

Appendix A Master Programme

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021				2022			
														Dec	Jan	Feb	Mar	Dec	Jan	Feb	Mar
Project: EP_SP_66_12-WP6D-M49 Programme for Design and Construction Works WP6D-M49														49	50	51	52				
WBS: EP_SP_66_12-WP6D-M49.01 Key Dates																					
WBS: EP_SP_66_12-WP6D-M49.01.1 Contractual Key Dates																					
WBS: EP_SP_66_12-WP6D-M49.01.1.1 Design and Construction Phase																					
01-1000	Contract Award/Date of Acceptance of Tender	0	0	100%	100%	0	Mandatory Start	22-Nov-17 A		31-Dec-21											
01-1010	Date of Commencement of the Design and the Works	0	0	100%	100%	0	Mandatory Start	15-Dec-17 A		31-Dec-21											
01-1015(3)(M12)	Original Substantial Completion of the Works	0	0	0%	0%	0	Mandatory Finish		27-Jul-24*		27-Jul-24	0									
01-1020	Extended Substantial Completion of The Works	0	0	0%	0%	0	Mandatory Finish		07-Jun-25*		07-Jun-25	0									
WBS: EP_SP_66_12-WP6D-M49.01.1.3 Extension of Time Granted																					
01-1015-1(3)(M12)	Extension of time granted (Claim No.1 to No.72) *Claim No.9 excluded	315	315	0%	0%	315		27-Jul-24	07-Jun-25	27-Jul-24	07-Jun-25	0									
WBS: EP_SP_66_12-WP6D-M49.01.2 Operation Phase																					
01-1030	Commencement of Operation	0	0	0%	0%	0		30-Jun-25	02-Aug-25	08-Jun-25	02-Aug-25	0									
01-1230	Issue Certificate of Completion of the Works (56 days after Substantial Completion)	0	0	0%	0%	0	Finish On or Befo		02-Aug-25*		02-Aug-25	0									
WBS: EP_SP_66_12-WP6D-M49.01.2 Planned Completion Dates																					
01-1030(5a)	Grid Connection Agreement (GCA)	0	0	0%	0%	0	As Late As Possil		31-Oct-23		31-Oct-23	0									
01-1040	Incoming Power Energization to IWMF Substation	0	0	0%	0%	0	Finish On		31-Oct-24*		30-Oct-24	0									
01-1050	Export Power to Grid	0	0	0%	0%	0	Finish On or After		31-Oct-24*		13-Jan-25	75									
01-1060	Issuance of FS Certificate	0	0	0%	0%	0			04-Feb-25		07-Dec-24	-59									
01-1070	Completion of Civil Provision for Transmission	0	0	0%	0%	0	Finish On		29-Dec-23*		29-Dec-23	0									
01-1080	Commencement of C1.3.4.11 System Commissioning Test	0	0	0%	0%	0	As Late As Possil	20-Feb-25		08-Dec-24		-74									
01-1090	Completion of C1.3.4.11 System Commission Test	0	0	0%	0%	0			14-Mar-25		30-Dec-24	-74									
01-1100	Physical Completion of 90 Days Plant Commissioning Test Works	0	0	0%	0%	0	As Late As Possil		26-Jun-25		17-May-25	-40									
01-1110(3)(M15)	Planned Substantial Completion of the Works	0	0	0%	0%	0	Mandatory Finish		07-Jun-25*		07-Jun-25	0									
01-1110-1(5a)	Completion of 180 Days for Installation, T&C of CCTV System and Onshore Power System at Portion 2	0	0	0%	0%	0	Finish On		26-Dec-25*		04-Dec-25	-22									
01-1110-2(5a)	Replacement of Onshore Cranes within 2 yrs at Portion 2	0	0	0%	0%	0			29-Jun-27		29-Jun-27	0									
WBS: EP_SP_66_12-WP6D-M49.01.3 Dates of Site Possessions																					
01-1120	Possession of Portion 1	0	0	100%	100%	0			15-Dec-17		29-Jun-27										
01-1130	Possession of Portion 1A	0	0	100%	100%	0			15-Dec-17		29-Jun-27										
01-1140	Possession of Portion 1B	0	0	100%	100%	0			15-Dec-17		29-Jun-27										
01-1150	Possession of Portion 2	0	0	0%	0%	0		08-Jun-25		08-Jun-25		0									
01-1160	Possession of Portion 3	0	0	0%	0%	0	As Late As Possil		24-Apr-23		05-May-23	11									
01-1170	Possession of Portion 4	0	0	0%	0%	0	As Late As Possil		24-Apr-23		05-May-23	11									
01-1180	Possession of Portion 5	0	0	0%	0%	0	As Late As Possil		24-Apr-23		05-May-23	11									
01-1190	Possession of Portion 6	0	0	0%	0%	0	Start On or After	20-Oct-24*		08-Jun-25		231									
01-1200	Possession of Portion 7	0	0	100%	100%	0	Finish On or Befo		05-Jan-18		29-Jun-27										
01-1210	Possession of Portion 7A	0	0	100%	100%	0	Finish On or Befo		07-Dec-18		29-Jun-27										
01-1210(5a)	Possession of Portion 8	0	0	100%	100%	0		29-Apr-20 A		29-Jun-27											
WBS: EP_SP_66_12-WP6D-M49.02 Contract Preliminaries																					
WBS: EP_SP_66_12-WP6D-M49.02.3 Erection of Concrete Batching Plant on Artificial Island																					
02-1100	Operation of Concrete Batching Plant	697	835	0%	0%	697		15-Aug-21 A	27-Nov-23	13-May-22	08-Apr-24	133									
WBS: EP_SP_66_12-WP6D-M49.02.4 Establishment of Public Relation Office																					
WBS: EP_SP_66_12-WP6D-M49.02.4.2 South Lantau (SLIO)																					
02-1120-1(6C)	Establishment of IWMF Information Office(s)	61	138	75.41%	75.41%	15	Finish On or Befo	30-Aug-21 A	14-Jan-22	17-Jan-22	31-Jan-22	17									
WBS: EP_SP_66_12-WP6D-M49.03 Licence/Permit Applications																					
WBS: EP_SP_66_12-WP6D-M49.03.1 License/Permit for Construction																					
03-0900	Marine Department Notification for Ground Investigation Works	60	75	100%	100%	0		15-Dec-17 A	27-Feb-18	29-Jun-27	29-Jun-27										
03-1000	Marine Department Notification for Construction Works	90	76	100%	100%	0		20-Apr-18 A	05-Jul-18 A	22-Feb-22	22-Feb-22										
03-1010	EPD Waste Producer License for Construction Works	60	90	100%	100%	0		15-Dec-17 A	15-Mar-18	29-Jun-27	29-Jun-27										
03-1020	EPD Chemical Waste Producer License for Construction Works	60	78	100%	100%	0		15-Dec-17 A	03-Mar-18	29-Jun-27	29-Jun-27										
03-1030	EPD Waste Disposal License for Construction Materials	60	12	100%	100%	0		03-Jan-18 A	15-Jan-18	29-Jun-27	29-Jun-27										
03-1040	Labour Department Notification of Construction Works	14	5	100%	100%	0	Finish On or Befo	15-Dec-17 A	20-Dec-17	29-Jun-27	29-Jun-27										
03-1050	EPD (ACPO) Notification of Construction Works	14	14	100%	100%	0	Finish On or Befo	15-Dec-17 A	28-Dec-17	29-Jun-27	29-Jun-27										
03-1070	Notice of Commencement to CIC	14	5	100%	100%	0	Finish On or Befo	15-Dec-17 A	20-Dec-17	29-Jun-27	29-Jun-27										
03-1080	CNP for Percussive Piling Works	90	90	0%	0%	90		31-Dec-21	30-Mar-22	10-Mar-25	07-Jun-25	1165									
03-1300	Perpare and Submit EP Application to Clause 1.38(6) of Spec A	7	7	100%	100%	0	Finish On or Befo	15-Dec-17 A	21-Dec-17	29-Jun-27	29-Jun-27										
03-1310(2)	Dumping Permit Application for Dredging Works	90	107	100%	100%	0		06-Nov-18 A	21-Feb-19	29-Apr-22	29-Apr-22										
03-1360(1)	Marine Department Notification for Construction Works (Seawall)	90	15	100%	100%	0	Finish On or After	10-Jan-19 A	25-Jan-19	11-Jan-22	11-Jan-22										
03-1360(2)	CNP for 24Hrs	2120	2122	41.51%	41.51%	1240		02-Aug-19 A	23-May-25	15-Jan-22	07-Jun-25	15									
03-1370(5a)	EPD Discharge License for System Commissioning	60	60	0%	0%	60		31-Dec-21	28-Feb-22	21-Jul-24	18-Sep-24	933									
03-1370_1(M34)	Landscape and Visual Plan	180	722	33.33%	33.33%	120		08-May-20 A	29-Apr-22	11-Jul-22	07-Nov-22	192									
WBS: EP_SP_66_12-WP6D-M49.03.7 Notification of Commencement of Works																					
03-1060	EMSD Notification of Commencement of Works (Lifts & Escalators)	0	0	0%	0%	0	As Late As Possil	26-Nov-23		22-Jan-24		57									
03-1060-1(6D)	EMSD Notification of Commencement of Works	0	0	0%	0%	0	As Late As Possil	19-Feb-23		25-Mar-23		34									
WBS: EP_SP_66_12-WP6D-M49.03.2 DG Licence																					
WBS: EP_SP_66_12-WP6D-M49.03.2.1 Day Tank & Fuel Oil Storage (Cat 5)																					
03-1400	General Building Plans and FSI Provision Design Submission to FSD (Cat 5)	772	772	0%	0%	772		13-Jul-22	23-Aug-24	25-Sep-22	25-Jul-24	-29									

3-Month Rolling Programme (December 2021)

- Remaining Work
- Actual Work
- Critical Remaining Work
- Actual Milestone
- Critical Milestone
- Milestone

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														Dec	Jan	Feb	Mar	Dec	Jan	Feb	Mar										
03-1410	DGD and VD Review and Approval of Submission	180	180	0%	0%	180		14-Jul-22	09-Jan-23	26-Sep-22	24-Mar-23	74																			
WBS: EP_SP_66_12-WP6D-M49.03.2.1.1 E. Gen RM for IWMF Substation																															
03-1420	DGD Compliance Inspection, Defects Rectification and Re-inspection	60	60	0%	0%	60		07-Oct-23	17-Feb-24	11-Oct-23	21-Feb-24	4																			
03-1430	VD Compliance Inspection, Defects Rectification and Re-inspection	60	60	0%	0%	60		06-Dec-23	03-Feb-24	10-Dec-23	07-Feb-24	4																			
03-1440	Issue of DG License	14	14	0%	0%	14		04-Feb-24	17-Feb-24	08-Feb-24	21-Feb-24	4																			
WBS: EP_SP_66_12-WP6D-M49.03.2.1.2 All E. Gen Rm (Other than IWMF Substation)																															
03-1450	DGD Compliance Inspection, Defects Rectification and Re-inspection	60	60	0%	0%	60		28-May-24	23-Aug-24	29-Apr-24	25-Jul-24	-29																			
03-1460	VD Compliance Inspection, Defects Rectification and Re-inspection	60	60	0%	0%	60		28-May-24	26-Jul-24	29-Apr-24	27-Jun-24	-29																			
03-1470	Issue of DG License	14	14	0%	0%	14		10-Aug-24	23-Aug-24	12-Jul-24	25-Jul-24	-29																			
WBS: EP_SP_66_12-WP6D-M49.03.2.1.3 Fuel Oil System																															
03-3850	DGD Compliance Inspection, Defects Rectification and Re-inspection	60	60	0%	0%	60		10-May-23	08-Jul-23	09-Feb-24	08-Apr-24	275																			
03-3860	VD Compliance Inspection, Defects Rectification and Re-inspection	60	60	0%	0%	60		09-Jul-23	06-Sep-23	09-Apr-24	07-Jun-24	275																			
03-3870	Issuance of DG License	14	14	0%	0%	14		07-Sep-23	20-Sep-23	08-Jun-24	21-Jun-24	275																			
WBS: EP_SP_66_12-WP6D-M49.03.2.2 Chemical Stores (all Cat)																															
03-1480	Plans and FSI Provision Design Submission to FSD	21	21	0%	0%	21	As Late As Possil	09-Dec-23	29-Dec-23	11-Oct-23	31-Oct-23	-59																			
03-1490	DGD and VD Review and Approval of Submission	180	180	0%	0%	180	As Late As Possil	30-Dec-23	26-Jun-24	01-Nov-23	28-Apr-24	-59																			
03-1500	DGD Compliance Inspection, Defects Rectification and Re-inspection	60	60	0%	0%	60		27-Jun-24	25-Aug-24	29-Apr-24	27-Jun-24	-59																			
03-1510	VD Compliance Inspection, Defects Rectification and Re-inspection	60	60	0%	0%	60		11-Jul-24	08-Sep-24	13-May-24	11-Jul-24	-59																			
03-1520	Issuance of DG License	14	14	0%	0%	14		09-Sep-24	22-Sep-24	12-Jul-24	25-Jul-24	-59																			
WBS: EP_SP_66_12-WP6D-M49.03.4 Fire Services Installations (FSI) Certificate																															
WBS: EP_SP_66_12-WP6D-M49.03.4.3 Fire Engineering Report																															
05-3000	Perparation and Submission of Fire Engineering Report to FSD	806	1131	83.25%		135		10-Apr-19 A	14-May-22	18-May-22	26-May-22	12																			
05-4450	Approval of Fire Engineering Report by FSD	550	1005	98.36%	98.36%	9		10-Apr-19 A	08-Jan-22	18-May-22	26-May-22	138																			
WBS: EP_SP_66_12-WP6D-M49.03.4.1 Fire Services Installations Certificate Inspection																															
03-1555-1(5a)	Approval of General Building Plans and FSI Provision Design Submission	0	0	0%	0%	0				13-Jul-22	25-Jul-22	12																			
03-1560	Completion of FSI Installations	0	0	0%	0%	0				22-Sep-24	25-Jul-24	-59																			
03-1570	Application for FSI inspection	15	15	0%	0%	15		23-Sep-24	07-Oct-24	26-Jul-24	09-Aug-24	-59																			
03-1580	FSD Process Application	15	15	0%	0%	15		08-Oct-24	22-Oct-24	10-Aug-24	24-Aug-24	-59																			
03-1590	FSD Initial Inspection	14	14	0%	0%	14		23-Oct-24	05-Nov-24	25-Aug-24	07-Sep-24	-59																			
03-1600	Defect Rectifications	30	30	0%	0%	30		06-Nov-24	05-Dec-24	10-Oct-24	08-Nov-24	-27																			
03-1610	Request for FSD Reinspection	15	15	0%	0%	15		06-Dec-24	20-Dec-24	09-Nov-24	23-Nov-24	-27																			
03-1620	FSD Reinspection	14	14	0%	0%	14		21-Dec-24	03-Jan-25	24-Nov-24	07-Dec-24	-27																			
WBS: EP_SP_66_12-WP6D-M49.03.4.4 Fire Services Installations Certificate Inspection for IWMF Sub-Station																															
03-3880	Completion of FSI Installations for IWMF Sub-Station	0	0	0%	0%	0	As Late As Possil	20-Jan-24	29-Apr-24	24-Jan-24	03-May-24	4																			
03-3890	Application for FSI inspection	14	14	0%	0%	14	As Late As Possil	21-Jan-24	03-Feb-24	25-Jan-24	07-Feb-24	4																			
03-3900	FSD Process Application	14	14	0%	0%	14	As Late As Possil	04-Feb-24	17-Feb-24	08-Feb-24	21-Feb-24	4																			
03-3910	FSD Initial Inspection	14	14	0%	0%	14		18-Feb-24	02-Mar-24	22-Feb-24	06-Mar-24	4																			
03-3920	Defect Rectifications	30	30	0%	0%	30		03-Mar-24	01-Apr-24	07-Mar-24	05-Apr-24	4																			
03-3930	Request for FSD Reinspection	14	14	0%	0%	14		02-Apr-24	15-Apr-24	06-Apr-24	19-Apr-24	4																			
03-3940	FSD Reinspection	14	14	0%	0%	14		16-Apr-24	29-Apr-24	20-Apr-24	03-May-24	4																			
03-3950(5a)	Obtain Fire Certificate for IWMF Substation	0	0	0%	0%	0				29-Apr-24	03-May-24	4																			
WBS: EP_SP_66_12-WP6D-M49.03.4.2 Ventilating System License Inspection																															
03-1650	Completion of Ventilating System	0	0	0%	0%	0				13-Sep-24	25-Jul-24	-59																			
03-1660	Application for Inspection	30	30	0%	0%	30		14-Sep-24	13-Oct-24	26-Jul-24	24-Aug-24	-59																			
03-1670	FSD VD Inspection	14	14	0%	0%	14		23-Oct-24	05-Nov-24	25-Aug-24	07-Sep-24	-59																			
03-1680	Defect Rectifications	28	28	0%	0%	28		06-Nov-24	03-Dec-24	08-Sep-24	05-Oct-24	-59																			
03-1690	Request for VD Reinspection	28	28	0%	0%	28		04-Dec-24	31-Dec-24	06-Oct-24	02-Nov-24	-59																			
03-1700	VD Reinspection	14	14	0%	0%	14		01-Jan-25	14-Jan-25	03-Nov-24	16-Nov-24	-59																			
03-1710	Hot Smoke Test	14	14	0%	0%	14		01-Jan-25	14-Jan-25	03-Nov-24	16-Nov-24	-59																			
03-1720	Issue Letter of Compliance	21	21	0%	0%	21		15-Jan-25	04-Feb-25	17-Nov-24	07-Dec-24	-59																			
WBS: EP_SP_66_12-WP6D-M49.03.5 Air Pollution Control (Specified Processes) License																															
03-1730(3)	Early Engagement With EPD SP Licensing Department for Information exchange	600	1130	95%	95%	30		27-Dec-18 A	29-Jan-22	09-Oct-22	07-Nov-22	282																			
03-1740(3)	Document preparation for SP License Application (upon consent of relevent DDA designs)	120	120	0%	0%	120		27-Oct-22	23-Feb-23	08-Nov-22	07-Mar-23	12																			
03-1750(3)	SP License Application Submissions and review by EPD	320	320	0%	0%	320	As Late As Possil	24-Feb-23	09-Jan-24	08-Mar-23	21-Jan-24	12																			
03-1760(3)	Public Consultation	60	60	0%	0%	60	As Late As Possil	11-Dec-23	08-Feb-24	23-Dec-23	20-Feb-24	12																			
03-1780(3)	Preparation and Submission for Trial Plan	90	90	0%	0%	90		10-Jan-24	08-Apr-24	22-Jan-24	20-Apr-24	12																			
03-1790(3)	Review and approval of Trial Plan by EPD Licensing Department	90	90	0%	0%	90		09-Apr-24	07-Jul-24	21-Apr-24	19-Jul-24	12																			
03-1830(3)	Issuance of SP License	14	14	0%	0%	14		08-Jul-24	21-Jul-24	20-Jul-24	02-Aug-24	12																			
WBS: EP_SP_66_12-WP6D-M49.03.6 Boilers and Pressure Vessels License																															
03-1840(3)	Early Engagement With LD Licensing Unit for Information exchange	180	16	100%	100%	0		14-Nov-18 A	30-Nov-18	28-Jun-23	28-Jun-23																				
03-1850(3)	Employment of Recognized Inspection Body for maker's certificate	90	110	100%	100%	0		17-Aug-18 A	05-Dec-18	09-Jul-22	09-Jul-22																				
03-1860(3)	Employment of Registered Examiner	90	90	0%	0%	90	As Late As Possil	29-Jul-22	26-Oct-22	28-Jun-23	25-Sep-23	334																			
03-1870(3)	Prepare boiler fabrication inspection plan	60	60	0%	0%	60	As Late As Possil	27-Oct-22	25-Dec-22	26-Sep-23	24-Nov-23	334																			
03-1880(3)	Submission of boiler fabrication inspection plan for License Application	21	21	0%	0%	21	As Late As Possil	26-Dec-22	15-Jan-23	25-Nov-23	15-Dec-23	334																			
03-1890(3)	Completion of Boiler off-site fabrication	0	0	0%	0%	0				15-Jan-23	15-Dec-23	334																			
03-1900(3)	Completion of Boiler off-site inspection before delivery	0	0	0%	0%	0				15-Jan-23	15-Dec-23	334																			
03-1910(3)	Completion of on-site boiler installation	0	0	0%	0%	0				21-Aug-23	15-Dec-23	116																			

