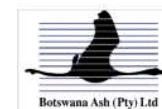




UTILITY PLANT DASHBOARD

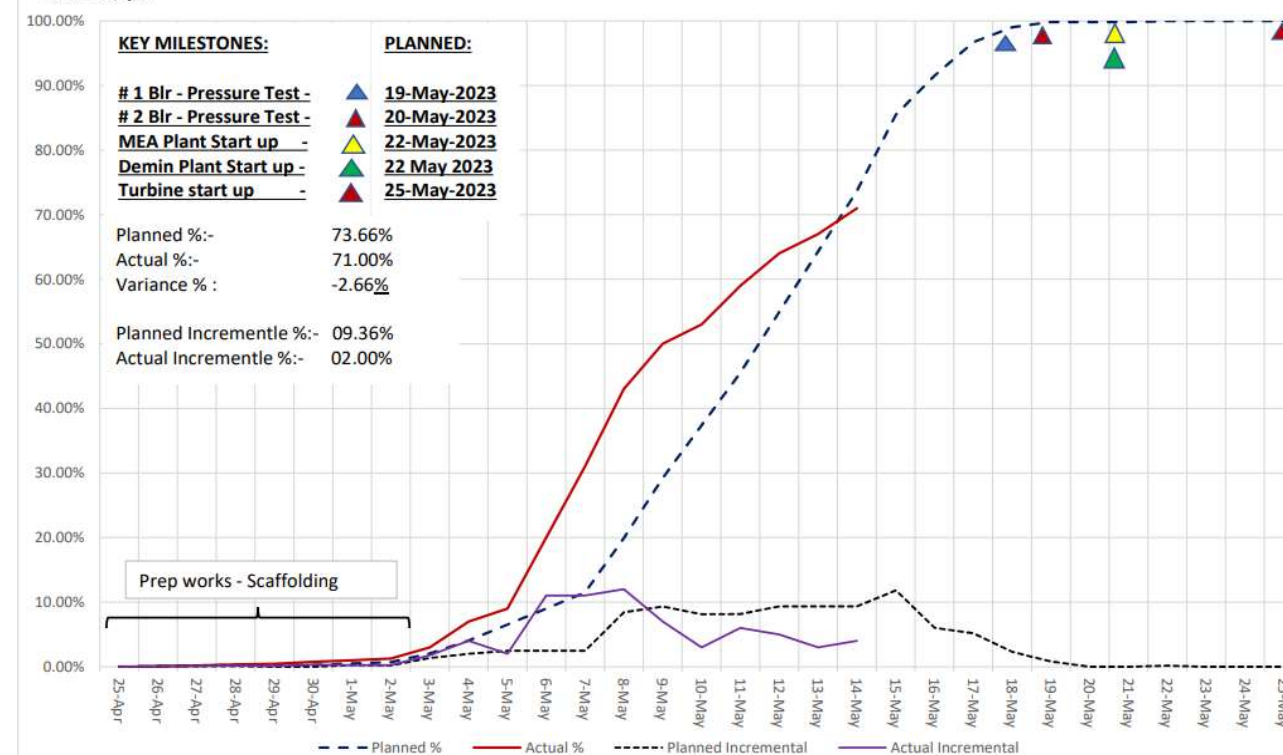
Drafted by: Slingshot Consultancy
STATUS DATE: 14-May-23

Botash Project - Utility Plant - TARGET SCHEDULE										Rev 04 Drafted by: Slingshot Consultants	
Update 14 May 2023											
ID	Task Name	% Complete	Duration	Start	Finish	Actual Start	Actual Finish	Baseline Start	Baseline Finish		
1	BOTSWANA - BOTASH REFRUBISHMENT PROJECT 2023 - UTILITY PLANT	71%	688.75 hrs	Wed 3/15/23	Mon 5/22/23	Wed 3/15/23	NA	Wed 3/15/23	Mon 5/22/23		
2	PROJECT MILESTONES	99%	198.75 hrs	Wed 5/3/23	Mon 5/22/23	Wed 5/3/23	NA	Wed 5/3/23	Mon 5/22/23		
40	SOLAR PONDS COOLING WATER LINE	43%	108.75 hrs	Mon 5/8/23	Thu 5/18/23	Mon 5/8/23	NA	Mon 5/8/23	Thu 5/18/23		
56	FLUE GAS DESULPHURISATION	90%	198.75 hrs	Wed 5/3/23	Mon 5/22/23	Wed 5/3/23	NA	Wed 5/3/23	Mon 5/22/23		
421	MEA SYSTEM ABSORBTION	80%	663.25 hrs	Wed 3/15/23	Sat 5/20/23	Wed 3/15/23	NA	Wed 3/15/23	Sun 5/21/23		
610	MEA SYSTEM STRIPPING	85%	183.5 hrs	Wed 5/3/23	Sun 5/21/23	Wed 5/3/23	NA	Wed 5/3/23	Sun 5/21/23		
765	MEA SYSTEM RECLAIMER	56%	106.25 hrs	Fri 5/5/23	Tue 5/16/23	Fri 5/5/23	NA	Fri 5/5/23	Tue 5/16/23		
873	# 1 BOILER	73%	421.5 hrs	Mon 4/10/23	Mon 5/22/23	Mon 4/10/23	NA	Sun 4/30/23	Mon 5/22/23		
1785	# 2 BOILER	63%	216 hrs	Sun 4/30/23	Sun 5/21/23	Sun 4/30/23	NA	Sun 4/30/23	Sun 5/21/23		
2538	COAL HANDLING PLANT	22%	157.75 hrs	Fri 5/5/23	Sat 5/20/23	Fri 5/5/23	NA	Fri 5/5/23	Sat 5/20/23		
2583	BOILER PLANT COMMON	71%	197.75 hrs	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)	76%	250.75 hrs	Thu 4/27/23	Mon 5/22/23	Thu 4/27/23	NA	Thu 4/27/23	Mon 5/22/23		
3140	INSTRUMENT AIR COMPRESSOR SYSTEM	15%	174.5 hrs	Mon 5/1/23	Fri 5/19/23	Mon 5/1/23	NA	Mon 5/1/23	Fri 5/19/23		
3173	STEAM AND CONDENSATE SYSTEM	45%	164.5 hrs	Thu 5/4/23	Sat 5/20/23	Thu 5/4/23	NA	Thu 5/4/23	Sat 5/20/23		
3413	TURBINE	77%	160.75 hrs	Fri 5/5/23	Sun 5/21/23	Fri 5/5/23	NA	Fri 5/5/23	Sun 5/21/23		
3671	MV RETICULATION	87%	129 hrs	Sat 5/6/23	Thu 5/18/23	Sat 5/6/23	NA	Mon 5/8/23	Thu 5/18/23		
4467	LV RETICULATION	61%	61.25 hrs	Thu 5/11/23	Thu 5/18/23	Thu 5/11/23	NA	Thu 5/11/23	Thu 5/18/23		



