

UTILITY PLANT DASHBOARD

Drafted by: Slingshot Consultancy STATUS DATE: 20-May-23



Botash Project - Utility Plant - TARGET SCHEDULE Update 20 May 2023

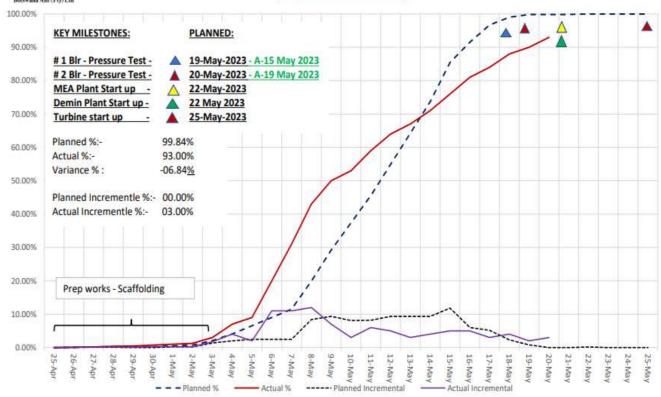
	Rev 04
Drafted by: Slingsho	ot Consultants

ID T	Task Name	%	Duration Start	Start	Finish	Actual Start	Actual Finish	Baseline Start	Baseline Finish						
		Complete	2							Mar 26	23	Apr '23	16 23	May '23	4 21 2
1	BOTSWANA - BOTASH REFURBISHMENT PROJECT 2023 - UTILITY PLANT	93%	690 hrs	Wed 3/15/23	Tue 5/23/23	Wed 3/15	NA	Wed 3/15/23	Mon 5/22/23			20 2 3	10 25	-	-
2	PROJECT MILESTONES	99%	200 hrs	Wed 5/3/23	Tue 5/23/23	Wed 5/3/23	NA	Wed 5/3/23	Mon 5/22/23					-	-11
40	SOLAR PONDS COOLING WATER LINE	100%	108.75 h	Mon 5/8/23	Thu 5/18/23	Mon 5/8/23	Thu 5/18/23	Mon 5/8/23	Thu 5/18/23	П			4 0		1
56	FLUE GAS DESULPHURISATION	100%	198.75 h	Wed 5/3/23	Mon 5/22/23	Wed 5/3/23	Mon 5/22	Wed 5/3/23	Mon 5/22/23					_	-
421	MEA SYSTEM ABSORBTION	100%	663.25 h	Wed 3/15/23	Sat 5/20/23	Wed 3/15	Sat 5/20/23	Wed 3/15/23	Sun 5/21/23		-			-	-
610	MEA SYSTEM STRIPPING	100%	183.5 hr	Wed 5/3/23	Sun 5/21/23	Wed 5/3/23	Sun 5/21/23	Wed 5/3/23	Sun 5/21/23					-	4
765	MEA SYSTEM RECLAIMER	100%	106.25 h	Fri 5/5/23	Tue 5/16/23	Fri 5/5/23	Tue 5/16/23	Fri 5/5/23	Tue 5/16/23						П
873	#1 BOILER	97%	421.5 hr	Mon 4/10/23	Mon 5/22/23	Mon 4/10	NA	Sun 4/30/23	Mon 5/22/23					+	-
1785	# 2 BOILER	88%	216 hrs	Sun 4/30/23	Sun 5/21/23	Sun 4/30/23	NA	Sun 4/30/23	Sun 5/21/23						1
2538	COAL HANDLING PLANT	54%	159.75 h	Fri 5/5/23	Sat 5/20/23	Fri 5/5/23	NA	Fri 5/5/23	Sat 5/20/23	П				-	•
2583	BOILER PLANT COMMON	92%	197.75 h	Wed 5/3/23	Mon 5/22/23	Wed 5/3/23	NA	Wed 5/3/23	Mon 5/22/23					-	-
2785	WATER TREATMENT PLANT (DEMIN PLANT)	88%	250.75 h	Thu 4/27/23	Mon 5/22/23	Thu 4/27/23	NA	Thu 4/27/23	Mon 5/22/23	П			H	-	-
3140	INSTRUMENT AIR COMPRESSOR SYSTEM	96%	174.5 hr	Mon 5/1/23	Fri 5/19/23	Mon 5/1/23	NA	Mon 5/1/23	Fri 5/19/23	3				+	1
3173	STEAM AND CONDENSATE SYSTEM	80%	164.5 hr	Thu 5/4/23	Sat 5/20/23	Thu 5/4/23	NA	Thu 5/4/23	Sat 5/20/23				- A - O	+	4
3413	TURBINE	95%	160.75 h	Fri 5/5/23	Sun 5/21/23	Fri 5/5/23	NA	Fri 5/5/23	Sun 5/21/23					-	-
3671	MV RETICULATION	99%	129 hrs	Sat 5/6/23	Thu 5/18/23	Sat 5/6/23	NA	Mon 5/8/23	Thu 5/18/23					-	1
4467	LV RETICULATION	100%	61.25 hr	Thu 5/11/23	Thu 5/18/23	Thu 5/11/23	Thu 5/18/23	Thu 5/11/23	Thu 5/18/23					-	

