

UTILITY PLANT DASHBOARD

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

Botswana Ash (Pty) Ltd

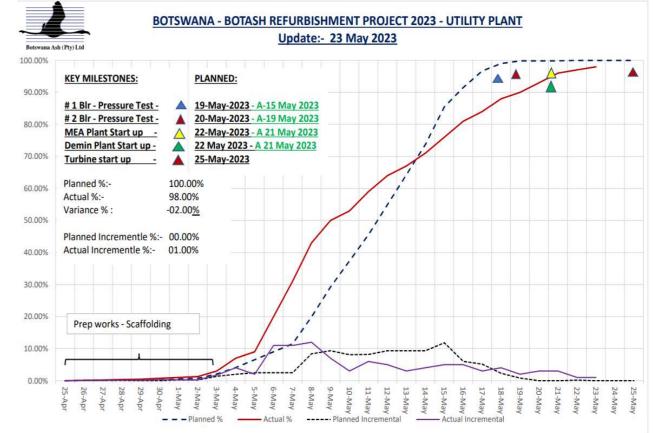
Botash Project - Utility Plant - TARGET SCHEDULE Update 23 May 2023

Rev 04 Drafted by: Slingshot Consultants

ID	Task Name	%	Duration	Start	Finish	Actual Start	Actual Finish	Baseline Start	Baseline Finish				7			
		Complete								Mar 26	77	19 26	Apr '23	16 23	May '23 30 7	14 21 2
1	BOTSWANA - BOTASH REFURBISHMENT PROJECT 2023 - UTILITY PLANT	98%	690 hrs	Wed 3/15/23	Tue 5/23/23	Wed 3/15	NA	Wed 3/15/23	Mon 5/22/23	Ш						
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						-	-
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					2 % 3		7
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						-	-
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						-	1
873	#1 BOILER	100%	421.5 hr	Mon 4/10/23	Mon 5/22/23	Mon 4/10	Mon 5/22	Sun 4/30/23	Mon 5/22/23						-	-
1785	# 2 BOILER	94%	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	75%	159.75 h	Fri 5/5/23	Sat 5/20/23	Fri 5/5/23	NA	Fri 5/5/23	Sat 5/20/23		100				-	-1
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)	97%	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						-
3140	INSTRUMENT AIR COMPRESSOR SYSTEM	100%	174.5 hr	Mon 5/1/23	Fri 5/19/23	Mon 5/1/23	Fri 5/19/23	Mon 5/1/23	Fri 5/19/23						-	-
3173	STEAM AND CONDENSATE SYSTEM	99%	164.5 hr	Thu 5/4/23	Sat 5/20/23	Thu 5/4/23	NA	Thu 5/4/23	Sat 5/20/23					2 %	-	-
3413	TURBINE	99%	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	100%	129 hrs	Sat 5/6/23	Thu 5/18/23	Sat 5/6/23	Thu 5/18/23	Mon 5/8/23	Thu 5/18/23						-	7
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							4

	WAY HELICOPHION		100/0 11	.5 III 5	0. 5/0/25	14 5/ 10/ 1	, 500 5/0/1		120/23 111011 3/0/23	1110 5/ 10/ 10	5	1 44				1 4	
4467	LV RETICULATION		100% 61	.25 hr:T	hu 5/11/23 Ti	nu 5/18/2	Thu 5/11	/23 Thu 5	/18/23 Thu 5/11/23	Thu 5/18/23	3						H
UT	ILITY PLANT KEY MILESTONES	PLA	NNED	FOI	RECAST	Var	iance	DAY	S TO COM	PLETION	TO	P 5 F	RISK	<u>S</u>			
# 1	Blr Pressure Test	19-	·May-23	3 A 1	5/05/23		-3				1						
# 2	Blr Pressure Test	20-	May-23	3 A 1	9/05/23		-1	1			1)	Str	uctı	ıral	steel		
# 1	Blr Fires In	23-	May-23	3 24-	-May-23		-1	1			2)	Sof	t wa	ater	Line	S	
# 2	Blr Fires In	24-	May-23	3 25-	-May-23		-1				3)	Cor	ndei	nsat	ed Li	nes	
Ste	am and Condensate on Pressure	23-	May-23	3 24-	-May-23		-1	1			4)	Cod	oling	g Wa	ater l	ines	
ME	A Plant ready for operation	22-	May-23	3 A 1	.8/03/23		-4		U								
Co	al Plant ready for operation	22-	May-23	3 24-	-May-23		-2	1									
		-		=				F	Planned %	Actu	ıal 9	6					

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				Planned %	Actual %	
PLANT SUB-AREA:	Planned	Actual	Variance	Increment	Increment	Risk
UTILITY PLANT - OVERALL	100.00%	98.00%	-2.00%	0.00%	1.00%	
FLUE GAS DESULPHURISATION	100.00%	100.00%	0.00%	1.76%	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	100.00%	100.00%	0.00%	0.00%	0.00%	
# 2 BOILER	100.00%	94.00%	-6.00%	0.00%	1.00%	
COAL HANDLING PLANT	100.00%	75.00%	-25.00%	0.00%	0.00%	
BOILER PLANT COMMON	100.00%	92.00%	-8.00%	0.00%	0.00%	
WATER TREATMENT PLANT (DEMIN)	100.00%	97.00%	-3.00%	0.00%	0.00%	
INSTRUMENT AIR COMPRESSOR SYSTEM	100.00%	100.00%	0.00%	0.00%	1.00%	
STEAM AND CONDENSATE SYSTEM	100.00%	99.00%	-1.00%	0.00%	10.00%	
TURBINE	100.00%	99.00%	-1.00%	0.00%	0.00%	
MV RETICULATION	100.00%	100.00%	0.00%	0.00%	0.00%	
LV RETICULATION	100.00%	100.00%	0.00%	0.00%	0.00%	
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LOOK AHEAD SCOPE OF WORKS	POSSIBLE RISKS	MITIGATIONS ON RISKS
Boiler 1 & 2 Fire up - Delayed	Incident on Condensate line	Clearance from IOM
Refractory	Drying - Units to be on load	Clearance from IOM
Coal Handling - Vibrators		
Condensate Water lines	Remaining works - LTI related	Clearance from IOM
Scaffolding as per schedule	Scaffold removal	Daily management
Blr 2 Coalflingers	To complete	
Scaffolding as per schedule	Scaffold removal	Daily management
Coal Handling Plant - Conveyors	Additional repair works	Can continue after outage
MEA Plant reclaimer replacement		
Fly Ash structures	Repairs	No impact on start up.
Soft water lines	Repairs	Daily management