Electrician1
10924		Clear Permit	0.25 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:30	10923	L Majoo,Electrician1
10925	**42A2RX01**	**NO.1 SODA ASH BOOM STACKER AND TRIPPER A - Carry out general electrical maintenance**	**19.5 hrs**	**Mon 15/05/23 07:30**	**Tue 16/05/23 17:00**	**10911**	
10926		Traverse stacker to maintenance bay	0.5 hrs	Mon 15/05/23 07:30	Mon 15/05/23 08:00		Operations
10927		Lower the boom and support it	1 hr	Mon 15/05/23 08:00	Mon 15/05/23 09:00	10926	G Moeseraela,T Moloi
10928		Make out permit	0.25 hrs	Mon 15/05/23 09:00	Mon 15/05/23 09:15	10927	L Majoo,Electrician1
10929		Accept permit	0.25 hrs	Mon 15/05/23 09:15	Mon 15/05/23 09:30	10928	L Majoo,Electrician1
10930		Carry out electrical isolation	0.25 hrs	Mon 15/05/23 09:30	Mon 15/05/23 09:45	10929	L Majoo,Electrician1
10931		Vacuum clean ash dust from panel	1 hr	Mon 15/05/23 09:45	Mon 15/05/23 10:45	10930	L Majoo,Electrician1
10932		Disconnect stacker power supply cable	1.5 hrs	Mon 15/05/23 10:45	Mon 15/05/23 12:45	10931	L Majoo,Electrician1
10933		Replace damaged cable guide	3 hrs	Mon 15/05/23 12:45	Mon 15/05/23 15:45	10932	M Ramatlhakeng,S Monna,L Majoo,Ele
10934		Connect stacker power supply cable	2 hrs	Mon 15/05/23 15:45	Mon 15/05/23 17:45	10933	L Majoo,Electrician1
10935		Connect stacker earth conductors	1.5 hrs	Mon 15/05/23 17:45	Tue 16/05/23 08:15	10934	L Majoo,Electrician1
10936		Check loose connections in the panel	0.25 hrs	Tue 16/05/23 08:15	Tue 16/05/23 08:30	10935	L Majoo,Electrician1
10937		Replace 24V relays	1 hr	Tue 16/05/23 08:30	Tue 16/05/23 09:30	10936	L Majoo,Electrician1
10938		Check Contactor contacts connetions	0.25 hrs	Tue 16/05/23 09:30	Tue 16/05/23 09:45	10937	L Majoo,Electrician1
10939		Confirm correct setting of protections	0.25 hrs	Tue 16/05/23 09:45	Tue 16/05/23 10:00	10938	L Majoo,Electrician1
10940		Check operationof sirens, warning alarms and beacon lights	0.5 hrs	Tue 16/05/23 10:00	Tue 16/05/23 10:30	10939	L Majoo,Electrician1
10941		Check loose connection and condition of trip, alignment switches	0.5 hrs	Tue 16/05/23 10:30	Tue 16/05/23 11:00	10940	L Majoo,Electrician1
10942		Check and replace worn out trip wires	0.5 hrs	Tue 16/05/23 11:00	Tue 16/05/23 11:30	10941	L Majoo,Electrician1
10943		Service pile high, lower and upper limit go switches	1 hr	Tue 16/05/23 11:30	Tue 16/05/23 13:00	10942	L Majoo,Electrician1
10944		Service unticollision detectors	0.5 hrs	Tue 16/05/23 13:00	Tue 16/05/23 13:30	10943	L Majoo,Electrician1
10945		Check loose connection on catwhiskers	0.5 hrs	Tue 16/05/23 13:30	Tue 16/05/23 14:00	10944	L Majoo,Electrician1
10946		Check and repair operation of realing drum system	0.5 hrs	Tue 16/05/23 14:00	Tue 16/05/23 14:30	10945	L Majoo,Electrician1
10947		Service Stop/start	0.5 hrs	Tue 16/05/23 14:30	Tue 16/05/23 15:00	10946	L Majoo,Electrician1
10948		Carry out cable dressing	0.5 hrs	Tue 16/05/23 15:00	Tue 16/05/23 15:30	10947	
10949		Check motor fan condition	0.5 hrs	Tue 16/05/23 15:30	Tue 16/05/23 16:00	10948	L Majoo,Electrician1
10950		Check cable terminal leads for over heating	0.25 hrs	Tue 16/05/23 16:00	Tue 16/05/23 16:15	10949	L Majoo,Electrician1
10951		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 16/05/23 16:15	Tue 16/05/23 16:30	10950	L Majoo,Electrician1
10952		Seal for Moisture and dust.	0.25 hrs	Tue 16/05/23 16:30	Tue 16/05/23 16:45	10951	L Majoo,Electrician1
10953		Clear permit	0.25 hrs	Tue 16/05/23 16:45	Tue 16/05/23 17:00	10952	L Majoo,Electrician1
10954	**42A2RX02**	**NO.1 SODA ASH BOOM STACKER AND TRIPPER B - Carry out general electrical maintenance**	**19.5 hrs**	**Sat 13/05/23 10:00**	**Mon 15/05/23 08:30**		
10955		Traverse stacker to maintenance bay	0.5 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10956		Lower the boom and support it	1 hr	Sat 13/05/23 10:30	Sat 13/05/23 11:30	10955	G Moeseraela,T Moloi
10957		Make out permit	0.25 hrs	Sat 13/05/23 11:30	Sat 13/05/23 11:45	10956	L Majoo,Electrician1
10958		Accept permit	0.25 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:00	10957	L Majoo,Electrician1
10959		Carry out electrical isolation	0.25 hrs	Sat 13/05/23 12:30	Sat 13/05/23 12:45	10958	L Majoo,Electrician1
10960		Vacuum clean ash dust from panel	1 hr	Sat 13/05/23 12:45	Sat 13/05/23 13:45	10959	L Majoo,Electrician1
10961		Disconnect stacker power supply cable	1.5 hrs	Sat 13/05/23 13:45	Sat 13/05/23 15:15	10960	L Majoo,Electrician1
10962		Replace damaged cable guide	3 hrs	Sat 13/05/23 15:15	Sun 14/05/23 07:15	10961	M Ramatlhakeng,S Monna,L Majoo,Ele
10963		Connect stacker power supply cable	2 hrs	Sun 14/05/23 07:15	Sun 14/05/23 09:15	10962	L Majoo,Electrician1
10964		Connect stacker earth conductors	1.5 hrs	Sun 14/05/23 09:15	Sun 14/05/23 10:45	10963	L Majoo,Electrician1
10965		Check loose connections in the panel	0.25 hrs	Sun 14/05/23 10:45	Sun 14/05/23 11:00	10964	L Majoo,Electrician1
10966		Replace 24V relays	1 hr	Sun 14/05/23 11:00	Sun 14/05/23 12:00	10965	L Majoo,Electrician1
10967		Check Contactor contacts connetions	0.25 hrs	Sun 14/05/23 12:30	Sun 14/05/23 12:45	10966	L Majoo,Electrician1
10968		Confirm correct setting of protections	0.25 hrs	Sun 14/05/23 12:45	Sun 14/05/23 13:00	10967	L Majoo,Electrician1
10969		Check operationof sirens, warning alarms and beacon lights	0.5 hrs	Sun 14/05/23 13:00	Sun 14/05/23 13:30	10968	L Majoo,Electrician1
10970		Check loose connection and condition of trip, alignment switches	0.5 hrs	Sun 14/05/23 13:30	Sun 14/05/23 14:00	10969	L Majoo,Electrician1
10971		Check and replace worn out trip wires	0.5 hrs	Sun 14/05/23 14:00	Sun 14/05/23 14:30	10970	L Majoo,Electrician1
10972		Service pile high, lower and upper limit go switches	1 hr	Sun 14/05/23 14:30	Sun 14/05/23 15:30	10971	L Majoo,Electrician1
10973		Service unticollision detectors	0.5 hrs	Sun 14/05/23 15:30	Sun 14/05/23 16:00	10972	L Majoo,Electrician1
10974		Check loose connection on catwhiskers	0.5 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:30	10973	L Majoo,Electrician1
10975		Check and repair operation of realing drum system	0.5 hrs	Sun 14/05/23 16:30	Sun 14/05/23 17:00	10974	L Majoo,Electrician1
10976		Service Stop/start	0.5 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:30	10975	L Majoo,Electrician1
10977		Carry out cable dressing	0.5 hrs	Sun 14/05/23 17:30	Sun 14/05/23 18:00	10976	L Majoo,Electrician1
10978		Check motor fan condition	0.5 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:30	10977	L Majoo,Electrician1
10979		Check cable terminal leads for over heating	0.25 hrs	Mon 15/05/23 07:30	Mon 15/05/23 07:45	10978	L Majoo,Electrician1
10980		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 15/05/23 07:45	Mon 15/05/23 08:00	10979	L Majoo,Electrician1
