

## Appendix A Master Programme

Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021				2022
														Oct	Nov	Dec	Jan	
<b>Total</b>		3485	3485	41.29%		2046		22-Nov-17 A	07-Jun-27	07-Sep-21	07-Jun-27	0		47	48	49	50	
<b>Project: EP_SP_66_12-WP6B-M47 Programme for Design and Construction Wc</b>		3485	3485	41.29%		2046		22-Nov-17 A	07-Jun-27	07-Sep-21	07-Jun-27	0						
<b>WBS: EP_SP_66_12-WP6B-M47.01 Key Dates</b>		3485	3485	54.63%		1581		22-Nov-17 A	07-Jun-27	06-Apr-23	07-Jun-27	0						
<b>WBS: EP_SP_66_12-WP6B-M47.01.1 Contractual Key Dates</b>		2811	2811	86.8%		371		22-Nov-17 A	02-Aug-25	27-Jul-24	02-Aug-25	0						
<b>WBS: EP_SP_66_12-WP6B-M47.01.1.1 Design and Construction Phase</b>		2755	2755	88.57%		315		22-Nov-17 A	07-Jun-25	27-Jul-24	07-Jun-25	0						
01-1000	Contract Award/Date of Acceptance of Tender	0	0	100%	100%	0	Mandatory	22-Nov-17 A										
01-1010	Date of Commencement of the Design and the Works	0	0	100%	100%	0	Mandatory	15-Dec-17 A										
01-1015(3)(M12)	Original Substantial Completion of the Works	0	0	0%	0%	0	Mandatory		27-Jul-24*		27-Jul-24	0						
01-1020	Extended Substantial Completion of The Works	0	0	0%	0%	0	Mandatory		07-Jun-25*		07-Jun-25	0	Awarded EOT uptc					
<b>WBS: EP_SP_66_12-WP6B-M47.01.1.3 Extension of Time Granted</b>		315	315	0%		315		27-Jul-24	07-Jun-25	27-Jul-24	07-Jun-25	0						
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	EOT Awarded uptc					
<b>WBS: EP_SP_66_12-WP6B-M47.01.1.2 Operation Phase</b>		56	56	0%		56		08-Jun-25	02-Aug-25	08-Jun-25	02-Aug-25	0						
01-1030	Commencement of Operation	0	0	0%	0%	0	Mandatory Start	08-Jun-25*		08-Jun-25		0	8-Jun-25					
01-1230	Issue Certificate of Completion of the Works (56 days after Substantial Completion)	0	0	0%	0%	0	Finish On c		02-Aug-25*		02-Aug-25	0						
<b>WBS: EP_SP_66_12-WP6B-M47.01.2 Planned Completion Dates</b>		1557	1557	0%		1557		03-Mar-23	07-Jun-27	06-Apr-23	07-Jun-27	0						
01-1030(5a)	Grid Connection Agreement (GCA)	0	0	0%	0%	0	As Late As		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 c		31-Oct-24*		13-Jan-25	75						
01-1060	Issuance of FS Certificate	0	0	0%	0%	0			07-Oct-24		16-Nov-24	40						
01-1070	Completion of Civil Provision for Transmission	0	0	0%	0%	0			03-Mar-23		06-Apr-23	34						
01-1080	Commencement of C1.3.4.11 System Commissioning Test	0	0	0%	0%	0	As Late As	22-Dec-24		03-Nov-24		-49						
01-1090	Completion of C1.3.4.11 System Commission Test	0	0	0%	0%	0			18-Jan-25		30-Dec-24	-19						
01-1100	Physical Completion of 90 Days Plant Commissioning Test Works	0	0	0%	0%	0	As Late As		07-Jun-25		07-Jun-25	0						
01-1110(3)(M15)	Planned Substantial Completion of the Works	0	0	0%	0%	0			31-Jul-25		07-Jun-25	-54						
01-1110-1(5a)	Completion of 180 Days for Installation, T&C of CCTV System and Onshore Power System	0	0	0%	0%	0	Finish On		04-Dec-25*		04-Dec-25	0						
01-1110-2(5a)	Replacement of Onshore Cranes within 2 yrs at Portion 2	0	0	0%	0%	0			07-Jun-27		07-Jun-27	0						
<b>WBS: EP_SP_66_12-WP6B-M47.01.3 Dates of Site Possessions</b>		2732	2731	68.85%		851		15-Dec-17 A	08-Jun-25	07-May-23	08-Jun-25	0						
01-1120	Possession of Portion 1	0	0	100%	100%	0			15-Dec-17									
01-1130	Possession of Portion 1A	0	0	100%	100%	0			15-Dec-17									
01-1140	Possession of Portion 1B	0	0	100%	100%	0			15-Dec-17									
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		07-Feb-23		07-May-23	89						
01-1170	Possession of Portion 4	0	0	0%	0%	0	As Late As		07-Feb-23		07-May-23	89						
01-1180	Possession of Portion 5	0	0	0%	0%	0	As Late As		07-Feb-23		07-May-23	89						
01-1190	Possession of Portion 6	0	0	0%	0%	0	As Late As	08-Dec-24		20-Oct-24		-49						
01-1200	Possession of Portion 7	0	0	100%	100%	0	Finish On c		05-Jan-18									
01-1210	Possession of Portion 7A	0	0	100%	100%	0	Finish On c		07-Dec-18									
01-1210(5a)	Possession of Portion 8	0	0	100%	100%	0		29-Apr-20 A										
<b>WBS: EP_SP_66_12-WP6B-M47.02 Contract Preliminaries</b>		697	774	0%		697		15-Aug-21 A	27-Sep-23	16-Nov-21	08-Apr-24	194						
<b>WBS: EP_SP_66_12-WP6B-M47.02.3 Erection of Concrete Batching Plant on Artificial Island</b>		697	774	0%		697		15-Aug-21 A	27-Sep-23	13-May-22	08-Apr-24	194						
02-1100	Operation of Concrete Batching Plant	697	774	0%	0%	697	Start On	15-Aug-21 A	27-Sep-23	13-May-22	08-Apr-24	194						
<b>WBS: EP_SP_66_12-WP6B-M47.02.4 Establishment of Public Relation Office</b>		61	92	50.82%		30		30-Aug-21 A	29-Nov-21	16-Nov-21	15-Dec-21	16						
<b>WBS: EP_SP_66_12-WP6B-M47.02.4.2 South Lantau (SLIO)</b>		61	92	50.82%		30		30-Aug-21 A	29-Nov-21	16-Nov-21	15-Dec-21	16						
02-1120-1(6C)	Establishment of IWMF Information Office(s)	61	92	50.82%	50.82%	30	Finish On c	30-Aug-21 A	29-Nov-21*	16-Nov-21	15-Dec-21	16	29-Nov-21*, Establishment of IWMF Information Office(s), Establishment					
<b>WBS: EP_SP_66_12-WP6B-M47.03 Licence/Permit Applications</b>		2190	2338	40.68%		1299		27-Dec-18 A	21-May-25	31-Oct-21	21-May-25	0						
<b>WBS: EP_SP_66_12-WP6B-M47.03.1 License/Permit for Construction</b>		2120	2120	38.73%		1299		02-Aug-19 A	21-May-25	31-Oct-21	21-May-25	0						
03-1080	CNP for Percussive Piling Works	90	90	0%	0%	90	As Late As	31-Oct-21	28-Jan-22	12-Dec-21	11-Mar-22	42	31-Oct-21					
03-1360(2)	CNP for 24Hrs	2120	2120	38.73%	38.73%	1299	Finish On c	02-Aug-19 A	21-May-25*	31-Oct-21	21-May-25	0						
03-1370_1(M34)	Landscape and Visual Plan	180	661	33.33%	33.33%	120		08-May-20 A	27-Feb-22	09-Nov-21	08-Mar-22	9						
<b>WBS: EP_SP_66_12-WP6B-M47.03.2 DG Licence</b>		180	180	0%		180		15-Nov-21	13-May-22	24-Nov-21	22-May-22	9						
<b>WBS: EP_SP_66_12-WP6B-M47.03.2.1 Day Tank &amp; Fuel Oil Storage (Cat 5)</b>		180	180	0%		180		15-Nov-21	13-May-22	24-Nov-21	22-May-22	9						
03-1400	General Building Plans and FSI Provision Design Submission to FSD (Cat 5)	180	180	0%	0%	180		15-Nov-21	13-May-22	24-Nov-21	22-May-22	9	15-Nov-21					
<b>WBS: EP_SP_66_12-WP6B-M47.03.4 Fire Services Installations (FSI) Certificate</b>		805	1130	75.78%		195		10-Apr-19 A	13-May-22	25-Dec-21	22-May-22	9						
<b>WBS: EP_SP_66_12-WP6B-M47.03.4.3 Fire Engineering Report</b>		654	979	93.27%		44		10-Apr-19 A	13-Dec-21	25-Dec-21	06-Feb-22	55						
05-3000	Preparation and Submission of Fire Engineering Report to FSD	550	965	94.55%	94.55%	30		10-Apr-19 A	29-Nov-21	25-Dec-21	23-Jan-22	55	29-Nov-21, Preparation and Submission of Fire Engineering Report to FSD					
05-4450	Approval of Fire Engineering Report by FSD	14	14	0%	0%	14		30-Nov-21	13-Dec-21	24-Jan-22	06-Feb-22	55	30-Nov-21, Approval of Fire Engineering Report by FSD					
<b>WBS: EP_SP_66_12-WP6B-M47.03.4.1 Fire Services Installations Certificate Inspection</b>		271	529	28.04%		195		01-Dec-20 A	13-May-22	08-Jan-22	22-May-22	9						
03-1555(5a)	General Building Plans and FSI Provision Design Submission to FSD	90	364	66.67%	66.67%	30		01-Dec-20 A	29-Nov-21	08-Jan-22	06-Feb-22	69	29-Nov-21, General Building Plans and FSI Provision Design Submission					
03-1555-1(5a)	Approval of General Building Plans and FSI Provision Design Submission	105	105	0%	0%	105		29-Jan-22	13-May-22	07-Feb-22	22-May-22	9	29-Jan-22					
<b>WBS: EP_SP_66_12-WP6B-M47.03.5 Air Pollution Control (Specified Processes) License</b>		600	1069	95%		30		27-Dec-18 A	29-Nov-21	09-Mar-22	07-Apr-22	129						
03-1730(3)	Early Engagement With EPD SP Licensing Department for Information exchange	600	1069	95%	95%	30		27-Dec-18 A	29-Nov-21	09-Mar-22	07-Apr-22	129	29-Nov-21, Early Engagement With EPD SP Licensing Department for					
<b>WBS: EP_SP_66_12-WP6B-M47.04 General Submissions</b>		1593	1593	88.7%		180		18-Dec-17 A	28-Apr-22	21-Nov-21	13-Oct-23	533						
<b>WBS: EP_SP_66_12-WP6B-M47.04.3 Accommodation Plans</b>		14	14	0%		14		18-Jan-22	01-Feb-22	26-Mar-22	08-Apr-22	67						
04-1030	Submission of Employer on Island Temporary Accommodation Plan	14	14	0%	0%	14		18-Jan-22	01-Feb-22	26-Mar-22	08-Apr-22	67	18-Jan-22					
<b>WBS: EP_SP_66_12-WP6B-M47.04.1 Contractor's Plans Submission and Approval</b>		1593	1593	88.7%		180		18-Dec-17 A	28-Apr-22	21-Nov-21	13-Oct-23	533						
04-1100(1)	Technical Resources Plan (TRP)	240	1474	74.17%	30%	62		19-Dec-17 A	31-Dec-21	03-Aug-23	03-Oct-23	641	31-Dec-21, Technical Resources P					