3-Month Rolling Programme (December 2021)

■ Remaining Work ◆ Actual Milestone
■ Actual Work ◆ Critical Milestone
■ Critical Remaining Work
◆ Milestone

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021			2022			
														Dec	Jan	Feb	Mar	Apr	May	Jun
05-1570	Odour Control	135	1329	55.56%	25%	60		11-Jul-18 A	28-Feb-22	25-Jan-22	25-Mar-22	25								
05-1580	Plumbing (7 Packages)	210	1141	71.43%	25%	60		15-Jan-19 A	28-Feb-22	24-Feb-22	24-Apr-22	55								
05-1590	Drainage (7 Packages)	135	1141	55.56%	25%	60		15-Jan-19 A	28-Feb-22	20-Jan-22	20-Mar-22	20								
05-1600	ELV (7 Packages)	135	1146	55.56%	25%	60		10-Jan-19 A	28-Feb-22	12-Mar-22	10-May-22	71								
05-1610	Lifts and Escalators (2 Packages)	135	792	55.56%	5%	60		30-Dec-19 A	28-Feb-22	13-Mar-22	11-May-22	72								
05-1770	Vehicle & Container Wash System	105	105	0%	0%	105		31-Dec-21	14-Apr-22	14-Mar-22	26-Jun-22	73								
05-1770-1(M20)	Water Cannon System	135	964	77.78%	45%	30		11-Jun-19 A	29-Jan-22	12-Jan-22	10-Feb-22	12								
WBS: EP_SP_66_12-WP6D-M49.05.01.04 AIP Mechanical Treatment Plant Building (2.4)		1066	1107	91.56%		90		20-Mar-19 A	30-Mar-22	31-Dec-21	17-Aug-23	505								
05-1650	Foundation design (2.4.01)	135	968	55.56%	5%	60		07-Jul-19 A	28-Feb-22	24-Feb-22	24-Apr-22	55								
05-1660	Structural design (2.4.02)	457	1015	86.87%	5%	60		21-May-19 A	28-Feb-22	05-Jun-22	03-Aug-22	156								
05-1670	Electrical and instrumentation works design (2.4.03)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	30-Mar-22	17-Aug-23	505								
05-1680	Mechanical works design (2.4.04)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	29-Nov-22	26-Feb-23	333								
05-1690	Fire services installation design (2.4.05) (3 Packages)	135	1077	55.56%	5%	60		20-Mar-19 A	28-Feb-22	27-Jan-22	27-Mar-22	27								
WBS: EP_SP_66_12-WP6D-M49.05.01.04.7 Building services design (excluding fire services installation design) (2.4.06)		1051	1072	94.77%		55		20-Mar-19 A	23-Feb-22	31-Dec-21	10-Jun-22	107								
05-1710	MVAC	135	1042	77.78%	5%	30		25-Mar-19 A	29-Jan-22	24-Feb-22	25-Mar-22	55								
05-1720	Odour Control	75	75	26.67%	5%	55		11-Dec-21 A	23-Feb-22	31-Dec-21	23-Feb-22	0								
05-1740	Drainage	135	1047	77.78%	5%	30		20-Mar-19 A	29-Jan-22	19-Feb-22	20-Mar-22	50								
05-1760	Lifts	135	762	77.78%	5%	30		30-Dec-19 A	29-Jan-22	12-May-22	10-Jun-22	132								
05-1760-1(M20)	Building Management System (BMS)	5	166	0%	5%	30		17-Aug-21 A	29-Jan-22	04-Jan-22	02-Feb-22	4								
WBS: EP_SP_66_12-WP6D-M49.05.01.05 AIP Wastewater Treatment Plant (2.5)		1170	1165	92.74%		85		16-Jan-19 A	25-Mar-22	31-Dec-21	10-Apr-22	16								
05-2790	Fire services installation design (2.5.05)	135	1140	55.56%	5%	60		16-Jan-19 A	28-Feb-22	27-Jan-22	27-Mar-22	27								
WBS: EP_SP_66_12-WP6D-M49.05.01.05.7 Building services design (excluding fire services installation design) (2.5.06)		1170	1165	92.74%		85		16-Jan-19 A	25-Mar-22	31-Dec-21	10-Apr-22	16								
05-1830	LV and Emergency Power Distribution Design (2.5.06.01)	135	1140	55.56%	25%	60		16-Jan-19 A	28-Feb-22	10-Feb-22	10-Apr-22	41								
05-1840	MVAC (2.5.06.02)	135	1140	55.56%	25%	60		16-Jan-19 A	28-Feb-22	09-Feb-22	09-Apr-22	40								
05-1850	Odour Control (2.5.06.03)	105	206	19.05%	5%	85		01-Sep-21 A	25-Mar-22	31-Dec-21	25-Mar-22	0								
05-1860	Plumbing (2.5.06.04)	135	1140	55.56%	25%	60		16-Jan-19 A	28-Feb-22	25-Jan-22	25-Mar-22	25								
05-1870	Drainage (2.5.06.05)	135	1140	55.56%	25%	60		16-Jan-19 A	28-Feb-22	20-Jan-22	20-Mar-22	20								
05-1880	ELV (2.5.06.06)	135	1140	55.56%	25%	60		16-Jan-19 A	28-Feb-22	10-Feb-22	10-Apr-22	41								
WBS: EP_SP_66_12-WP6D-M49.05.01.06 AIP Water Treatment Plant Building (2.6)		1036	1107	91.31%		90		20-Mar-19 A	30-Mar-22	10-Jan-22	04-Jul-22	96								
05-1910	Foundation design (2.6.01)	60	60	0%	0%	60		31-Dec-21	28-Feb-22	24-Feb-22	24-Apr-22	55								
05-1920	Structural design (2.6.02)	90	708	33.33%	5%	60		23-Mar-20 A	28-Feb-22	06-May-22	04-Jul-22	126								
05-1950	Fire services installation design (2.6.05) (3 Packages)	135	1077	55.56%	5%	60		20-Mar-19 A	28-Feb-22	27-Jan-22	27-Mar-22	27								
WBS: EP_SP_66_12-WP6D-M49.05.01.06.7 Building services design (excluding fire services installation design) (2.6.06)		135	1107	33.33%		90		20-Mar-19 A	30-Mar-22	10-Jan-22	09-Apr-22	10								
05-1970	MVAC	135	1102	33.33%	5%	90		25-Mar-19 A	30-Mar-22	10-Jan-22	09-Apr-22	10								
05-2000	Drainage	135	1077	55.56%	5%	60		20-Mar-19 A	28-Feb-22	20-Jan-22	20-Mar-22	20								
WBS: EP_SP_66_12-WP6D-M49.05.01.07 AIP Administration Building (2.7)		882	976	89.8%		90		29-Jul-19 A	30-Mar-22	25-Jan-22	18-Jan-23	294								
05-2030	Foundation design (2.7.01)	60	60	0%	0%	60		31-Dec-21	28-Feb-22	01-Nov-22	30-Dec-22	305								
05-2040	Structural design (2.7.02)	135	946	55.56%	65%	60		29-Jul-19 A	28-Feb-22	20-Nov-22	18-Jan-23	324								
05-2050	Electrical and instrumentation works design (2.7.03)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	07-Sep-22	05-Dec-22	250								
05-2060	Fire services installation design (3 Packages) (2.7.04)	135	910	55.56%	5%	60		03-Sep-19 A	28-Feb-22	27-Jan-22	27-Mar-22	27								
WBS: EP_SP_66_12-WP6D-M49.05.01.07.6 Building services design (excluding fire services installation design) (2.7.05)		227	910	73.57%		60		03-Sep-19 A	28-Feb-22	25-Jan-22	11-May-22	72								
05-2080	MVAC	135	910	55.56%	65%	60		03-Sep-19 A	28-Feb-22	25-Jan-22	25-Mar-22	25								
05-2130	Lifts and Escalators	135	792	55.56%	5%	60		30-Dec-19 A	28-Feb-22	13-Mar-22	11-May-22	72								
WBS: EP_SP_66_12-WP6D-M49.05.01.08 AIP IWMF Substation (2.8)		135	1144	89.63%		14		27-Nov-18 A	13-Jan-22	14-Mar-22	27-Mar-22	73								
05-2190	Fire services installation design (2.8.05) (2 Packages)	135	1144	89.63%	5%	14		27-Nov-18 A	13-Jan-22	14-Mar-22	27-Mar-22	73								
WBS: EP_SP_66_12-WP6D-M49.05.01.1 AIP Chimney		151	192	40.4%		90		20-Sep-21 A	30-Mar-22	15-Feb-22	26-May-22	57								
WBS: EP_SP_66_12-WP6D-M49.05.01.1.1 Building services design (excluding fire services installation design)		151	192	40.4%		90		20-Sep-21 A	30-Mar-22	15-Feb-22	26-May-22	57								
05-5430(5a)	Electrical Services and Lighting	90	151	45.56%	5%	49		20-Sep-21 A	17-Feb-22	20-Feb-22	09-Apr-22	51								
05-5440(5a)	MVAC	90	151	45.56%	5%	49		20-Sep-21 A	17-Feb-22	20-Feb-22	09-Apr-22	51								
05-5450(5a)	Plumbing	90	151	45.56%	5%	49		20-Sep-21 A	17-Feb-22	22-Mar-22	09-May-22	81								
05-5460-1(5a)	Drainage	90	151	45.56%	5%	49		20-Sep-21 A	17-Feb-22	15-Feb-22	04-Apr-22	46								
05-5470(5a)	ELV	90	151	45.56%	5%	49		20-Sep-21 A	17-Feb-22	07-Apr-22	25-May-22	97								
05-5480-2(5a)	Lift	90	90	0%	0%	90		31-Dec-21	30-Mar-22	26-Feb-22	26-May-22	57								
05-5490(5a)	Building Management System (BMS)	90	90	72.22%	5%	25		27-Oct-21 A	24-Jan-22	23-Feb-22	19-Mar-22	54								
WBS: EP_SP_66_12-WP6D-M49.05.01.4 AIP Elevated Drive Way and Associated Structures Foundation		319	1191	67.08%		105		10-Jan-19 A	14-Apr-22	04-Jan-22	10-May-22	26								
WBS: EP_SP_66_12-WP6D-M49.05.01.4.1 Building services design (excluding fire services installation design)		319	1191	67.08%		105		10-Jan-19 A	14-Apr-22	04-Jan-22	10-May-22	26								
05-5550	Building Management System (BMS)	105	729	42.86%	25%	60		02-Mar-20 A	28-Feb-22	04-Jan-22	04-Mar-22	4								
05-7090	Electrical Services and Lighting	105	1146	42.86%	5%	60		10-Jan-19 A	28-Feb-22	25-Jan-22	25-Mar-22	25								
05-7100	MVAC	105	415	42.86%	5%	60		10-Jan-21 A	28-Feb-22	25-Jan-22	25-Mar-22	25								
05-7110	Plumbing	105	105	0%	0%	105		31-Dec-21	14-Apr-22	10-Jan-22	24-Apr-22	10								
05-7120	Drainage	105	1141	42.86%	5%	60		15-Jan-19 A	28-Feb-22	20-Jan-22	20-Mar-22	20								
05-7130	ELV	105	105	0%	0%	105		31-Dec-21	14-Apr-22	26-Jan-22	10-May-22	26</								