10981		Seal for Moisture and dust.	0.25 hrs	Mon 15/05/23 08:00	Mon 15/05/23 08:15	10980	L Majoo,Electrician1
10982		Clear permit	0.25 hrs	Mon 15/05/23 08:15	Mon 15/05/23 08:30	10981	L Majoo,Electrician1
10983	**42A2RM01**	**PORTAL SCRAPER RECLAIMER - Carry out general electrical maintenance**	**12 hrs**	**Mon 15/05/23 08:30**	**Tue 16/05/23 10:00**	**10954**	
10984		Make out permit	0.25 hrs	Mon 15/05/23 08:30	Mon 15/05/23 08:45		L Majoo,Electrician1
10985		Accept permit	0.25 hrs	Mon 15/05/23 08:45	Mon 15/05/23 09:00	10984	L Majoo,Electrician1
10986		Carry out electrical isolation	0.25 hrs	Mon 15/05/23 09:00	Mon 15/05/23 09:15	10985	L Majoo,Electrician1
10987		Check loose connections in the panel	0.25 hrs	Mon 15/05/23 09:15	Mon 15/05/23 09:30	10986	L Majoo,Electrician1
10988		Check Contactor contacts connetions	0.25 hrs	Mon 15/05/23 09:30	Mon 15/05/23 09:45	10987	L Majoo,Electrician1
10989		Confirm correct setting of protections	0.25 hrs	Mon 15/05/23 09:45	Mon 15/05/23 10:00	10988	L Majoo,Electrician1
10990		Check operation of sirens, warning alarms and lights	1 hr	Mon 15/05/23 10:00	Mon 15/05/23 11:00	10989	L Majoo,Electrician1
10991		Service upper and lower limit switches	1 hr	Mon 15/05/23 11:00	Mon 15/05/23 12:00	10990	L Majoo,Electrician1
10992		Service VSD and PLC controls	0.5 hrs	Mon 15/05/23 12:30	Mon 15/05/23 13:00	10991	L Majoo,Electrician1
10993		Check loose connection on anticollission sensors	0.5 hrs	Mon 15/05/23 13:00	Mon 15/05/23 13:30	10992	L Majoo,Electrician1
10994		Check main and sub booms limit switches	0.5 hrs	Mon 15/05/23 13:30	Mon 15/05/23 14:00	10993	L Majoo,Electrician1
10995		Check and repair operation of realing drum system	0.5 hrs	Mon 15/05/23 14:00	Mon 15/05/23 14:30	10994	L Majoo,Electrician1
10996		Service unticollision detectors	4 hrs	Mon 15/05/23 14:30	Tue 16/05/23 07:30	10995	L Majoo,Electrician1
10997		Service Stop/start	0.5 hrs	Tue 16/05/23 07:30	Tue 16/05/23 08:00	10996	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10998		Carry out cable dressing	0.5 hrs	Tue 16/05/23 08:00	Tue 16/05/23 08:30	10997	L Majoo,Electrician1
10999		Check motor fan condition	0.5 hrs	Tue 16/05/23 08:30	Tue 16/05/23 09:00	10998	L Majoo,Electrician1
11000		Check cable terminal leads for over heating	0.25 hrs	Tue 16/05/23 09:00	Tue 16/05/23 09:15	10999	L Majoo,Electrician1
11001		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 16/05/23 09:15	Tue 16/05/23 09:30	11000	L Majoo,Electrician1
11002		Seal for Moisture and dust.	0.25 hrs	Tue 16/05/23 09:30	Tue 16/05/23 09:45	11001	L Majoo,Electrician1
11003		Clear permit	0.25 hrs	Tue 16/05/23 09:45	Tue 16/05/23 10:00	11002	L Majoo,Electrician1
11004	**42B2RE01**	**TRANSFER BELT CONVEYOR - Carry out general electrical maintenance**	**6.5 hrs**	**Tue 16/05/23 10:00**	**Tue 16/05/23 17:00**	**10983**	
11005		Make out permit	0.25 hrs	Tue 16/05/23 10:00	Tue 16/05/23 10:15		L Majoo,Electrician1
11006		Accept permit	0.25 hrs	Tue 16/05/23 10:15	Tue 16/05/23 10:30	11005	L Majoo,Electrician1
11007		Carry out electrical isolation	0.25 hrs	Tue 16/05/23 10:30	Tue 16/05/23 10:45	11006	L Majoo,Electrician1
11008		Check loose connections in the panel	0.25 hrs	Tue 16/05/23 10:45	Tue 16/05/23 11:00	11007	L Majoo,Electrician1
11009		Check Contactor contacts connetions	0.25 hrs	Tue 16/05/23 11:00	Tue 16/05/23 11:15	11008	L Majoo,Electrician1
11010		Confirm correct setting of protections	0.25 hrs	Tue 16/05/23 11:15	Tue 16/05/23 11:30	11009	L Majoo,Electrician1
11011		Service Stop/start	0.5 hrs	Tue 16/05/23 11:30	Tue 16/05/23 12:00	11010	L Majoo,Electrician1
11012		Repair operation of sirens	2 hrs	Tue 16/05/23 12:30	Tue 16/05/23 14:30	11011	L Majoo,Electrician1
11013		Check loose connection and condition of trip switches	0.5 hrs	Tue 16/05/23 14:30	Tue 16/05/23 15:00	11012	L Majoo,Electrician1
11014		Check and replace worn out trip wires	0.5 hrs	Tue 16/05/23 15:00	Tue 16/05/23 15:30	11013	L Majoo,Electrician1
11015		Check motor fan condition	0.5 hrs	Tue 16/05/23 15:30	Tue 16/05/23 16:00	11014	L Majoo,Electrician1
11016		Check cable terminal leads for over heating	0.25 hrs	Tue 16/05/23 16:00	Tue 16/05/23 16:15	11015	L Majoo,Electrician1
11017		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 16/05/23 16:15	Tue 16/05/23 16:30	11016	L Majoo,Electrician1
11018		Seal for Moisture and dust.	0.25 hrs	Tue 16/05/23 16:30	Tue 16/05/23 16:45	11017	L Majoo,Electrician1
11019		Clear permit	0.25 hrs	Tue 16/05/23 16:45	Tue 16/05/23 17:00	11018	L Majoo,Electrician1
11020	**42A2RE03**	**SODA ASH STORAGE EXPORT BELT - Carry out general electrical maintenance**	**8.5 hrs**	**Tue 16/05/23 17:00**	**Wed 17/05/23 15:00**	**11004**	
11021		Make out permit	0.25 hrs	Tue 16/05/23 17:00	Tue 16/05/23 17:15		L Majoo,Electrician1
11022		Accept permit	0.25 hrs	Tue 16/05/23 17:15	Tue 16/05/23 17:30	11021	L Majoo,Electrician1
11023		Carry out electrical isolation	0.25 hrs	Tue 16/05/23 17:30	Tue 16/05/23 17:45	11022	L Majoo,Electrician1
11024		Check loose connections in the panel	0.25 hrs	Tue 16/05/23 17:45	Tue 16/05/23 18:00	11023	L Majoo,Electrician1
11025		Check Contactor contacts connetions	0.25 hrs	Wed 17/05/23 07:00	Wed 17/05/23 07:15	11024	L Majoo,Electrician1
11026		Confirm correct setting of protections	0.25 hrs	Wed 17/05/23 07:15	Wed 17/05/23 07:30	11025	L Majoo,Electrician1
11027		Service Stop/start	0.5 hrs	Wed 17/05/23 07:30	Wed 17/05/23 08:00	11026	L Majoo,Electrician1
11028		Repair operation of sirens	4 hrs	Wed 17/05/23 08:00	Wed 17/05/23 12:00	11027	L Majoo,Electrician1
11029		Check loose connection and condition of trip, alignment switches	0.5 hrs	Wed 17/05/23 12:30	Wed 17/05/23 13:00	11028	L Majoo,Electrician1
11030		Check and replace worn out trip wires	0.5 hrs	Wed 17/05/23 13:00	Wed 17/05/23 13:30	11029	L Majoo,Electrician1
11031		Check motor fan condition	0.5 hrs	Wed 17/05/23 13:30	Wed 17/05/23 14:00	11030	L Majoo,Electrician1
11032		Check cable terminal leads for over heating	0.25 hrs	Wed 17/05/23 14:00	Wed 17/05/23 14:15	11031	L Majoo,Electrician1
11033		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 17/05/23 14:15	Wed 17/05/23 14:30	11032	L Majoo,Electrician1
11034		Seal for Moisture and dust.	0.25 hrs	Wed 17/05/23 14:30	Wed 17/05/23 14:45	11033	L Majoo,Electrician1
11035		Clear permit	0.25 hrs	Wed 17/05/23 14:45	Wed 17/05/23 15:00	11034	L Majoo,Electrician1
11036	**Area 42A,C,**	**DENSE SODA ASH BAGGING**	**69.5 hrs**	**Fri 12/05/23 08:30**	**Thu 18/05/23 15:30**	**2SS+8 days**	
11037		**OPERATIONS**	**12 hrs**	**Fri 12/05/23 08:30**	**Sat 13/05/23 10:00**		
11038		**PLANT STOPPAGE**	**2 hrs**	**Fri 12/05/23 08:30**	**Fri 12/05/23 10:30**	**10638SS**	