BOTSWANA - BOTASH REFRUBISHMENT PROJECT 2023 - UTILITY PLANT

Update:- 14 May 2023



UTILITY PLANT KEY MILESTONES	PLANNED	FORECAST	Variance	DAYS TO COMPLETION	TOP 5 RISKS	
# 1 Blr Pressure Test	19-May-23	19-May-23	0	8	1) Structural steel works 2) Soft water Lines 3) Condensated Lines 4) Refractory 5) Demin plant - Concrete	
# 2 Blr Pressure Test	20-May-23	20-May-23	0			
# 1 Blr Fires In	22-May-23	22-May-23	0			
# 2 Blr Fires In	22-May-23	22-May-23	0			
Steam and Condensate on Pressure	20-May-23	20-May-23	0			
MEA Plant ready for operation	21-May-23	19-May-23	2			
Coal Plant ready for operation	20-May-23	22-May-23	-2			
PLANT SUB-AREA:	Planned	Actual	Variance	Planned % Increment	Actual % Increment	Risk
UTILITY PLANT - OVERALL	73.66%	71.00%	-2.66%	9.36%	4.00%	
FLUE GAS DESULPHURISATION	87.47%	90.00%	2.53%	6.27%	4.00%	
MEA SYSTEM ABSORBTION	61.53%	80.00%	18.47%	0.00%	3.00%	
MEA SYSTEM STRIPPING	71.44%	85.00%	13.56%	11.03%	1.00%	
MEA SYSTEM RECLAIMER	99.74%	56.00%	-43.74%	6.21%	15.00%	
# 1 BOILER	83.78%	73.00%	-10.78%	4.50%	5.00%	
# 2 BOILER	82.39%	63.00%	-19.39%	14.52%	6.00%	
COAL HANDLING PLANT	64.97%	22.00%	-42.97%	8.35%	1.00%	
BOILER PLANT COMMON	70.99%	71.00%	0.01%	6.13%	0.00%	
WATER TREATMENT PLANT (DEMIN)	65.34%	76.00%	10.66%	10.21%	9.00%	
INSTRUMENT AIR COMPRESSOR SYSTEM	81.12%	15.00%	-66.12%	7.36%	0.00%	
STEAM AND CONDENSATE SYSTEM	45.51%	45.00%	-0.51%	9.34%	1.00%	
TURBINE	83.44%	77.00%	-6.44%	12.12%	0.00%	
MV RETICULATION	53.91%	87.00%	33.09%	14.14%	0.00%	
LV RETICULATION	41.00%	61.00%	20.00%	17.70%	0.00%	

LOOK AHEAD SCOPE OF WORKS	POSSIBLE RISKS	MITIGATIONS ON RISKS
Solar ponds - Cooling water	Late deliver of structural steel	Possible double shifts
SO2 Absorber		
A & B FG Booster fan - Silencer		
Refractory	Delivery of materials	
# A & B Booster Fans - E & I		
Lean Rich & Cool Heat exchanger		
Lean & rich Solution pumps		
CO2 Strippper & Seperator works		
Condensate Water lines	Resources	Prioritise works - transfer
Demin Plant - Tank	Corotion protection - damaged floor and walls - recast	Material available Resource allocations
Blr 1 & 2 ID Fans		
Babcock SOW - Blr 2		
Compressor housing - Civils works		
Scaffolding as per schedule	Scaffold removal	Daily management
Coal handling conveyors structures	Sructural steel insallation	Prioritise works - transfer
Bunker 2 Skincasing works		
Blr 2 Baghouse repairs		
Blr 2 Bagfilter - Bags		
Pressure Valves	Late completion	Prioritise
Water Treatment Plant		
Instrument Air - Mechanical	Behind schedule	Resoure allocations