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021		2022	
														Dec	Jan	Feb	Mar
05-7170	Drainage	105	1141	42.86%	5%	60		15-Jan-19 A	28-Feb-22	20-Jan-22	20-Mar-22	20					
05-7180	ELV	105	105	0%	0%	105		31-Dec-21	14-Apr-22	26-Jan-22	10-May-22	26					28-Feb-22, Drainage, Drainage
WBS: EP_SP_66_12-WP6D-M49.05.01.6 AIP CCCW Building																	
WBS: EP_SP_66_12-WP6D-M49.05.01.6.1 Building services design (excluding fire services installation design)																	
05-7190	Electrical Services and Lighting	105	1146	42.86%	5%	60		10-Jan-19 A	28-Feb-22	25-Jan-22	25-Mar-22	25					28-Feb-22, Electrical Services
05-7200	MVAC	105	1146	42.86%	5%	60		10-Jan-19 A	28-Feb-22	25-Jan-22	25-Mar-22	25					28-Feb-22, MVAC, MVAC, 28
05-7210	Plumbing	105	105	0%	0%	105		31-Dec-21	14-Apr-22	10-Jan-22	24-Apr-22	10					31-Dec-21
05-7220	Drainage	105	1141	42.86%	5%	60		15-Jan-19 A	28-Feb-22	20-Jan-22	20-Mar-22	20					28-Feb-22, Drainage, Drainage
05-7230	ELV	105	105	0%	0%	105		31-Dec-21	14-Apr-22	26-Jan-22	10-May-22	26					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.01.09 AIP Air Quality Monitoring Stations (2.9)																	
05-2250	Design of the Air Quality Monitoring Stations (2.9.01)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	11-Jan-22	10-Apr-22	11					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.01.10 AIP Roads and Utilities (2.10)																	
WBS: EP_SP_66_12-WP6D-M49.05.01.10.4 Water supply system design on the Artificial Island (2.10.04)																	
05-2360	Water Tanks (2.10.04.05)	135	135	0%	0%	135		31-Dec-21	14-May-22	15-Jan-23	29-May-23	380					31-Dec-21
05-2370	External FS Systems (2.10.04.06)	135	848	55.56%	5%	60		04-Nov-19 A	28-Feb-22	31-Mar-23	29-May-23	455					28-Feb-22, External FS Systems
05-2370-2(M24)	Building Services system for seawater intake (2.10.04.09)	90	690	66.67%	5%	30		11-Mar-20 A	29-Jan-22	30-Apr-23	29-May-23	485					29-Jan-22, Building Services system for seawater intake (2
05-2370-3(5a)	Chemical scrubber system for odour control (2.10.04.10)	90	449	0%	45%	90		06-Jan-21 A	30-Mar-22	01-Mar-23	29-May-23	425					
WBS: EP_SP_66_12-WP6D-M49.05.01.10.6 Design of telecommunication and other utilities (2.10.06)																	
05-2380	Power Distribution System concept / schematics (2.10.06.01)	135	428	55.56%	5%	60		28-Dec-20 A	28-Feb-22	19-Aug-23	17-Oct-23	596					28-Feb-22, Power Distribution
05-2410	Site ELV Network System - Communications System concept / schematics (2.10.06.04)	135	722	55.56%	5%	60		09-Mar-20 A	28-Feb-22	19-Aug-23	17-Oct-23	596					28-Feb-22, Site ELV Network
05-2420	Site ELV Network System - Security Systems concept / schematics (2.10.06.05)	135	722	55.56%	5%	60		09-Mar-20 A	28-Feb-22	19-Aug-23	17-Oct-23	596					28-Feb-22, Site ELV Network
05-2430	Site ELV Network System - Navigation aids concept / schematics (2.10.06.06)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	20-Jan-23	02-Oct-23	536					31-Dec-21
05-2440	Microwave transmission of FS direct link (2.10.06.07)	135	1160	77.78%	45%	30		27-Nov-18 A	29-Jan-22	20-Jul-23	18-Aug-23	566					29-Jan-22, Microwave transmission of FS direct link (2.10.0
05-2450	Fuel Handling System concept / schematics (2.10.06.08)	135	767	55.56%	5%	60		24-Jan-20 A	28-Feb-22	31-Mar-23	29-May-23	455					28-Feb-22, Fuel Handling Sys
05-3840-1(M22)	Automatic Traffic Control System (ATCS) (2.10.06.12)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	15-Feb-24	14-May-24	776					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.01.10.7 Utility ducts/Pipebridges design (2.10.25)																	
05-2460	Design of Pipe / Utilities Trenches concept (2.10.06.09.01)	105	550	42.86%	5%	60		28-Aug-20 A	28-Feb-22	04-Aug-23	02-Oct-23	581					28-Feb-22, Design of Pipe / U
05-2470	Sitewide Utilities Trenches Design (2.10.06.09.02)	105	550	42.86%	5%	60		28-Aug-20 A	28-Feb-22	05-Feb-23	05-Apr-23	401					28-Feb-22, Sitewide Utilities
WBS: EP_SP_66_12-WP6D-M49.05.01.10.7.3 Layout Plan for Pipe Bridge Network																	
05-6010	Pipebridge B	60	60	0%	0%	60		31-Dec-21	28-Feb-22	31-Dec-21	20-Apr-22	51					28-Feb-22, Pipebridge B
05-6020	Pipebridge C	60	60	0%	0%	60		31-Dec-21	28-Feb-22	20-Feb-22	20-Apr-22	51					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.01.10.7.2 Structure Plan for Pipe Bridge B & C																	
05-6070	Pipebridge B	105	1239	42.86%	5%	60		09-Oct-18 A	28-Feb-22	31-Dec-21	20-Apr-22	51					Pipebridge B, 28-Feb-22, 28-
05-6080	Pipebridge C	135	1239	55.56%	5%	60		09-Oct-18 A	28-Feb-22	20-Feb-22	20-Apr-22	51					28-Feb-22, Pipebridge C, Pip
WBS: EP_SP_66_12-WP6D-M49.05.01.11 AIP Architectural Finishes and Landscaping Works (2.11)																	
WBS: EP_SP_66_12-WP6D-M49.05.01.11.1 External and internal finishes design for Incineration Plant Buildings																	
05-2510	External and internal finishes design for Incineration Plant Building (2.11.01)	105	636	71.43%	5%	30		04-May-20 A	29-Jan-22	03-Feb-22	04-Mar-22	34					29-Jan-22, External and internal finishes design for Incinerat
05-2530	External and internal finishes design for Turbine Hall Building	105	636	71.43%	5%	30		04-May-20 A	29-Jan-22	12-Feb-22	13-Mar-22	43					29-Jan-22, External and internal finishes design for Turbine H
05-2540	External and internal finishes design for CCCW Building	105	636	71.43%	5%	30		04-May-20 A	29-Jan-22	12-Feb-22	13-Mar-22	43					29-Jan-22, External and internal finishes design for CCCW B
05-2550	External and internal finishes design for Chimney	60	60	0%	5%	60		31-Dec-21	28-Feb-22	13-Jan-22	13-Mar-22	13					28-Feb-22, External and inter
05-2560	External and internal finishes design for Reception Pavilion	105	671	71.43%	5%	30		30-Mar-20 A	29-Jan-22	12-Feb-22	13-Mar-22	43					29-Jan-22, External and internal finishes design for Receptio
05-2570	External and internal finishes design for MT Plant Building (2.11.02)	105	643	71.43%	5%	30		27-Apr-20 A	29-Jan-22	12-Feb-22	13-Mar-22	43					29-Jan-22, External and internal finishes design for MT Plan
05-2580	External and internal finishes design for the Wastewater Treatment Plant (2.11.03)	105	636	71.43%	25%	30		04-May-20 A	29-Jan-22	12-Feb-22	13-Mar-22	43					29-Jan-22, External and internal finishes design for the Was
05-2590	External and internal finishes design for the Water Treatment Plant Building (2.11.04)	105	278	71.43%	25%	30		27-Apr-21 A	29-Jan-22	12-Feb-22	13-Mar-22	43					29-Jan-22, External and internal finishes design for the Wate
05-2600	External and internal finishes design for the Administration Building (2.11.05)	105	643	71.43%	5%	30		27-Apr-20 A	29-Jan-22	12-Feb-22	13-Mar-22	43					29-Jan-22, External and internal finishes design for the Adm
05-2610	External and internal finishes design for the IWMF Substation (2.11.06)	105	671	71.43%	45%	30		30-Mar-20 A	29-Jan-22	12-Feb-22	13-Mar-22	43					29-Jan-22, External and internal finishes design for the IWM
WBS: EP_SP_66_12-WP6D-M49.05.01.11.7 Landscaping Works (2.11.07)																	
05-2620	Landscape Masterplan & Landscape Design for Water Feature (2.11.07.01)	105	620	42.86%	5%	60		19-Jun-20 A	28-Feb-22	20-Jan-22	20-Mar-22	20					28-Feb-22, Landscape Maste
05-2920_1(M34)	Landscape Architectural Design for Turbine Hall Building (2.11.07.04)	105	662	42.86%	5%	60		08-May-20 A	28-Feb-22	20-Jan-22	20-Mar-22	20					28-Feb-22, Landscape Archi
05-2920_2(M34)	Landscape Architectural Design for Reception Pavilion (2.11.07.06)	105	662	42.86%	5%	60		08-May-20 A	28-Feb-22	20-Jan-22	20-Mar-22	20					28-Feb-22, Landscape Archi
05-2920_3(M34)	Landscape Architectural Design for MT Plant Building and Water Treatment Plant Building (2.11.07.07)	105	662	42.86%	5%	60		08-May-20 A	28-Feb-22	20-Jan-22	20-Mar-22	20					28-Feb-22, Landscape Archi
05-2920_4(M34)	Landscape Architectural Design for Administration Building (2.11.07.08)	105	662	42.86%	5%	60		08-May-20 A	28-Feb-22	20-Jan-22	20-Mar-22	20					28-Feb-22, Landscape Archi
05-2920_5(M34)	Landscape Architectural Design for IWMF Substation (2.11.07.09)	105	662	42.86%	5%	60		08-May-20 A	28-Feb-22	20-Jan-22	20-Mar-22	20					28-Feb-22, Landscape Archi
05-2920_6(M34)	Landscape Architectural Design for Process Building (2.11.07.10)	105	662	42.86%	5%	60		08-May-20 A	28-Feb-22	20-Jan-22	20-Mar-22	20					28-Feb-22, Landscape Archi
WBS: EP_SP_66_12-WP6D-M49.05.01.11.9 External and internal finishes design for Elevated Driveway																	
05-5410	External and internal finishes design for Elevated Driveway	105	636	71.43%	25%	30		04-May-20 A	29-Jan-22	12-Feb-22	13-Mar-22	43					29-Jan-22, External and internal finishes design for Elevated
WBS: EP_SP_66_12-WP6D-M49.05.01.12 AIP Testing and Commissioning (2.12)																	
05-2650-1(5)	Factory Acceptance Testing plan (2.12.01.02-07) (8 Packages)	105	1043	42.86%	5%	60		23-Apr-19 A	28-Feb-22	29-Jun-22	27-Aug-22	180					28-Feb-22, Factory Acceptan
05-2660	Site Acceptance Testing plan (2.12.02)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	08-Sep-23	21-Dec-23	616					31-Dec-21
05-2670	System commissioning plan (2.12.03)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	22-Feb-24	05-Jun-24	783					31-Dec-21
05-2680	Plant commissioning plan (2.12.04)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	04-Jun-24	16-Sep-24	886					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.01.13 AIP Transportation Facilities for the Operation (2.13)																	
05-2690	Design of vehicles for MSW and Ash and Residues delivery (2.13.01)	105	610	42.86%	5%	60		29-Jun-20 A	28-Feb-22	15-Aug-23	13-Oct-23	592					28-Feb-22, Design of vehicles
05-2700	Design of marine vessels for the use of the Employer and visitors (2.13.02)	105	539	42.86%	5%	60		08-Sep-20 A	28-Feb-22	19-Sep-23	17-Nov-23	627					28-Feb-22, Design of marine
WBS: EP_SP_66_12-WP6D-M49.05.01.14 AIP Miscellaneous Works (2.14)																	
05-2720	Design of visitors and environmental education facilities (2.14.02)	105	603	42.86%	5%	60		06-Jul-20 A	28-Feb-22	12-Mar-23	10-May-23	436					28-Feb-22, Design of visitors
WBS: EP_SP_66_12-WP6D-M49.05.01.15 AIP Miscellaneous Detailing (2.15)																	
05-2730	Covered walkway at passenger berth (2.15.02)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	09-Jan-22	23-Apr-22	9					31-Dec-21

3-Month Rolling Programme (December 2021)

- Remaining Work
- Actual Work
- Critical Remaining Work
- Actual Milestone
- Critical Milestone
- Milestone

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021		2022	
														Dec 49	Jan 50	Feb 51	Mar 52
05-3390-8(M46)	Software Detail Design for Process Island SIL	105	447	42.86%	65%	60		09-Dec-20 A	28-Feb-22	26-Jun-22	24-Aug-22	177					
05-3420	Automatic License Plate and Container Recognition System (ALPCRS)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	27-May-22	24-Aug-22	147					28-Feb-22, Software Detail D
WBS: EP_SP_66_12-WP6D-M49.05.02.03.5 Mechanical works design (2.3.16)		1142	1947	21.63%		895		13-Feb-19 A	12-Jun-24	05-Feb-22	13-May-24	-30					
WBS: EP_SP_66_12-WP6D-M49.05.02.03.5.1 Plant and Equipment		1142	1947	21.63%		895		13-Feb-19 A	12-Jun-24	09-Jun-22	13-May-24	-30					
05-3580	Weightbridge Systems	105	105	0%	0%	105		31-Dec-21	14-Apr-22	09-Jun-22	21-Sep-22	160					
05-3590	Waste Crane and Grapple System	105	517	42.86%	5%	60		30-Sep-20 A	28-Feb-22	22-Oct-22	20-Dec-22	295					28-Feb-22, Waste Crane and
05-3600	Mechanical Shredder	105	553	0%	5%	105		09-Oct-20 A	14-Apr-22	07-Sep-22	20-Dec-22	250					
05-3610	Incineration System (9 Packages)	105	1096	58.1%	5%	44		13-Feb-19 A	12-Feb-22	25-Sep-22	07-Nov-22	268					12-Feb-22, Incineration System (9 Packages)
05-3620	Heat Recovery Boiler (8 Packages)	105	1003	58.1%	5%	44		17-May-19 A	12-Feb-22	10-Jun-22	23-Jul-22	161					12-Feb-22, Heat Recovery Boiler (8 Packages)
05-3630	Boiler Feed Water Systems (4 Packages)	105	929	71.43%	45%	30		16-Jul-19 A	29-Jan-22	10-Jan-23	08-Feb-23	375					29-Jan-22, Boiler Feed Water Systems (4 Packages), Boile
05-3640	Ash cranes	30	325	100%	65%	0		09-Feb-21 A	31-Dec-21	20-Dec-22	20-Dec-22	355					31-Dec-21, Ash cranes, Ash cranes, 31-Dec-21
05-3650	Leachate collection and treatment	105	1352	71.43%	5%	30	As Late As Possil	30-Sep-20 A	12-Jun-24	14-Apr-24	13-May-24	-30					
05-3790	Flue Gas Treatment System (12 Packages)	105	868	42.86%	25%	60		15-Oct-19 A	28-Feb-22	09-Sep-22	07-Nov-22	252					28-Feb-22, Flue Gas Treatme
05-3800	Boiler ash and APC residue handling and solidification	105	630	42.86%	45%	60		09-Jun-20 A	28-Feb-22	17-Dec-23	14-Feb-24	716					28-Feb-22, Boiler ash and AP
05-3810	Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PRDS)	105	549	71.43%	5%	30		30-Jul-20 A	29-Jan-22	09-Oct-22	07-Nov-22	282					29-Jan-22, Steam Turbine Generator (STG) and Pressure Re
05-3820	Air cooled condenser	105	549	71.43%	5%	30		30-Jul-20 A	29-Jan-22	29-Oct-22	27-Nov-22	302					29-Jan-22, Air cooled condenser, Air cooled condenser, 29-
05-3825(3)	Closed Circuit Cooling Water System	105	519	100%	5%	0		30-Jul-20 A	31-Dec-21	27-Nov-22	27-Nov-22	332					31-Dec-21, Closed Circuit Cooling Water System, Closed Circuit Cooling Water System, 3
05-3830	Compressed Air Plants	105	1078	75.24%	5%	26		13-Feb-19 A	25-Jan-22	29-Aug-22	23-Sep-22	241					25-Jan-22, Compressed Air Plants, Compressed Air Plants, 25-
WBS: EP_SP_66_12-WP6D-M49.05.02.03.5.2 Process Pipeworks (Incl. Ductworks) and Valves		562	1020	89.32%		60		16-May-19 A	28-Feb-22	11-Mar-22	05-Feb-23	342					
05-3840	Process island (furnace-boiler-FGC)	105	990	71.43%	5%	30		16-May-19 A	29-Jan-22	11-Mar-22	09-Apr-22	70					29-Jan-22, Process island (furnace-boiler-FGC), Process is
05-4350	Pipe Rack C1, C2, C3, D1 & D2 (Prefab.3)	105	520	71.43%	5%	30		28-Aug-20 A	29-Jan-22	15-May-22	13-Jun-22	135					29-Jan-22, Pipe Rack C1, C2, C3, D1 & D2 (Prefab.3), Pipe
05-4360	Compressed Air Plant area	105	501	89.52%	45%	11		28-Aug-20 A	10-Jan-22	13-Sep-22	23-Sep-22	256					10-Jan-22, Compressed Air Plant area, Compressed Air Plant area, 10-Jan-22
05-4370	Pipebridge B (Between CCCW Area & Turbine Hall)	105	550	42.86%	5%	60		28-Aug-20 A	28-Feb-22	15-Apr-22	13-Jun-22	105					28-Feb-22, Pipebridge B (Bet
05-4380	Pipebridge C (Between Turbine Hall & ACC Equipment Yard)	105	550	42.86%	5%	60		28-Aug-20 A	28-Feb-22	15-Apr-22	13-Jun-22	105					28-Feb-22, Pipebridge C (Bet
05-4950	Turbine Hall	105	520	71.43%	5%	30		28-Aug-20 A	29-Jan-22	07-Jan-23	05-Feb-23	372					29-Jan-22, Turbine Hall, Turbine Hall, 29-Jan-22
05-4960	ACC Equipment Yard	105	501	89.52%	65%	11		28-Aug-20 A	10-Jan-22	26-Jan-23	05-Feb-23	391					10-Jan-22, ACC Equipment Yard, ACC Equipment Yard, 10-Jan-22
05-4970	CCCW Area	105	501	89.52%	65%	11		28-Aug-20 A	10-Jan-22	13-Sep-22	23-Sep-22	256					10-Jan-22, CCCW Area, CCCW Area, 10-Jan-22
WBS: EP_SP_66_12-WP6D-M49.05.02.03.5.3 Process steel structure support (For equipment, piping & duct, cable tray etc)		376	609	76.06%		90		30-Jul-20 A	30-Mar-22	23-Apr-23	17-Sep-23	536					
05-3540	Pipe Rack C1, C2, C3, D1 & D2 (Prefab.3)	105	580	14.29%	5%	90		28-Aug-20 A	30-Mar-22	23-Apr-23	21-Jul-23	478					
05-3550	Turbine Hall	105	579	42.86%	5%	60		30-Jul-20 A	28-Feb-22	20-Jul-23	17-Sep-23	566					28-Feb-22, Turbine Hall, Turb
05-3560	Pipebridge B (Between CCCW Area & Turbine Hall)	105	550	42.86%	5%	60		28-Aug-20 A	28-Feb-22	23-May-23	21-Jul-23	508					28-Feb-22, Pipebridge B (Bet
05-3570	Pipebridge C (Between Turbine Hall & ACC Equipment Yard)	105	550	42.86%	5%	60		28-Aug-20 A	28-Feb-22	23-May-23	21-Jul-23	508					28-Feb-22, Pipebridge C (Bet
WBS: EP_SP_66_12-WP6D-M49.05.02.03.5.4 Equipment and piping insulation		105	105	0%		105		31-Dec-21	14-Apr-22	05-Feb-22	20-May-22	36					
05-4500	Incineration System	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Feb-22	20-May-22	36					
05-4510	Heat Recovery Boiler	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Feb-22	20-May-22	36					
05-4520	Boiler Feed Water Systems	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Feb-22	20-May-22	36					
05-4530	Flue Gas Treatment System	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Feb-22	20-May-22	36					
05-4540	Boiler ash and APC residue handling and solidification	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Feb-22	20-May-22	36					
05-4550	Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PRDS)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Feb-22	20-May-22	36					
05-4560	Air cooled condenser	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Feb-22	20-May-22	36					
05-4570	Closed Circuit Cooling Water System	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Feb-22	20-May-22	36					
WBS: EP_SP_66_12-WP6D-M49.05.02.03.6 Fire services installation design (2.3.17)		105	105	0%		105		14-Jan-22	28-Apr-22	11-Feb-22	26-May-22	28					
05-3680	FS schematics	105	105	0%	0%	105		14-Jan-22	28-Apr-22	11-Feb-22	26-May-22	28					14-Jan-22
WBS: EP_SP_66_12-WP6D-M49.05.02.03.7 Building services design (excluding fire services installation design) (2.3.18)		135	135	0%		135		30-Jan-22	13-Jun-22	11-Feb-22	24-Aug-22	72					
05-3690	Electrical Services and Lighting (7 Packages)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	26-Mar-22	08-Jul-22	25					01-Mar-22
05-3700	MVAC	105	105	0%	0%	105		01-Mar-22	13-Jun-22	26-Mar-22	08-Jul-22	25					01-Mar-22
05-3710	Odour Control	105	105	0%	0%	105		01-Mar-22	13-Jun-22	26-Mar-22	08-Jul-22	25					01-Mar-22
05-3720	Plumbing (7 Packages)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	25-Apr-22	07-Aug-22	55					01-Mar-22
05-3730	Drainage (7 Packages)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					01-Mar-22
05-3740	ELV (7 Packages)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	11-May-22	23-Aug-22	71					01-Mar-22
05-3750	Lifts and Escalators	105	105	0%	0%	105		01-Mar-22	13-Jun-22	12-May-22	24-Aug-22	72					01-Mar-22
05-3770	Building Management System (BMS)	105	105	0%	0%	105		30-Jan-22	14-May-22	11-Feb-22	26-May-22	12					30-Jan-22
05-3780-2(M20)	Water Cannon System	105	105	0%	0%	105		30-Jan-22	14-May-22	11-Feb-22	26-May-22	12					30-Jan-22
WBS: EP_SP_66_12-WP6D-M49.05.02.9 DDA Air Cool Condensers Equipment (2.3.06)		135	135	0%		135		31-Dec-21	14-May-22	03-Feb-22	23-Aug-22	101					
WBS: EP_SP_66_12-WP6D-M49.05.02.9.7 Building services design (excluding fire services installation design) (2.3.06)		135	135	0%		135		31-Dec-21	14-May-22	03-Feb-22	23-Aug-22	101					
05-5510	Electrical Services and Lighting	135	135	0%	0%	135		31-Dec-21	14-May-22	24-Feb-22	08-Jul-22	55					31-Dec-21
05-5520	Plumbing	135	135	0%	0%	135		31-Dec-21	14-May-22	26-Mar-22	07-Aug-22	85					31-Dec-21
05-5530	ELV	135	135	0%	0%	135		31-Dec-21	14-May-22	11-Apr-22	23-Aug-22	101					31-Dec-21
05-5540	Building Management System (BMS)	135	135	0%	0%	135		31-Dec-21	14-May-22	03-Feb-22	17-Jun-22	34					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.02.04 DDA Mechanical Treatment Plant Building (2.4)		165	165	0%		165		30-Jan-22	13-Jul-22	03-Feb-22	16-Nov-22	126					
05-5170	Foundation design (2.4.13)	135	135	0%	0%	135		01-Mar-22	13-Jul-22	25-Apr-22	06-Sep-22	55					01-Mar-22
05-5180	Structural design (2.4.14)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	04-Aug-22	16-Nov-22	156					01-Mar-22
05-5210	Fire services installation design (2.4.17)	60	60	0%	0%	60		01-Mar-22	29-Apr-22	28-Mar-22	26-May-22	27					01-Mar-22
WBS: EP_SP_66_12-WP6D-M49.05.02.04.7 Building services design (excluding fire services installation design) (2.4.18)		160	160	0%		160		30-Jan-22	08-Jul-22	03-Feb-22	23-Aug-22	46					
05-3850	LV and Emergency Power Distribution Design	135	135	0%	0%	135		30-Jan-22	13-Jun-22	11-Apr-22	23-Aug-22	71					30-Jan-22
05-3860	MVAC	90	90	0%	0%	90		16-Mar-22	13-Jun-22								