### 3-Month Rolling Programme (October 2021)

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

Integrated Waste Management Facilities, Phase 1

Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021				2022
														Oct 47	Nov 48	Dec 49	Jan 50	
04-1200(1)	Works Plan (WP)	90	1475	31.11%	30%	62		18-Dec-17 A	31-Dec-21	03-Aug-23	03-Oct-23	641						
04-1400(1)	Operation Plan (OP)	240	1443	87.5%	87.5%	30		18-Dec-17 A	29-Nov-21	14-Sep-23	13-Oct-23	683						
04-1450(1)	Asset Management Plan (AMP)	120	120	0%	0%	120	Start On or	31-Oct-21*	27-Feb-22	21-Nov-21	20-Mar-22	21						29-Nov-21, Operation Plan (OP), Operation Plan (OP), 29-Nov-21
04-1500(1)	Handback Plan (HP)	120	120	0%	0%	120	Start On or	31-Oct-21*	27-Feb-22	21-Nov-21	20-Mar-22	21						
WBS: EP_SP_66_12-WP6B-M47.04.1.1	Provisional Assessment (PA)	180	180	0%	0%	180		31-Oct-21	28-Apr-22	07-Feb-22	05-Aug-22	99						
04-1500-1(1)	Preliminary Assessment	180	180	0%	0%	180		31-Oct-21	28-Apr-22	07-Feb-22	05-Aug-22	99						
WBS: EP_SP_66_12-WP6B-M47.05 Design Submissions		1624	1838	65.83%		555		27-Apr-18 A	08-May-23	31-Oct-21	30-Dec-24	602						
WBS: EP_SP_66_12-WP6B-M47.05.01 AIP Design Package Submissions		1204	1418	88.79%		135		27-Apr-18 A	14-Mar-22	31-Oct-21	03-Nov-23	599						
WBS: EP_SP_66_12-WP6B-M47.05.01.3 AIP General Building Plan		182	332	50.55%		90		03-Mar-21 A	28-Jan-22	09-Nov-21	22-Jul-22	175						
04-1600(M42)	Process Building & Wastewater Treatment Plant	135	180	77.78%	77.78%	30		03-Jun-21 A	29-Nov-21	08-Jan-22	06-Feb-22	69						29-Nov-21, Process Building & Wastewater Treatment Plant, Process B
04-1610(M42)	Turbine Hall	135	272	77.78%	77.78%	30		03-Mar-21 A	29-Nov-21	08-Jan-22	06-Feb-22	69						29-Nov-21, Turbine Hall, Turbine Hall, 29-Nov-21
04-1620(M42)	CCCW	135	272	77.78%	77.78%	30		03-Mar-21 A	29-Nov-21	08-Jan-22	06-Feb-22	69						29-Nov-21, CCCW, CCCW, 29-Nov-21
04-1630(M42)	Chimney	135	272	77.78%	77.78%	30		03-Mar-21 A	29-Nov-21	08-Jan-22	06-Feb-22	69						29-Nov-21, Chimney, Chimney, 29-Nov-21
04-1640(M42)	M T & Water Treatment Plant	135	180	77.78%	77.78%	30		03-Jun-21 A	29-Nov-21	08-Jan-22	06-Feb-22	69						29-Nov-21, M T & Water Treatment Plant, M T & Water Treatment Plant,
04-1650(M42)	Reception Pavilion	135	180	77.78%	77.78%	30		03-Jun-21 A	29-Nov-21	08-Jan-22	06-Feb-22	69						29-Nov-21, Reception Pavilion, Reception Pavilion, 29-Nov-21
04-1660(M42)	Administration building	135	180	77.78%	77.78%	30		03-Jun-21 A	29-Nov-21	08-Jan-22	06-Feb-22	69						29-Nov-21, Administration building, Administration building, 29-Nov-21
04-1670(M42)	Elevated Driveway	135	272	77.78%	77.78%	30		03-Mar-21 A	29-Nov-21	08-Jan-22	06-Feb-22	69						29-Nov-21, Elevated Driveway, Elevated Driveway, 29-Nov-21
04-1680(M42)	IWMF Substation	135	272	77.78%	77.78%	30		03-Mar-21 A	29-Nov-21	08-Jan-22	06-Feb-22	69						29-Nov-21, IWMF Substation, IWMF Substation, 29-Nov-21
04-1690(M46)	ACC Equipment Structure	90	90	0%	0%	90		31-Oct-21	28-Jan-22	24-Apr-22	22-Jul-22	175						
04-1700(M46)	Vehicle Fuel Filling Station	60	60	0%	0%	60		31-Oct-21	29-Dec-21	09-Nov-21	07-Jan-22	9						29-Dec-21, Vehicle Fuel Filling Stat
WBS: EP_SP_66_12-WP6B-M47.05.01.01 AIP Process and Layout Design (2.1)		197	1388	46.7%		105		27-Apr-18 A	12-Feb-22	31-Oct-21	29-Mar-22	45						
WBS: EP_SP_66_12-WP6B-M47.05.01.01.2 MSW treatment process design for mechanical treatment (2)		105	105	0%	0%	105		31-Oct-21	12-Feb-22	15-Dec-21	29-Mar-22	45						
05-1090	Mechanical Treatment Plant	105	105	0%	0%	105		31-Oct-21	12-Feb-22	15-Dec-21	29-Mar-22	45						
WBS: EP_SP_66_12-WP6B-M47.05.01.01.6 Site Master Layout Plan and Plant Layout (2.1.06)		105	1292	91.43%		9		27-Apr-18 A	08-Nov-21	31-Oct-21	08-Nov-21	0						
05-3020	Site Master Layout Plan and Plant Layout	105	1292	91.43%	65%	9		27-Apr-18 A	08-Nov-21	31-Oct-21	08-Nov-21	0						Site Master Layout Plan and Plant Layout, 08-Nov-21, 08-Nov-21, Site Master Layout Plan and Pl
WBS: EP_SP_66_12-WP6B-M47.05.01.02 AIP Ground Treatment, Reclamation, Seawall, Breakwater, Bert		288	566	53.13%		135		26-Aug-20 A	14-Mar-22	02-Nov-21	29-Jul-23	502						
05-2960-1(M37)	Mooring Dolphins	135	135	0%	0%	135		31-Oct-21	14-Mar-22	17-Mar-23	29-Jul-23	502						
05-2970	Onshore crane Facility (2.2.11)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	02-Nov-21	14-Feb-22	2						
05-2980	Onshore vessel power supply system (2.2.12)	135	461	77.78%	65%	30		26-Aug-20 A	29-Nov-21	02-Dec-21	31-Dec-21	32						29-Nov-21, Onshore vessel power supply system (2.2.12), Onshore vess
WBS: EP_SP_66_12-WP6B-M47.05.01.03 AIP Incineration Plant Buildings (2.3)		1123	1128	91.99%		90		28-Dec-18 A	28-Jan-22	09-Nov-21	20-Feb-23	388						
WBS: EP_SP_66_12-WP6B-M47.05.01.03.1 General Layout Drawings and Fire Safety Strategy (2.3.00)		151	635	40.4%		90		04-May-20 A	28-Jan-22	09-Nov-21	06-Feb-22	9						
