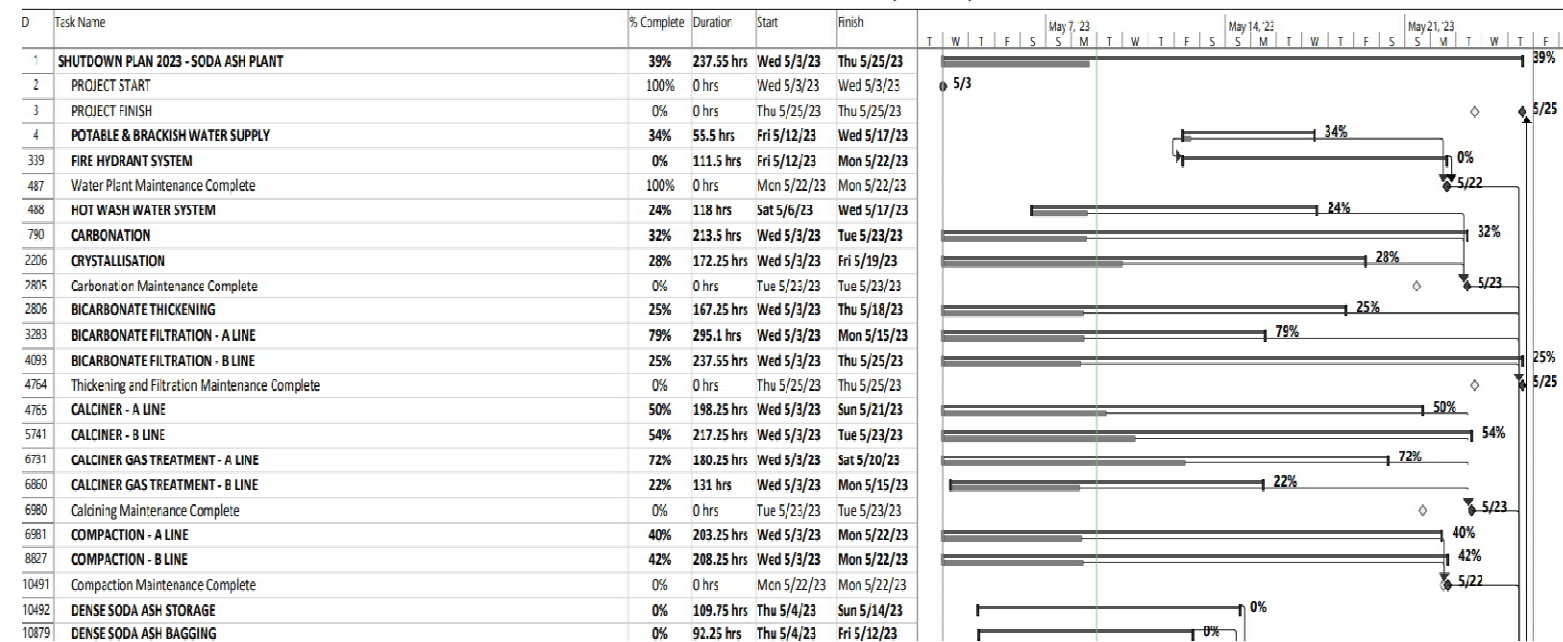




SODA ASH PLANT DASHBOARD

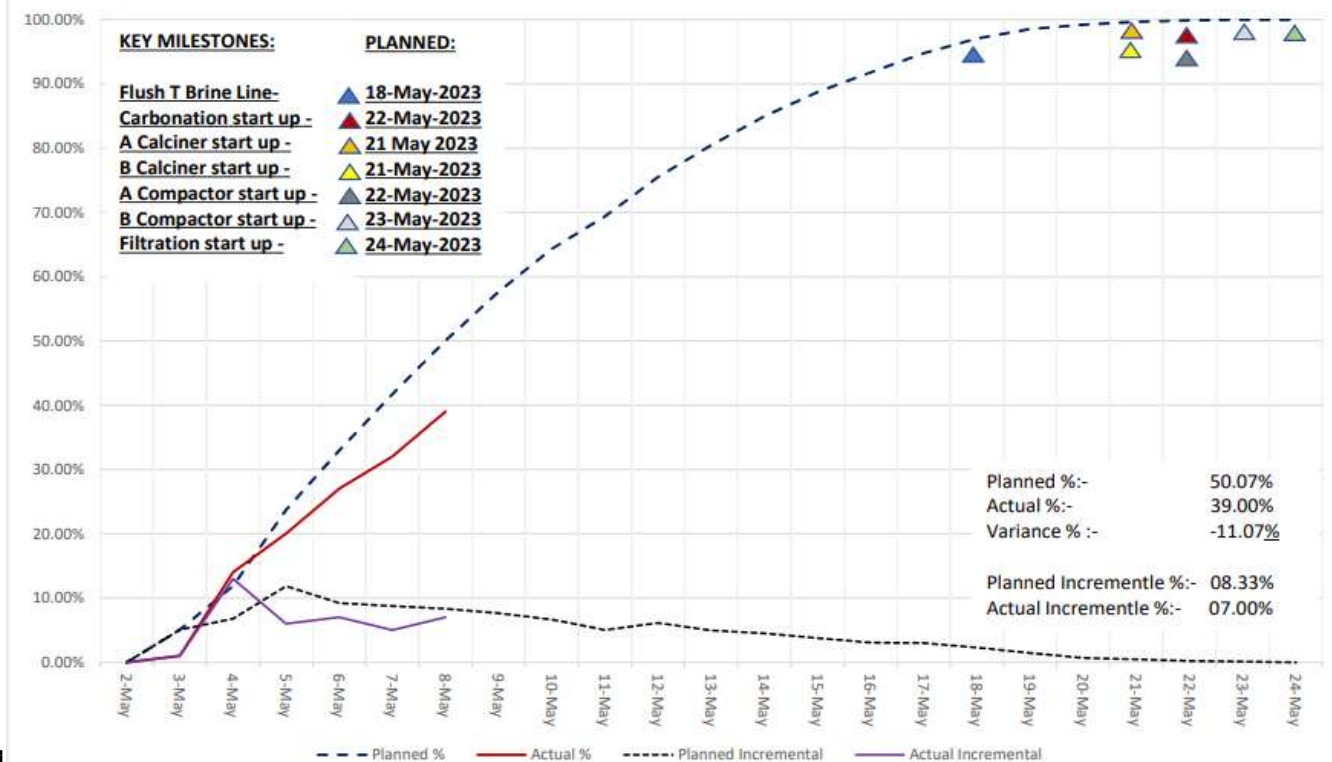
Drafted by: Slingshot Consultancy
STATUS DATE: 8-May-23