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021		2022	
														Dec	Jan	Feb	Mar
05-3880	Plumbing	135	135	0%	0%	135		30-Jan-22	13-Jun-22	26-Mar-22	07-Aug-22	55					
05-3890	Drainage	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					
05-3900	Lighting and small power	135	135	0%	0%	135		30-Jan-22	13-Jun-22	24-Feb-22	08-Jul-22	25					
05-3910-1	Building Management System (BMS)	135	135	0%	0%	135		30-Jan-22	13-Jun-22	03-Feb-22	17-Jun-22	4					
WBS: EP_SP_66_12-WP6D-M49.05.02.05 DDA Wastewater Treatment Plant (2.5)		195	195	0%	0%	195		31-Dec-21	13-Jul-22	28-Feb-22	08-Apr-23	269					
05-3940	Structural design (2.5.14)	135	135	0%	0%	135		31-Dec-21	14-May-22	06-May-22	17-Sep-22	126					
05-3950	Electrical and instrumentation works design (2.5.15)	70	70	0%	0%	70		31-Dec-21	10-Mar-22	29-Jan-23	08-Apr-23	394					
05-3960	Mechanical works design (2.5.16) (2 Packages)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	28-Feb-22	12-Jun-22	59					
05-3970	Fire services installation design (2.5.17) (2 Packages)	60	60	0%	0%	60		01-Mar-22	29-Apr-22	28-Mar-22	26-May-22	27					
WBS: EP_SP_66_12-WP6D-M49.05.02.05.7 Building services design (excluding fire services installation design) (2.5.18)		135	135	0%	0%	135		01-Mar-22	13-Jul-22	21-Mar-22	23-Aug-22	41					
05-3980	LV and Emergency Power Distribution Design for IWMF Waste Water Treatment Plant	135	135	0%	0%	135		01-Mar-22	13-Jul-22	11-Apr-22	23-Aug-22	41					
05-3990	MVAC	90	90	0%	0%	90		01-Mar-22	29-May-22	10-Apr-22	08-Jul-22	40					
05-4000	Odour Control	105	105	0%	0%	105		26-Mar-22	08-Jul-22	26-Mar-22	08-Jul-22	0					
05-4010	Plumbing	135	135	0%	0%	135		01-Mar-22	13-Jul-22	26-Mar-22	07-Aug-22	25					
05-4020	Drainage	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					
05-4030	ELV	135	135	0%	0%	135		01-Mar-22	13-Jul-22	11-Apr-22	23-Aug-22	41					
WBS: EP_SP_66_12-WP6D-M49.05.02.06 DDA Water Treatment Plant Building (2.6)		195	195	0%	0%	195		31-Dec-21	13-Jul-22	24-Feb-22	16-Nov-22	126					
05-4060	Foundation design (2.6.13)	135	135	0%	0%	135		01-Mar-22	13-Jul-22	25-Apr-22	06-Sep-22	55					
05-4070	Structural design (2.6.14)	135	135	0%	0%	135		01-Mar-22	13-Jul-22	05-Jul-22	16-Nov-22	126					
05-4100	Fire services installation design (2.6.17)	60	60	0%	0%	60		01-Mar-22	29-Apr-22	28-Mar-22	26-May-22	27					
WBS: EP_SP_66_12-WP6D-M49.05.02.06.7 Building services design (excluding fire services installation design) (2.6.18)		165	165	0%	0%	165		31-Dec-21	13-Jun-22	24-Feb-22	23-Aug-22	71					
05-4110	Electrical Services and Lighting	135	135	0%	0%	135		31-Dec-21	14-May-22	24-Feb-22	08-Jul-22	55					
05-4140	Plumbing	135	135	0%	0%	135		31-Dec-21	14-May-22	26-Mar-22	07-Aug-22	85					
05-4150	Drainage	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					
05-4160	ELV	135	135	0%	0%	135		31-Dec-21	14-May-22	11-Apr-22	23-Aug-22	101					
WBS: EP_SP_66_12-WP6D-M49.05.02.07 DDA Administration Building (2.7)		165	165	0%	0%	165		31-Dec-21	13-Jun-22	05-Mar-22	03-May-23	324					
05-4180	Foundation design (2.7.11)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	01-Nov-22	13-Feb-23	305					
05-4190	Structural design (2.7.12)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	19-Jan-23	03-May-23	324					
05-4210	Fire services installation design (2.7.14)	60	60	0%	0%	60		01-Mar-22	29-Apr-22	28-Mar-22	26-May-22	27					
WBS: EP_SP_66_12-WP6D-M49.05.02.07.6 Building services design (excluding fire services installation design) (2.7.15)		165	165	0%	0%	165		31-Dec-21	13-Jun-22	05-Mar-22	24-Aug-22	72					
05-4220	Electrical Services and Lighting	105	105	0%	0%	105		31-Dec-21	14-Apr-22	26-Mar-22	08-Jul-22	85					
05-4230	MVAC	105	105	0%	0%	105		01-Mar-22	13-Jun-22	26-Mar-22	08-Jul-22	25					
05-4250	Plumbing	105	105	0%	0%	105		31-Dec-21	14-Apr-22	25-Apr-22	07-Aug-22	115					
05-4260	Drainage	105	105	0%	0%	105		31-Dec-21	14-Apr-22	21-Mar-22	03-Jul-22	80					
05-4270	ELV	105	105	0%	0%	105		31-Dec-21	14-Apr-22	11-May-22	23-Aug-22	131					
05-4280	Lifts and Escalators	105	105	0%	0%	105		01-Mar-22	13-Jun-22	12-May-22	24-Aug-22	72					
05-4280-1	Building Management System (BMS)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Mar-22	17-Jun-22	64					
WBS: EP_SP_66_12-WP6D-M49.05.02.08 DDA IWMF Substation (2.8)		456	808	70.39%	65%	135		27-Feb-20 A	14-May-22	24-Feb-22	06-Sep-23	480					
05-4310	Structural design (2.8.14)	195	673	100%	65%	0		27-Feb-20 A	31-Dec-21	22-Sep-22	22-Sep-22	266					
05-4320	Electrical and instrumentation works design (2.8.15)	75	75	0%	0%	75		31-Dec-21	15-Mar-22	24-Jun-23	06-Sep-23	540					
05-4340	Fire services installation design (2.8.17)	60	60	0%	0%	60		14-Jan-22	14-Mar-22	28-Mar-22	26-May-22	73					
WBS: EP_SP_66_12-WP6D-M49.05.02.08.7 Building services design (excluding fire services installation design) (2.8.18)		135	135	0%	0%	135		31-Dec-21	14-May-22	24-Feb-22	12-Jun-23	394					
05-4990	Electrical Services and Lighting	135	135	0%	0%	135		31-Dec-21	14-May-22	24-Feb-22	08-Jul-22	55					
05-5000	MVAC	90	90	0%	0%	90		15-Jan-22	14-Apr-22	25-Dec-22	24-Mar-23	344					
05-5010	Plumbing	135	135	0%	0%	135		31-Dec-21	14-May-22	29-Jan-23	12-Jun-23	394					
05-5020	Drainage	105	105	0%	0%	105		31-Dec-21	14-Apr-22	28-Feb-23	12-Jun-23	424					
05-5030	ELV	135	135	0%	0%	135		31-Dec-21	14-May-22	10-Nov-22	24-Mar-23	314					
05-5030-1	Building Management System (BMS)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Mar-22	17-Jun-22	64					
WBS: EP_SP_66_12-WP6D-M49.05.02.1 DDA Chimney		114	114	0%	0%	114		25-Jan-22	18-May-22	20-Mar-22	23-Aug-22	97					
WBS: EP_SP_66_12-WP6D-M49.05.02.1.1 Building services design (excluding fire services installation design)		114	114	0%	0%	114		25-Jan-22	18-May-22	20-Mar-22	23-Aug-22	97					
05-6000-1(5a)	Electrical Services and Lighting	90	90	0%	0%	90		18-Feb-22	18-May-22	10-Apr-22	08-Jul-22	51					
05-6010(5a)	MVAC	90	90	0%	0%	90		18-Feb-22	18-May-22	10-Apr-22	08-Jul-22	51					
05-6020-1(5a)	Plumbing	90	90	0%	0%	90		18-Feb-22	18-May-22	10-May-22	07-Aug-22	81					
05-6030-1(5a)	Drainage	90	90	0%	0%	90		18-Feb-22	18-May-22	05-Apr-22	03-Jul-22	46					
05-6040-1(5a)	ELV	90	90	0%	0%	90		18-Feb-22	18-May-22	26-May-22	23-Aug-22	97					
05-6060-1(5a)	Building Management System (BMS)	90	90	0%	0%	90		25-Jan-22	24-Apr-22	20-Mar-22	17-Jun-22	54					
WBS: EP_SP_66_12-WP6D-M49.05.02.4 DDA Elevated Drive Way and Associated Structures Foundation		105	105	0%	0%	105		01-Mar-22	13-Jun-22	05-Mar-22	08-Jul-22	25					
WBS: EP_SP_66_12-WP6D-M49.05.02.4.1 Building services design (excluding fire services installation design)		105	105	0%	0%	105		01-Mar-22	13-Jun-22	05-Mar-22	08-Jul-22	25					
05-5560	Building Management System (BMS)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	05-Mar-22	17-Jun-22	4					
05-7240	Electrical Services and Lighting	105	105	0%	0%	105		01-Mar-22	13-Jun-22	26-Mar-22	08-Jul-22	25					
05-7250	MVAC	105	105	0%	0%	105		01-Mar-22	13-Jun-22	26-Mar-22	08-Jul-22	25					
05-7270	Drainage	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					
WBS: EP_SP_66_12-WP6D-M49.05.02.5 DDA Reception Pavilion		165	165	0%	0%	165		31-Dec-21	13-Jun-22	05-Mar-22	08-Jul-22	25					
WBS: EP_SP_66_12-WP6D-M49.05.02.5.1 Building services design (excluding fire services installation design)		165	165	0%	0%	165		31-Dec-21	13-Jun-22	05-Mar-22	08-Jul-22	25					
05-2130-1	Building Management System (BMS)	105	105	0%	0%	105		31-Dec-21	14-Apr-22	05-Mar-22	17-Jun-22	64					
05-7290	Electrical Services and Lighting	105	105	0%	0%	105		01-Mar-22	13-Jun-22	26-Mar-22	08-Jul-22	25					
05-7300	MVAC	105	105	0%	0%	105		01-Mar-22	13-Jun-22	26-Mar-22	08-Jul-22	25					

3-Month Rolling Programme (December 2021)

Remaining Work
 Actual Work
 Critical Remaining Work
 Milestone

Integrated Waste Management Facilities, Phase 1

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021		2022	
														Dec	Jan	Feb	Mar
05-7320	Drainage	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20		49	50	51	52
WBS: EP_SP_66_12-WP6D-M49.05.02.6 DDA CCCW Building																	
WBS: EP_SP_66_12-WP6D-M49.05.02.6.1 Building services design (excluding fire services installation design)																	
05-2130-2	Building Management System (BMS)	105	105	0%	0%	105		31-Dec-21	13-Jun-22	05-Mar-22	08-Jul-22	25					
05-7340	Electrical Services and Lighting	105	105	0%	0%	105		01-Mar-22	13-Jun-22	26-Mar-22	08-Jul-22	25					01-Mar-22
05-7350	MVAC	105	105	0%	0%	105		01-Mar-22	13-Jun-22	26-Mar-22	08-Jul-22	25					01-Mar-22
05-7370	Drainage	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					01-Mar-22
WBS: EP_SP_66_12-WP6D-M49.05.02.10 DDA Roads and Utilities (2.10)																	
WBS: EP_SP_66_12-WP6D-M49.05.02.10.1 Permanent road works layout on the Artificial Island (2.10.13)																	
05-4470	Roads and hardstandings layout	135	135	0%	0%	135		31-Dec-21	14-May-22	16-Mar-24	26-Sep-24	866					31-Dec-21
05-4480	Road signage and markings	135	135	0%	0%	135		31-Dec-21	14-May-22	15-May-24	26-Sep-24	866					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.02.10.2 Sewerage design on the Artificial Island (2.10.14)																	
05-4430	Foul Sewerage	135	135	0%	0%	135		31-Dec-21	14-May-22	30-Apr-23	11-Sep-23	485					31-Dec-21
05-4440	Contaminated Sewerage	135	135	0%	0%	135		31-Dec-21	14-May-22	30-Apr-23	11-Sep-23	485					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.02.10.3 Drainage system design on the Artificial Island (2.10.15)																	
05-5310	Surface water Drainage System	105	105	0%	0%	105		31-Dec-21	14-Apr-22	30-May-23	11-Sep-23	515					31-Dec-21
05-5320	First Flush Drainage System concept	105	105	0%	0%	105		31-Dec-21	14-Apr-22	30-May-23	11-Sep-23	515					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.02.10.4 Water supply system design on the Artificial Island (2.10.16)																	
05-5250	Potable Water Distribution System	135	135	0%	0%	135		31-Dec-21	14-May-22	29-Jan-23	12-Jun-23	394					31-Dec-21
05-5260	Recycled Water System	135	135	0%	0%	135		31-Dec-21	14-May-22	29-Jan-23	12-Jun-23	394					31-Dec-21
05-5270	Irrigation System	135	135	0%	0%	135		31-Dec-21	14-May-22	30-May-23	11-Oct-23	515					31-Dec-21
05-5280	Rainwater harvesting System	135	135	0%	0%	135		31-Dec-21	14-May-22	30-May-23	11-Oct-23	515					31-Dec-21
05-5300	External FS Systems	135	135	0%	0%	135		01-Mar-22	13-Jul-22	30-May-23	11-Oct-23	455					01-Mar-22
05-5300-1(M24)	E&M system for seawater intake (2.10.16.07)	135	989	0%	5%	135		30-Aug-19 A	14-May-22	30-May-23	11-Oct-23	515					
05-5300-2(M24)	Building Services system for seawater intake (2.10.16.09)	135	135	0%	0%	135		30-Jan-22	13-Jun-22	30-May-23	11-Oct-23	485					30-Jan-22
WBS: EP_SP_66_12-WP6D-M49.05.02.10.6 Design of telecommunication and other utilities (2.10.18)																	
05-3400 (M21)	Computerised Maintenance Management System (CMMS)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	27-May-22	24-Aug-22	147					31-Dec-21
05-3410 (M21)	Information and Document Management System (IDMS)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	27-May-22	24-Aug-22	147					31-Dec-21
05-4580	Power Distribution System concept / schematics	75	75	0%	0%	75		01-Mar-22	14-May-22	18-Oct-23	31-Dec-23	596					01-Mar-22
05-4590	Site Lighting Concept / Schematics	135	135	0%	0%	135		31-Dec-21	14-May-22	30-May-23	11-Oct-23	515					31-Dec-21
05-4600	Lightning Protection System concept / schematics	135	135	0%	0%	135		31-Dec-21	14-May-22	19-Aug-23	31-Dec-23	596					31-Dec-21
05-4610	Site ELV Network System - Communications System concept / schematics	75	75	0%	0%	75		01-Mar-22	14-May-22	18-Oct-23	31-Dec-23	596					01-Mar-22
05-4620	Site ELV Network System - Security Systems concept / schematics	75	75	0%	0%	75		01-Mar-22	14-May-22	18-Oct-23	31-Dec-23	596					01-Mar-22
05-4640	Microwave transmission of FS direct link	135	135	0%	0%	135		30-Jan-22	13-Jun-22	19-Aug-23	31-Dec-23	566					30-Jan-22
05-4650	Fuel Handling System concept / schematics	135	135	0%	0%	135		01-Mar-22	13-Jul-22	30-May-23	11-Oct-23	455					01-Mar-22
WBS: EP_SP_66_12-WP6D-M49.05.02.10.7 Utility ducts/Pipebridges design (2.10.26)																	
05-5040	Design of Pipe / Utilities Trenches concept	135	135	0%	0%	135		01-Mar-22	13-Jul-22	03-Oct-23	14-Feb-24	581					01-Mar-22
05-5050	Sitewide Utilities Trenches Design	135	135	0%	0%	135		01-Mar-22	13-Jul-22	06-Apr-23	18-Aug-23	401					01-Mar-22
WBS: EP_SP_66_12-WP6D-M49.05.02.10.7.3 Layout Plan for Pipe Bridge Network																	
05-7000	Pipe Rack C1, C2, C3, D1 & D2 (Prefab.3)	135	533	37.04%	5%	85		09-Oct-20 A	25-Mar-22	10-Jun-22	02-Sep-22	161					25-
05-7010	Pipebridge B	105	105	0%	0%	105		01-Mar-22	13-Jun-22	01-Mar-22	13-Jun-22	0					01-Mar-22
05-7020	Pipebridge C	135	135	0%	0%	135		01-Mar-22	13-Jul-22	21-Apr-22	02-Sep-22	51					01-Mar-22
WBS: EP_SP_66_12-WP6D-M49.05.02.10.7.1 Foundaion Plan for Pipe Bridge B & C																	
05-7030	Pipe Rack C1, C2, C3, D1 & D2 (Prefab.3)	135	533	37.04%	5%	85		09-Oct-20 A	25-Mar-22	10-Jun-22	02-Sep-22	161					25-
05-7040	Pipebridge B	135	135	0%	0%	135		31-Dec-21	14-May-22	30-Jan-22	13-Jun-22	30					31-Dec-21
05-7050	Pipebridge C	135	135	0%	0%	135		31-Dec-21	14-May-22	21-Apr-22	02-Sep-22	111					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.02.10.7.2 Structure Plan for Pipe Bridge B & C																	
05-7060	Pipe Rack C1, C2, C3, D1 & D2 (Prefab.3)	135	533	37.04%	5%	85		09-Oct-20 A	25-Mar-22	10-Jun-22	02-Sep-22	161					25-
05-7070	Pipebridge B	105	105	0%	0%	105		01-Mar-22	13-Jun-22	01-Mar-22	13-Jun-22	0					01-Mar-22
05-7080	Pipebridge C	135	135	0%	0%	135		01-Mar-22	13-Jul-22	21-Apr-22	02-Sep-22	51					01-Mar-22
WBS: EP_SP_66_12-WP6D-M49.05.02.11 DDA Architectural, Finishes and Landscaping Works (2.11)																	
WBS: EP_SP_66_12-WP6D-M49.05.02.11.1 External and internal finishes design																	
05-4670	External and internal finishes design for Incineration Plant Building (2.11.15)	90	90	0%	0%	90		30-Jan-22	29-Apr-22	05-Mar-22	11-Jun-22	34					30-Jan-22
05-4690	External and internal finishes design for Turbine Hall Building	90	90	0%	0%	90		30-Jan-22	29-Apr-22	14-Mar-22	11-Jun-22	43					30-Jan-22
05-4700	External and internal finishes design for CCCW Building	90	90	0%	0%	90		30-Jan-22	29-Apr-22	14-Mar-22	11-Jun-22	43					30-Jan-22
05-4710	External and internal finishes design for Chimney	90	90	0%	0%	90		01-Mar-22	29-May-22	14-Mar-22	11-Jun-22	13					01-Mar-22
05-4720	External and internal finishes design for Reception Pavilion	90	90	0%	0%	90		30-Jan-22	29-Apr-22	14-Mar-22	11-Jun-22	43					30-Jan-22
05-4730	External and internal finishes design for MT Plant Building (2.11.16)	90	90	0%	0%	90		30-Jan-22	29-Apr-22	14-Mar-22	11-Jun-22	43					30-Jan-22
05-4740	External and internal finishes design for the Wastewater Treatment Plant (2.11.17)	90	90	0%	0%	90		30-Jan-22	29-Apr-22	14-Mar-22	11-Jun-22	43					30-Jan-22
05-4750	External and internal finishes design for the Water Treatment Plant Building (2.11.08)	90	90	0%	0%	90		30-Jan-22	29-Apr-22	14-Mar-22	11-Jun-22	43					30-Jan-22
05-4760	External and internal finishes design for the Administration Building (2.11.19)	90	90	0%	0%	90		30-Jan-22	29-Apr-22	14-Mar-22	11-Jun-22	43					30-Jan-22
05-4770	External and internal finishes design for the IWMF Substation (2.11.20)	90	90	0%	0%	90		30-Jan-22	29-Apr-22	14-Mar-22	11-Jun-22	43					30-Jan-22
05-5420	External and internal finishes design for Elevated Driveway	90	90	0%	0%	90		30-Jan-22	29-Apr-22	14-Mar-22	11-Jun-22	43					30-Jan-22
WBS: EP_SP_66_12-WP6D-M49.05.02.11.7 Landscaping Works (2.11.21)																	
05-4780	Landscape Masterplan & Landscape Design for Water Feature (2.11.19.01)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					01-Mar-22
05-4780-1(6C)	Landscape Architectural Design for Turbine Hall Building (2.11.19.04)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					01-Mar-22
05-4780-2(6C)	Landscape Architectural Design for Reception Pavilion (2.11.19.07)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					01-Mar-22