05-1210	Process Building	105	590	57.14%	25%	45		04-May-20 A	14-Dec-21	24-Nov-21	07-Jan-22	24						14-Dec-21, Process Building, Process Building, 14-D
05-1220	ACC Equipment Yard	90	90	0%	0%	90		31-Oct-21	28-Jan-22	09-Nov-21	06-Feb-22	9						
05-1230	Turbine Hall Building	105	620	28.57%	25%	75		04-May-20 A	13-Jan-22	24-Nov-21	06-Feb-22	24						13-Jan-22, Turbin H
05-1240	CCCW Building	105	620	28.57%	25%	75		04-May-20 A	13-Jan-22	24-Nov-21	06-Feb-22	24						13-Jan-22, CCCW
05-1260	Elevated Drive Way and Associated Structures	105	620	28.57%	25%	75		04-May-20 A	13-Jan-22	24-Nov-21	06-Feb-22	24						13-Jan-22, Elevate
05-1270	Reception Pavilion	105	620	28.57%	25%	75		04-May-20 A	13-Jan-22	24-Nov-21	06-Feb-22	24						13-Jan-22, Recept
05-1620	Chimney	105	213	42.86%	25%	60		31-May-21 A	29-Dec-21	09-Dec-21	06-Feb-22	39						29-Dec-21, Chimney, Chimney, 29-D
WBS: EP_SP_66_12-WP6B-M47.05.01.03.2 Foundation design (2.3.01)		135	441	44.44%		75		30-Oct-20 A	13-Jan-22	08-Dec-22	20-Feb-23	403						
05-3090	Reception Pavilion	135	441	44.44%	5%	75	Start On or	30-Oct-20 A	13-Jan-22	08-Dec-22	20-Feb-23	403						13-Jan-22, Recept
WBS: EP_SP_66_12-WP6B-M47.05.01.03.3 Structural design (2.3.02)		105	136	27.62%		76		01-Sep-21 A	14-Jan-22	07-Dec-22	20-Feb-23	402						
05-1350	Reception Pavilion Structural Design	105	136	27.62%	5%	76		01-Sep-21 A	14-Jan-22	07-Dec-22	20-Feb-23	402						14-Jan-22, Recept
WBS: EP_SP_66_12-WP6B-M47.05.01.03.6 Fire services installation design (2.3.05)		384	1068	92.19%		30		28-Dec-18 A	29-Nov-21	09-Nov-21	07-Mar-22	98						
WBS: EP_SP_66_12-WP6B-M47.05.01.03.6.1 Process Building (2.3.05.01)		105	1055	71.43%		30		10-Jan-19 A	29-Nov-21	09-Nov-21	07-Mar-22	98						
05-1510	Fire Systems	105	1055	71.43%	5%	30		10-Jan-19 A	29-Nov-21	06-Feb-22	07-Mar-22	98						29-Nov-21, Fire Systems, Fire Systems, 29-Nov-21
05-1530	FS schematics	105	1039	86.67%	5%	14		10-Jan-19 A	13-Nov-21	09-Nov-21	22-Nov-21	9						13-Nov-21, FS schematics, FS schematics, 13-Nov-21
WBS: EP_SP_66_12-WP6B-M47.05.01.03.6.3 Turbin Hall Building (2.3.05.03)		105	1068	71.43%		30		28-Dec-18 A	29-Nov-21	09-Nov-21	07-Mar-22	98						
05-5400	Fire Systems (2.3.05.03.01)	105	1068	71.43%	5%	30		28-Dec-18 A	29-Nov-21	06-Feb-22	07-Mar-22	98						29-Nov-21, Fire Systems (2.3.05.03.01), Fire Systems (2.3.05.03.01), 29
05-5420-1(M22)	FS schematics (2.3.05.03.03)	105	1052	86.67%	5%	14		28-Dec-18 A	13-Nov-21	09-Nov-21	22-Nov-21	9						13-Nov-21, FS schematics (2.3.05.03.03), FS schematics (2.3.05.03.03), 13-Nov-21
WBS: EP_SP_66_12-WP6B-M47.05.01.03.6.5 Elevated Drive Way and Associated Structures (2.3.05.05)		180	715	83.33%		30		16-Dec-19 A	29-Nov-21	09-Nov-21	07-Mar-22	98						
05-5445(M22)	Fire Systems	180	715	83.33%	5%	30		16-Dec-19 A	29-Nov-21	06-Feb-22	07-Mar-22	98						29-Nov-21, Fire Systems, Fire Systems, 29-Nov-21
05-5450-1(M22)	FS schematics	180	699	92.22%	5%	14		16-Dec-19 A	13-Nov-21	09-Nov-21	22-Nov-21	9						13-Nov-21, FS schematics, FS schematics, 13-Nov-21
WBS: EP_SP_66_12-WP6B-M47.05.01.03.6.6 Reception Pavilion (2.3.05.06)		270	788	88.89%		30		04-Oct-19 A	29-Nov-21	09-Nov-21	07-Mar-22	98						
05-5460(M22)	Fire Systems (2.3.05.06.01)	270	788	88.89%	5%	30		04-Oct-19 A	29-Nov-21	06-Feb-22	07-Mar-22	98						29-Nov-21, Fire Systems (2.3.05.06.01), Fire Systems (2.3.05.06.01), 29
05-5470-1(M22)	FS schematics (2.3.05.06.03)	270	772	94.81%	5%	14		04-Oct-19 A	13-Nov-21	09-Nov-21	22-Nov-21	9						13-Nov-21, FS schematics (2.3.05.06.03), FS schematics (2.3.05.06.03), 13-Nov-21
WBS: EP_SP_66_12-WP6B-M47.05.01.03.6.7 Compressor & Closed Circuit (2.3.05.07)		140	811	78.57%		30		11-Sep-19 A	29-Nov-21	09-Nov-21	07-Mar-22	98						
05-5480-1(M22)	Fire Systems (2.3.05.07.01)	140	811	78.57%	5%	30		11-Sep-19 A	29-Nov-21	06-Feb-22	07-Mar-22	98						29-Nov-21, Fire Systems (2.3.05.07.01), Fire Systems (2.3.05.07.01), 29
05-5490-1(M22)	FS schematics (2.3.05.07.03)	140	795	90%	5%	14		11-Sep-19 A	13-Nov-21	09-Nov-21	22-Nov-21	9						13-Nov-21, FS schematics (2.3.05.07.03), FS schematics (2.3.05.07.03), 13-Nov-21
WBS: EP_SP_66_12-WP6B-M47.05.01.03.7 Building services design (excluding fire services installatio		1064	1085	94.36%		60		10-Jan-19 A	29-Dec-21	09-Nov-21	28-Mar-22	89						
05-1560	MVAC (6 Packages)	105	1085	42.86%	42.86%	60	Start On or	10-Jan-19 A	29-Dec-21	28-Jan-22	28-Mar-22	89						29-Dec-21, MVAC (6 Packages), MV
05-1590	Drainage (7 Packages)	135	1080	55.56%	25%	60	Start On or	15-Jan-19 A	29-Dec-21	24-Nov-21	22-Jan-22	24						29-Dec-21, Drainage (7 Packages),
05-1610	Lifts and Escalators (2 Packages)	135	731	55.56%	5%	60	Start On or	30-Dec-19 A	29-Dec-21	09-Nov-21	07-Jan-22	9						29-Dec-21, Lifts and Escalators (2 P
05-1770	Vehicle & Container Wash System	31	31</															