11039		Stop plant and flush circuit	2 hrs	Fri 12/05/23 08:30	Fri 12/05/23 10:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
11040		**DENSE ASH SILO - Inspect & Clean Silo**	**23.5 hrs**	**Fri 12/05/23 10:30**	**Sat 13/05/23 10:00**	**11038**	
11041		Organize Hoses,	0 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:30		Operations
11042		Empty silo	0 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:30	11041	Operations
11043		Issue Permit (To Remove Bottom & Side Covers)	0.25 hrs	Fri 12/05/23 10:30	Fri 12/05/23 10:45	11042	Operations
11044		Remove Bottom & Side Covers	4 hrs	Fri 12/05/23 10:45	Fri 12/05/23 15:15	11043	B Thuso,L Nakedi,S Tlou
11045		Clean Silo Internally	4 hrs	Fri 12/05/23 15:15	Fri 12/05/23 19:15	11044	Operations
11046		Allow Silo To Dry Up(Naturally)	0 hrs	Fri 12/05/23 19:15	Fri 12/05/23 19:15	11045	Operations
11047		Put Back Covers And Cancel Permit	3 hrs	Sat 13/05/23 07:00	Sat 13/05/23 10:00	11046	B Thuso,L Nakedi,S Tlou
11048		**MAINTENANCE STARTS**	**0 hrs**	**Sat 13/05/23 10:00**	**Sat 13/05/23 10:00**	**11040**	
11049		Maintenance jobs commence	0 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:00		
11050	**Area 42A,C,**	**MECHANICAL**	**57.5 hrs**	**Sat 13/05/23 10:00**	**Thu 18/05/23 15:30**	**11048**	
11051	**42C2RE02**	**1 TON METERING CONVEYOR - Splice Belt**	**18.25 hrs**	**Sat 13/05/23 10:00**	**Mon 15/05/23 07:15**		
11052		Erect scaffold prior	0 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:00		RSC Scaffolding
11053		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15	11052	Operations
11054		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	11053	B Thuso,L Nakedi,S Tlou
11055		Carry out risk assement	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	11054	B Thuso,L Nakedi,S Tlou
11056		remove guard	1 hr	Sat 13/05/23 10:45	Sat 13/05/23 11:45	11055	G Moeseraela,T Moloi,K Gabantogele,B
11057		remove old conveyor	1.5 hrs	Sat 13/05/23 11:45	Sat 13/05/23 13:45	11056	G Moeseraela,T Moloi,K Gabantogele,B
11058		Replace all defective idlers	4 hrs	Sat 13/05/23 13:45	Sat 13/05/23 17:45	11057	B Thuso,L Nakedi,S Tlou
11059		Pull in new conveyor	1.5 hrs	Sat 13/05/23 17:45	Sun 14/05/23 08:15	11058	G Moeseraela,T Moloi,K Gabantogele,B
11060		Splice	3 hrs	Sun 14/05/23 08:15	Sun 14/05/23 11:15	11059	G Moeseraela,T Moloi,K Gabantogele,B
11061		allow to cure	4 hrs	Sun 14/05/23 11:15	Sun 14/05/23 15:45	11060	G Moeseraela,T Moloi,K Gabantogele,B
11062		remove splicing machine	0.5 hrs	Sun 14/05/23 15:45	Sun 14/05/23 16:15	11061	G Moeseraela,T Moloi,K Gabantogele,B
11063		Tension belt	0.5 hrs	Sun 14/05/23 16:15	Sun 14/05/23 16:45	11062	G Moeseraela,T Moloi,K Gabantogele,B
11064		Replace guards	1 hr	Sun 14/05/23 16:45	Sun 14/05/23 17:45	11063	G Moeseraela,T Moloi,K Gabantogele,B
11065		house keeping	0.25 hrs	Sun 14/05/23 17:45	Sun 14/05/23 18:00	11064	B Thuso,L Nakedi,S Tlou
11066		Clear permit	0.25 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:15	11065	B Thuso,L Nakedi,S Tlou
11067	**42C2RE07**	**1 TON METERING CONVEYOR - Carry out belt inspection, maintenance & belt Splice**	**21 hrs**	**Mon 15/05/23 07:15**	**Wed 17/05/23 07:15**	**11051**	
11068		Erect scaffold prior	0 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:15		
11069		Make out permit	0.25 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:30	11068	Operations
11070		Accept permit	0.25 hrs	Mon 15/05/23 07:30	Mon 15/05/23 07:45	11069	B Thuso,L Nakedi,S Tlou
11071		Carry out risk assement	0.25 hrs	Mon 15/05/23 07:45	Mon 15/05/23 08:00	11070	B Thuso,L Nakedi,S Tlou
11072		Remove guard	1 hr	Mon 15/05/23 08:00	Mon 15/05/23 09:00	11071	G Moeseraela,T Moloi,K Gabantogele,B
11073		Remove old conveyor	1.5 hrs	Mon 15/05/23 09:00	Mon 15/05/23 10:30	11072	G Moeseraela,T Moloi,K Gabantogele,B
11074		Replace all defective idlers	4 hrs	Mon 15/05/23 10:30	Mon 15/05/23 15:00	11073	B Thuso,L Nakedi,S Tlou
11075		Pull in new conveyor	1.5 hrs	Mon 15/05/23 15:00	Mon 15/05/23 16:30	11074	G Moeseraela,T Moloi,K Gabantogele,B
11076		Splice	3 hrs	Mon 15/05/23 16:30	Tue 16/05/23 08:30	11075	G Moeseraela,T Moloi,K Gabantogele,B
11077		Allow to cure	4 hrs	Tue 16/05/23 08:30	Tue 16/05/23 13:00	11076	G Moeseraela,T Moloi,K Gabantogele,B
11078		remove splicing machine	0.5 hrs	Tue 16/05/23 13:00	Tue 16/05/23 13:30	11077	G Moeseraela,T Moloi,K Gabantogele,B
11079		Inspect and grease all bearings	3 hrs	Tue 16/05/23 13:30	Tue 16/05/23 16:30	11078	B Thuso,L Nakedi,S Tlou
11080		Tension belt	0.5 hrs	Tue 16/05/23 16:30	Tue 16/05/23 17:00	11079	G Moeseraela,T Moloi,K Gabantogele,B

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
11081		Replace guards	1 hr	Tue 16/05/23 17:00	Tue 16/05/23 18:00	11080	G Moeseraela,T Moloi,K Gabantogele,B
11082		Clear permit	0.25 hrs	Wed 17/05/23 07:00	Wed 17/05/23 07:15	11081	B Thuso,L Nakedi,S Tlou
11083	**42C2RE02**	**50 KG METERING CONVEYOR - Carry out belt inspection, maintenance& belt Splice**	**18.25 hrs**	**Wed 17/05/23 07:15**	**Thu 18/05/23 15:30**	**11067**	
11084		Erect scaffold prior	0 hrs	Wed 17/05/23 07:15	Wed 17/05/23 07:15		RSC Scaffolding
11085		Make out permit	0.25 hrs	Wed 17/05/23 07:15	Wed 17/05/23 07:30	11084	Operations
11086		Accept permit	0.25 hrs	Wed 17/05/23 07:30	Wed 17/05/23 07:45	11085	B Thuso,L Nakedi,S Tlou
11087		Carry out risk assement	0.25 hrs	Wed 17/05/23 07:45	Wed 17/05/23 08:00	11086	B Thuso,L Nakedi,S Tlou
11088		Remove guard	1 hr	Wed 17/05/23 08:00	Wed 17/05/23 09:00	11087	G Moeseraela,T Moloi,K Gabantogele,B
11089		Remove old conveyor	1.5 hrs	Wed 17/05/23 09:00	Wed 17/05/23 10:30	11088	G Moeseraela,T Moloi,K Gabantogele,B
11090		Replace all defective idlers	4 hrs	Wed 17/05/23 10:30	Wed 17/05/23 15:00	11089	B Thuso,L Nakedi,S Tlou
11091		Pull in new conveyor	1.5 hrs	Wed 17/05/23 15:00	Wed 17/05/23 16:30	11090	G Moeseraela,T Moloi,K Gabantogele,B
11092		Splice	3 hrs	Wed 17/05/23 16:30	Thu 18/05/23 08:30	11091	G Moeseraela,T Moloi,K Gabantogele,B
11093		Allow to cure	4 hrs	Thu 18/05/23 08:30	Thu 18/05/23 13:00	11092	G Moeseraela,T Moloi,K Gabantogele,B
11094		remove splicing machine	0.5 hrs	Thu 18/05/23 13:00	Thu 18/05/23 13:30	11093	G Moeseraela,T Moloi,K Gabantogele,B
11095		Tension belt	0.5 hrs	Thu 18/05/23 13:30	Thu 18/05/23 14:00	11094	G Moeseraela,T Moloi,K Gabantogele,B
11096		Replace guards	1 hr	Thu 18/05/23 14:00	Thu 18/05/23 15:00	11095	G Moeseraela,T Moloi,K Gabantogele,B
11097		house keeping	0.25 hrs	Thu 18/05/23 15:00	Thu 18/05/23 15:15	11096	B Thuso,L Nakedi,S Tlou
11098		Clear permit	0.25 hrs	Thu 18/05/23 15:15	Thu 18/05/23 15:30	11097	B Thuso,L Nakedi,S Tlou
11099	**42C2RE05**	**50KG LIGHT ASH DRIVE UNIT - Refurbish structure & replace Geared Units (Ele &**	**38 hrs**	**Sat 13/05/23 10:00**	**Tue 16/05/23 17:00**		