3-Month Rolling Programme (December 2021)

■ Remaining Work ◆ Actual Milestone
■ Actual Work ◆ Critical Milestone
■ Critical Remaining Work
◆ Milestone

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021		2022	
														Dec 49	Jan 50	Feb 51	Mar 52
05-4780-3(6C)	Landscape Architectural Design for MT Plant Building and Water Treatment Plant Building (2.11.07.08)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					01-Mar-22
05-4780-4(6C)	Landscape Architectural Design for Administration Building (2.11.07.09)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					01-Mar-22
05-4780-5(6C)	Landscape Architectural Design for IWMF Substation (2.11.07.10)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					01-Mar-22
05-4780-6(6C)	Landscape Architectural Design for Process Building (2.11.07.11)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	21-Mar-22	03-Jul-22	20					01-Mar-22
WBS: EP_SP_66_12-WP6D-M49.05.02.11.10 Facade Structural Design		212	303	57.55%		90		01-Jun-21 A	30-Mar-22	09-Feb-22	09-May-22	40					
05-8000(M45)	Chimney (2.3.14.05.01)	90	303	0%	5%	90		01-Jun-21 A	30-Mar-22	09-Feb-22	09-May-22	40					
05-8010(M45)	IWMF Sub-station	90	301	0%	5%	90		03-Jun-21 A	30-Mar-22	09-Feb-22	09-May-22	40					
05-8010(M45)10	Process Building & Wastewater Treatment Plant (2.6.14.01)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	09-Feb-22	09-May-22	40					31-Dec-21
05-8010(M45)20	Compressor & CCCW Building (2.3.14.04.01)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	09-Feb-22	09-May-22	40					31-Dec-21
05-8010(M45)30	Reception Pavilion (2.3.14.07.01)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	09-Feb-22	09-May-22	40					31-Dec-21
05-8010(M45)40	Mechanical Treatment Plant & Desalination Plant Building (2.4.14.01)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	09-Feb-22	09-May-22	40					31-Dec-21
05-8010(M45)50	Administration Building and Viewing Gallery (2.7.12.01)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	09-Feb-22	09-May-22	40					31-Dec-21
WBS: EP_SP_66_12-WP6D-M49.05.02.12 DDA Testing and Commissioning (2.12)		105	105	0%		105		01-Mar-22	13-Jun-22	28-Aug-22	10-Dec-22	180					
05-4810-1(5a)	Factory Acceptance Testing plan (2.12.09.02-07) (8 Packages)	105	105	0%	0%	105		01-Mar-22	13-Jun-22	28-Aug-22	10-Dec-22	180					01-Mar-22
WBS: EP_SP_66_12-WP6D-M49.05.02.13 DDA Transportation Facilities for the Operation (2.13)		409	409	0%		409		01-Mar-22	13-Apr-23	14-Oct-23	30-Dec-24	627					
05-4850	Design of vehicles for MSW and Ash and Residues delivery (2.13.05)	294	294	0%	0%	294		01-Mar-22	19-Dec-22	14-Oct-23	02-Aug-24	592					01-Mar-22
05-4860	Design of marine vessels for the use of the Employer and visitors (2.13.06)	409	409	0%	0%	409		01-Mar-22	13-Apr-23	18-Nov-23	30-Dec-24	627					01-Mar-22
WBS: EP_SP_66_12-WP6D-M49.05.02.14 DDA Miscellaneous Works (2.14)		434	434	0%		434		01-Mar-22	08-May-23	11-May-23	17-Jul-24	436					
05-4880	Design of visitors and environmental education facilities (2.14.06)	434	434	0%	0%	434		01-Mar-22	08-May-23	11-May-23	17-Jul-24	436					01-Mar-22
WBS: EP_SP_66_12-WP6D-M49.05.02.16 DDA Auxiliary Plant Systems (2.16)		165	165	0%		165		30-Jan-22	13-Jul-22	23-May-23	04-Oct-23	448					
05-4940-1(5a)	IWMF Laboratory (2.16.08)	135	135	0%	0%	135		01-Mar-22	13-Jul-22	23-May-23	04-Oct-23	448					01-Mar-22
05-4940-2(5a)	hoisting systems (2.16.10)	135	135	0%	0%	135		30-Jan-22	13-Jun-22	23-May-23	04-Oct-23	478					30-Jan-22
WBS: EP_SP_66_12-WP6D-M49.06 Procurement of Major Equipment		1545	1840	71.59%		439		01-Mar-18 A	14-Mar-23	18-Oct-21	13-Sep-23	183					
WBS: EP_SP_66_12-WP6D-M49.06.1 Off-site Fabrication of Incineration Modules		1438	1623	76.22%		342		29-Jun-18 A	07-Dec-22	18-Oct-21	01-Feb-23	56					
WBS: EP_SP_66_12-WP6D-M49.06.1.25 Material Procurement		911	1461	80.24%		180		29-Jun-18 A	28-Jun-22	10-Apr-22	06-Sep-22	70					
06-1000-1(1)	Mechanical Equipment Material Submission and Approval	180	1331	66.67%	58%	60		09-Jul-18 A	28-Feb-22	10-Apr-22	08-Jun-22	100					28-Feb-22, Mechanical Equip
06-1000-2(1)	Pipe Material Submission and Approval	180	884	66.67%	58%	60		29-Oct-19 A	30-Mar-22	10-Apr-22	08-Jun-22	70					28-Feb-22, Electrical and Ins
06-1000-3(1)	Electrical and Instrumentation Material Submission and Approval	180	854	66.67%	58%	60		29-Oct-19 A	28-Feb-22	10-Apr-22	08-Jun-22	100					28-Feb-22, Electrical and Ins
06-1010-1(1)	Mechanical Equipment Procurement (incl. FAT)	90	1431	33.33%	33.33%	60		29-Jun-18 A	29-May-22	09-Jul-22	06-Sep-22	100					
06-1010-2(1)	Pipe Material Procurement (incl. FAT)	90	974	33.33%	33.33%	60		29-Oct-19 A	28-Jun-22	09-Jul-22	06-Sep-22	70					
06-1010-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)	90	944	33.33%	33.33%	60		29-Oct-19 A	29-May-22	09-Jul-22	06-Sep-22	100					
WBS: EP_SP_66_12-WP6D-M49.06.1.26 Fabrication of Module (TPU)		707	811	51.63%		342		18-Sep-20 A	07-Dec-22	18-Oct-21	18-Dec-22	11					
WBS: EP_SP_66_12-WP6D-M49.06.1.26.1 Process Island Furnace Boiler line 1		553	746	49.91%		277		18-Sep-20 A	03-Oct-22	18-Oct-21	20-Aug-22	-44					
06-2010(6)	Process Island Furnace Boiler Line 1 Structure Cutting, Painting & Fabrication	370	552	77.57%	77.57%	83		18-Sep-20 A	23-Mar-22	18-Oct-21	08-Jan-22	-74					Proc
06-2020(6)	Process Island Furnace Boiler Line 1 Structure Erection	476	704	41.81%	41.81%	277		30-Oct-20 A	03-Oct-22	18-Oct-21	21-Jul-22	-74					
06-2030(6)	Process Island Furnace Boiler Line 1 Mechanical Fabrication	300	503	88.67%	88.67%	34		18-Sep-20 A	02-Feb-22	18-Oct-21	20-Nov-21	-74					Process Island Furnace Boiler Line 1 Mechanical Fabric
06-2030-1(6)	Process Island Furnace Boiler Line 1 Mechanical Erection	245	245	0%	0%	245		02-Jan-22	03-Sep-22	20-Oct-21	21-Jun-22	-74					02-Jan-22
06-2040(6)	Process Island Furnace Boiler Line 1 Piping Fabrication	350	473	49.71%	49.71%	176		09-Mar-21 A	24-Jun-22	18-Oct-21	11-Apr-22	-74					
06-2050(6)	Process Island Furnace Boiler Line 1 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Dec-21	28-Jun-22	13-Jan-22	11-Jul-22	13					31-Dec-21
06-2050-1(6)	Process Island Furnace Boiler Line 1 Electrical & Instrumentation installation	190	190	0%	0%	190		30-Jan-22	07-Aug-22	12-Feb-22	20-Aug-22	13					30-Jan-22
WBS: EP_SP_66_12-WP6D-M49.06.1.26.2 Process Island Furnace Boiler line 2		556	753	48.92%		284		18-Sep-20 A	10-Oct-22	23-Oct-21	28-Aug-22	-43					
06-2100(6)	Process Island Furnace Boiler Line 2 Structure Cutting, Painting & Fabrication	370	510	70.81%	70.81%	108		24-Nov-20 A	17-Apr-22	23-Oct-21	07-Feb-22	-69					
06-2110(6)	Process Island Furnace Boiler Line 2 Structure Erection	437	365	35.01%	35.01%	284		11-Oct-21 A	10-Oct-22	23-Oct-21	02-Aug-22	-69					
06-2120(6)	Process Island Furnace Boiler Line 2 Mechanical Fabrication	300	542	75.67%	75.67%	73		18-Sep-20 A	13-Mar-22	23-Oct-21	03-Jan-22	-69					Process Island
06-2120-1(6)	Process Island Furnace Boiler Line 2 Mechanical Erection	200	200	0%	0%	200		19-Feb-22	06-Sep-22	12-Dec-21	29-Jun-22	-69					19-Feb-22
06-2130(6)	Process Island Furnace Boiler Line 2 Piping Fabrication	350	351	84.57%	84.57%	54		09-Mar-21 A	22-Feb-22	23-Oct-21	15-Dec-21	-69					Process Island Furnace Boiler Line
06-2140(6)	Process Island Furnace Boiler Line 2 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Dec-21	28-Jun-22	10-Feb-22	08-Aug-22	41					31-Dec-21
06-2140-1(6)	Process Island Furnace Boiler Line 2 Electrical & Instrumentation installation	180	180	0%	0%	180		20-Jan-22	18-Jul-22	02-Mar-22	28-Aug-22	41					20-Jan-22
WBS: EP_SP_66_12-WP6D-M49.06.1.26.3 Process Island Furnace Boiler line 3		613	769	51.06%		300		18-Sep-20 A	26-Oct-22	22-Nov-21	17-Oct-22	-9					
06-2190(6)	Process Island Furnace Boiler Line 3 Structure Cutting, Painting & Fabrication	370	525	62.43%	62.43%	139		10-Dec-20 A	18-May-22	22-Nov-21	09-Apr-22	-39					
06-2200-1(6)	Process Island Furnace Boiler Line 3 Structure Erection	429	377	30.07%	30.07%	300		15-Oct-21 A	26-Oct-22	22-Nov-21	17-Sep-22	-39					
06-2210-1(6)	Process Island Furnace Boiler Line 3 Mechanical Fabrication	270	542	72.96%	72.96%	73		18-Sep-20 A	13-Mar-22	22-Nov-21	02-Feb-22	-39					Process Island
06-2215-1(6)	Process Island Furnace Boiler Line 3 Mechanical Erection	248	248	0%	0%	248		22-Jan-22	26-Sep-22	14-Dec-21	18-Aug-22	-39					22-Jan-22
06-2220-1(6)	Process Island Furnace Boiler Line 3 Piping Fabrication	350	442	58.57%	58.57%	145		09-Mar-21 A	24-May-22	22-Nov-21	15-Apr-22	-39					
06-2230-1(6)	Process Island Furnace Boiler Line 3 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Dec-21	28-Jun-22	12-Mar-22	07-Sep-22	71					31-Dec-21
06-2235-1(6)	Process Island Furnace Boiler Line 3 Electrical & Instrumentation installation	190	190	0%	0%	190		30-Jan-22	07-Aug-22	11-Apr-22	17-Oct-22	71					30-Jan-22
WBS: EP_SP_66_12-WP6D-M49.06.1.26.4 Process Island Furnace Boiler line 4		638	781	51.1%		312		18-Sep-20 A	07-Nov-22	24-Nov-21	31-Oct-22	-7					
06-2280(6)	Process Island Furnace Boiler Line 4 Structure Cutting, Painting & Fabrication	370	478	67.3%	67.3%	121		08-Jan-21 A	30-Apr-22	24-Nov-21	24-Mar-22	-37					
06-2290-1(6)	Process Island Furnace Boiler Line 4 Structure Erection	485	368	35.67%	35.67%	312		05-Nov-21 A	07-Nov-22	24-Nov-21	01-Oct-22	-37					
06-2300-1(6)	Process Island Furnace Boiler Line 4 Mechanical Fabrication	270	561	65.93%	65.93%	92		18-Sep-20 A	01-Apr-22	24-Nov-21	23-Feb-22	-37					
06-2305-1(6)	Process Island Furnace Boiler Line 4 Mechanical Erection	250	250	0%	0%	250		01-Feb-22	08-Oct-22	26-Dec-21	01-Sep-22	-37					01-Feb-22
06-2310-1(6)	Process Island Furnace Boiler Line 4 Piping Fabrication	350	442	54.57%	54.57%	159		23-Mar-21 A	07-Jun-22	24-Nov-21	01-May-22	-37					
06-2320-1(6)	Process Island Furnace Boiler Line 4 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Dec-21	28-Jun-22	26-Mar-22	21-Sep-22	85					31-Dec-21
06-2325-1(6)	Process Island Furnace Boiler Line 4 Electrical & Instrumentation installation	190	190	0%	0%	190											