Integrated Waste Management Facilities, Phase 1

Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021				2022
														Oct 47	Nov 48	Dec 49	Jan 50	
05-1670	Electrical and instrumentation works design (2.4.03)	90	90	0%	0%	90		31-Oct-21	28-Jan-22	30-Dec-21	29-Mar-22	60		31-Oct-21				
05-1680	Mechanical works design (2.4.04)	90	90	0%	0%	90		31-Oct-21	28-Jan-22	30-Dec-21	29-Mar-22	60		31-Oct-21				
05-1690	Fire services installation design (2.5.05) (3 Packages)	135	1016	55.56%	5%	60		20-Mar-19 A	29-Dec-21	08-Nov-21	06-Jan-22	8						29-Dec-21, Fire services installation
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.04.7 Building services design (excluding fire services installatio</b>																		
05-1710	MVAC	135	981	77.78%	5%	30	Start On or	25-Mar-19 A	29-Nov-21	27-Feb-22	28-Mar-22	119						29-Nov-21, MVAC, MVAC, 29-Nov-21
05-1720	Odour Control	75	75	0%	0%	75	Start On or	31-Oct-21*	13-Jan-22	29-Nov-21	11-Feb-22	29		31-Oct-21*				13-Jan-22, Odour C
05-1740	Drainage	135	986	77.78%	5%	30	Start On or	20-Mar-19 A	29-Nov-21	24-Dec-21	22-Jan-22	54						29-Nov-21, Drainage, Drainage, 29-Nov-21
05-1760	Lifts	135	701	77.78%	5%	30	Start On or	30-Dec-19 A	29-Nov-21	07-Feb-22	08-Mar-22	99						29-Nov-21, Lifts, Lifts, 29-Nov-21
05-1760-1(M20)	Building Management System (BMS)	5	105	0%	5%	30	Start On or	17-Aug-21 A	29-Nov-21	09-Dec-21	07-Jan-22	39						29-Nov-21, Building Management System (BMS), Building Management
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.05 AIP Wastewater Treatment Plant (2.5)</b>																		
05-2790	Fire services installation design (2.5.05)	135	1079	55.56%	5%	60		16-Jan-19 A	29-Dec-21	08-Nov-21	06-Jan-22	8						29-Dec-21, Fire services installation
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.05.7 Building services design (excluding fire services installatio</b>																		
05-1840	MVAC (2.5.06.02)	135	1019	100%	25%	0	Start On or	16-Jan-19 A	31-Oct-21	28-Mar-22	28-Mar-22	149						31-Oct-21, MVAC (2.5.06.02), MVAC (2.5.06.02), 31-Oct-21
05-1850	Odour Control (2.5.06.03)	105	105	0%	0%	105	Start On or	31-Oct-21*	12-Feb-22	29-Nov-21	13-Mar-22	29		31-Oct-21*				
05-1870	Drainage (2.5.06.05)	135	1049	77.78%	25%	30	Start On or	16-Jan-19 A	29-Nov-21	24-Dec-21	22-Jan-22	54						29-Nov-21, Drainage (2.5.06.05), Drainage (2.5.06.05), 29-Nov-21
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.06 AIP Water Treatment Plant Building (2.6)</b>																		
05-1900	Architectural Design (2.6.00)	105	1240	14.29%	65%	90	Start On or	07-Sep-18 A	28-Jan-22	28-Nov-21	25-Feb-22	28						
05-1910	Foundation design (2.6.01)	90	90	0%	0%	90		31-Oct-21	28-Jan-22	28-Nov-21	25-Feb-22	28		31-Oct-21				
05-1920	Structural design (2.6.02)	90	677	0%	5%	90		23-Mar-20 A	28-Jan-22	09-Nov-21	06-Feb-22	9						
05-1950	Fire services installation design (2.6.05) (3 Packages)	135	1016	55.56%	5%	60		20-Mar-19 A	29-Dec-21	08-Nov-21	06-Jan-22	8						29-Dec-21, Fire services installation
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.06.7 Building services design (excluding fire services installatio</b>																		
05-1970	MVAC	135	951	100%	5%	0	Start On or	25-Mar-19 A	31-Oct-21	28-Mar-22	28-Mar-22	149						31-Oct-21, MVAC, MVAC, 31-Oct-21
05-2000	Drainage	135	1016	55.56%	5%	60	Start On or	20-Mar-19 A	29-Dec-21	24-Nov-21	22-Jan-22	24						29-Dec-21, Drainage, Drainage, 29-
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.07 AIP Administration Building (2.7)</b>																		
05-2020	Architectural Design (2.7.00)	135	1245	55.56%	65%	60	Start On or	03-Aug-18 A	29-Dec-21	09-Nov-21	07-Jan-22	9						29-Dec-21, Architectural Design (2.7
05-2030	Foundation design (2.7.01)	60	60	0%	0%	60		31-Oct-21	29-Dec-21	22-Feb-22	22-Apr-22	114		31-Oct-21				29-Dec-21, Foundation design (2.7.0
05-2040	Structural design (2.7.02)	135	885	55.56%	65%	60	Start On or	29-Jul-19 A	29-Dec-21	10-Sep-22	08-Nov-22	314						29-Dec-21, Structural design (2.7.02
05-2060	Fire services installation design (3 Packages) (2.7.04)	135	849	55.56%	5%	60	Start On or	03-Sep-19 A	29-Dec-21	08-Nov-21	06-Jan-22	8						29-Dec-21, Fire services installation
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.07.6 Building services design (excluding fire services installatio</b>																		
05-2080	MVAC	135	849	73.57%	65%	60	Start On or	03-Sep-19 A	29-Dec-21	09-Dec-21	13-Mar-22	74						29-Dec-21, MVAC, MVAC, 29-Dec-2
05-2130	Lifts and Escalators	135	731	55.56%	5%	60	Start On or	30-Dec-19 A	29-Dec-21	09-Dec-21	06-Feb-22	39						29-Dec-21, Lifts and Escalators, Lift
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.08 AIP IWMF Substation (2.8)</b>																		
05-2190	Fire services installation design (2.8.05) (2 Packages)	135	1083	89.63%	5%	14	Start On or	27-Nov-18 A	13-Nov-21	13-Nov-21	26-Nov-21	13						13-Nov-21, Fire services installation design (2.8.05) (2 Packages), Fire services installatio
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.1 AIP Chimney</b>																		
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.1.1 Building services design (excluding fire services installation</b>																		
05-5430(5a)	Electrical Services and Lighting	90	90	45.56%	5%	49		20-Sep-21 A	18-Dec-21	04-Dec-21	21-Jan-22	34						18-Dec-21, Electrical Services and Lighting, Elec
05-5440(5a)	MVAC	90	90	45.56%	5%	49		20-Sep-21 A	18-Dec-21	08-Feb-22	28-Mar-22	100						18-Dec-21, MVAC, MVAC, 18-Dec-21
05-5450(5a)	Plumbing	90	90	45.56%	5%	49		20-Sep-21 A	18-Dec-21	10-Dec-21	27-Jan-22	40						18-Dec-21, Plumbing, Plumbing, 18-Dec-21
05-5460-1(5a)	Drainage	90	90	45.56%	5%	49		20-Sep-21 A	18-Dec-21	20-Dec-21	06-Feb-22	50						18-Dec-21, Drainage, Drainage, 18-Dec-21
05-5470(5a)	ELV	90	90	45.56%	5%	49		20-Sep-21 A	18-Dec-21	09-Dec-21	26-Jan-22	39						18-Dec-21, ELV, ELV, 18-Dec-21
05-5480-2(5a)	Lift	90	90	0%	0%	90		31-Oct-21	28-Jan-22	24-Nov-21	21-Feb-22	24		31-Oct-21				
05-5490(5a)	Building Management System (BMS)	90	90	0%	0%	90		31-Oct-21	28-Jan-22	29-Dec-21	28-Mar-22	59		31-Oct-21				
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.09 AIP Air Quality Monitoring Stations (2.9)</b>																		
05-2250	Design of the Air Quality Monitoring Stations (2.9.01)	90	90	0%	0%	90		31-Oct-21	28-Jan-22	28-Jan-22	27-Apr-22	89		31-Oct-21				
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.10 AIP Roads and Utilities (2.10)</b>																		
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.10.4 Water supply system design on the Artificial Island (2.10.04)</b>																		
05-2360	Water Tanks (2.10.04.05)	135	135	0%	0%	135	Start On or	31-Oct-21*	14-Mar-22	01-Jan-22	15-May-22	62		31-Oct-21*				
05-2370	External FS Systems (2.10.04.06)	135	787	55.56%	5%	60		04-Nov-19 A	29-Dec-21	17-Mar-22	15-May-22	137						29-Dec-21, External FS Systems (2
05-2370-2(M24)	Building Services system for seawater intake (2.10.04.09)	90	629	66.67%	5%	30		11-Mar-20 A	29-Nov-21	14-Nov-21	13-Dec-21	14						29-Nov-21, Building Services system for seawater intake (2.10.04.09), B
05-2370-3(5a)	Chemical scrubber system for odour control (2.10.04.10)	90	388	0%	0%	90		06-Jan-21 A	28-Jan-22	14-Nov-21	11-Feb-22	14						
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.10.6 Design of telecommunication and other utilities (2.10.06)</b>																		
05-2380	Power Distribution System concept / schematics (2.10.06.01)	135	367	55.56%	5%	60	Start On or	28-Dec-20 A	29-Dec-21	01-Jan-22	01-Mar-22	62						29-Dec-21, Power Distribution System
05-2410	Site ELV Network System - Communications System concept / schematics (2.10.06.04)	135	661	55.56%	5%	60	Start On or	09-Mar-20 A	29-Dec-21	01-Jan-22	01-Mar-22	62						29-Dec-21, Site ELV Network System
05-2420	Site ELV Network System - Security Systems concept / schematics (2.10.06.05)	135	661	55.56%	5%	60	Start On or	09-Mar-20 A	29-Dec-21	01-Jan-22	01-Mar-22	62						29-Dec-21, Site ELV Network System
05-2430	Site ELV Network System - Navigation aids concept / schematics (2.10.06.06)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	02-Nov-21	14-Feb-22	2		31-Oct-21				
05-2440	Microwave transmission of FS direct link (2.10.06.07)	135	1099	77.78%	45%	30		27-Nov-18 A	29-Nov-21	02-Dec-21	31-Dec-21	32						29-Nov-21, Microwave transmission of FS direct link (2.10.06.07), Micro
05-2450	Fuel Handling System concept / schematics (2.10.06.08)	135	706	55.56%	5%	60	Start On or	24-Jan-20 A	29-Dec-21	16-Nov-22	14-Jan-23	381						29-Dec-21, Fuel Handling System co
05-3840-1(M22)	Automatic Traffic Control System (ATCS) (2.10.06.12)	90	90	0%	0%	90		31-Oct-21	28-Jan-22	22-Nov-22	19-Feb-23	387		31-Oct-21				
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.10.7 Utility ducts/Pipebridges design (2.10.25)</b>																		
05-2460	Design of Pipe / Utilities Trenches concept (2.10.06.09.01)	105	489	42.86%	5%	60		28-Aug-20 A	29-Dec-21	29-Aug-22	27-Oct-22	302						29-Dec-21, Design of Pipe / Utilities
05-2470	Sitewide Utilities Trenches Design (2.10.06.09.02)	105	489	42.86%	5%	60		28-Aug-20 A	29-Dec-21	29-Aug-22	27-Oct-22	302						29-Dec-21, Sitewide Utilities Trench
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.10.7.3 Layout Plan for Pipe Bridge Network</b>																		
05-6010	Pipebridge B	105	105	0%	0%	105		31-Oct-21	12-Feb-22	12-Nov-21	24-Feb-22	12		31-Oct-21				
05-6020	Pipebridge C	105	105	0%	0%	105		31-Oct-21	12-Feb-22	12-Nov-21	24-Feb-22	12		31-Oct-21				
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.10.7.2 Structure Plan for Pipe Bridge Network</b>																		
05-6070	Pipebridge B	135	1178	55.56%	5%	60		09-Oct-18 A	29-Dec-21	11-May-22	07-Sep-22	252						29-Dec-21, Pipebridge B, Pipebridge
05-6080	Pipebridge C	135	1178	55.56%	5%	60		09-Oct-18 A	29-Dec-21	11-May-22	09-Jul-22	192						29-Dec-21, Pipebridge C, Pipebridge