11100		Erect scaffold prior	0 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:00		RSC Scaffolding
11101		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15	11100	Operations
11102		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	11101	B Thuso,L Nakedi,S Tlou
11103		Carry out risk assement	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	11102	B Thuso,L Nakedi,S Tlou
11104		remove guard	0.5 hrs	Sat 13/05/23 10:45	Sat 13/05/23 11:15	11103	B Thuso,L Nakedi,S Tlou
11105		Disconnect geared unit& all other electrical cables	1 hr	Sat 13/05/23 11:15	Sat 13/05/23 12:45	11104	L Majoo,Electrician1
11106		Loosen mounting bolts& supprt structure	1 hr	Sat 13/05/23 12:45	Sat 13/05/23 13:45	11105	B Thuso,L Nakedi,S Tlou
11107		Rig out structure	0.5 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:15	11106	G Moeseraela,T Moloi,K Gabantogele,L
11108		Sand blast and paint	24 hrs	Sat 13/05/23 14:15	Mon 15/05/23 17:15	11107	M Ramatlhakeng,S Monna
11109		Replace geared unit& bearings	1 hr	Mon 15/05/23 17:15	Tue 16/05/23 07:15	11108	G Moeseraela,T Moloi,K Gabantogele,B
11110		Secure geared unit& bearings	0.5 hrs	Tue 16/05/23 07:15	Tue 16/05/23 07:45	11109	B Thuso,L Nakedi,S Tlou
11111		Re install structure	6 hrs	Tue 16/05/23 07:45	Tue 16/05/23 14:15	11110	G Moeseraela,T Moloi,K Gabantogele,B
11112		Reconnect all electrical cables	6 hrs	Tue 16/05/23 07:45	Tue 16/05/23 14:15	11111SS	L Majoo,Electrician1
11113		replace guards	1 hr	Tue 16/05/23 14:15	Tue 16/05/23 15:15	11112	B Thuso,L Nakedi,S Tlou
11114		house keeping	0.5 hrs	Tue 16/05/23 15:15	Tue 16/05/23 15:45	11113	B Thuso,L Nakedi,S Tlou
11115		Clear permit	0.25 hrs	Tue 16/05/23 15:45	Tue 16/05/23 16:00	11114	B Thuso,L Nakedi,S Tlou
11116		Test run	0.5 hrs	Tue 16/05/23 16:00	Tue 16/05/23 16:30	11115	B Thuso,L Nakedi,S Tlou
11117		Hand over	0.5 hrs	Tue 16/05/23 16:30	Tue 16/05/23 17:00	11116	B Thuso,L Nakedi,S Tlou
11118	**42D2RE03**	**50KG DENSE ASH DRIVE UNIT - Carry out inspection and maintenance**	**21.5 hrs**	**Sat 13/05/23 10:00**	**Mon 15/05/23 10:30**		
11119		Erect scaffold prior	0 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:00		
11120		Make out permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15	11119	Operations
11121		Accept permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	11120	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
11122		Carry out risk assement	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	11121	B Thuso,L Nakedi,S Tlou
11123		remove guard	0.5 hrs	Sat 13/05/23 10:45	Sat 13/05/23 11:15	11122	B Thuso,L Nakedi,S Tlou
11124		Inspect geared unit& bearings and replace where necessary	8 hrs	Sat 13/05/23 11:15	Sun 14/05/23 08:45	11123	G Moeseraela,T Moloi,K Gabantogele,B
11125		Check condition of the belt	1 hr	Sun 14/05/23 08:45	Sun 14/05/23 09:45	11124	B Thuso,L Nakedi,S Tlou
11126		Replace if necessary and clip the conveyor	9 hrs	Sun 14/05/23 09:45	Mon 15/05/23 08:15	11125	B Thuso,L Nakedi,S Tlou
11127		replace guards	1 hr	Mon 15/05/23 08:15	Mon 15/05/23 09:15	11124,111	B Thuso,L Nakedi,S Tlou
11128		house keeping	0.5 hrs	Mon 15/05/23 09:15	Mon 15/05/23 09:45	11127	B Thuso,L Nakedi,S Tlou
11129		Clear permit	0.25 hrs	Mon 15/05/23 09:45	Mon 15/05/23 10:00	11128	B Thuso,L Nakedi,S Tlou
11130		Test run	0.5 hrs	Mon 15/05/23 10:00	Mon 15/05/23 10:30	11129	B Thuso,L Nakedi,S Tlou
11131	**42D2GB01**	**EXHAUST FAN - Inspection and maintainance (carry out fan balancing)**	**26 hrs**	**Sat 13/05/23 10:00**	**Mon 15/05/23 15:30**		
11132		Make Out Permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15		Operations
11133		Accept Permit	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	11132	B Thuso,L Nakedi,S Tlou
11134		Clean The Impeller	0.25 hrs	Sat 13/05/23 10:30	Sat 13/05/23 10:45	11133	B Thuso,L Nakedi,S Tlou
11135		Inspect Bearing & replace if necessary	6 hrs	Sat 13/05/23 10:45	Sat 13/05/23 17:15	11134	B Thuso,L Nakedi,S Tlou
11136		Inspect V-Belt And Pulley, Change If Necessary	4 hrs	Sat 13/05/23 17:15	Sun 14/05/23 10:15	11135	B Thuso,L Nakedi,S Tlou
11137		Carry Out Laser Alignment	1 hr	Sun 14/05/23 10:15	Sun 14/05/23 11:15	11136	Reliability
11138		Box Up	2 hrs	Sun 14/05/23 11:15	Sun 14/05/23 13:45	11137	B Thuso,L Nakedi,S Tlou
11139		Clear Permit	0.25 hrs	Sun 14/05/23 13:45	Sun 14/05/23 14:00	11138	B Thuso,L Nakedi,S Tlou
11140		Carry out fan balancing	12 hrs	Sun 14/05/23 14:00	Mon 15/05/23 15:30	11139	Reliability
11141		**ELECTRICAL**	**51.5 hrs**	**Fri 12/05/23 08:30**	**Wed 17/05/23 07:30**		
11142	**42C2RE02**	**METERING BELT CONVEYOR - Carry out general electrical maintenance**	**5.5 hrs**	**Fri 12/05/23 08:30**	**Fri 12/05/23 14:30**		
11143		Make out permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		L Majoo,Electrician1
11144		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	11143	L Majoo,Electrician1
11145		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	11144	L Majoo,Electrician1
11146		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30	11145	L Majoo,Electrician1
11147		Check Contactor contacts connetions	0.25 hrs	Fri 12/05/23 09:30	Fri 12/05/23 09:45	11146	L Majoo,Electrician1
11148		Confirm correct setting of protections	0.25 hrs	Fri 12/05/23 09:45	Fri 12/05/23 10:00	11147	L Majoo,Electrician1
11149		Service Stop/start	0.5 hrs	Fri 12/05/23 10:00	Fri 12/05/23 10:30	11148	L Majoo,Electrician1
11150		Check loose connection and condition of trip switches	1.5 hrs	Fri 12/05/23 10:30	Fri 12/05/23 12:00	11149	L Majoo,Electrician1
11151		Check and replace worn out trip wires	0.5 hrs	Fri 12/05/23 12:30	Fri 12/05/23 13:00	11150	L Majoo,Electrician1
11152		Check motor fan condition	0.5 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:30	11151	L Majoo,Electrician1
11153		Check cable terminal leads for over heating	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45	11152	L Majoo,Electrician1
11154		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	11153	L Majoo,Electrician1
11155		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:15	11154	L Majoo,Electrician1
11156		Clear permit	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30	11155	L Majoo,Electrician1
11157	**42C2RE03**	**SEWING BELT CONVEYOR - Carry out general electrical maintenance**	**4.5 hrs**	**Fri 12/05/23 14:30**	**Sat 13/05/23 08:00**	**11142**	
11158		Make out permit	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45		L Majoo,Electrician1
11159		Accept permit	0.25 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:00	11158	L Majoo,Electrician1
11160		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	11159	L Majoo,Electrician1