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021		2022	
														Dec	Jan	Feb	Mar
06-2390(6)	Process Island Furnace Boiler Line 5 Mechanical Fabrication	270	560	66.3%	66.3%	91		18-Sep-20 A	31-Mar-22	03-Dec-21	03-Mar-22	-28					
06-2390-1(6)	Process Island Furnace Boiler Line 5 Mechanical Erection	283	283	0%	0%	283		07-Feb-22	16-Nov-22	10-Jan-22	19-Oct-22	-28					
06-2400-1(6)	Process Island Furnace Boiler Line 5 Piping Fabrication	350	442	54.57%	54.57%	159		23-Mar-21 A	07-Jun-22	03-Dec-21	10-May-22	-28					07-Feb-22
06-2410-1(6)	Process Island Furnace Boiler Line 5 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Dec-21	28-Jun-22	13-Apr-22	09-Oct-22	103					
06-2415-1(6)	Process Island Furnace Boiler Line 5 Electrical & Instrumentation installation	190	190	0%	0%	190		01-Mar-22	06-Sep-22	12-Jun-22	18-Dec-22	103					
WBS: EP_SP_66_12-WP6D-M49.06.1.26.6 Process Island Furnace Boiler line 6		707	780	56.01%	56.01%	311		18-Sep-20 A	06-Nov-22	10-Jan-22	16-Nov-22	10					
06-2460(6)	Process Island Furnace Boiler Line 6 Structure Cutting, Painting & Fabrication	370	506	90%	90%	37		18-Sep-20 A	05-Feb-22	10-Jan-22	15-Feb-22	10					
06-2470(6)	Process Island Furnace Boiler Line 6 Structure Erection	462	392	32.68%	32.68%	311		11-Oct-21 A	06-Nov-22	10-Jan-22	16-Nov-22	10					
06-2480(6)	Process Island Furnace Boiler Line 6 Mechanical Fabrication	271	271	0%	0%	271		31-Dec-21	27-Sep-22	30-Jan-22	27-Oct-22	30					
06-2480-1(6)	Process Island Furnace Boiler Line 6 Mechanical Erection	320	560	71.56%	71.56%	91		18-Sep-20 A	31-Mar-22	10-Jan-22	10-Apr-22	10					
06-2490(6)	Process Island Furnace Boiler Line 6 Piping Fabrication	350	500	49.71%	49.71%	176		10-Feb-21 A	24-Jun-22	10-Jan-22	04-Jul-22	10					
WBS: EP_SP_66_12-WP6D-M49.06.1.7 Fabrication of Module (FGC)		702	714	53.13%	53.13%	329		11-Dec-20 A	24-Nov-22	20-Oct-21	01-Feb-23	69					
WBS: EP_SP_66_12-WP6D-M49.06.1.7.1 Process Island FGC line 1		649	684	52.39%	52.39%	309		21-Dec-20 A	04-Nov-22	20-Oct-21	24-Aug-22	-72					
06-2000(6)	Process Island FGC Line 1 Structure Cutting, Painting & Fabrication	274	510	27.37%	27.37%	199		23-Feb-21 A	17-Jul-22	20-Oct-21	06-May-22	-72					
06-2550(6)	Process Island FGC Line 1 Structure Erection	474	583	34.81%	34.81%	309		01-Apr-21 A	04-Nov-22	20-Oct-21	24-Aug-22	-72					
06-2560(6)	Process Island FGC Line 1 Mechanical Fabrication	270	392	93.7%	93.7%	17		21-Dec-20 A	16-Jan-22	20-Oct-21	05-Nov-21	-72					Process Island FGC Line 1 Mechanical Fabrication, 16-Jan-22, 16-Jan-22
06-2560-1(6)	Process Island FGC Line 1 Mechanical Erection	230	230	0%	0%	230		15-Feb-22	02-Oct-22	05-Dec-21	22-Jul-22	-72					15-Feb-22
06-2570(6)	Process Island FGC Line 1 Piping Fabrication	350	411	44.29%	44.29%	195		29-May-21 A	13-Jul-22	20-Oct-21	02-May-22	-72					
06-2580(6)	Process Island FGC Line 1 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Dec-21	28-Jun-22	03-Dec-21	31-May-22	-28					
WBS: EP_SP_66_12-WP6D-M49.06.1.7.2 Process Island FGC line 2		594	622	55.89%	55.89%	262		05-Jan-21 A	18-Sep-22	02-Jan-22	27-Sep-22	9					
06-2630(6)	Process Island FGC Line 2 Structure Cutting, Painting & Fabrication	345	475	54.49%	54.49%	157		16-Feb-21 A	05-Jun-22	02-Jan-22	07-Jun-22	2					
06-2640(6)	Process Island FGC Line 2 Structure Erection	441	521	43.99%	43.99%	247		01-Apr-21 A	03-Sep-22	02-Jan-22	05-Sep-22	2					
06-2650(6)	Process Island FGC Line 2 Mechanical Fabrication	270	450	66.67%	66.67%	90		05-Jan-21 A	30-Mar-22	02-Jan-22	01-Apr-22	2					
06-2650-1(6)	Process Island FGC Line 2 Mechanical Erection	209	209	0%	0%	209		01-Jan-22	28-Jul-22	03-Jan-22	30-Jul-22	2					
06-2660(6)	Process Island FGC Line 2 Piping Fabrication	350	473	25.14%	25.14%	262		03-Jun-21 A	18-Sep-22	02-Jan-22	20-Sep-22	2					
06-2660-1(6)	Process Island FGC Line 2 Piping Installation	175	175	0%	0%	175		31-Dec-21	23-Jun-22	22-Mar-22	12-Sep-22	81					
06-2670(6)	Process Island FGC Line 2 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Dec-21	28-Jun-22	07-Mar-22	02-Sep-22	66					
06-2670-1(6)	Process Island FGC Line 2 Electrical & Instrumentation installation	175	175	0%	0%	175		30-Jan-22	23-Jul-22	06-Apr-22	27-Sep-22	66					
WBS: EP_SP_66_12-WP6D-M49.06.1.7.3 Process Island FGC line 3		647	690	52.86%	52.86%	305		11-Dec-20 A	31-Oct-22	03-Jan-22	26-Nov-22	26					
06-2720(6)	Process Island FGC Line 3 Structure Cutting, Painting & Fabrication	345	525	59.42%	59.42%	140		11-Dec-20 A	19-May-22	03-Jan-22	22-May-22	3					
06-2730(6)	Process Island FGC Line 3 Structure Erection	494	549	38.26%	38.26%	305		01-May-21 A	31-Oct-22	03-Jan-22	03-Nov-22	3					
06-2740(6)	Process Island FGC Line 3 Mechanical Fabrication	270	451	66.3%	66.3%	91		05-Jan-21 A	31-Mar-22	03-Jan-22	03-Apr-22	3					
06-2740-1(6)	Process Island FGC Line 3 Mechanical Erection	228	228	0%	0%	228		25-Jan-22	09-Sep-22	28-Jan-22	12-Sep-22	3					
06-2750(6)	Process Island FGC Line 3 Piping Fabrication	350	473	25.14%	25.14%	262		03-Jun-21 A	18-Sep-22	03-Jan-22	21-Sep-22	3					
06-2760(6)	Process Island FGC Line 3 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Dec-21	28-Jun-22	22-Mar-22	17-Sep-22	81					
06-2760-1(6)	Process Island FGC Line 3 Electrical & Instrumentation installation	190	190	0%	0%	190		01-Mar-22	06-Sep-22	21-May-22	26-Nov-22	81					
WBS: EP_SP_66_12-WP6D-M49.06.1.7.4 Process Island FGC line 4		647	649	55.33%	55.33%	289		05-Jan-21 A	15-Oct-22	17-Jan-22	03-Dec-22	49					
06-2810(6)	Process Island FGC Line 4 Structure Cutting, Painting & Fabrication	345	409	56.81%	56.81%	149		15-Apr-21 A	28-May-22	17-Jan-22	14-Jun-22	17					
06-2820(6)	Process Island FGC Line 4 Structure Erection	494	512	43.93%	43.93%	277		10-May-21 A	03-Oct-22	17-Jan-22	20-Oct-22	17					
06-2830(6)	Process Island FGC Line 4 Mechanical Fabrication	270	511	44.07%	44.07%	151		05-Jan-21 A	30-May-22	17-Jan-22	16-Jun-22	17					
06-2830-1(6)	Process Island FGC Line 4 Mechanical Erection	246	246	0%	0%	246		31-Dec-21	02-Sep-22	17-Jan-22	19-Sep-22	17					
06-2840(6)	Process Island FGC Line 4 Piping Fabrication	180	494	0%	0%	289		09-Jun-21 A	15-Oct-22	17-Jan-22	01-Nov-22	17					
06-2850(6)	Process Island FGC Line 4 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Dec-21	28-Jun-22	28-Apr-22	24-Oct-22	118					
06-2850-1(6)	Process Island FGC Line 4 Electrical & Instrumentation installation	190	190	0%	0%	190		30-Jan-22	07-Aug-22	28-May-22	03-Dec-22	118					
WBS: EP_SP_66_12-WP6D-M49.06.1.7.5 Process Island FGC line 5		486	689	32.3%	32.3%	329		05-Jan-21 A	24-Nov-22	03-Feb-22	01-Feb-23	69					
06-2900(6)	Process Island FGC Line 5 Structure Cutting, Painting & Fabrication	345	483	30.72%	30.72%	239		01-May-21 A	26-Aug-22	03-Feb-22	29-Sep-22	34					
06-2910(6)	Process Island FGC Line 5 Structure Erection	455	410	27.69%	27.69%	329		11-Oct-21 A	24-Nov-22	03-Feb-22	28-Dec-22	34					
06-2920(6)	Process Island FGC Line 5 Mechanical Fabrication	270	510	44.44%	44.44%	150		05-Jan-21 A	29-May-22	03-Feb-22	02-Jul-22	34					
06-2920-1(6)	Process Island FGC Line 5 Mechanical Erection	260	260	0%	0%	260		31-Dec-21	16-Sep-22	03-Feb-22	20-Oct-22	34					
06-2930(6)	Process Island FGC Line 5 Piping Fabrication	350	515	8.86%	8.86%	319		18-Jun-21 A	14-Nov-22	03-Feb-22	18-Dec-22	34					
06-2940(6)	Process Island FGC Line 5 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Dec-21	28-Jun-22	01-Jun-22	27-Nov-22	152					
06-2940-1(6)	Process Island FGC Line 5 Electrical & Instrumentation installation	190	190	0%	0%	190		25-Feb-22	02-Sep-22	27-Jul-22	01-Feb-23	152					25-Feb-22
WBS: EP_SP_66_12-WP6D-M49.06.1.7.6 Process Island FGC line 6		549	680	41.71%	41.71%	320		05-Jan-21 A	15-Nov-22	10-Feb-22	24-Jan-23	70					
06-2990(6)	Process Island FGC Line 6 Structure Cutting, Painting & Fabrication	345	479	30.72%	30.72%	239		05-May-21 A	26-Aug-22	10-Feb-22	06-Oct-22	41					
06-3000(6)	Process Island FGC Line 6 Structure Erection	427	405	25.06%	25.06%	320		07-Oct-21 A	15-Nov-22	10-Feb-22	26-Dec-22	41					
06-3010(6)	Process Island FGC Line 6 Mechanical Fabrication	270	551	29.26%	29.26%	191		05-Jan-21 A	09-Jul-22	10-Feb-22	19-Aug-22	41					
06-3010-1(6)	Process Island FGC Line 6 Mechanical Erection	280	280	0%	0%	280		09-Jan-22	15-Oct-22	19-Feb-22	25-Nov-22	41					
06-3020(6)	Process Island FGC Line 6 Piping Fabrication	190	190	0%	0%	190		31-Dec-21	08-Jul-22	19-Jul-22	24-Jan-23	200					
06-3025(6)	Process Island FGC Line 6 Piping Installation	180	180	0%	0%	180		01-Mar-22	27-Aug-22	19-Jun-22	15-Dec-22	110					
06-3030(6)	Process Island FGC Line 6 Electrical & Instrumentation Fabrication	180	211	33.89%	33.89%	119		30-Sep-21 A	28-Apr-22	10-Feb-22	08-Jun-22	41					
WBS: EP_SP_66_12-WP6D-M49.06.2 Off-site Fabrication of Turbine Modules		995	1840	55.88%	55.88%	439		01-Mar-18 A	14-Mar-23	25-Apr-22	23-Jul-23	131					
WBS: EP_SP_66_12-WP6D-M49.06.2.1 Material Procurement		546	1581	67.03%	67.03%	180		01-Mar-18 A	28-Jun-22	08-Nov-22	05-Jun-23	342					
06-1050-2(1)	Pipe Material Submission and Approval	90	1461	33.33%	33.33%	60		01-Mar-18 A	28-Feb-22	08-Nov-22	06-Jan-23	312					
06-1050-3(1)	Electrical and Instrumentation Material Submission and Approval	90	1352	33.33%	33.33%	60		18-Jun-18 A	28-Feb-22	06-Feb-23	06-Apr-23	402					28-Feb-22, Pipe Material Sub
06-1060-1(1)	Mechanical Equipment Procurement (Incl. FAT)	380	246	84.21%	84.21%	60		27-Aug-21 A	29-Apr-22	07-Jan-23	07-Mar-23	312					28-Feb-22, Electrical and Ins
06-1060-2(1)	Pipe Material Procurement (Incl. FAT)	180	762	66.67%	6												

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021				2022			
														Dec	Jan	Feb	Mar	Dec	Jan	Feb	Mar
WBS: EP_SP_66_12-WP6D-M49.06.2.2 Fabrication of Module (Power Island)		570	597	22.98%		439		26-Jul-21 A	14-Mar-23	25-Apr-22	23-Jul-23	131									
WBS: EP_SP_66_12-WP6D-M49.06.2.2.1 Turbine Module 1		518	553	23.67%		395		26-Jul-21 A	29-Jan-23	07-May-22	05-Jun-23	127									
06-4010(6)	Turbine Module 1 - Steam Turbine 1 Fabrication	450	553	12.22%	12.22%	395		26-Jul-21 A	29-Jan-23	07-May-22	05-Jun-23	127									
06-4020(6)	Turbine Module 1 - Generator & Equipment Installation	450	456	25.78%	25.78%	334		31-Aug-21 A	29-Nov-22	07-Jul-22	05-Jun-23	188									
06-4040(6)	Turbine Module 1 - TBS Tower 1 Fabrication & Installation	330	387	20.91%	20.91%	261		27-Aug-21 A	17-Sep-22	18-Sep-22	05-Jun-23	261									
WBS: EP_SP_66_12-WP6D-M49.06.2.2.2 Turbine Module 2		450	597	2.44%	2.44%	439		26-Jul-21 A	14-Mar-23	25-Apr-22	07-Jul-23	115									
06-4210(6)	Turbine Module 2 - Steam Turbine 2 Fabrication	450	597	2.44%	2.44%	439		26-Jul-21 A	14-Mar-23	25-Apr-22	07-Jul-23	115									
06-4220(6)	Turbine Module 2 - Generator & Equipment Installation	450	449	25.78%	25.78%	334		07-Sep-21 A	29-Nov-22	08-Aug-22	07-Jul-23	220									
06-4240(6)	Turbine Module 2 - TBS Tower 2 Fabrication & Installation	330	433	3.94%	3.94%	317		06-Sep-21 A	12-Nov-22	25-Aug-22	07-Jul-23	237									
WBS: EP_SP_66_12-WP6D-M49.06.2.2.3 Turbine Module 3		508	597	13.58%		439		26-Jul-21 A	14-Mar-23	11-May-22	23-Jul-23	131									
06-4410(6)	Turbine Module 3 - Steam Turbine 3 Fabrication	450	597	2.44%	2.44%	439		26-Jul-21 A	14-Mar-23	11-May-22	23-Jul-23	131									
06-4420(6)	Turbine Module 3 - Generator & Equipment Installation	450	449	25.78%	25.78%	334		07-Sep-21 A	29-Nov-22	24-Aug-22	23-Jul-23	236									
06-4440(6)	Turbine Module 3 - TBS Tower 3 Fabrication & Installation	330	330	0%	0%	330		31-Dec-21	25-Nov-22	28-Aug-22	23-Jul-23	240									
WBS: EP_SP_66_12-WP6D-M49.06.3 Procurement for ACC Units		492	597	18.7%		400		17-Jun-21 A	03-Feb-23	03-Jul-22	13-Sep-23	222									
06-1110	Material & Equipment Procurement	50	383	0%	0%	186		17-Jun-21 A	04-Jul-22	12-Dec-22	15-Jun-23	346									
06-1120	Off-site Fabrication of ACC-1 Units	400	326	47.5%	47.5%	210		06-Sep-21 A	28-Jul-22	18-Nov-22	15-Jun-23	322									
06-1120-1	Off-site Fabrication of ACC-2 Units	400	400	0%	0%	400		31-Dec-21	03-Feb-23	03-Jul-22	06-Aug-23	184									
06-1120-2	Off-site Fabrication of ACC-3 Units	400	400	0%	0%	400		31-Dec-21	03-Feb-23	10-Aug-22	13-Sep-23	222									
WBS: EP_SP_66_12-WP6D-M49.06.30 Procurement for Administration Building		90	90	0%		90		31-Dec-21	30-Mar-22	06-Dec-22	05-Mar-23	340									
06-2020	Electrical and Instrumentation Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	06-Dec-22	05-Mar-23	340									
WBS: EP_SP_66_12-WP6D-M49.06.26 Procurement for CCCW Equipment		90	90	0%		90		31-Dec-21	30-Mar-22	30-Aug-22	27-Nov-22	242									
06-1400(1)	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	30-Aug-22	27-Nov-22	242									
WBS: EP_SP_66_12-WP6D-M49.06.4 Procurement for MT Plant Equipment		90	90	0%		90		31-Dec-21	30-Mar-22	17-Jul-22	14-Oct-22	198									
06-1150-1(1)	Mechanical Equipment Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	17-Jul-22	14-Oct-22	198									
06-1150-2(1)	Pipe Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	17-Jul-22	14-Oct-22	198									
06-1150-3(1)	Electrical and Instrumentation Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	17-Jul-22	14-Oct-22	198									
WBS: EP_SP_66_12-WP6D-M49.06.5 Procurement for WWTP Equipment		421	581	7.36%		390		23-Jun-21 A	24-Jan-23	14-Jan-22	07-Feb-23	14									
06-1190-1(1)	Mechanical Equipment Material Submission and Approval	90	251	33.33%	33.33%	60		23-Jun-21 A	28-Feb-22	14-Apr-22	12-Jun-22	104									
06-1190-2(1)	Pipe Material Submission and Approval	90	251	33.33%	33.33%	60		23-Jun-21 A	28-Feb-22	14-Jan-22	14-Mar-22	14									
06-1190-3(1)	Electrical and Instrumentation Material Submission and Approval	90	215	33.33%	33.33%	60		29-Jul-21 A	28-Feb-22	14-Jan-22	14-Mar-22	14									
06-1200-2(1)	Pipe Material Procurement (Incl. FAT)	330	330	0%	0%	330		01-Mar-22	24-Jan-23	15-Mar-22	07-Feb-23	14									
06-1200-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)	330	330	0%	0%	330		01-Mar-22	24-Jan-23	15-Mar-22	07-Feb-23	14									
WBS: EP_SP_66_12-WP6D-M49.06.6 Procurement for Desal & Demin Plant Equipment		370	1062	8.38%		339		08-Jan-20 A	04-Dec-22	17-Jul-22	24-Jun-23	202									
06-1230-1(1)	Mechanical Equipment Material Submission and Approval	90	812	1.11%	1.11%	89		08-Jan-20 A	29-Mar-22	21-Jul-22	17-Oct-22	202									
06-1230-2(1)	Pipe Material Submission and Approval	90	812	1.11%	1.11%	89		08-Jan-20 A	29-Mar-22	21-Jul-22	17-Oct-22	202									
06-1230-3(1)	Electrical and Instrumentation Material Submission and Approval	90	713	1.11%	1.11%	89		16-Apr-20 A	29-Mar-22	21-Jul-22	17-Oct-22	202									
06-1240-1(1)	Mechanical Equipment Procurement (Incl. FAT)	250	250	0%	0%	250		30-Mar-22	04-Dec-22	18-Oct-22	24-Jun-23	202									
06-1240-2(1)	Pipe Material Procurement (Incl. FAT)	250	250	0%	0%	250		30-Mar-22	04-Dec-22	18-Oct-22	24-Jun-23	202									
06-1240-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)	250	250	0%	0%	250		30-Mar-22	04-Dec-22	18-Oct-22	24-Jun-23	202									
WBS: EP_SP_66_12-WP6D-M49.06.6.4 Procurement for MT Plant Equipment		90	90	0%		90		31-Dec-21	30-Mar-22	17-Jul-22	14-Oct-22	198									
06-1150-1(1)10	Mechanical Equipment Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	17-Jul-22	14-Oct-22	198									
06-1150-2(1)10	Pipe Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	17-Jul-22	14-Oct-22	198									
06-1150-3(1)10	Electrical and Instrumentation Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	17-Jul-22	14-Oct-22	198									
WBS: EP_SP_66_12-WP6D-M49.06.7 Procurement for HV Transformers and Associated Equipment		550	1020	77.45%		124		19-Jul-19 A	03-May-22	10-Jan-22	10-Dec-22	221									
WBS: EP_SP_66_12-WP6D-M49.06.7.1 Procurement of Transformers & EDG		550	1020	77.45%		124		19-Jul-19 A	03-May-22	09-Aug-22	10-Dec-22	221									
06-1280(1)	Procurement of Transformers	550	1020	77.45%	77.45%	124		19-Jul-19 A	03-May-22	09-Aug-22	10-Dec-22	221									
WBS: EP_SP_66_12-WP6D-M49.06.7.2 Procurement of Switchboard/Pannels and Cables		90	90	0%		90		31-Dec-21	30-Mar-22	10-Jan-22	09-Apr-22	10									
06-2090(1)	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	10-Jan-22	09-Apr-22	10									
WBS: EP_SP_66_12-WP6D-M49.06.9 Procurement for Onshore Crane at Berth		90	90	0%		90		31-Dec-21	30-Mar-22	20-May-22	17-Aug-22	140									
06-1350	Supplier Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	20-May-22	17-Aug-22	140									
WBS: EP_SP_66_12-WP6D-M49.06.10 Procurement and Off-site Fabrication of Pipe Bridges (Incl. Pipings)		90	90	0%		90		31-Dec-21	30-Mar-22	16-Mar-22	13-Jun-22	75									
06-1390(1)	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	16-Mar-22	13-Jun-22	75									
WBS: EP_SP_66_12-WP6D-M49.06.11 Procurement for LV Electrical System for On-site Installation		90	90	0%		90		31-Dec-21	30-Mar-22	26-May-22	23-Aug-22	146									
06-1430(1)	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	26-May-22	23-Aug-22	146									
WBS: EP_SP_66_12-WP6D-M49.06.12 Procurement for Ventilation and Odor Treatment System		375	375	0%		375		31-Dec-21	09-Jan-23	14-Jan-22	23-Jan-23	14									
06-1470(1)	Material Submission and Approval	75	75	0%	0%	75		31-Dec-21	15-Mar-22	14-Jan-22	29-Mar-22	14									
06-1820(6C)	Material Submission & Equipment Procurement (for IWMF Substation)	300	300	0%	0%	300		16-Mar-22	09-Jan-23	30-Mar-22	23-Jan-23	14									
WBS: EP_SP_66_12-WP6D-M49.06.13 Procurement for Fire Services System		365	365	0%		365		31-Dec-21	30-Dec-22	13-Feb-22	12-Feb-23	44									
06-1510	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	06-Mar-22	03-Jun-22	65									
WBS: EP_SP_66_12-WP6D-M49.06.13.1 IWMF Substation		365	365	0%		365		31-Dec-21	30-Dec-22	13-Feb-22	12-Feb-23	44									
06-1810(6)	Material Submission & Equipment Procurement (For IWMF Substation)	365	365	0%	0%	365		31-Dec-21	30-Dec-22	13-Feb-22	12-Feb-23	44									
WBS: EP_SP_66_12-WP6D-M49.06.14 Procurement for Plumbing System		90	90	0%		90		31-Dec-21	30-Mar-22	19-Apr-22	17-Jul-22	109									
06-1550	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	19-Apr-22	17-Jul-22	109									
WBS: EP_SP_66_12-WP6D-M49.06.16 Procurement for Lighting System		90</																			