3-Month Rolling Programme (October 2021)

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

Integrated Waste Management Facilities, Phase 1

Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021				2022
														Oct 47	Nov 48	Dec 49	Jan 50	
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.11 AIP Architectural, Finishes and Landscaping Works (2.11)</b>																		
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.11.1 External and internal finishes design for Incineration Plant</b>																		
05-2510	External and internal finishes design for Incineration Plant Building (2.11.01)	135	605	55.56%	5%	60	Start On or	04-May-20 A	29-Dec-21	15-Jan-22	15-Mar-22	76					29-Dec-21, External and internal finishes design for Incineration Plant Building (2.11.01)	
05-2520	External and internal finishes design for ACC Equipment Yard	135	135	0%	0%	135		31-Oct-21	14-Mar-22	01-Nov-21	15-Mar-22	1					31-Oct-21	
05-2530	External and internal finishes design for Turbine Hall Building	135	605	55.56%	5%	60	Start On or	04-May-20 A	29-Dec-21	15-Jan-22	15-Mar-22	76					29-Dec-21, External and internal finishes design for Turbine Hall Building (2.11.01)	
05-2540	External and internal finishes design for CCCW Building	135	605	55.56%	5%	60	Start On or	04-May-20 A	29-Dec-21	11-Jan-22	11-Mar-22	72					29-Dec-21, External and internal finishes design for CCCW Building (2.11.01)	
05-2550	External and internal finishes design for Chimney	45	45	0%	5%	45		31-Oct-21	14-Dec-21	30-Jan-22	15-Mar-22	91					31-Oct-21	
05-2560	External and internal finishes design for Reception Pavilion	135	640	55.56%	5%	60	Start On or	30-Mar-20 A	29-Dec-21	15-Jan-22	15-Mar-22	76					29-Dec-21, External and internal finishes design for Reception Pavilion (2.11.01)	
05-2570	External and internal finishes design for MT Plant Building (2.11.02)	136	612	55.88%	5%	60	Start On or	27-Apr-20 A	29-Dec-21	13-Jan-22	13-Mar-22	74					29-Dec-21, External and internal finishes design for MT Plant Building (2.11.02)	
05-2580	External and internal finishes design for the Wastewater Treatment Plant (2.11.03)	62	605	3.23%	25%	60	Start On or	04-May-20 A	29-Dec-21	01-Mar-22	29-Apr-22	121					29-Dec-21, External and internal finishes design for the Wastewater Treatment Plant (2.11.03)	
05-2590	External and internal finishes design for the Water Treatment Plant Building (2.11.04)	62	247	3.23%	25%	60	Start On or	27-Apr-21 A	29-Dec-21	01-Mar-22	29-Apr-22	121					29-Dec-21, External and internal finishes design for the Water Treatment Plant Building (2.11.04)	
05-2600	External and internal finishes design for the Administration Building (2.11.05)	135	612	55.56%	5%	60	Start On or	27-Apr-20 A	29-Dec-21	13-Jan-22	13-Mar-22	74					29-Dec-21, External and internal finishes design for the Administration Building (2.11.05)	
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.11.7 Landscape masterplan (2.11.07)</b>																		
05-2620	Water Feature (2.11.07.01)	105	619	87.62%	5%	13	Start On or	19-Jun-20 A	27-Feb-22	14-Apr-22	26-Apr-22	58						
05-2920_1(M34)	Turbine Hall Building (2.11.07.04)	105	661	87.62%	5%	13		08-May-20 A	27-Feb-22	14-Apr-22	26-Apr-22	58						
05-2920_2(M34)	Reception Pavilion (2.11.07.06)	105	601	42.86%	5%	60		08-May-20 A	29-Dec-21	26-Feb-22	26-Apr-22	118					29-Dec-21, Reception Pavilion (2.11.07.06)	
05-2920_3(M34)	MT Plant Building and Water Treatment Plant Building (2.11.07.07)	105	661	87.62%	5%	13		08-May-20 A	27-Feb-22	14-Apr-22	26-Apr-22	58						
05-2920_4(M34)	Administration Building (2.11.07.08)	105	661	87.62%	5%	13		08-May-20 A	27-Feb-22	14-Apr-22	26-Apr-22	58						
05-2920_5(M34)	IWMF Substation (2.11.07.09)	105	661	87.62%	5%	13		08-May-20 A	27-Feb-22	14-Apr-22	26-Apr-22	58						
05-2920_6(M34)	Process Building (2.11.07.10)	105	661	87.62%	5%	13		08-May-20 A	27-Feb-22	14-Apr-22	26-Apr-22	58						
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.11.8 Architectural Detailing - Site Wide (2.11.29)</b>																		
05-2640	Architectural Detailing - Site Wide Concept	105	207	80.95%	5%	20		27-Apr-21 A	19-Nov-21	21-Jul-22	09-Aug-22	263					19-Nov-21, Architectural Detailing - Site Wide Concept, Architectural Detailing - Site Wide (2.11.29)	
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.11.9 External and internal finishes design for Elevated Driveway</b>																		
05-5410	External and internal finishes design for Elevated Driveway	0	605	0%	25%	60	Start On or	04-May-20 A	29-Dec-21	01-Mar-22	29-Apr-22	121					29-Dec-21, External and internal finishes design for Elevated Driveway (2.11.09)	
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.12 AIP Testing and Commissioning (2.12)</b>																		
05-2650-1(5)	Factory Acceptance Testing plan (2.12.01.02-07) (8 Packages)	105	982	42.86%	5%	60		23-Apr-19 A	29-Dec-21	29-Jun-22	27-Aug-22	241					29-Dec-21, Factory Acceptance Testing plan (2.12.01.02-07) (8 Packages)	
05-2660	Site Acceptance Testing plan (2.12.02)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	06-Feb-23	21-May-23	463					31-Oct-21	
05-2670	System commissioning plan (2.12.03)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	22-Jul-23	03-Nov-23	629					31-Oct-21	
05-2680	Plant commissioning plan (2.12.04)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	05-Jun-23	17-Sep-23	582					31-Oct-21	
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.13 AIP Transportation Facilities for the Operation (2.13)</b>																		
05-2690	Design of vehicles for MSW and Ash and Residues delivery (2.13.01)	105	549	42.86%	5%	60		29-Jun-20 A	29-Dec-21	12-May-23	17-Sep-23	627					29-Dec-21, Design of vehicles for MSW and Ash and Residues delivery (2.13.01)	
05-2700	Design of marine vessels for the use of the Employer and visitors (2.13.02)	105	478	42.86%	5%	60		08-Sep-20 A	29-Dec-21	20-Jul-23	17-Sep-23	627					29-Dec-21, Design of marine vessels for the use of the Employer and visitors (2.13.02)	
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.14 AIP Miscellaneous Works (2.14)</b>																		
05-2720	Design of visitors and environmental education facilities (2.14.02)	105	542	42.86%	5%	60		06-Jul-20 A	29-Dec-21	10-Jan-23	10-Mar-23	436					29-Dec-21, Design of visitors and environmental education facilities (2.14.02)	
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.15 AIP Miscellaneous Detailing (2.15)</b>																		
05-2730	Covered walkway at passenger berth (2.15.02)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	26-Jan-22	10-May-22	87					31-Oct-21	
05-2740	Gatehouses (2.15.03)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	11-May-22	22-Sep-22	192					31-Oct-21	
05-2750	Weighbridge office (2.15.04)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	16-May-22	28-Aug-22	197					31-Oct-21	
<b>WBS: EP_SP_66_12-WP6B-M47.05.01.16 AIP Auxiliary Plant Systems (2.16)</b>																		
05-2760	Maintenance workshops (2.16.01)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	22-Oct-22	05-Mar-23	356					31-Oct-21	
05-2770	Vehicle Fuel Filling Station (2.16.02)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	13-Nov-22	27-Mar-23	378					31-Oct-21	
05-2780	Stores systems (2.16.03)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	25-Jan-22	08-Jun-22	86					31-Oct-21	
05-2780-1(5a)	IWMF Laboratory (2.16.04)	135	596	55.56%	5%	60		13-May-20 A	29-Dec-21	30-May-22	28-Jul-22	211					29-Dec-21, IWMF Laboratory (2.16.04)	
05-2780-2(5a)	hoisting systems (2.16.09)	135	470	55.56%	5%	60		16-Sep-20 A	29-Dec-21	25-Nov-21	23-Jan-22	25					29-Dec-21, hoisting systems (2.16.09)	
<b>WBS: EP_SP_66_12-WP6B-M47.05.02 DDA Design Package Submissions</b>																		
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.3 DDA General Building Plan</b>																		
05-6000-1(M42)	Process Building & Wastewater Treatment Plant	90	123	33.33%	5%	60		13-Jan-21 A	28-Apr-22	13-Dec-21	20-Oct-22	175					29-Dec-21, Process Building & Wastewater Treatment Plant (2.11.01)	
05-6010-1(M42)	Turbine Hall	105	215	71.43%	5%	30		29-Apr-21 A	29-Nov-21	09-Mar-22	07-Apr-22	129					29-Nov-21, Turbine Hall, Turbine Hall, 29-Nov-21	
05-6020-2(M42)	CCCW	105	216	71.43%	5%	30		28-Apr-21 A	29-Nov-21	09-Mar-22	07-Apr-22	129					29-Nov-21, CCCW, CCCW, 29-Nov-21	
05-6030-2(M42)	Chimney	90	93	66.67%	5%	30		29-Aug-21 A	29-Nov-21	09-Mar-22	07-Apr-22	129					29-Nov-21, Chimney, Chimney, 29-Nov-21	
05-6040-2(M42)	M T & Water Treatment Plant	90	93	66.67%	0%	30		29-Aug-21 A	29-Nov-21	09-Mar-22	07-Apr-22	129					29-Nov-21, M T & Water Treatment Plant, M T & Water Treatment Plant, 29-Nov-21	
05-6050-2(M42)	Reception Pavilion	90	93	66.67%	0%	30		29-Aug-21 A	29-Nov-21	09-Mar-22	07-Apr-22	129					29-Nov-21, Reception Pavilion, Reception Pavilion, 29-Nov-21	
05-6060-2(M42)	Administration building	90	93	66.67%	0%	30		29-Aug-21 A	29-Nov-21	09-Mar-22	07-Apr-22	129					29-Nov-21, Administration building, Administration building, 29-Nov-21	
05-6070-1(M42)	Elevated Driveway	105	204	71.43%	5%	30		10-May-21 A	29-Nov-21	09-Mar-22	07-Apr-22	129					29-Nov-21, Elevated Driveway, Elevated Driveway, 29-Nov-21	
05-6080-1(M42)	IWMF Substation	105	321	71.43%	5%	30		13-Jan-21 A	29-Nov-21	09-Mar-22	07-Apr-22	129					29-Nov-21, IWMF Substation, IWMF Substation, 29-Nov-21	
05-6090(M42)	Side Wide Arch Details	105	197	89.52%	5%	11		28-Apr-21 A	10-Nov-21	13-Dec-21	23-Dec-21	43					10-Nov-21, Side Wide Arch Details, Side Wide Arch Details, 10-Nov-21	
05-6100(M46)	ACC Equipment Structure	90	90	0%	0%	90		29-Jan-22	28-Apr-22	23-Jul-22	20-Oct-22	175						
05-6110(M46)	Vehicle Fuel Filling Station	90	90	0%	0%	90		30-Dec-21	29-Mar-22	08-Jan-22	07-Apr-22	9					29-Jan-22	
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.01 DDA Process and Layout Design (2.1)</b>																		
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.01.1 MSW treatment process design for incineration (2.1.13)</b>																		
05-5090	Incineration System (2.1.13.01) (2 Packages) (link up with 05-3610)	105	594	0%	5%	136		30-Jul-20 A	15-Mar-22	23-Nov-21	07-Apr-22	23						
05-5100	Heat Recovery Boiler (2.1.13.02) (2 Packages) (link up with 05-3620)	105	692	0%	5%	136	Start On or	23-Apr-20 A	15-Mar-22	23-Nov-21	07-Apr-22	23						
05-5110	Ash Cranes (2.1.13.04) (2 Packages)	105	350	79.05%	45%	22		07-Dec-20 A	21-Nov-21	31-Oct-21	21-Nov-21	0					Ash Cranes (2.1.13.04) (2 Packages), 21-Nov-21, 21-Nov-21, Ash Cranes (2.1.13.04) (2 Packages)	
05-5120	Leachate Collection and Treatment (2.1.13.05) (2 Packages)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	20-Jan-22	04-May-22	81					31-Oct-21	
05-5130	Waste Water Treatment System (2.1.13.06) (2 Packages)	105	404	14.29%	5%	90		20-Jan-21 A	27-Feb-22	31-Jan-22	30-Apr-22	62						
05-5140	Overall Plan Water Scheme (2.1.13.07)	105	374	14.29%	5%	90		20-Jan-21 A	28-Jan-22	01-Jan-22	31-Mar-22	62						

3-Month Rolling Programme (October 2021)