11161		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:30	11160	L Majoo,Electrician1
11162		Check Contactor contacts connetions	0.25 hrs	Fri 12/05/23 15:30	Fri 12/05/23 15:45	11161	L Majoo,Electrician1
11163		Confirm correct setting of protections	0.25 hrs	Fri 12/05/23 15:45	Fri 12/05/23 16:00	11162	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
11164		Service Stop/start	0.5 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:30	11163	L Majoo,Electrician1
11165		Check loose connection and condition of trip switches	0.5 hrs	Fri 12/05/23 16:30	Fri 12/05/23 17:00	11164	L Majoo,Electrician1
11166		Check and replace worn out trip wires	0.5 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:30	11165	L Majoo,Electrician1
11167		Check motor fan condition	0.5 hrs	Fri 12/05/23 17:30	Fri 12/05/23 18:00	11166	L Majoo,Electrician1
11168		Check cable terminal leads for over heating	0.25 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:15	11167	L Majoo,Electrician1
11169		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 13/05/23 07:15	Sat 13/05/23 07:30	11168	L Majoo,Electrician1
11170		Seal for Moisture and dust.	0.25 hrs	Sat 13/05/23 07:30	Sat 13/05/23 07:45	11169	L Majoo,Electrician1
11171		Clear permit	0.25 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:00	11170	
11172	**42C2RE04**	**BELT CONVEYOR WITH TILT DEVICE - Carry out general electrical maintenance**	**6 hrs**	**Sat 13/05/23 08:00**	**Sat 13/05/23 14:30**	**11157**	
11173		Make out permit	0.25 hrs	Sat 13/05/23 08:00	Sat 13/05/23 08:15		L Majoo,Electrician1
11174		Accept permit	0.25 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:30	11173	L Majoo,Electrician1
11175		Carry out electrical isolation	0.25 hrs	Sat 13/05/23 08:30	Sat 13/05/23 08:45	11174	L Majoo,Electrician1
11176		Check loose connections in the panel	0.25 hrs	Sat 13/05/23 08:45	Sat 13/05/23 09:00	11175	L Majoo,Electrician1
11177		Check Contactor contacts connetions	0.25 hrs	Sat 13/05/23 09:00	Sat 13/05/23 09:15	11176	L Majoo,Electrician1
11178		Confirm correct setting of protections	0.25 hrs	Sat 13/05/23 09:15	Sat 13/05/23 09:30	11177	L Majoo,Electrician1
11179		Service Stop/start	0.5 hrs	Sat 13/05/23 09:30	Sat 13/05/23 10:00	11178	L Majoo,Electrician1
11180		Check operation of sirens	1.5 hrs	Sat 13/05/23 10:00	Sat 13/05/23 11:30	11179	L Majoo,Electrician1
11181		Check loose connection and condition of trip switches	0.5 hrs	Sat 13/05/23 11:30	Sat 13/05/23 12:00	11180	L Majoo,Electrician1
11182		Check and replace worn out trip wires	0.5 hrs	Sat 13/05/23 12:30	Sat 13/05/23 13:00	11181	L Majoo,Electrician1
11183		Check motor fan condition	0.5 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:30	11182	L Majoo,Electrician1
11184		Check cable terminal leads for over heating	0.25 hrs	Sat 13/05/23 13:30	Sat 13/05/23 13:45	11183	L Majoo,Electrician1
11185		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:00	11184	L Majoo,Electrician1
11186		Seal for Moisture and dust.	0.25 hrs	Sat 13/05/23 14:00	Sat 13/05/23 14:15	11185	L Majoo,Electrician1
11187		Clear permit	0.25 hrs	Sat 13/05/23 14:15	Sat 13/05/23 14:30	11186	L Majoo,Electrician1
11188	**42C2RC02**	**ASH BAGGING OVERHEAD CRANE (1ton) - Carry out general electrical maintenance**	**8.5 hrs**	**Sat 13/05/23 14:30**	**Sun 14/05/23 12:00**	**11172**	
11189		Make out permit	0.25 hrs	Sat 13/05/23 14:30	Sat 13/05/23 14:45		L Majoo,Electrician1
11190		Accept permit	0.25 hrs	Sat 13/05/23 14:45	Sat 13/05/23 15:00	11189	L Majoo,Electrician1
11191		Carry out electrical isolation	0.25 hrs	Sat 13/05/23 15:00	Sat 13/05/23 15:15	11190	L Majoo,Electrician1
11192		Check loose connections in the control panel	0.25 hrs	Sat 13/05/23 15:15	Sat 13/05/23 15:30	11191	L Majoo,Electrician1
11193		Check Contactor contacts connetions	0.25 hrs	Sat 13/05/23 15:30	Sat 13/05/23 15:45	11192	L Majoo,Electrician1
11194		Confirm correct setting of protections	0.25 hrs	Sat 13/05/23 15:45	Sat 13/05/23 16:00	11193	L Majoo,Electrician1
11195		Service pendant controller	0.5 hrs	Sat 13/05/23 16:00	Sat 13/05/23 16:30	11194	L Majoo,Electrician1
11196		Inspect operation of limit switches	1.5 hrs	Sat 13/05/23 16:30	Sat 13/05/23 18:00	11195	L Majoo,Electrician1
11197		Inspect hoist and traverse brakes	2 hrs	Sun 14/05/23 07:00	Sun 14/05/23 09:00	11196	L Majoo,Electrician1
11198		Check all motors fan condition	0.5 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:30	11197	L Majoo,Electrician1
11199		Inspect trailing cable and replace old cable ties.	0.5 hrs	Sun 14/05/23 09:30	Sun 14/05/23 10:00	11198	L Majoo,Electrician1
11200		Inspect pendant cable and support slings	0.5 hrs	Sun 14/05/23 10:00	Sun 14/05/23 10:30	11199	L Majoo,Electrician1
11201		Check loose connection in pendant controller	0.5 hrs	Sun 14/05/23 10:30	Sun 14/05/23 11:00	11200	L Majoo,Electrician1
11202		Check cable terminal leads for over heating	0.25 hrs	Sun 14/05/23 11:00	Sun 14/05/23 11:15	11201	L Majoo,Electrician1
11203		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:30	11202	L Majoo,Electrician1
11204		Seal for Moisture and dust.	0.25 hrs	Sun 14/05/23 11:30	Sun 14/05/23 11:45	11203	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
11205		Clear permit	0.25 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:00	11204	L Majoo,Electrician1
11206	**42C2RE07**	**NO.2 METERING BELT CONVEYOR ONE TON - Carry out general electrical maintenance**	**3.5 hrs**	**Sun 14/05/23 12:30**	**Sun 14/05/23 16:00**	**11188**	
11207		Make out permit	0.25 hrs	Sun 14/05/23 12:30	Sun 14/05/23 12:45		L Majoo,Electrician1
11208		Accept permit	0.25 hrs	Sun 14/05/23 12:45	Sun 14/05/23 13:00	11207	L Majoo,Electrician1
11209		Carry out electrical isolation	0.25 hrs	Sun 14/05/23 13:00	Sun 14/05/23 13:15	11208	L Majoo,Electrician1
11210		Check loose connections in the panel	0.25 hrs	Sun 14/05/23 13:15	Sun 14/05/23 13:30	11209	L Majoo,Electrician1
11211		Check Contactor contacts connetions	0.25 hrs	Sun 14/05/23 13:30	Sun 14/05/23 13:45	11210	L Majoo,Electrician1
11212		Confirm correct setting of protections	0.25 hrs	Sun 14/05/23 13:45	Sun 14/05/23 14:00	11211	L Majoo,Electrician1
11213		Service Stop/start	0.5 hrs	Sun 14/05/23 14:00	Sun 14/05/23 14:30	11212	L Majoo,Electrician1
11214		Check motor fan condition	0.5 hrs	Sun 14/05/23 14:30	Sun 14/05/23 15:00	11213	L Majoo,Electrician1
11215		Check cable terminal leads for over heating	0.25 hrs	Sun 14/05/23 15:00	Sun 14/05/23 15:15	11214	L Majoo,Electrician1
11216		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 14/05/23 15:15	Sun 14/05/23 15:30	11215	L Majoo,Electrician1
11217		Seal for Moisture and dust.	0.25 hrs	Sun 14/05/23 15:30	Sun 14/05/23 15:45	11216	L Majoo,Electrician1