Integrated Waste Management Facilities, Phase 1

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021		2022	
														Dec	Jan	Feb	Mar
WBS: EP_SP_66_12-WP6D-M49.06.18	Procurement for Cranage Equipment	240	240	0%	0%	240		31-Dec-21	27-Aug-22	22-Oct-22	18-Jun-23	295					
WBS: EP_SP_66_12-WP6D-M49.06.18.1	Waste Crane	240	240	0%	0%	240		31-Dec-21	27-Aug-22	22-Oct-22	18-Jun-23	295					
06-1710	Material Submission and Approval	60	60	0%	0%	60		31-Dec-21	28-Feb-22	22-Oct-22	20-Dec-22	295			31-Dec-21		28-Feb-22, Material Submiss
06-1720	Material & Equipment Procurement	180	180	0%	0%	180		01-Mar-22	27-Aug-22	21-Dec-22	18-Jun-23	295				01-Mar-22	
WBS: EP_SP_66_12-WP6D-M49.06.18.2	Ash Crane	240	240	0%	0%	240		31-Dec-21	27-Aug-22	22-Oct-22	18-Jun-23	295					
06-1820	Material Submission and Approval	60	60	0%	0%	60		31-Dec-21	28-Feb-22	22-Oct-22	20-Dec-22	295			31-Dec-21		28-Feb-22, Material Submiss
06-1830	Material & Equipment Procurement	180	180	0%	0%	180		01-Mar-22	27-Aug-22	21-Dec-22	18-Jun-23	295				01-Mar-22	
WBS: EP_SP_66_12-WP6D-M49.06.18.3	Shredder	60	60	0%	0%	60		31-Dec-21	28-Feb-22	22-Oct-22	20-Dec-22	295					
06-1860	Material Submission and Approval	60	60	0%	0%	60		31-Dec-21	28-Feb-22	22-Oct-22	20-Dec-22	295			31-Dec-21		28-Feb-22, Material Submiss
WBS: EP_SP_66_12-WP6D-M49.06.18.4	EOTC	240	240	0%	0%	240		31-Dec-21	27-Aug-22	22-Oct-22	18-Jun-23	295					
06-1900	Material Submission and Approval	60	60	0%	0%	60		31-Dec-21	28-Feb-22	22-Oct-22	20-Dec-22	295			31-Dec-21		28-Feb-22, Material Submiss
06-1910	Material & Equipment Procurement	180	180	0%	0%	180		01-Mar-22	27-Aug-22	21-Dec-22	18-Jun-23	295				01-Mar-22	
WBS: EP_SP_66_12-WP6D-M49.06.19	Procurement for Lift and Escalator Systems	90	90	0%	0%	90		31-Dec-21	30-Mar-22	27-May-22	24-Aug-22	147					
06-1750	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	27-May-22	24-Aug-22	147			31-Dec-21		
WBS: EP_SP_66_12-WP6D-M49.06.20	Procurement for Soft Landscape Materials	120	120	0%	0%	120		31-Dec-21	29-Apr-22	21-Mar-23	18-Jul-23	445					
06-1790	Material Submission and Approval	120	120	0%	0%	120		31-Dec-21	29-Apr-22	21-Mar-23	18-Jul-23	445			31-Dec-21		
WBS: EP_SP_66_12-WP6D-M49.06.22	Procurement for Air Compressor Equipment	90	90	0%	0%	90		31-Dec-21	30-Mar-22	26-Jun-22	23-Sep-22	177					
06-1870(1)	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	26-Jun-22	23-Sep-22	177			31-Dec-21		
WBS: EP_SP_66_12-WP6D-M49.06.23	Procurement for Weight Bridge System	90	90	0%	0%	90		31-Dec-21	30-Mar-22	24-Jun-22	21-Sep-22	175					
06-2210(1)	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	24-Jun-22	21-Sep-22	175			31-Dec-21		
WBS: EP_SP_66_12-WP6D-M49.06.24	Procurement for Pipes and Insulation for on site installations	90	90	0%	0%	90		31-Dec-21	30-Mar-22	20-Feb-22	20-May-22	51					
06-2250(1)	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	20-Feb-22	20-May-22	51			31-Dec-21		
WBS: EP_SP_66_12-WP6D-M49.06.25	Procurement for Truck Wash System	90	90	0%	0%	90		31-Dec-21	30-Mar-22	12-Jul-22	09-Oct-22	193					
06-2290(1)	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	12-Jul-22	09-Oct-22	193			31-Dec-21		
WBS: EP_SP_66_12-WP6D-M49.06.27	Procurement for Hard Landscape Materials (Paving, Greening, Furnit	90	90	0%	0%	90		31-Dec-21	30-Mar-22	05-Apr-22	03-Jul-22	95					
06-7000(6)	Material Submission and Approval	90	90	0%	0%	90		31-Dec-21	30-Mar-22	05-Apr-22	03-Jul-22	95			31-Dec-21		
WBS: EP_SP_66_12-WP6D-M49.06.28	Procurement for Building Finishes Materials (Doors, windows and lo	90	90	0%	0%	90		31-Dec-21	30-Mar-22	14-Mar-22	11-Jun-22	73					
06-8000(6)	Material Submission and Approval (Other than IWMF Substation)	90	90	0%	0%	90		31-Dec-21	30-Mar-22	14-Mar-22	11-Jun-22	73			31-Dec-21		
WBS: EP_SP_66_12-WP6D-M49.08	Maritime Works	1010	1042	75.47%	75.47%	248		29-Oct-19 A	04-Sep-22	31-Dec-21	23-Dec-22	110					
WBS: EP_SP_66_12-WP6D-M49.08.1	Marine Construction	1010	1042	75.47%	75.47%	248		29-Oct-19 A	04-Sep-22	31-Dec-21	23-Dec-22	110					
WBS: EP_SP_66_12-WP6D-M49.08.1.1	Phase I - Construction of Perimeter Seawalls	927	984	79.5%	79.5%	190		29-Oct-19 A	08-Jul-22	11-Jan-22	04-Aug-22	27					
WBS: EP_SP_66_12-WP6D-M49.08.1.1.1	Seawall and Berth at DCM Area	927	984	79.5%	79.5%	190		29-Oct-19 A	08-Jul-22	11-Jan-22	04-Aug-22	27					
WBS: EP_SP_66_12-WP6D-M49.08.1.1.1.5	Seawall Structural Works	927	984	79.5%	79.5%	190		29-Oct-19 A	08-Jul-22	11-Jan-22	04-Aug-22	27					
08-1115(3)	Caisson infill, Solid ballast, toe protection, precast concrete blocks ..etc Laying	250	808	94.4%	94.4%	14		29-Oct-19 A	13-Jan-22	06-Jun-22	20-Jun-22	157					13-Jan-22, Caisson infill, Solid ballast, toe protection, precast concrete block
WBS: EP_SP_66_12-WP6D-M49.08.1.1.1.5.1	Remain Works	257	295	26.07%	26.07%	190		17-Sep-21 A	08-Jul-22	11-Jan-22	04-Aug-22	27					
08-1105-08(6)	Prefabrication of Precast Beam and Slab for Seawall A	140	126	82.14%	82.14%	25		21-Sep-21 A	24-Jan-22	11-Jan-22	05-Feb-22	11					24-Jan-22, Prefabrication of Precast Beam and Slab for Seawall
08-1105-09(6)	Prefabrication of Precast Beam & Slab for Seawall B	140	126	82.14%	82.14%	25		21-Sep-21 A	24-Jan-22	11-Jan-22	05-Feb-22	11					24-Jan-22, Prefabrication of Precast Beam & Slab for Seawall B
08-1105-11(6)	Prefabrication of Precast Copping for Vertical Seawall	140	140	0%	0%	140		25-Jan-22	13-Jun-22	08-Feb-22	27-Jun-22	14					25-Jan-22
08-1120	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall A	220	295	13.64%	13.64%	190		17-Sep-21 A	08-Jul-22	27-Jan-22	04-Aug-22	27					
08-1120-1(6)	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B	220	289	13.64%	13.64%	190		23-Sep-21 A	08-Jul-22	11-Jan-22	20-Jul-22	11					
WBS: EP_SP_66_12-WP6D-M49.08.1.2	Phase II - Reclamation, Breakwater and Berth Construction	671	808	63.11%	63.11%	248		19-Jun-20 A	04-Sep-22	31-Dec-21	23-Dec-22	110					
WBS: EP_SP_66_12-WP6D-M49.08.1.2.1	Reclamation	401	464	38.19%	38.19%	248		29-May-21 A	04-Sep-22	31-Dec-21	23-Dec-22	110					
WBS: EP_SP_66_12-WP6D-M49.08.1.2.1.6	Reclamation Works	401	464	38.19%	38.19%	248		29-May-21 A	04-Sep-22	31-Dec-21	23-Dec-22	110					
WBS: EP_SP_66_12-WP6D-M49.08.1.2.1.6.1	Reclamation Fill	198	261	77.4%	77.4%	45		29-May-21 A	13-Feb-22	08-Jan-22	31-Mar-22	46					
08-3030(6)	Fill up +2.5 to +7.5mPD at East Edge Area (91,000m3 @ 400m3/d)	32	219	90.63%	90.63%	3		29-May-21 A	02-Jan-22	08-Jan-22	11-Jan-22	8					02-Jan-22, Fill up +2.5 to +7.5mPD at East Edge Area (91,000m3 @ 400m3/d), Fill up
08-3040(6)	Fill up +2.5 to +7.5mPD at West Edge Area (91,000m3 @ 400m3/d)	32	174	51%	51%	16		29-Jul-21 A	18-Jan-22	11-Jan-22	26-Jan-22	8					18-Jan-22, Fill up +2.5 to +7.5mPD at West Edge Area (91,000m3 @ 400m3/d), Fill up
08-3070(6)	Fill up +2.5 to +7.5mPD at South Edge Area (102,000m3 @ 400m3/d)	26	26	0%	0%	26		18-Jan-22	13-Feb-22	06-Mar-22	31-Mar-22	46					18-Jan-22, Fill up +2.5 to +7.5mPD at South Edge Area (102,000m3 @ 400m3/d), Fill up
WBS: EP_SP_66_12-WP6D-M49.08.1.2.1.6.3	Surcharge Filling	49	49	0%	0%	49		18-Jan-22	08-Mar-22	10-Mar-22	23-Apr-22	46					
08-3060(6)	Fill up +7.5 to +11&12mPD at West Edge Area (Stage 6) (55,000m3 @ 2500m3/d)	22	22	0%	0%	22		18-Jan-22	09-Feb-22	10-Mar-22	31-Mar-22	50					18-Jan-22, Fill up +7.5 to +11&12mPD at West Edge Area (Stage 6) (55,000m3 @ 2500m3/d), Fill up
08-3080(6)	Fill up +7.5 to +11&13mPD at South Edge Area (Stage 7) (58,000m3 @ 2500m3/d)	23	23	0%	0%	23		13-Feb-22	08-Mar-22	01-Apr-22	23-Apr-22	46					13-Feb-22, Fill up +7.5 to +11&13mPD at South Edge Area (Stage 7) (58,000m3 @ 2500m3/d), Fill up
WBS: EP_SP_66_12-WP6D-M49.08.1.2.1.6.4	Surcharge Period	308	341	19.5%	19.5%	248		29-Sep-21 A	04-Sep-22	31-Dec-21	23-Dec-22	110					
08-3110(6)	Loading @ +12mPD at TH & CCCW Building (Stage 3)	180	122	83.89%	83.89%	29		29-Sep-21 A	28-Jan-22	08-Feb-22	08-Mar-22	39					28-Jan-22, Loading @ +12mPD at TH & CCCW Building (Stage 3)
08-3110-1(6)	Loading @ +12mPD at ACC Buildng & Substation (Stage 4)	180	180	20%	20%	144		25-Nov-21 A	23-May-22	31-Dec-21	23-May-22	0					
08-3120(6)	Loading @ +11&+13mPD at at East Edge Area (Stage 5)	180	199	1.11%	1.11%	178		29-Dec-21 A	15-Jul-22	27-Jan-22	23-Jul-22	8					
08-3120-1(6)	Loading @ +11&12mPD at West Edge Area (Stage 6)	180	180	0%	0%	180		09-Feb-22	08-Aug-22	27-Jun-22	23-Dec-22	137					
08-3130(6)	Loading @ +11&+13mPD at South Edge Area (Stage 7)	180	180	0%	0%	180		08-Mar-22	04-Sep-22	24-Apr-22	20-Oct-22	46					
WBS: EP_SP_66_12-WP6D-M49.08.1.2.1.6.7	Surcharge Removal	49	49	0%	0%	49		31-Dec-21	17-Feb-22	09-Mar-22	10-Apr-22	52					
08-3190(6)	Remove Surcharge at CCCW (Stage 3a) (32,000m3 @ 4000m3/d)	8	8	0%	0%	8		31-Dec-21	07-Jan-22	03-Apr-22	10-Apr-22	93					07-Jan-22, Remove Surcharge at CCCW (Stage 3a) (32,000m3 @ 4000m3/d)
08-3190(6)-1	Remove Surcharge at Turbine Hall (Stage 3b) (63,000m3 @ 4000m3/d)	20	20	0%	0%	20		29-Jan-22	17-Feb-22	09-Mar-22	28-Mar-22	39					29-Jan-22, Remove Surcharge at Turbine Hall (Stage 3b) (63,000m3 @ 4000m3/d)
WBS: EP_SP_66_12-WP6D-M49.08.1.2.1.1	Instrumentation	218	286	59.16%	59.16%	89		17-Jun-21 A	30-Mar-22	25-Jan-22	20-Sep-22	175					
08-1370 (M23)	Extension of instruments to finished levels	42	224	28.57%	28.57%	30		14-Jul-21 A	23-Feb-22	18-Jul-22	16-Aug-22	175					23-Feb-22, Extension of instrument
08-1375 (M23)	Extension of instruments to surcharge top levels	65	245	46.15%	46.15%	35		28-Jul-21 A	30-Mar-22	17-Aug-22	20-Sep-22	175					
WBS: EP_SP_66_12-WP6D-M49.08.1.2.1.1.1	Instruments above +2.5mPD	158	221	84.77%	84.77%	24		17-Jun-21 A	24-Jan-22	25-Jan-22	31-Mar-22	67					
WBS: EP_SP_66_12-WP6D-M49.08.1.2.1.1.1.7	IWMF Substation (East)	88	157	97.73%	97.73%	2		29-Jul-21 A	01-Jan-22	25-Jan-22	26-Jan-22	25					
08-2060 (M42																	