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

Integrated Waste Management Facilities, Phase 1

Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021				2022
														Oct 47	Nov 48	Dec 49	Jan 50	
05-5150	Boiler Feed Water System (2.1.13.03) (2 Packages)	105	476	79.05%	45%	22	Start On or After	03-Aug-20 A	21-Nov-21	31-Oct-21	21-Nov-21	0						Boiler Feed Water System (2.1.13.03) (2 Packages), 21-Nov-21, 21-Nov-21, Boiler Feed Water System (2.1.13.03) (2 Packages)
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.01.2 MSW treatment process design for mechanical treatment (2.1.13.03)</b>																		
05-3510	Water Treatment Plant and Boiler Water Treatment (Demin Unit) Plant	105	486	0%	5%	170		19-Dec-20 A	18-Apr-22	24-Nov-21	12-May-22	24						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.01.3 Waste heat recovery and Power generation system (2.1.15)</b>																		
05-5230	Closed Circuit Cooling Water System	105	619	42.86%	5%	60		20-Apr-20 A	29-Dec-21	23-Feb-22	23-Apr-22	115						29-Dec-21, Closed Circuit Cooling Water System
05-5240	Compressed Air Plants	105	391	42.86%	25%	60		04-Dec-20 A	29-Dec-21	23-Feb-22	23-Apr-22	115						29-Dec-21, Compressed Air Plants
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.01.4 Flue gas treatment process design for incineration (2.1.16)</b>																		
05-4660	Flue Gas Treatment System (2 Packages)	105	616	42.86%	45%	60	Start On or After	23-Apr-20 A	29-Dec-21	07-Feb-22	07-Apr-22	99						29-Dec-21, Flue Gas Treatment System
05-4980	Boiler ash and APC residue handling and solidification (2 Packages)	105	578	79.05%	45%	22	Start On or After	23-Apr-20 A	21-Nov-21	31-Oct-21	21-Nov-21	0						Boiler ash and APC residue handling and solidification (2 Packages), 21-Nov-21, Boiler ash and APC residue handling and solidification (2 Packages)
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.01.5 Logistic arrangement design for MSW and Ash and Residue</b>																		
05-4390	Weighbridge Systems	210	210	0%	0%	210		31-Oct-21	28-May-22	22-Nov-21	19-Jun-22	22						
05-4400	Waste Crane and Grapple System	105	542	42.86%	5%	60		06-Jul-20 A	29-Dec-21	20-Feb-22	20-Apr-22	112						29-Dec-21, Waste Crane and Grapple System
05-4410	Mechanical Shredder	105	105	0%	0%	105		31-Oct-21	12-Feb-22	02-Mar-22	14-Jun-22	122						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.01.6 Site Master Layout Plan and Plant Layout (2.1.18)</b>																		
05-3520	Site Master Layout Plan and Plant Layout	60	60	0%	0%	60		09-Nov-21	07-Jan-22	09-Nov-21	07-Jan-22	0						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.01.7 Statutory Fire Compliance (2.1.26)</b>																		
05-4420	Fire Safety Compliance	60	995	0%	5%	60		10-Apr-19 A	29-Dec-21	07-Jan-22	07-Mar-22	68						29-Dec-21, Fire Safety Compliance
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.02 DDA Ground Treatment, Reclamation, Seawall, Breakwater, Berth and Turbine Hall</b>																		
05-3430-2(M37)	Geotechnical Interpretative Report (2.2.02.02)	105	1137	76.19%	65%	25		15-Oct-18 A	24-Nov-21	03-Nov-21	27-Nov-21	3						24-Nov-21, Geotechnical Interpretative Report (2.2.02.02), Geotechnical Interpretative Report (2.2.02.02)
05-3450	Seawall design (2.2.20)	60	1094	83.33%	65%	10		12-Nov-18 A	09-Nov-21	28-Nov-22	07-Dec-22	393						09-Nov-21, Seawall design (2.2.20), Seawall design (2.2.20), 09-Nov-21
05-3470	Berth design (2.2.22)	60	1105	83.33%	65%	10		01-Nov-18 A	09-Nov-21	06-May-22	15-May-22	187						09-Nov-21, Berth design (2.2.22), Berth design (2.2.22), 09-Nov-21
05-3490	Onshore vessel power supply system (2.2.24)	135	135	0%	0%	135		30-Nov-21	13-Apr-22	01-Jan-22	15-May-22	32						30-Nov-21
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03 DDA Incineration Plant Buildings (2.3)</b>																		
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.1 General Layout Drawings and Fire Safety Strategy (2.3.25)</b>																		
05-3290	Process Building	90	90	0%	0%	90		08-Jan-22	07-Apr-22	08-Jan-22	07-Apr-22	0						08-Jan-22
05-3300	ACC Equipment Yard	90	90	0%	0%	90		30-Dec-21	29-Mar-22	08-Jan-22	07-Apr-22	9						30-Dec-21
05-3310	Turbine Hall Building	90	335	33.33%	25%	60		29-Apr-21 A	29-Mar-22	07-Feb-22	07-Apr-22	9						
05-3320	CCCW Building	90	336	0%	25%	90		28-Apr-21 A	29-Mar-22	08-Jan-22	07-Apr-22	9						
05-3330	Chimney	90	90	0%	0%	90		30-Dec-21	29-Mar-22	08-Jan-22	07-Apr-22	9						30-Dec-21
05-3340	Elevated Drive Way and Associated Structures	90	285	0%	5%	90		18-Jun-21 A	29-Mar-22	08-Jan-22	07-Apr-22	9						
05-3350	Reception Pavilion	90	90	0%	0%	90		30-Dec-21	29-Mar-22	08-Jan-22	07-Apr-22	9						30-Dec-21
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.2 Foundation design (2.3.13)</b>																		
05-3230	ACC Equipment Yard	135	135	0%	0%	135		31-Oct-21	14-Mar-22	02-Mar-22	14-Jul-22	122						31-Oct-21
05-3240	Turbine Hall Building	135	175	55.56%	25%	60		08-Jul-21 A	29-Dec-21	06-Jun-22	04-Aug-22	218						29-Dec-21, Turbine Hall Building, Turbine Hall Building
05-3250	Compressor and CCCW Building	135	135	0%	0%	135		31-Oct-21	14-Mar-22	23-Jan-22	06-Jun-22	84						31-Oct-21
05-3260	Chimney	135	135	0%	0%	135		31-Oct-21	14-Mar-22	10-Jan-22	24-May-22	71						31-Oct-21
05-3270	Elevated Drive Way and Associated Structures	135	135	0%	0%	135		31-Oct-21	14-Mar-22	19-Apr-22	31-Aug-22	170						31-Oct-21
05-3280	Reception Pavilion	135	270	0%	5%	135		18-Jun-21 A	14-Mar-22	09-Oct-22	20-Feb-23	343						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.3 Structural design (2.3.14)</b>																		
05-5330	Process Building	189	189	0%	0%	189		31-Oct-21	07-May-22	13-Jan-22	20-Jul-22	74						31-Oct-21
05-5350	Turbine Hall Building (2.3.14.03)	189	339	0%	25%	189		03-Jun-21 A	07-May-22	07-Jun-22	12-Dec-22	219						
05-5360	CCCW Building	189	324	0%	5%	189		18-Jun-21 A	07-May-22	01-Nov-21	08-May-22	1						
05-5370	Chimney	135	135	0%	0%	135		31-Oct-21	14-Mar-22	12-Feb-22	26-Jun-22	104						31-Oct-21
05-5380	Elevated Drive Way and associated structures	189	189	0%	0%	189		31-Oct-21	07-May-22	24-Feb-22	31-Aug-22	116						31-Oct-21
05-5390	Reception Pavilion Structural Design	23	240	0%	5%	105	Start On or After	18-Jun-21 A	12-Feb-22	22-Jan-23	06-May-23	448						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.4 Electrical and instrumentation works design (2.3.15)</b>																		
05-3360	11kV/380V Power Transformers and 11kV Earthing Transformer	105	494	14.29%	5%	90		22-Sep-20 A	28-Jan-22	27-Jan-22	04-Dec-22	310						
05-3370	E&IC Package 1 (Process Island)	120	402	25%	50%	90		23-Dec-20 A	28-Jan-22	27-Jan-22	26-Apr-22	88						
05-3380	E&IC Package 2 (Power Island)	165	353	45.45%	5%	90		10-Feb-21 A	28-Jan-22	06-Sep-22	04-Dec-22	310						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.8 Operation Management System (2.3.15.04)</b>																		
05-3390-1(M46)	Control Works Design SCADA & PLC Control System - Hardware Design	105	836	42.86%	5%	60		16-Sep-19 A	29-Dec-21	24-Apr-22	22-Jun-22	175						29-Dec-21, Control Works Design SCADA & PLC Control System - Hardware Design
05-3390-2(M46)	Control Works Design SCADA & PLC Control System - Functional Description Specification	105	171	42.86%	5%	60		12-Jul-21 A	29-Dec-21	24-Apr-22	22-Jun-22	175						29-Dec-21, Control Works Design SCADA & PLC Control System - Functional Description Specification
05-3390-4(M46)	System Networks Details	105	463	42.86%	50%	60		23-Sep-20 A	29-Dec-21	24-Apr-22	22-Jun-22	175						29-Dec-21, System Networks Details
05-3390-5(M46)	OLM Panel Design for Process Island	105	241	42.86%	5%	60		03-May-21 A	29-Dec-21	24-Apr-22	22-Jun-22	175						29-Dec-21, OLM Panel Design for Process Island
05-3390-6(M46)	Process Related 3rd Party System	105	386	42.86%	5%	60		09-Dec-20 A	29-Dec-21	24-Apr-22	22-Jun-22	175						29-Dec-21, Process Related 3rd Party System
05-3390-7(M46)	Software Standard Component	105	386	42.86%	65%	60		09-Dec-20 A	29-Dec-21	24-Apr-22	22-Jun-22	175						29-Dec-21, Software Standard Component
05-3390-8(M46)	Software Detail Design for Process Island SIL	105	386	42.86%	65%	60		09-Dec-20 A	29-Dec-21	24-Apr-22	22-Jun-22	175						29-Dec-21, Software Detail Design for Process Island SIL
05-3420	Automatic License Plate and Container Recognition System (ALPCRS)	90	90	0%	0%	90		31-Oct-21	28-Jan-22	25-Mar-22	22-Jun-22	145						31-Oct-21
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.5 Mechanical works design (2.3.16)</b>																		
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.5.1 Plant and Equipment</b>																		
05-3580	Weighbridge Systems	105	105	0%	0%	105		31-Oct-21	12-Feb-22	07-Mar-22	19-Jun-22	127						31-Oct-21
05-3590	Waste Crane and Grapple System	105	456	42.86%	5%	60		30-Sep-20 A	29-Dec-21	20-Feb-22	20-Apr-22	112						29-Dec-21, Waste Crane and Grapple System
05-3600	Mechanical Shredder	105	492	0%	5%	105		09-Oct-20 A	12-Feb-22	02-Mar-22	14-Jun-22	122						
05-3610	Incineration System (9 Packages)	105	1096	0%	5%	105		13-Feb-19 A	12-Feb-22	08-Apr-22	21-Jul-22	159						
05-3620	Heat Recovery Boiler (8 Packages)	105	1003	0%	5%	105		17-May-19 A	12-Feb-22	27-Apr-22	09-Aug-22	178						
05-3630	Boiler Feed Water Systems (4 Packages)	105	898	42.86%	45%	60		16-Jul-19 A	29-Dec-21	29-Nov-21	27-Jan-22	29						29-Dec-21, Boiler Feed Water Systems (4 Packages)
05-3640	Ash cranes	30	298	0%	65%	34		09-Feb-21 A	03-Dec-21	18-Mar-22	20-Apr-22	138						03-Dec-21, Ash cranes, Ash cranes, 03-Dec-21

3-Month Rolling Programme (October 2021)

