

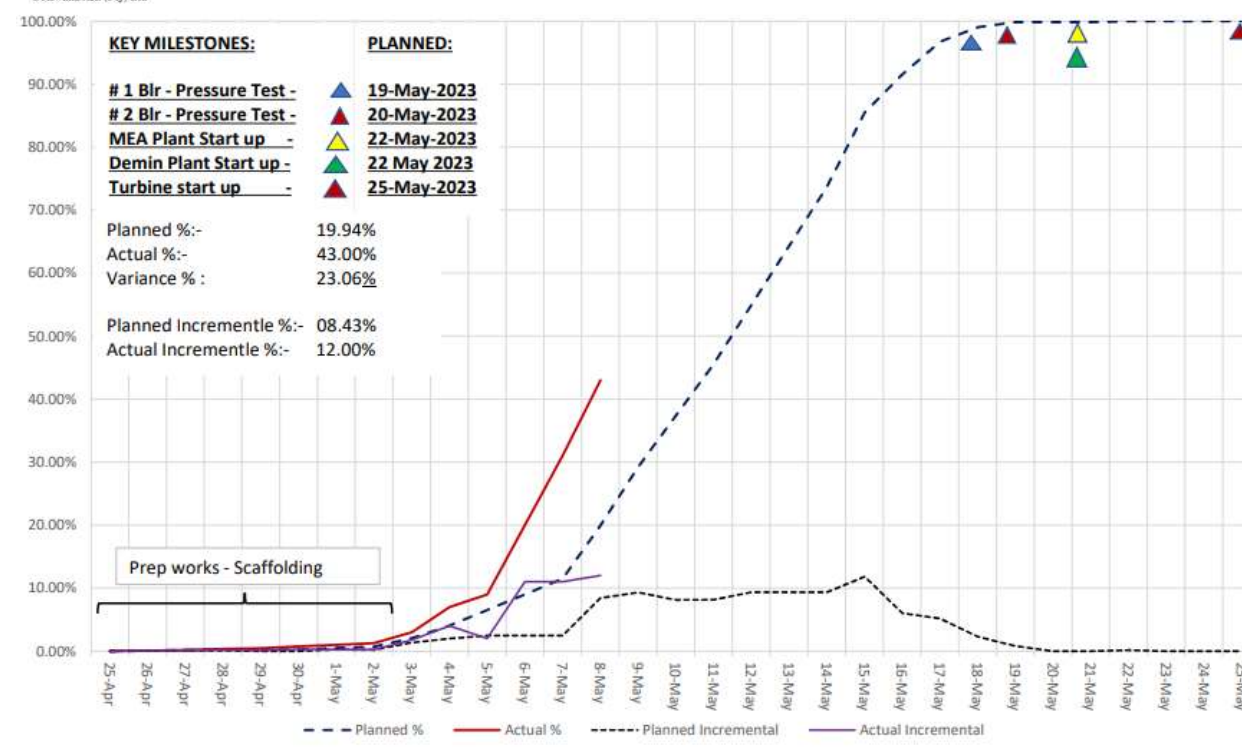
UTILITY PLANT DASHBOARD

Botash Project - Utility Plant - TARGET SCHEDULE
Update 08 May 2023

Rev 04
Drafted by: Slingshot Consultants



BOTSWANA - BOTASH REFURBISHMENT PROJECT 2023 - UTILITY PLANT Update:- 08 May 2023



UTILITY PLANT KEY MILESTONES	PLANNED	FORECAST
# 1 Blr Pressure Test	19-May-23	19-May-23
# 2 Blr Pressure Test	20-May-23	20-May-23
# 1 Blr Fires In	22-May-23	22-May-23
# 2 Blr Fires In	22-May-23	22-May-23
Steam and Condensate on Pressure	20-May-23	20-May-23
MEA Plant ready for operation	21-May-23	21-May-23
Coal Plant ready for operation	20-May-23	20-May-23

DAYS TO COMPLETION

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TOP 5 RISKS

- 1) No 2 FD Casing
 - 2) Lack of resources
 - 3) Equipment availability
 - 4) Quality
 - 5) Works execution risks
- Based on spares available

PLANT SUB-AREA:	Planned	Actual	Variance	Planned % Increment	Actual % Increment	Risk
UTILITY PLANT - OVERALL	19.94%	43.00%	23.06%	2.48%	12.00%	
FLUE GAS DESULPHURISATION	62.73%	77.00%	14.27%	12.21%	7.00%	
MEA SYSTEM ABSORBTION	39.65%	50.00%	10.35%	0.00%	7.00%	
MEA SYSTEM STRIPPING	12.51%	67.00%	54.49%	1.98%	25.00%	
MEA SYSTEM RECLAIMER	31.31%	17.00%	-14.31%	15.65%	0.00%	
# 1 BOILER	35.36%	49.00%	13.64%	4.06%	17.00%	
# 2 BOILER	12.04%	31.00%	18.96%	1.19%	3.00%	
COAL HANDLING PLANT	18.56%	5.00%	-13.56%	4.64%	0.00%	
BOILER PLANT COMMON	35.96%	43.00%	7.04%	7.35%	29.00%	
WATER TREATMENT PLANT (DEMIN)	8.79%	34.00%	25.21%	1.02%	12.00%	
INSTRUMENT AIR COMPRESSOR SYSTEM	38.24%	10.00%	-28.24%	6.40%	1.00%	
STEAM AND CONDENSATE SYSTEM	10.17%	21.00%	10.83%	1.97%	8.00%	
TURBINE	15.80%	55.00%	39.20%	4.85%	18.00%	
MV RETICULATION	0.00%	47.00%	47.00%	0.00%	29.00%	
LV RETICULATION	0.00%	52.00%	50.00%	0.00%	2.00%	

LOOK AHEAD SCOPE OF WORKS	POSSIBLE RISKS	MITIGATIONS ON RISKS
Solar ponds - Cooling water		
SO2 Absorber		
A & B FG Booster fan - Silencer		
A & B FG Booster fan - Bottom casings	No 2 Casing deliver	Track deliver
# A & B Booster Fans - E & I		
Lean Rich & Cool Heat exchanger		
Lean & rich Solution pumps		
CO2 Strippper & Seperator works		
Condensate Water lines		
A & B Reboiler works		
Compressor silencers		
Blr 1 & 2 ID Fans		
Babcock SOW - Blr 1 & 2		
Compressor housing - Civils works		
Scaffolding as per schedule		
Coal handling conveyors structures		
Bunker 2 painting works		
Bunker 1 skin casing replacement		
Blr 1 & 2 Lagging repairs		
Blr 1 & 2 Baghouse repairs		
Blr 2 Bagfilter - Bags		