11218		Clear permit	0.25 hrs	Sun 14/05/23 15:45	Sun 14/05/23 16:00	11217	L Majoo,Electrician1
11219	**42C2RE08**	**BAGGED BELT CONVEYOR - Carry out general electrical maintenance**	**3.5 hrs**	**Sun 14/05/23 16:00**	**Mon 15/05/23 08:30**	**11206**	
11220		Make out permit	0.25 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:15		L Majoo,Electrician1
11221		Accept permit	0.25 hrs	Sun 14/05/23 16:15	Sun 14/05/23 16:30	11220	L Majoo,Electrician1
11222		Carry out electrical isolation	0.25 hrs	Sun 14/05/23 16:30	Sun 14/05/23 16:45	11221	L Majoo,Electrician1
11223		Check loose connections in the panel	0.25 hrs	Sun 14/05/23 16:45	Sun 14/05/23 17:00	11222	L Majoo,Electrician1
11224		Check Contactor contacts connetions	0.25 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:15	11223	L Majoo,Electrician1
11225		Confirm correct setting of protections	0.25 hrs	Sun 14/05/23 17:15	Sun 14/05/23 17:30	11224	L Majoo,Electrician1
11226		Service Stop/start	0.5 hrs	Sun 14/05/23 17:30	Sun 14/05/23 18:00	11225	L Majoo,Electrician1
11227		Check motor fan condition	0.5 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:30	11226	L Majoo,Electrician1
11228		Check cable terminal leads for over heating	0.25 hrs	Mon 15/05/23 07:30	Mon 15/05/23 07:45	11227	L Majoo,Electrician1
11229		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 15/05/23 07:45	Mon 15/05/23 08:00	11228	L Majoo,Electrician1
11230		Seal for Moisture and dust.	0.25 hrs	Mon 15/05/23 08:00	Mon 15/05/23 08:15	11229	L Majoo,Electrician1
11231		Clear permit	0.25 hrs	Mon 15/05/23 08:15	Mon 15/05/23 08:30	11230	L Majoo,Electrician1
11232	**42C2RE09**	**HOLDING BELT CONVEYOR - Carry out general electrical maintenance**	**5 hrs**	**Mon 15/05/23 08:30**	**Mon 15/05/23 14:00**	**11219**	
11233		Make out permit	0.25 hrs	Mon 15/05/23 08:30	Mon 15/05/23 08:45		L Majoo,Electrician1
11234		Accept permit	0.25 hrs	Mon 15/05/23 08:45	Mon 15/05/23 09:00	11233	L Majoo,Electrician1
11235		Carry out electrical isolation	0.25 hrs	Mon 15/05/23 09:00	Mon 15/05/23 09:15	11234	L Majoo,Electrician1
11236		Check loose connections in the panel	0.25 hrs	Mon 15/05/23 09:15	Mon 15/05/23 09:30	11235	L Majoo,Electrician1
11237		Check Contactor contacts connetions	0.25 hrs	Mon 15/05/23 09:30	Mon 15/05/23 09:45	11236	L Majoo,Electrician1
11238		Confirm correct setting of protections	0.25 hrs	Mon 15/05/23 09:45	Mon 15/05/23 10:00	11237	L Majoo,Electrician1
11239		Service Stop/start	0.5 hrs	Mon 15/05/23 10:00	Mon 15/05/23 10:30	11238	L Majoo,Electrician1
11240		Replace worn out trip switch and trip wire	1.5 hrs	Mon 15/05/23 10:30	Mon 15/05/23 12:00	11239	L Majoo,Electrician1
11241		Check motor fan condition	0.5 hrs	Mon 15/05/23 12:30	Mon 15/05/23 13:00	11240	L Majoo,Electrician1
11242		Check cable terminal leads for over heating	0.25 hrs	Mon 15/05/23 13:00	Mon 15/05/23 13:15	11241	L Majoo,Electrician1
11243		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 15/05/23 13:15	Mon 15/05/23 13:30	11242	L Majoo,Electrician1
11244		Seal for Moisture and dust.	0.25 hrs	Mon 15/05/23 13:30	Mon 15/05/23 13:45	11243	L Majoo,Electrician1
11245		Clear permit	0.25 hrs	Mon 15/05/23 13:45	Mon 15/05/23 14:00	11244	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
11246	**42B2GB01**	**AIR BLOWER - Carry out general electrical maintenance**	**3.5 hrs**	**Mon 15/05/23 14:00**	**Mon 15/05/23 17:30**	**11232**	
11247		Make out permit	0.25 hrs	Mon 15/05/23 14:00	Mon 15/05/23 14:15		L Majoo,Electrician1
11248		Accept permit	0.25 hrs	Mon 15/05/23 14:15	Mon 15/05/23 14:30	11247	L Majoo,Electrician1
11249		Carry out electrical isolation	0.25 hrs	Mon 15/05/23 14:30	Mon 15/05/23 14:45	11248	L Majoo,Electrician1
11250		Check loose connections in the panel	0.25 hrs	Mon 15/05/23 14:45	Mon 15/05/23 15:00	11249	L Majoo,Electrician1
11251		Check Contactor contacts connetions	0.25 hrs	Mon 15/05/23 15:00	Mon 15/05/23 15:15	11250	L Majoo,Electrician1
11252		Confirm correct setting of protections	0.25 hrs	Mon 15/05/23 15:15	Mon 15/05/23 15:30	11251	L Majoo,Electrician1
11253		Service Stop/start	0.5 hrs	Mon 15/05/23 15:30	Mon 15/05/23 16:00	11252	L Majoo,Electrician1
11254		Check motor fan condition	0.5 hrs	Mon 15/05/23 16:00	Mon 15/05/23 16:30	11253	L Majoo,Electrician1
11255		Check cable terminal leads for over heating	0.25 hrs	Mon 15/05/23 16:30	Mon 15/05/23 16:45	11254	L Majoo,Electrician1
11256		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 15/05/23 16:45	Mon 15/05/23 17:00	11255	L Majoo,Electrician1
11257		Seal for Moisture and dust.	0.25 hrs	Mon 15/05/23 17:00	Mon 15/05/23 17:15	11256	L Majoo,Electrician1
11258		Clear permit	0.25 hrs	Mon 15/05/23 17:15	Mon 15/05/23 17:30	11257	L Majoo,Electrician1
11259	**42D2GB01**	**EXHAUST FAN - Carry out general electrical maintenance**	**8 hrs**	**Mon 15/05/23 17:30**	**Tue 16/05/23 15:00**	**11246**	
11260		Make out permit	0.25 hrs	Mon 15/05/23 17:30	Mon 15/05/23 17:45		L Majoo,Electrician1
11261		Accept permit	0.25 hrs	Mon 15/05/23 17:45	Mon 15/05/23 18:00	11260	L Majoo,Electrician1
11262		Carry out electrical isolation	0.25 hrs	Tue 16/05/23 07:00	Tue 16/05/23 07:15	11261	L Majoo,Electrician1
11263		Disconnect motor	2 hrs	Tue 16/05/23 07:15	Tue 16/05/23 09:15	11262	G Moeseraela,T Moloi,B Thuso,L Naked
11264		Send motor for repair	0.5 hrs	Tue 16/05/23 09:15	Tue 16/05/23 09:45	11263	L Majoo,Electrician1
11265		Check loose connections in the panel	0.25 hrs	Tue 16/05/23 09:45	Tue 16/05/23 10:00	11264	L Majoo,Electrician1
11266		Check Contactor contacts connetions	0.25 hrs	Tue 16/05/23 10:00	Tue 16/05/23 10:15	11265	L Majoo,Electrician1
11267		Confirm correct setting of protections	0.25 hrs	Tue 16/05/23 10:15	Tue 16/05/23 10:30	11266	L Majoo,Electrician1
11268		Service Stop/start	0.5 hrs	Tue 16/05/23 10:30	Tue 16/05/23 11:00	11267	L Majoo,Electrician1
11269		Install motor after repair	2.5 hrs	Tue 16/05/23 11:00	Tue 16/05/23 14:00	11268	G Moeseraela,T Moloi,B Thuso,L Naked
11270		Check cable terminal leads for over heating	0.25 hrs	Tue 16/05/23 14:00	Tue 16/05/23 14:15	11269	L Majoo,Electrician1
11271		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 16/05/23 14:15	Tue 16/05/23 14:30	11270	L Majoo,Electrician1
11272		Seal for Moisture and dust.	0.25 hrs	Tue 16/05/23 14:30	Tue 16/05/23 14:45	11271	L Majoo,Electrician1
11273		Clear permit	0.25 hrs	Tue 16/05/23 14:45	Tue 16/05/23 15:00	11272	L Majoo,Electrician1
11274	**42D2RE01**	**REFINED ASH LOADING CONVEYOR - Carry out general electrical maintenance**	**3.5 hrs**	**Tue 16/05/23 15:00**	**Wed 17/05/23 07:30**	**11259**	
11275		Make out permit	0.25 hrs	Tue 16/05/23 15:00	Tue 16/05/23 15:15		L Majoo,Electrician1