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

Integrated Waste Management Facilities, Phase 1

Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021			2022
														Oct 47	Nov 48	Dec 49	Jan 50
05-3650	Leachate collection and treatment	105	426	71.43%	5%	30	Start On or	30-Sep-20 A	29-Nov-21	08-Apr-22	07-May-22	159					29-Nov-21, Leachate collection and treatment, Leachate collection and t
05-3790	Flue Gas Treatment System (12 Packages)	105	807	42.86%	25%	60		15-Oct-19 A	29-Dec-21	07-Feb-22	07-Apr-22	99					29-Dec-21, Flue Gas Treatment Syst
05-3800	Boiler ash and APC residue handling and solidification	105	569	42.86%	45%	60	Start On or	09-Jun-20 A	29-Dec-21	09-Mar-22	07-May-22	129					29-Dec-21, Boiler ash and APC resi
05-3810	Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PR	105	488	71.43%	5%	30		30-Jul-20 A	29-Nov-21	09-Mar-22	07-Apr-22	129					29-Nov-21, Steam Turbine Generator (STG) and Pressure Reducing and
05-3820	Air cooled condenser	105	488	71.43%	5%	30		30-Jul-20 A	29-Nov-21	09-Apr-22	08-May-22	160					29-Nov-21, Air cooled condenser, Air cooled condenser, 29-Nov-21
05-3825(3)	Closed Circuit Cooling Water System	105	478	80.95%	5%	20		30-Jul-20 A	19-Nov-21	19-May-22	07-Jun-22	200					19-Nov-21, Closed Circuit Cooling Water System, Closed Circuit Cooling Water Sys
05-3830	Compressed Air Plants	105	1078	17.14%	5%	87		13-Feb-19 A	25-Jan-22	13-Mar-23	07-Jun-23	498					25-J
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.5.2 Process Pipeworks (Incl. Ductworks) and Valves</b>		<b>562</b>	<b>959</b>	<b>89.32%</b>		<b>60</b>		<b>16-May-19 A</b>	<b>29-Dec-21</b>	<b>31-Oct-21</b>	<b>31-Oct-23</b>	<b>671</b>					
05-3840	Process island (furnace-boiler-FGC)	105	929	71.43%	5%	30		16-May-19 A	29-Nov-21	08-Apr-22	07-May-22	159					29-Nov-21, Process island (furnace-boiler-FGC), Process island (furnac
05-4350	Pipebridge A (Between Process island & Turbine Hall)	105	459	71.43%	5%	30		28-Aug-20 A	29-Nov-21	09-Mar-22	07-Apr-22	129					29-Nov-21, Pipebridge A (Between Process island & Turbine Hall), Pipe
05-4360	Compressed Air Plant area	105	440	89.52%	5%	11		28-Aug-20 A	10-Nov-21	31-Oct-21	10-Nov-21	0					Compressed Air Plant area, 10-Nov-21, 10-Nov-21, Compressed Air Plant area
05-4380	Pipebridge C (Between Turbine Hall & ACC Equipment Yard)	105	489	42.86%	5%	60		28-Aug-20 A	29-Dec-21	02-Sep-23	31-Oct-23	671					29-Dec-21, Pipebridge C (Between
05-4950	Turbine Hall	105	459	71.43%	5%	30		28-Aug-20 A	29-Nov-21	08-Jun-22	07-Jul-22	220					29-Nov-21, Turbine Hall, Turbine Hall, 29-Nov-21
05-4960	ACC Equipment Yard	105	440	89.52%	5%	11		28-Aug-20 A	10-Nov-21	31-Oct-21	10-Nov-21	0					ACC Equipment Yard, 10-Nov-21, 10-Nov-21, ACC Equipment Yard
05-4970	CCCW Area	105	440	89.52%	5%	11		28-Aug-20 A	10-Nov-21	31-Oct-21	10-Nov-21	0					CCCW Area, 10-Nov-21, 10-Nov-21, CCCW Area
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.5.3 Process steel structure support (For equipment, piping &amp;</b>		<b>105</b>	<b>519</b>	<b>14.29%</b>		<b>90</b>		<b>28-Aug-20 A</b>	<b>28-Jan-22</b>	<b>11-Apr-22</b>	<b>31-Oct-23</b>	<b>641</b>					
05-3540	Pipe rack TH 1 to 3 (Between Process island & Turbine Hall)	105	519	14.29%	5%	90		28-Aug-20 A	28-Jan-22	11-Apr-22	09-Jul-22	162					
05-3570	Pipebridge C (Between Turbine Hall & ACC Equipment Yard)	105	489	42.86%	5%	60		28-Aug-20 A	29-Dec-21	02-Sep-23	31-Oct-23	671					29-Dec-21, Pipebridge C (Between
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.5.4 Equipment and piping insulation</b>		<b>197</b>	<b>946</b>	<b>94.42%</b>		<b>11</b>		<b>10-Apr-19 A</b>	<b>10-Nov-21</b>	<b>31-Oct-21</b>	<b>10-Nov-21</b>	<b>0</b>					
05-4500	Incineration System	105	946	89.52%	45%	11	Start On or	10-Apr-19 A	10-Nov-21	31-Oct-21	10-Nov-21	0					Incineration System, 10-Nov-21, 10-Nov-21, Incineration System
05-4510	Heat Recovery Boiler	105	910	89.52%	45%	11	Start On or	16-May-19 A	10-Nov-21	31-Oct-21	10-Nov-21	0					Heat Recovery Boiler, 10-Nov-21, 10-Nov-21, Heat Recovery Boiler
05-4520	Boiler Feed Water Systems	105	849	89.52%	45%	11	Start On or	16-Jul-19 A	10-Nov-21	31-Oct-21	10-Nov-21	0					Boiler Feed Water Systems, 10-Nov-21, 10-Nov-21, Boiler Feed Water Systems
05-4530	Flue Gas Treatment System	105	349	89.52%	5%	11	Start On or	27-Nov-20 A	10-Nov-21	31-Oct-21	10-Nov-21	0					Flue Gas Treatment System, 10-Nov-21, 10-Nov-21, Flue Gas Treatment System
05-4540	Boiler ash and APC residue handling and solidification	105	520	89.52%	45%	11	Start On or	09-Jun-20 A	10-Nov-21	31-Oct-21	10-Nov-21	0					Boiler ash and APC residue handling and solidification, 10-Nov-21, 10-Nov-21, Boiler ash and
05-4550	Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PR	105	311	89.52%	45%	11		04-Jan-21 A	10-Nov-21	31-Oct-21	10-Nov-21	0					Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PRDS),
05-4560	Air cooled condenser	105	311	89.52%	45%	11		04-Jan-21 A	10-Nov-21	31-Oct-21	10-Nov-21	0					Air cooled condenser, 10-Nov-21, 10-Nov-21, Air cooled condenser
05-4570	Closed Circuit Cooling Water System	105	469	89.52%	25%	11		30-Jul-20 A	10-Nov-21	31-Oct-21	10-Nov-21	0					Closed Circuit Cooling Water System, 10-Nov-21, 10-Nov-21, Closed Circuit Cooling Water S
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.6 Fire services installation design (2.3.17)</b>		<b>105</b>	<b>105</b>	<b>0%</b>		<b>105</b>		<b>14-Nov-21</b>	<b>26-Feb-22</b>	<b>23-Nov-21</b>	<b>07-Mar-22</b>	<b>9</b>					
05-3680	FS schematics	105	105	0%	0%	105		14-Nov-21	26-Feb-22	23-Nov-21	07-Mar-22	9					14-Nov-21
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.03.7 Building services design (excluding fire services installatio</b>		<b>210</b>	<b>210</b>	<b>0%</b>		<b>210</b>		<b>31-Oct-21</b>	<b>28-May-22</b>	<b>08-Dec-21</b>	<b>20-Jul-22</b>	<b>53</b>					
05-3690	Electrical Services and Lighting (7 Packages)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Dec-21	21-Apr-22	38					31-Oct-21
05-3700	MVAC	90	90	0%	0%	90		30-Dec-21	29-Mar-22	29-Mar-22	26-Jun-22	89					30-Dec-21
05-3710	Odour Control	135	135	0%	0%	135		14-Jan-22	28-May-22	12-Feb-22	26-Jun-22	29					14-Jan-22
05-3720	Plumbing (7 Packages)	135	135	0%	0%	135	Start On or	31-Oct-21*	14-Mar-22	14-Dec-21	27-Apr-22	44					31-Oct-21*
05-3730	Drainage (7 Packages)	105	105	0%	0%	105		30-Dec-21	13-Apr-22	23-Jan-22	07-May-22	24					30-Dec-21
05-3740	ELV (7 Packages)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Dec-21	21-Apr-22	38					31-Oct-21
05-3750	Lifts and Escalators	135	135	0%	0%	135		30-Dec-21	13-May-22	08-Jan-22	22-May-22	9					30-Dec-21
05-3770	Building Management System (BMS)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Mar-22	20-Jul-22	128					31-Oct-21
05-3780	Vehicle & Container Wash System	105	105	0%	0%	105		01-Dec-21	15-Mar-22	30-Dec-21	13-Apr-22	29					01-Dec-21
05-3780-2(M20)	Water Cannon System	60	60	0%	0%	60		14-Nov-21	12-Jan-22	09-Dec-21	06-Feb-22	25					14-Nov-21
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.9 DDA Air Cool Condensers Equipment (2.3.06)</b>		<b>135</b>	<b>135</b>	<b>0%</b>		<b>135</b>		<b>31-Oct-21</b>	<b>14-Mar-22</b>	<b>08-Dec-21</b>	<b>20-Oct-22</b>	<b>220</b>					
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.9.7 Building services design (excluding fire services installation</b>		<b>135</b>	<b>135</b>	<b>0%</b>		<b>135</b>		<b>31-Oct-21</b>	<b>14-Mar-22</b>	<b>08-Dec-21</b>	<b>20-Oct-22</b>	<b>220</b>					
05-5510	Electrical Services and Lighting	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Dec-21	21-Apr-22	38					31-Oct-21
05-5520	Plumbing	135	135	0%	0%	135		31-Oct-21	14-Mar-22	14-Dec-21	27-Apr-22	44					31-Oct-21
05-5530	ELV	135	135	0%	0%	135		31-Oct-21	14-Mar-22	13-Dec-21	26-Apr-22	43					31-Oct-21
05-5540	Building Management System (BMS)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Jun-22	20-Oct-22	220					31-Oct-21
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.04 DDA Mechanical Treatment Plant Building (2.4)</b>		<b>210</b>	<b>210</b>	<b>0%</b>		<b>210</b>		<b>31-Oct-21</b>	<b>28-May-22</b>	<b>08-Dec-21</b>	<b>10-Jul-22</b>	<b>43</b>					
05-5160	Architectural Design (2.4.25)	105	105	0%	0%	105	Start On or	30-Dec-21*	13-Apr-22	11-Jan-22	25-Apr-22	12					30-Dec-21*
05-5170	Foundation design (2.4.13)	135	135	0%	0%	135		30-Dec-21	13-May-22	26-Feb-22	10-Jul-22	58					30-Dec-21
05-5210	Fire services installation design (2.4.17)	60	60	0%	0%	60		30-Dec-21	27-Feb-22	07-Jan-22	07-Mar-22	8					30-Dec-21
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.04.7 Building services design (excluding fire services installatio</b>		<b>210</b>	<b>210</b>	<b>0%</b>		<b>210</b>		<b>31-Oct-21</b>	<b>28-May-22</b>	<b>08-Dec-21</b>	<b>26-Jun-22</b>	<b>29</b>					
05-3850	LV and Emergency Power Distribution Design	135	135	0%	0%	135	Start On or	31-Oct-21*	14-Mar-22	08-Dec-21	21-Apr-22	38					31-Oct-21*
05-3860	MVAC	90	90	0%	0%	90		30-Nov-21	27-Feb-22	29-Mar-22	26-Jun-22	119					30-Nov-21
05-3870	Odour Control	135	135	0%	0%	135		14-Jan-22	28-May-22	12-Feb-22	26-Jun-22	29					14-Jan-22
05-3880	Plumbing	135	135	0%	0%	135		31-Oct-21	14-Mar-22	14-Dec-21	27-Apr-22	44					31-Oct-21
05-3890	Drainage	105	105	0%	0%	105		30-Nov-21	14-Mar-22	23-Jan-22	07-May-22	54					30-Nov-21
05-3900	Lighting and small power	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Dec-21	21-Apr-22	38					31-Oct-21
05-3910	Lifts and Escalators	75	75	0%	0%	75		30-Nov-21	12-Feb-22	09-Mar-22	22-May-22	99					30-Nov-21
05-3910-1	Building Management System (BMS)	135	135	0%	0%	135		30-Nov-21	13-Apr-22	08-Jan-22	22-May-22	39					30-Nov-21
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.05 DDA Wastewater Treatment Plant (2.5)</b>		<b>135</b>	<b>135</b>	<b>0%</b>		<b>135</b>		<b>31-Oct-21</b>	<b>14-Mar-22</b>	<b>08-Dec-21</b>	<b>07-Sep-22</b>	<b>177</b>					
05-3940	Structural design (2.5.14)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	26-Apr-22	07-Sep-22	177					31-Oct-21
05-3950	Electrical and instrumentation works design (2.5.15)	131	131	0%	0%	131		31-Oct-21	10-Mar-22	18-Apr-22	26-Aug-22	169					31-Oct-21
05-3960	Mechanical works design (2.5.16) (2 Packages)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	15-Feb-22	30-May-22	107					31-Oct-21
05-3970	Fire services installation design (2.5.17) (2 Packages)	60	60	0%	0%	60	Start On or	30-Dec-21*	27-Feb-22	07-Jan-22	07-Mar-22	8					30-Dec-21*
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.05.7 Building services design (excluding fire services installatio</b>		<b>135</b>	<b>135</b>	<b>0%</b>		<b>135</b>		<b>31-Oct-21</b>	<b>14-Mar-22</b>	<b>08-Dec-21</b>	<b>2</b>						