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021				2022			
														Dec	Jan	Feb	Mar	Dec	Jan	Feb	Mar
08-1390 (M34)15	Install Sand Drains at Zone D (approx. 62 nr @ 4nr/day/2 set of equipment)	16	16	0%	0%	16		03-Jan-22	18-Jan-22	22-Feb-22	09-Mar-22	50		03-Jan-22	18-Jan-22	Install Sand Drains at Zone D (approx. 62 nr @ 4nr/day/2 set					
08-1390 (M34)20	GI for ground condition verification at other Zone for PVD (10 nr approx @0.5 nr/day) Inc Report	28	28	0%	0%	28		03-Jan-22	30-Jan-22	10-Feb-22	09-Mar-22	38		03-Jan-22	30-Jan-22	GI for ground condition verification at other Zone					
08-1390 (M34)30	Lay Surcharge at remedial works area	30	30	0%	0%	30		31-Jan-22	01-Mar-22	10-Mar-22	08-Apr-22	38		31-Jan-22	01-Mar-22	Lay Surcharge at remedial works area					
08-1390 (M34)40	Surcharge Period at remedial area	180	180	0%	0%	180		02-Mar-22	28-Aug-22	09-Apr-22	05-Oct-22	38		02-Mar-22	05-Oct-22	Surcharge Period at remedial area					
WBS: EP_SP_66_12-WP6D-M49.08.1.2.2 Breakwater		379	653	75.5%		93		19-Jun-20 A	02-Apr-22	14-Mar-22	05-Sep-22	156									
08-1280	Rubble Mound Laying (100,000m3 approx, @550m3/d)	188	511	84.04%	84.04%	30		06-Sep-20 A	29-Jan-22	09-Apr-22	08-May-22	99		29-Jan-22	08-May-22	Rubble Mound Laying (100,000m3 approx, @550					
08-1285(1)	Prefabrication for Caisson	180	616	69%	69%	56		19-Jun-20 A	24-Feb-22	14-Mar-22	08-May-22	73		24-Feb-22	08-May-22	Prefabrication for Caisson					
08-1290	Caisson Laying (Total 29nrs, @2 nrs/week)	150	458	77.33%	77.33%	34		24-Dec-20 A	26-Mar-22	05-May-22	07-Jun-22	73		26-Mar-22	07-Jun-22	Caisson Laying (Total 29nrs, @2 nrs/week)					
08-1295(3)	Caisson Infill, Solid ballast, toe protection, precast concrete blocks ..etc Laying	200	464	86.9%	86.9%	26		25-Dec-20 A	02-Apr-22	10-Aug-22	05-Sep-22	156		02-Apr-22	05-Sep-22	Caisson Infill, Solid ballast, toe protection, precast concrete blocks ..etc Laying					
WBS: EP_SP_66_12-WP6D-M49.08.1.2.3 Seawall and Berth at Marine Access		30	295	73.33%		8		19-Mar-21 A	07-Jan-22	21-Apr-22	28-Apr-22	111									
08-1320(5A)	Caisson Infill, Solid ballast, toe protection, precast concrete blocks ..etc Laying	30	295	73.33%	73.33%	8		19-Mar-21 A	07-Jan-22	21-Apr-22	28-Apr-22	111		07-Jan-22	28-Apr-22	Caisson Infill, Solid ballast, toe protection, precast concrete blocks ..etc Laying					
WBS: EP_SP_66_12-WP6D-M49.09 Foundation Works		253	337	36.36%		161		08-Jul-21 A	09-Jun-22	31-Dec-21	02-Sep-22	85									
WBS: EP_SP_66_12-WP6D-M49.09.0 Site Investigation and Preliminary Pile		207	197	89.86%		21		08-Jul-21 A	20-Jan-22	31-Dec-21	05-Mar-22	44									
09-1000	Ground Investigation	14	177	92.86%	92.86%	1	Finish On or Befo	08-Jul-21 A	31-Dec-21*	31-Dec-21	31-Dec-21	0		31-Dec-21*	31-Dec-21	Ground Investigation, 31-Dec-21*, 31-Dec-21*, Ground Investigation					
WBS: EP_SP_66_12-WP6D-M49.09.13 Preliminary Percussive H Pile		113	125	81.42%		21		18-Sep-21 A	20-Jan-22	13-Feb-22	19-Feb-22	44									
09-1020	Preliminary Pile Installation	7	111	0%	0%	7		18-Sep-21 A	06-Jan-22	13-Feb-22	19-Feb-22	44		06-Jan-22	19-Feb-22	Preliminary Pile Installation, Preliminary Pile Installation, 06-Jan-22					
09-1030	Preliminary Pile Load Test	14	14	0%	0%	14		07-Jan-22	20-Jan-22	20-Feb-22	05-Mar-22	44		07-Jan-22	20-Jan-22	Preliminary Pile Load Test					
WBS: EP_SP_66_12-WP6D-M49.09.2 Process Building - Waste Bunker & Tipping Hall Bid Foundation		205	253	28.84%		146		15-Sep-21 A	25-May-22	31-Dec-21	02-Sep-22	100									
WBS: EP_SP_66_12-WP6D-M49.09.2.4 Piling Works (Driven H-pile)		133	230	7.52%		123		15-Sep-21 A	02-May-22	31-Dec-21	25-Jul-22	84									
WBS: EP_SP_66_12-WP6D-M49.09.2.4.1 Piling Stage 1 (Module 1)		51	156	3.92%		49		15-Sep-21 A	17-Feb-22	31-Dec-21	25-Jul-22	158									
WBS: EP_SP_66_12-WP6D-M49.09.2.4.1.2 Bunker		51	156	3.92%		49		15-Sep-21 A	17-Feb-22	31-Dec-21	25-Jul-22	158									
09-1120	Driven H Pile Installations (290 nrs ~40m(D), @60m/d 4 Workfronts)	49	148	16.33%	16.33%	41		15-Sep-21 A	09-Feb-22	31-Dec-21	09-Feb-22	0		09-Feb-22	09-Feb-22	Driven H Pile Installations (290 nrs ~40m(D), @60m/d 4 Workfronts)					
09-1130	Pile Load Test	8	8	0%	0%	8		10-Feb-22	17-Feb-22	18-Jul-22	25-Jul-22	158		10-Feb-22	17-Feb-22	Pile Load Test					
WBS: EP_SP_66_12-WP6D-M49.09.2.4.3 Piling Stage 3 (Module 3)		133	167	8.27%		122		17-Nov-21 A	02-May-22	10-Feb-22	02-May-22	0									
WBS: EP_SP_66_12-WP6D-M49.09.2.4.3.1 WWTP		27	55	64%		10		17-Nov-21 A	10-Jan-22	23-Apr-22	02-May-22	112									
09-1150(6)	Predrilling for Driven Pile founding determination (54nr ~60m, @15m/d, 8 Rigs)	27	55	64%	64%	10		17-Nov-21 A	10-Jan-22	23-Apr-22	02-May-22	112		10-Jan-22	02-May-22	Predrilling for Driven Pile founding determination (54nr ~60m, @15m/d, 8 Rigs)					
WBS: EP_SP_66_12-WP6D-M49.09.2.4.3.2 Bunker		82	82	0%		82		10-Feb-22	02-May-22	10-Feb-22	02-May-22	0									
09-2210	Driven H Pile Installations (244 nrs ~40m(D), @60m/d 4 Workfronts)	82	82	0%	0%	82		10-Feb-22	02-May-22	10-Feb-22	02-May-22	0		10-Feb-22	02-May-22	Driven H Pile Installations (244 nrs ~40m(D), @60m/d 4 Workfronts)					
WBS: EP_SP_66_12-WP6D-M49.09.2.1 Piling Works (Socket H-pile)		205	244	28.84%		146		24-Sep-21 A	25-May-22	31-Dec-21	28-Jun-22	34									
WBS: EP_SP_66_12-WP6D-M49.09.2.1.2 Piling Stage 1 (Module 1)		205	244	28.84%		146		24-Sep-21 A	25-May-22	03-Feb-22	28-Jun-22	34									
WBS: EP_SP_66_12-WP6D-M49.09.2.1.2.1 Tipping Hall		205	244	28.84%		146		24-Sep-21 A	25-May-22	03-Feb-22	28-Jun-22	34									
09-2190	Prebored H Pile Installations (43 nrs, 2 Workfronts @4d/no.) Workfront (1# 2#)	86	162	25.58%	25.58%	64		24-Sep-21 A	04-Mar-22	03-Feb-22	07-Apr-22	34		04-Mar-22	07-Apr-22	Prebored H Pile Installations (43 nrs, 2 Workfronts @4d/no.) Workfront (1# 2#)					
09-2230	Prebored H Pile Installations (41 nrs, 2 Workfronts @4d/no.) Workfront (1# 2#)	82	82	0%	0%	82		05-Mar-22	25-May-22	08-Apr-22	28-Jun-22	34		05-Mar-22	28-Jun-22	Prebored H Pile Installations (41 nrs, 2 Workfronts @4d/no.) Workfront (1# 2#)					
WBS: EP_SP_66_12-WP6D-M49.09.2.1.1 Piling Stage 2 (Module 2)		120	120	20.83%		95		06-Dec-21 A	04-Apr-22	31-Dec-21	04-Apr-22	0									
WBS: EP_SP_66_12-WP6D-M49.09.2.1.1.1 Tipping Hall		120	120	20.83%		95		06-Dec-21 A	04-Apr-22	31-Dec-21	04-Apr-22	0									
09-2240	Prebored H Pile Installations (60 nrs, 2 Workfronts @4d/no.) Workfront (3# 4#)	120	120	20.83%	20.83%	95		06-Dec-21 A	04-Apr-22	31-Dec-21	04-Apr-22	0		04-Apr-22	04-Apr-22	Prebored H Pile Installations (60 nrs, 2 Workfronts @4d/no.) Workfront (3# 4#)					
WBS: EP_SP_66_12-WP6D-M49.09.2.5 Pile Cap Construction		39	39	0%		39		18-Feb-22	28-Mar-22	26-Jul-22	02-Sep-22	158									
WBS: EP_SP_66_12-WP6D-M49.09.2.5.1 Pile Cap Stage 1 (Module 1)		39	39	0%		39		18-Feb-22	28-Mar-22	26-Jul-22	02-Sep-22	158									
WBS: EP_SP_66_12-WP6D-M49.09.2.5.1.2 Bunker		39	39	0%		39		18-Feb-22	28-Mar-22	26-Jul-22	02-Sep-22	158									
09-1200-1	Excavation to Pile Cap Formation	25	25	0%	0%	25		18-Feb-22	14-Mar-22	26-Jul-22	19-Aug-22	158		18-Feb-22	14-Mar-22	Excavation to Pile Cap Formation					
09-2400	Pile Cut-off & Capping Plate	19	19	0%	0%	19		03-Mar-22	21-Mar-22	08-Aug-22	26-Aug-22	158		03-Mar-22	21-Mar-22	Pile Cut-off & Capping Plate					
09-2410	Pile Caps and Raft Foundation Construction (50m x 36m 4set @100m2/7d)	32	32	0%	0%	32		25-Feb-22	28-Mar-22	02-Aug-22	02-Sep-22	158		25-Feb-22	02-Sep-22	Pile Caps and Raft Foundation Construction (50m x 36m 4set @100m2/7d)					
WBS: EP_SP_66_12-WP6D-M49.09.3 Process Building - Boiler & Flue Gas Treatment Bid Foundation		170	219	5.29%		161		03-Nov-21 A	09-Jun-22	31-Dec-21	09-Jun-22	0									
WBS: EP_SP_66_12-WP6D-M49.09.3.1 Boiler Building & Flue Gas Foundation		170	219	5.29%		161		03-Nov-21 A	09-Jun-22	31-Dec-21	09-Jun-22	0									
WBS: EP_SP_66_12-WP6D-M49.09.3.1.1 Piling Works (Socket H-pile)		110	117	0%		110		24-Dec-21 A	19-Apr-22	31-Dec-21	25-Apr-22	6									
WBS: EP_SP_66_12-WP6D-M49.09.3.1.1.2 Piling Stage 1 (Module 1)		59	66	0%		59		24-Dec-21 A	27-Feb-22	31-Dec-21	18-Mar-22	19									
09-2580	Prebored H Pile Installations (29 nrs, 2 Workfronts @4d/no.) Workfront (5# 6#)	58	58	12.07%	12.07%	51		24-Dec-21 A	19-Feb-22	31-Dec-21	19-Feb-22	0		19-Feb-22	19-Feb-22	Prebored H Pile Installations (29 nrs, 2 Workfronts @4d/no.) Workfront (5# 6#)					
09-2590	Pile Load Test	8	8	0%	0%	8		20-Feb-22	27-Feb-22	11-Mar-22	18-Mar-22	19		20-Feb-22	27-Feb-22	Pile Load Test					
WBS: EP_SP_66_12-WP6D-M49.09.3.1.1.1 Piling Stage 2 (Module 2)		40	40	0%		40		20-Feb-22	31-Mar-22	20-Feb-22	31-Mar-22	0									
09-2300	Prebored H Pile Installations (20 nrs, 2 Workfronts @4d/no.) Workfront (5# 6#)	40	40	0%	0%	40		20-Feb-22	31-Mar-22	20-Feb-22	31-Mar-22	0		20-Feb-22	31-Mar-22	Prebored H Pile Installations (20 nrs, 2 Workfronts @4d/no.) Workfront (5# 6#)					
WBS: EP_SP_66_12-WP6D-M49.09.3.1.1.3 Piling Stage 3 (Module 3)		110	110	0%		110		31-Dec-21	19-Apr-22	06-Jan-22	25-Apr-22	6									
09-2620	Prebored H Pile Installations (26 nrs, 2 Workfronts @4d/no.) Workfront (7# 8#)	52	52	0%	0%	52		31-Dec-21	20-Feb-22	06-Jan-22	26-Feb-22	6		31-Dec-21	26-Feb-22	Prebored H Pile Installations (26 nrs, 2 Workfronts @4d/no.) Workfront (7# 8#)					
09-2640	Prebored H Pile Installations (13 nrs, 2 Workfronts @4d/no.) Workfront (7# 8#)	26	26																		

Activity ID	Activity Name	Original Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M49 Remarks	2021				2022											
														Dec	Jan	Feb	Mar	Dec	Jan	Feb	Mar								
WBS: EP_SP_66_12-WP6D-M49.09.5.1	Piling Works (Driven H-pile)	16	16	0%	0%	16		18-Feb-22	05-Mar-22	03-May-22	18-May-22	74																	
09-1720(6)	Predrilling for Driven Pile founding determination (32nr ~60m, @15m/d, 8 Rigs)	16	16	0%	0%	16		18-Feb-22	05-Mar-22	03-May-22	18-May-22	74													18-Feb-22	05-Mar-22, Predrilling for			
WBS: EP_SP_66_12-WP6D-M49.09.6	Compressor & CCCW Bid Foundation	6	6	0%	0%	6		08-Jan-22	13-Jan-22	11-Apr-22	16-Apr-22	93																	
WBS: EP_SP_66_12-WP6D-M49.09.6.1	Piling Works (Driven H-pile)	6	6	0%	0%	6		08-Jan-22	13-Jan-22	11-Apr-22	16-Apr-22	93																	
09-2310(6)	Predrilling for Driven Pile founding determination (6nr ~60m, @15m/d, 4 Rigs)	6	6	0%	0%	6		08-Jan-22	13-Jan-22	11-Apr-22	16-Apr-22	93															08-Jan-22	13-Jan-22, Predrilling for Driven Pile founding determination (6nr ~60m, @15	
WBS: EP_SP_66_12-WP6D-M49.09.7	Chimney Foundation	71	146	0%	0%	88		03-Nov-21 A	28-Mar-22	29-Mar-22	06-May-22	39																	
WBS: EP_SP_66_12-WP6D-M49.09.7.1	Piling Works (Bored Pile)	71	146	0%	0%	88		03-Nov-21 A	28-Mar-22	29-Mar-22	06-May-22	39																	
09-1810	Predrilling for Bored Pile founding determination (8nr ~60m, @15m/d, 4 Rigs)	8	90	0%	0%	32		03-Nov-21 A	31-Jan-22	05-Apr-22	06-May-22	95																31-Jan-22, Predrilling for Bored Pile founding determinati	
09-1810-1(6D)	Mobilization of Piling Plants & Equipments and Site Setup	39	39	0%	0%	39		18-Feb-22	28-Mar-22	29-Mar-22	06-May-22	39																18-Feb-22	
WBS: EP_SP_66_12-WP6D-M49.15	Works By CLP	475	475	0%	0%	475		24-Jul-23	10-Nov-24	11-May-23	31-Dec-24	51																	
WBS: EP_SP_66_12-WP6D-M49.15.1	Installation of Transmission System	335	335	0%	0%	335		24-Jul-23	22-Jun-24	11-May-23	02-Jul-24	10																	
15-0800	450 days Prior to Commencement of System Commissioning Test	0	0	0%	0%	0		24-Jul-23		11-May-23		-74																	
15-0900	Completion of Civil Provision for Transmission	0	0	0%	0%	0			29-Dec-23		02-Jun-24	156																	
15-1000	Construction of Transmission System	90	90	0%	0%	90		01-Oct-23	29-Dec-23	04-Feb-24	03-May-24	126																	
15-1002	Cable Testing	30	30	0%	0%	30		24-May-24	22-Jun-24	03-Jun-24	02-Jul-24	10																	
WBS: EP_SP_66_12-WP6D-M49.15.2	Remaining Installation Works by CLP	150	150	0%	0%	150		30-Apr-24	26-Sep-24	04-May-24	30-Sep-24	4																	
15-1005	Handover of CLP Equipment Room for Telecom / Digital s / Security / Metering equipment Installation and test	60	60	0%	0%	60	As Late As Possil	30-Apr-24	28-Jun-24	04-May-24	02-Jul-24	4																	
15-1010	132kV cable termination at IWMF 132kV switchgear (2 panels) and associated HVAC circuits	30	30	0%	0%	30		29-Jun-24	28-Jul-24	03-Jul-24	01-Aug-24	4																	
15-1010-1(6)	Overall testing and commissioning of 2 x CHS-IWMF circuits	60	60	0%	0%	60		29-Jul-24	26-Sep-24	02-Aug-24	30-Sep-24	4																	
WBS: EP_SP_66_12-WP6D-M49.15.3	Metering & Energization	44	44	0%	0%	44		27-Sep-24	10-Nov-24	01-Oct-24	31-Dec-24	51																	
15-1020	Incoming Power System Final Inspection and Metering works	30	30	0%	0%	30		27-Sep-24	26-Oct-24	01-Oct-24	30-Oct-24	4																	
15-1030	Energization of Incoming Power Supply Main System	0	0	0%	0%	0	Start On or After	27-Oct-24*		30-Oct-24		4																	
15-1040	Energization of Incoming Power Supply Sub System	0	0	0%	0%	0	Start On or After	10-Nov-24*		31-Dec-24		51																	
15-1050	Export Power System Final Inspection and Metering works	30	30	0%	0%	30		27-Sep-24	26-Oct-24	01-Oct-24	30-Oct-24	4																	
15-1060	Connection to Grid	0	0	0%	0%	0			26-Oct-24		21-Dec-24	56																	
WBS: EP_SP_66_12-WP6D-M49.16	Testing & Commissioning	305	305	0%	0%	305		31-Dec-21	31-Oct-22	29-May-22	29-Mar-23	149																	
WBS: EP_SP_66_12-WP6D-M49.16.22	SAT & System Commissioning Tests	305	305	0%	0%	305		31-Dec-21	31-Oct-22	29-May-22	29-Mar-23	149																	
WBS: EP_SP_66_12-WP6D-M49.16.22.20	Civil and Builder Works Completion Inspections	305	305	0%	0%	305		31-Dec-21	31-Oct-22	29-May-22	29-Mar-23	149																	
16-1900-1(6)	Soil resistivity test	30	30	0%	0%	30		31-Dec-21	29-Jan-22	29-May-22	27-Jun-22	149																31-Dec-21	29-Jan-22, Soil resistivity test
16-1900-2(6)	Installation of Ground Earthing Mesh	275	275	0%	0%	275		30-Jan-22	31-Oct-22	28-Jun-22	29-Mar-23	149																30-Jan-22	

3-Month Rolling Programme (December 2021)

Remaining Work ◆ Actual Milestone
 Actual Work ◆ Critical Milestone
 Critical Remaining Work
 Milestone