11276		Accept permit	0.25 hrs	Tue 16/05/23 15:15	Tue 16/05/23 15:30	11275	L Majoo,Electrician1
11277		Carry out electrical isolation	0.25 hrs	Tue 16/05/23 15:30	Tue 16/05/23 15:45	11276	L Majoo,Electrician1
11278		Check loose connections in the panel	0.25 hrs	Tue 16/05/23 15:45	Tue 16/05/23 16:00	11277	L Majoo,Electrician1
11279		Check Contactor contacts connetions	0.25 hrs	Tue 16/05/23 16:00	Tue 16/05/23 16:15	11278	L Majoo,Electrician1
11280		Confirm correct setting of protections	0.25 hrs	Tue 16/05/23 16:15	Tue 16/05/23 16:30	11279	L Majoo,Electrician1
11281		Service Stop/start	0.5 hrs	Tue 16/05/23 16:30	Tue 16/05/23 17:00	11280	L Majoo,Electrician1
11282		Check motor fan condition	0.5 hrs	Tue 16/05/23 17:00	Tue 16/05/23 17:30	11281	L Majoo,Electrician1
11283		Check cable terminal leads for over heating	0.25 hrs	Tue 16/05/23 17:30	Tue 16/05/23 17:45	11282	L Majoo,Electrician1
11284		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 16/05/23 17:45	Tue 16/05/23 18:00	11283	L Majoo,Electrician1
11285		Seal for Moisture and dust.	0.25 hrs	Wed 17/05/23 07:00	Wed 17/05/23 07:15	11284	L Majoo,Electrician1
11286		Clear permit	0.25 hrs	Wed 17/05/23 07:15	Wed 17/05/23 07:30	11285	L Majoo,Electrician1
11287	**42D2RE02**	**REFINED ASH STITCHING CONVEYOR - Carry out general electrical maintenance**	**5 hrs**	**Fri 12/05/23 08:30**	**Fri 12/05/23 14:00**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
11288		Make out permit	0.25 hrs	Fri 12/05/23 08:30	Fri 12/05/23 08:45		L Majoo,Electrician1
11289		Accept permit	0.25 hrs	Fri 12/05/23 08:45	Fri 12/05/23 09:00	11288	L Majoo,Electrician1
11290		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 09:00	Fri 12/05/23 09:15	11289	L Majoo,Electrician1
11291		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 09:15	Fri 12/05/23 09:30	11290	L Majoo,Electrician1
11292		Check Contactor contacts connetions	0.25 hrs	Fri 12/05/23 09:30	Fri 12/05/23 09:45	11291	L Majoo,Electrician1
11293		Confirm correct setting of protections	0.25 hrs	Fri 12/05/23 09:45	Fri 12/05/23 10:00	11292	L Majoo,Electrician1
11294		Replace old trip switch and trip wire	1.5 hrs	Fri 12/05/23 10:00	Fri 12/05/23 11:30	11293	L Majoo,Electrician1
11295		Service Stop/start box and contacts	0.5 hrs	Fri 12/05/23 11:30	Fri 12/05/23 12:00	11294	L Majoo,Electrician1
11296		Check motor fan condition	0.5 hrs	Fri 12/05/23 12:30	Fri 12/05/23 13:00	11295	L Majoo,Electrician1
11297		Check cable terminal leads for over heating	0.25 hrs	Fri 12/05/23 13:00	Fri 12/05/23 13:15	11296	L Majoo,Electrician1
11298		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 13:15	Fri 12/05/23 13:30	11297	L Majoo,Electrician1
11299		Seal for Moisture and dust.	0.25 hrs	Fri 12/05/23 13:30	Fri 12/05/23 13:45	11298	L Majoo,Electrician1
11300		Clear permit	0.25 hrs	Fri 12/05/23 13:45	Fri 12/05/23 14:00	11299	L Majoo,Electrician1
11301	**42D2RF01**	**REFINED ASH TUBE CHAIN CONVEYOR1 - Carry out general electrical maintenance**	**4.5 hrs**	**Fri 12/05/23 14:00**	**Sat 13/05/23 07:30**	**11287**	
11302		Make out permit	0.25 hrs	Fri 12/05/23 14:00	Fri 12/05/23 14:15		L Majoo,Electrician1
11303		Accept permit	0.25 hrs	Fri 12/05/23 14:15	Fri 12/05/23 14:30	11302	L Majoo,Electrician1
11304		Carry out electrical isolation	0.25 hrs	Fri 12/05/23 14:30	Fri 12/05/23 14:45	11303	L Majoo,Electrician1
11305		Check loose connections in the panel	0.25 hrs	Fri 12/05/23 14:45	Fri 12/05/23 15:00	11304	L Majoo,Electrician1
11306		Check Contactor contacts connetions	0.25 hrs	Fri 12/05/23 15:00	Fri 12/05/23 15:15	11305	L Majoo,Electrician1
11307		Confirm correct setting of protections	0.25 hrs	Fri 12/05/23 15:15	Fri 12/05/23 15:30	11306	L Majoo,Electrician1
11308		Check under speed circuit	0.5 hrs	Fri 12/05/23 15:30	Fri 12/05/23 16:00	11307	L Majoo,Electrician1
11309		Check, clean and repair U/S actuators and mounting bracket	0.5 hrs	Fri 12/05/23 16:00	Fri 12/05/23 16:30	11308	L Majoo,Electrician1
11310		Service Stop/start box and contacts	0.5 hrs	Fri 12/05/23 16:30	Fri 12/05/23 17:00	11309	L Majoo,Electrician1
11311		Check motor fan condition	0.5 hrs	Fri 12/05/23 17:00	Fri 12/05/23 17:30	11310	L Majoo,Electrician1
11312		Check cable terminal leads for over heating	0.25 hrs	Fri 12/05/23 17:30	Fri 12/05/23 17:45	11311	L Majoo,Electrician1
11313		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00	11312	L Majoo,Electrician1
11314		Seal for Moisture and dust.	0.25 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:15	11313	L Majoo,Electrician1
11315		Clear permit	0.25 hrs	Sat 13/05/23 07:15	Sat 13/05/23 07:30	11314	L Majoo,Electrician1
11316	**42D2RF02**	**REFINED ASH TUBE CHAIN CONVEYOR2 - Carry out general electrical maintenance**	**4.5 hrs**	**Sat 13/05/23 07:30**	**Sat 13/05/23 12:00**	**11301**	
11317		Make out permit	0.25 hrs	Sat 13/05/23 07:30	Sat 13/05/23 07:45		L Majoo,Electrician1
11318		Accept permit	0.25 hrs	Sat 13/05/23 07:45	Sat 13/05/23 08:00	11317	L Majoo,Electrician1
11319		Carry out electrical isolation	0.25 hrs	Sat 13/05/23 08:00	Sat 13/05/23 08:15	11318	L Majoo,Electrician1
11320		Check loose connections in the panel	0.25 hrs	Sat 13/05/23 08:15	Sat 13/05/23 08:30	11319	L Majoo,Electrician1
11321		Check Contactor contacts connetions	0.25 hrs	Sat 13/05/23 08:30	Sat 13/05/23 08:45	11320	L Majoo,Electrician1
11322		Confirm correct setting of protections	0.25 hrs	Sat 13/05/23 08:45	Sat 13/05/23 09:00	11321	L Majoo,Electrician1
11323		Check under speed circuit	0.5 hrs	Sat 13/05/23 09:00	Sat 13/05/23 09:30	11322	L Majoo,Electrician1
11324		Check, clean and repair U/S actuators and mounting bracket	0.5 hrs	Sat 13/05/23 09:30	Sat 13/05/23 10:00	11323	L Majoo,Electrician1
11325		Service Stop/start box and contacts	0.5 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:30	11324	L Majoo,Electrician1
11326		Check motor fan condition	0.5 hrs	Sat 13/05/23 10:30	Sat 13/05/23 11:00	11325	L Majoo,Electrician1
11327		Check cable terminal leads for over heating	0.25 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:15	11326	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
11328		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 13/05/23 11:15	Sat 13/05/23 11:30	11327	L Majoo,Electrician1
11329		Seal for Moisture and dust.	0.25 hrs	Sat 13/05/23 11:30	Sat 13/05/23 11:45	11328	L Majoo,Electrician1
11330		Clear permit	0.25 hrs	Sat 13/05/23 11:45	Sat 13/05/23 12:00	11329	L Majoo,Electrician1
11331	**42D2RF03**	**REFINED ASH TUBE CHAIN CONVEYOR3 - Carry out general electrical maintenance**	**4.5 hrs**	**Sat 13/05/23 12:30**	**Sat 13/05/23 17:00**	**11316**	
11332		Make out permit	0.25 hrs	Sat 13/05/23 12:30	Sat 13/05/23 12:45		L Majoo,Electrician1