SHUTDOWN PLAN - SODA ASH PLANT 2023 - 08 May 2023 - 08 May 2023



BOTSWANA - BOTASH REFURBISHMENT PROJECT 2023 - SODA ASH PLANT

- Update:- 08 May 2023



SALT PLANT KEY MILESTONES	PLANNED	FORECAST
A Calciner	21-May-23	21-May-23
B Calciner	21-May-23	22-May-23
Salt Washing ready	22-May-23	22-May-23
Compaction A	21-May-23	17-May-23
Compaction B	22-May-23	20-May-23
Thickner scope completion	25-May-23	21-May-23
Soda Ash Plant operational	27-May-23	22-May-23

DAYS TO COMPLETION	TOP 5 RISKS
16	1) Thickner - Critical Path 2) Carbonator gearbox 3) Thickener equipment availability 4) Quality 5) Works execution risks Based on spares available

PLANT SUB-AREA:	Planned	Actual	Variance	Planned % Increment	Actual % Increment	Risk
SHUTDOWN 2023 - SODA ASH PLANT	41.47%	39.00%	-2.47%	8.76%	7.00%	
POTABLE & BRACKISH WATER	0.00%	34.00%	34.00%	0.00%	20.00%	
FIRE HYDRANT SYSTEM	0.00%	0.00%	0.00%	0.00%	0.00%	
HOT WASH WATER SYSTEM	9.25%	24.00%	14.75%	5.55%	12.00%	
CARBONATION	39.73%	32.00%	-7.73%	8.70%	7.00%	
CRYSTALLISATION	14.85%	28.00%	13.15%	5.32%	22.00%	
BICARBONATE THICKENING	37.28%	25.00%	-12.28%	20.35%	0.00%	
BICARBONATE FILTRATION - A LINE	72.52%	70.00%	-2.52%	11.75%	4.00%	
BICARBONATE FILTRATION - B LINE	54.48%	25.00%	-29.48%	4.84%	5.00%	
CALCINER - A LINE	33.85%	50.00%	16.15%	7.66%	8.00%	
CALCINER - B LINE	36.02%	54.00%	17.98%	7.76%	9.00%	
CALCINER GAS TREATMENT - A LINE	54.50%	72.00%	17.50%	4.24%	0.00%	
CALCINER GAS TREATMENT - B LINE	52.22%	22.00%	-30.22%	8.99%	0.00%	
COMPACTION - A LINE	51.37%	40.00%	-11.37%	5.73%	4.00%	
COMPACTION - B LINE	36.66%	42.00%	5.34%	10.21%	7.00%	
DENSE SODA ASH STORAGE	0.00%	0.00%	0.00%	0.00%	0.00%	
DENSE SODA ASH BAGGING	0.00%	0.00%	0.00%	0.00%	0.00%	

LOOK AHEAD SCOPE OF WORKS (L/L)	POSSIBLE RISKS	MITIGATIONS ON RISKS
Hot Wash Water cleaning		
HWW Circulation lines - replace		
Thickner S.O.W		
Hot Wash Pumps		
HWW Instrumentation works		
Cabonation Feed heaters - cleaning		
A,B,C & D Sand Filters		
Carbonation Feed tank		
A Bicarbonate Belt Conveyor - Replace		
Cloth Wash tank - relocate manhole		
Cloth Wash Pumps - Inspect		
Filtration pumps - overhaul		
Seal Water Heat Exchanger - Repair		
Vacuum Pumps - Inspection		
Electrical maint - Pumps		
Bicarb Filtration air receivers - Clean		
Belt Filters - Struct, change to S/Steel		
B Belt Filters - check bearings / ripple skirting		
Replace slide gates		
Bitterns pumps		
Filter Feed pumps		
E & I Works		
Repair Fibre glass pipelines		