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UTILITY PLANT KEY MILESTONES	PLANNED	FORECAST	Variance	DAYS TO COMPLETIO	<mark>N TOP 5 RISKS</mark>
# 1 Blr Pressure Test	19-May-23	A 15/05/23	-3		
# 2 Blr Pressure Test	20-May-23	A 19/05/23	-1		1) Structural steel
# 1 Blr Fires In	23-May-23	23-May-23	0		2) Soft water Lines
# 2 Blr Fires In	24-May-23	24-May-23	0		3) Condensated Lines
Steam and Condensate on Pressure	23-May-23	23-May-23	0		4) Refractoy
MEA Plant ready for operation	22-May-23	A 18/03/23	-4		5) Stripper
Coal Plant ready for operation	22-May-23	22-May-23	0		
				DI 10/ A	. 10/

				Planned %	Actual %	
PLANT SUB-AREA:	Planned	Actual	Variance	Increment	Increment	Risk
UTILITY PLANT - OVERALL	99.84%	93.00%	-6.84%	0.00%	3.00%	
FLUE GAS DESULPHURISATION	100.00%	100.00%	0.00%	0.00%	0.00%	
MEA SYSTEM ABSORBTION	100.00%	100.00%	0.00%	0.00%	0.00%	
MEA SYSTEM STRIPPING	100.00%	100.00%	0.00%	0.00%	0.00%	
MEA SYSTEM RECLAIMER	100.00%	100.00%	0.00%	0.00%	0.00%	
# 1 BOILER	99.71%	97.00%	-2.71%	0.64%	5.00%	
# 2 BOILER	100.00%	88.00%	-12.00%	0.00%	4.00%	
COAL HANDLING PLANT	100.00%	54.00%	-46.00%	0.00%	9.00%	
BOILER PLANT COMMON	96.94%	92.00%	-4.94%	1.23%	3.00%	
WATER TREATMENT PLANT (DEMIN)	99.38%	88.00%	-11.38%	1.13%	2.00%	
INSTRUMENT AIR COMPRESSOR SYSTEM	100.00%	96.00%	-4.00%	0.00%	0.00%	
STEAM AND CONDENSATE SYSTEM	100.00%	80.00%	-20.00%	2.28%	8.00%	
TURBINE	99.50%	95.00%	-4.50%	0.60%	5.00%	
MV RETICULATION	100.00%	99.00%	-1.00%	0.00%	0.00%	
LV RETICULATION	100.00%	100.00%	0.00%	0.00%	0.00%	





LOOK AHEAD SCOPE OF WORKS	POSSIBLE RISKS	MITIGATIONS ON RISKS
Boiler 1 furnace - Box up		Low risk
Refractory	Drying - Units to be on load	Note
Coal Handling - Vibrators		
Condensate Water lines		
Instrument Air - Mechanical	Tie in	Contractor on site 17 May
Common Plant let down station V/Vs		
Instrument Air - Mechanical	Tie in	Contractor on site 17 May
Common Plant let down station V/Vs		
Demin Plant - Efluent sump		
Compressor housing - Civils works		
Scaffolding as per schedule	Scaffold removal	Daily management
Blr 1 Coalflingers to complete	To complete	
Blr 1 Coal metering screws	To complete	
Blr 2 Coalflingers to complete	To complete	
Coal Handling Plant - Conveyors	Additional repair works	Can continue after outage