11333		Accept permit	0.25 hrs	Sat 13/05/23 12:45	Sat 13/05/23 13:00	11332	L Majoo,Electrician1
11334		Carry out electrical isolation	0.25 hrs	Sat 13/05/23 13:00	Sat 13/05/23 13:15	11333	L Majoo,Electrician1
11335		Check loose connections in the panel	0.25 hrs	Sat 13/05/23 13:15	Sat 13/05/23 13:30	11334	L Majoo,Electrician1
11336		Check Contactor contacts connetions	0.25 hrs	Sat 13/05/23 13:30	Sat 13/05/23 13:45	11335	L Majoo,Electrician1
11337		Confirm correct setting of protections	0.25 hrs	Sat 13/05/23 13:45	Sat 13/05/23 14:00	11336	L Majoo,Electrician1
11338		Check under speed circuit	0.5 hrs	Sat 13/05/23 14:00	Sat 13/05/23 14:30	11337	L Majoo,Electrician1
11339		Check, clean and repair U/S actuators and mounting bracket	0.5 hrs	Sat 13/05/23 14:30	Sat 13/05/23 15:00	11338	L Majoo,Electrician1
11340		Service Stop/start box and contacts	0.5 hrs	Sat 13/05/23 15:00	Sat 13/05/23 15:30	11339	L Majoo,Electrician1
11341		Check motor fan condition	0.5 hrs	Sat 13/05/23 15:30	Sat 13/05/23 16:00	11340	L Majoo,Electrician1
11342		Check cable terminal leads for over heating	0.25 hrs	Sat 13/05/23 16:00	Sat 13/05/23 16:15	11341	L Majoo,Electrician1
11343		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 13/05/23 16:15	Sat 13/05/23 16:30	11342	L Majoo,Electrician1
11344		Seal for Moisture and dust.	0.25 hrs	Sat 13/05/23 16:30	Sat 13/05/23 16:45	11343	L Majoo,Electrician1
11345		Clear permit	0.25 hrs	Sat 13/05/23 16:45	Sat 13/05/23 17:00	11344	L Majoo,Electrician1
11346	**42D2RF04**	**REFINED ASH TUBE CHAIN CONVEYOR4 - Carry out general electrical maintenance**	**5 hrs**	**Sat 13/05/23 17:00**	**Sun 14/05/23 11:00**	**11331**	
11347		Make out permit	0.25 hrs	Sat 13/05/23 17:00	Sat 13/05/23 17:15		L Majoo,Electrician1
11348		Accept permit	0.25 hrs	Sat 13/05/23 17:15	Sat 13/05/23 17:30	11347	L Majoo,Electrician1
11349		Carry out electrical isolation	0.25 hrs	Sat 13/05/23 17:30	Sat 13/05/23 17:45	11348	L Majoo,Electrician1
11350		Check loose connections in the panel	0.25 hrs	Sat 13/05/23 17:45	Sat 13/05/23 18:00	11349	L Majoo,Electrician1
11351		Check Contactor contacts connetions	0.25 hrs	Sun 14/05/23 07:00	Sun 14/05/23 07:15	11350	L Majoo,Electrician1
11352		Confirm correct setting of protections	0.25 hrs	Sun 14/05/23 07:15	Sun 14/05/23 07:30	11351	L Majoo,Electrician1
11353		Check under speed circuit	0.5 hrs	Sun 14/05/23 07:30	Sun 14/05/23 08:00	11352	L Majoo,Electrician1
11354		Check, clean and repair U/S actuators and mounting bracket	0.5 hrs	Sun 14/05/23 08:00	Sun 14/05/23 08:30	11353	L Majoo,Electrician1
11355		Service Stop/start box and contacts	0.5 hrs	Sun 14/05/23 08:30	Sun 14/05/23 09:00	11354	L Majoo,Electrician1
11356		Make sure field stop/start are working on local	0.5 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:30	11355	L Majoo,Electrician1
11357		Check motor fan condition	0.5 hrs	Sun 14/05/23 09:30	Sun 14/05/23 10:00	11356	L Majoo,Electrician1
11358		Check cable terminal leads for over heating	0.25 hrs	Sun 14/05/23 10:00	Sun 14/05/23 10:15	11357	L Majoo,Electrician1
11359		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 14/05/23 10:15	Sun 14/05/23 10:30	11358	L Majoo,Electrician1
11360		Seal for Moisture and dust.	0.25 hrs	Sun 14/05/23 10:30	Sun 14/05/23 10:45	11359	L Majoo,Electrician1
11361		Clear permit	0.25 hrs	Sun 14/05/23 10:45	Sun 14/05/23 11:00	11360	L Majoo,Electrician1
11362	**42D2RL02**	**REFINED ASH SCREW FEEDER A - Carry out maintenance on electrical components**	**3.5 hrs**	**Sun 14/05/23 11:00**	**Sun 14/05/23 15:00**	**11346**	
11363		Make out permit	0.25 hrs	Sun 14/05/23 11:00	Sun 14/05/23 11:15		L Majoo,Electrician1
11364		Accept permit	0.25 hrs	Sun 14/05/23 11:15	Sun 14/05/23 11:30	11363	L Majoo,Electrician1
11365		Carry out electrical isolation	0.25 hrs	Sun 14/05/23 11:30	Sun 14/05/23 11:45	11364	L Majoo,Electrician1
11366		Check loose connections in the panel	0.25 hrs	Sun 14/05/23 11:45	Sun 14/05/23 12:00	11365	L Majoo,Electrician1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
11367		Check Contactor contacts/soft starter connetions	0.25 hrs	Sun 14/05/23 12:30	Sun 14/05/23 12:45	11366	L Majoo,Electrician1
11368		Confirm correct setting of protections	0.25 hrs	Sun 14/05/23 12:45	Sun 14/05/23 13:00	11367	L Majoo,Electrician1
11369		Service Stop/start	0.5 hrs	Sun 14/05/23 13:00	Sun 14/05/23 13:30	11368	L Majoo,Electrician1
11370		Check motor fan condition	0.5 hrs	Sun 14/05/23 13:30	Sun 14/05/23 14:00	11369	L Majoo,Electrician1
11371		Check cable terminal leads for over heating	0.25 hrs	Sun 14/05/23 14:00	Sun 14/05/23 14:15	11370	L Majoo,Electrician1
11372		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 14/05/23 14:15	Sun 14/05/23 14:30	11371	L Majoo,Electrician1
11373		Seal for Moisture and dust.	0.25 hrs	Sun 14/05/23 14:30	Sun 14/05/23 14:45	11372	L Majoo,Electrician1
11374		Clear permit	0.25 hrs	Sun 14/05/23 14:45	Sun 14/05/23 15:00	11373	L Majoo,Electrician1
11375	**42D2RL03**	**REFINED ASH SCREW FEEDER B - Carry out maintenance on electrical components**	**3.5 hrs**	**Sun 14/05/23 15:00**	**Mon 15/05/23 07:30**	**11362**	
11376		Make out permit	0.25 hrs	Sun 14/05/23 15:00	Sun 14/05/23 15:15		L Majoo,Electrician1
11377		Accept permit	0.25 hrs	Sun 14/05/23 15:15	Sun 14/05/23 15:30	11376	L Majoo,Electrician1
11378		Carry out electrical isolation	0.25 hrs	Sun 14/05/23 15:30	Sun 14/05/23 15:45	11377	L Majoo,Electrician1
11379		Check loose connections in the panel	0.25 hrs	Sun 14/05/23 15:45	Sun 14/05/23 16:00	11378	L Majoo,Electrician1
11380		Check Contactor contacts/soft starter connetions	0.25 hrs	Sun 14/05/23 16:00	Sun 14/05/23 16:15	11379	L Majoo,Electrician1
11381		Confirm correct setting of protections	0.25 hrs	Sun 14/05/23 16:15	Sun 14/05/23 16:30	11380	L Majoo,Electrician1
11382		Service Stop/start	0.5 hrs	Sun 14/05/23 16:30	Sun 14/05/23 17:00	11381	L Majoo,Electrician1
11383		Check motor fan condition	0.5 hrs	Sun 14/05/23 17:00	Sun 14/05/23 17:30	11382	L Majoo,Electrician1
11384		Check cable terminal leads for over heating	0.25 hrs	Sun 14/05/23 17:30	Sun 14/05/23 17:45	11383	L Majoo,Electrician1
11385		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 14/05/23 17:45	Sun 14/05/23 18:00	11384	L Majoo,Electrician1
11386		Seal for Moisture and dust.	0.25 hrs	Mon 15/05/23 07:00	Mon 15/05/23 07:15	11385	L Majoo,Electrician1
11387		Clear permit	0.25 hrs	Mon 15/05/23 07:15	Mon 15/05/23 07:30	11386	L Majoo,Electrician1
11388		Ash Bagging and Storage Maintenance Complete	0 hrs	Sat 20/05/23 17:15	Sat 20/05/23 17:15	10636,110	
11389		SHUTDOWN MAINTENANCE COMPLETE	0 hrs	Sat 27/05/23 02:45	Sat 27/05/23 02:45	495,2811,4	
11390		PLANT START-UP PLAN	0 hrs	Sat 27/05/23 02:45	Sat 27/05/23 02:45	11389	