Integrated Waste Management Facilities, Phase 1

Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021				2022
														Oct 47	Nov 48	Dec 49	Jan 50	
05-4010	Plumbing	135	135	0%	0%	135		31-Oct-21	14-Mar-22	14-Dec-21	27-Apr-22	44		31-Oct-21				
05-4020	Drainage	105	105	0%	0%	105		30-Nov-21	14-Mar-22	23-Jan-22	07-May-22	54			30-Nov-21			
05-4030	ELV	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Dec-21	21-Apr-22	38		31-Oct-21				
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.06 DDA Water Treatment Plant Building (2.6)</b>		<b>225</b>	<b>225</b>	<b>0%</b>	<b>0%</b>	<b>225</b>		<b>31-Oct-21</b>	<b>12-Jun-22</b>	<b>08-Dec-21</b>	<b>14-Oct-22</b>	<b>124</b>						
05-4050	Architectural Design (2.6.25)	135	135	0%	0%	135		29-Jan-22	12-Jun-22	26-Feb-22	10-Jul-22	28						29-Jan-22
05-4060	Foundation design (2.6.13)	135	135	0%	0%	135		29-Jan-22	12-Jun-22	26-Feb-22	10-Jul-22	28						29-Jan-22
05-4070	Structural design (2.6.14)	135	135	0%	0%	135		29-Jan-22	12-Jun-22	02-Jun-22	14-Oct-22	124						29-Jan-22
05-4100	Fire services installation design (2.6.17)	60	60	0%	0%	60		30-Dec-21	27-Feb-22	07-Jan-22	07-Mar-22	8			30-Dec-21			
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.06.7 Building services design (excluding fire services installatio</b>		<b>165</b>	<b>165</b>	<b>0%</b>	<b>0%</b>	<b>165</b>		<b>31-Oct-21</b>	<b>13-Apr-22</b>	<b>08-Dec-21</b>	<b>26-Jun-22</b>	<b>74</b>						
05-4110	Electrical Services and Lighting	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Dec-21	21-Apr-22	38		31-Oct-21				
05-4120	MVAC	90	90	0%	0%	90		31-Oct-21	28-Jan-22	29-Mar-22	26-Jun-22	149		31-Oct-21				
05-4140	Plumbing	135	135	0%	0%	135		31-Oct-21	14-Mar-22	14-Dec-21	27-Apr-22	44		31-Oct-21				
05-4150	Drainage	105	105	0%	0%	105		30-Dec-21	13-Apr-22	23-Jan-22	07-May-22	24			30-Dec-21			
05-4160	ELV	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Dec-21	21-Apr-22	38		31-Oct-21				
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.07 DDA Administration Building (2.7)</b>		<b>165</b>	<b>165</b>	<b>0%</b>	<b>0%</b>	<b>165</b>		<b>31-Oct-21</b>	<b>13-Apr-22</b>	<b>07-Jan-22</b>	<b>21-Feb-23</b>	<b>314</b>						
05-4170	Architectural Design (2.7.21)	105	105	0%	0%	105	Start On or	30-Dec-21*	13-Apr-22	08-Jan-22	22-Apr-22	9			30-Dec-21*			
05-4180	Foundation design (2.7.11)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	23-Sep-22	05-Jan-23	327		31-Oct-21				
05-4190	Structural design (2.7.12)	105	105	0%	0%	105		30-Dec-21	13-Apr-22	09-Nov-22	21-Feb-23	314			30-Dec-21			
05-4210	Fire services installation design (2.7.14)	60	60	0%	0%	60		30-Dec-21	27-Feb-22	07-Jan-22	07-Mar-22	8			30-Dec-21			
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.07.6 Building services design (excluding fire services installatio</b>		<b>165</b>	<b>165</b>	<b>0%</b>	<b>0%</b>	<b>165</b>		<b>31-Oct-21</b>	<b>13-Apr-22</b>	<b>07-Jan-22</b>	<b>13-Jan-23</b>	<b>275</b>						
05-4220	Electrical Services and Lighting	105	105	0%	0%	105		31-Oct-21	12-Feb-22	07-Jan-22	21-Apr-22	68		31-Oct-21				
05-4230	MVAC	105	105	0%	0%	105		30-Dec-21	13-Apr-22	14-Mar-22	26-Jun-22	74			30-Dec-21			
05-4250	Plumbing	105	105	0%	0%	105		31-Oct-21	12-Feb-22	13-Jan-22	27-Apr-22	74		31-Oct-21				
05-4260	Drainage	105	105	0%	0%	105		31-Oct-21	12-Feb-22	23-Jan-22	07-May-22	84		31-Oct-21				
05-4270	ELV	105	105	0%	0%	105		31-Oct-21	12-Feb-22	12-Jan-22	26-Apr-22	73		31-Oct-21				
05-4280	Lifts and Escalators	105	105	0%	0%	105		30-Dec-21	13-Apr-22	07-Feb-22	22-May-22	39			30-Dec-21			
05-4280-1	Building Management System (BMS)	105	105	0%	0%	105		31-Oct-21	12-Feb-22	01-Oct-22	13-Jan-23	335		31-Oct-21				
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.08 DDA IWMF Substation (2.8)</b>		<b>395</b>	<b>807</b>	<b>50.63%</b>		<b>195</b>		<b>27-Feb-20 A</b>	<b>13-May-22</b>	<b>12-Nov-21</b>	<b>01-Sep-22</b>	<b>111</b>						
05-4290	Architectural Design (2.8.25)	105	240	0%	5%	105	Start On or	18-Jun-21 A	12-Feb-22	08-Jan-22	22-Apr-22	69						
05-4310	Structural design (2.8.14)	195	807	31.28%	65%	134		27-Feb-20 A	13-May-22	21-Apr-22	01-Sep-22	111						
05-4320	Electrical and instrumentation works design (2.8.15)	75	75	0%	0%	75		31-Oct-21	13-Jan-22	12-Nov-21	25-Jan-22	12		31-Oct-21				
05-4340	Fire services installation design (2.8.17)	60	60	0%	0%	60		14-Nov-21	12-Jan-22	27-Nov-21	25-Jan-22	13			14-Nov-21		13-Jan-22, Electric	
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.08.7 Building services design (excluding fire services installatio</b>		<b>135</b>	<b>135</b>	<b>0%</b>	<b>0%</b>	<b>135</b>		<b>31-Oct-21</b>	<b>14-Mar-22</b>	<b>29-Nov-21</b>	<b>27-Apr-22</b>	<b>44</b>						
05-4990	Electrical Services and Lighting	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Dec-21	21-Apr-22	38		31-Oct-21				
05-5000	MVAC	90	90	0%	0%	90		31-Oct-21	28-Jan-22	12-Dec-21	11-Mar-22	42		31-Oct-21				
05-5010	Plumbing	135	135	0%	0%	135		31-Oct-21	14-Mar-22	14-Dec-21	27-Apr-22	44		31-Oct-21				
05-5020	Drainage	105	105	0%	0%	105		31-Oct-21	12-Feb-22	12-Dec-21	26-Mar-22	42		31-Oct-21				
05-5030	ELV	135	135	0%	0%	135		31-Oct-21	14-Mar-22	08-Dec-21	21-Apr-22	38		31-Oct-21				
05-5030-1	Building Management System (BMS)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	29-Nov-21	12-Apr-22	29		31-Oct-21				
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.1 DDA Chimney</b>		<b>131</b>	<b>131</b>	<b>0%</b>	<b>0%</b>	<b>131</b>		<b>19-Dec-21</b>	<b>28-Apr-22</b>	<b>22-Jan-22</b>	<b>26-Jun-22</b>	<b>59</b>						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.1.1 Building services design (excluding fire services installation</b>		<b>131</b>	<b>131</b>	<b>0%</b>	<b>0%</b>	<b>131</b>		<b>19-Dec-21</b>	<b>28-Apr-22</b>	<b>22-Jan-22</b>	<b>26-Jun-22</b>	<b>59</b>						
05-6000-1(5a)	Electrical Services and Lighting	90	90	0%	0%	90		19-Dec-21	18-Mar-22	22-Jan-22	21-Apr-22	34			19-Dec-21			
05-6010(5a)	MVAC	90	90	0%	0%	90		19-Dec-21	18-Mar-22	29-Mar-22	26-Jun-22	100			19-Dec-21			
05-6020-1(5a)	Plumbing	90	90	0%	0%	90		19-Dec-21	18-Mar-22	28-Jan-22	27-Apr-22	40			19-Dec-21			
05-6030-1(5a)	Drainage	90	90	0%	0%	90		19-Dec-21	18-Mar-22	07-Feb-22	07-May-22	50			19-Dec-21			
05-6040-1(5a)	ELV	90	90	0%	0%	90		19-Dec-21	18-Mar-22	27-Jan-22	26-Apr-22	39			19-Dec-21			
05-6050-1(5a)	Lift	90	90	0%	0%	90		29-Jan-22	28-Apr-22	22-Feb-22	22-May-22	24					29-Jan-22	
05-6060-1(5a)	Building Management System (BMS)	90	90	0%	0%	90		29-Jan-22	28-Apr-22	29-Mar-22	26-Jun-22	59					29-Jan-22	
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.4 DDA Elevated Drive Way and Associated Structures Foundation</b>		<b>135</b>	<b>135</b>	<b>0%</b>	<b>0%</b>	<b>135</b>		<b>31-Oct-21</b>	<b>14-Mar-22</b>	<b>09-May-22</b>	<b>20-Sep-22</b>	<b>190</b>						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.4.1 Building services design (excluding fire services installation</b>		<b>135</b>	<b>135</b>	<b>0%</b>	<b>0%</b>	<b>135</b>		<b>31-Oct-21</b>	<b>14-Mar-22</b>	<b>09-May-22</b>	<b>20-Sep-22</b>	<b>190</b>						
05-5560	Building Management System (BMS)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	09-May-22	20-Sep-22	190		31-Oct-21				
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.5 DDA Reception Pavilion</b>		<b>0</b>	<b>0</b>	<b>0%</b>	<b>0%</b>	<b>0</b>		<b>31-Oct-21</b>	<b>31-Oct-21</b>	<b>07-Nov-22</b>	<b>07-Nov-22</b>	<b>373</b>						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.5.1 Building services design (excluding fire services installation</b>		<b>0</b>	<b>0</b>	<b>0%</b>	<b>0%</b>	<b>0</b>		<b>31-Oct-21</b>	<b>31-Oct-21</b>	<b>07-Nov-22</b>	<b>07-Nov-22</b>	<b>373</b>						
05-2130-1	Building Management System (BMS)	0	0	0%	0%	0		31-Oct-21	31-Oct-21	07-Nov-22	07-Nov-22	373		31-Oct-21	31-Oct-21, Building Management System (BMS)			
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.6 DDA CCCW Building</b>		<b>135</b>	<b>135</b>	<b>0%</b>	<b>0%</b>	<b>135</b>		<b>31-Oct-21</b>	<b>14-Mar-22</b>	<b>11-Aug-22</b>	<b>23-Dec-22</b>	<b>284</b>						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.6.1 Building services design (excluding fire services installation</b>		<b>135</b>	<b>135</b>	<b>0%</b>	<b>0%</b>	<b>135</b>		<b>31-Oct-21</b>	<b>14-Mar-22</b>	<b>11-Aug-22</b>	<b>23-Dec-22</b>	<b>284</b>						
05-2130-2	Building Management System (BMS)	135	135	0%	0%	135		31-Oct-21	14-Mar-22	11-Aug-22	23-Dec-22	284		31-Oct-21				
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.09 DDA Air Quality Monitoring Stations (2.9)</b>		<b>105</b>	<b>105</b>	<b>0%</b>	<b>0%</b>	<b>105</b>		<b>29-Jan-22</b>	<b>13-May-22</b>	<b>28-Apr-22</b>	<b>10-Aug-22</b>	<b>89</b>						
05-4490	Design of the Air Quality Monitoring Stations (2.9.03)	105	105	0%	0%	105		29-Jan-22	13-May-22	28-Apr-22	10-Aug-22	89						29-Jan-22
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.10 DDA Roads and Utilities (2.10)</b>		<b>378</b>	<b>1018</b>	<b>40.48%</b>		<b>225</b>		<b>30-Aug-19 A</b>	<b>12-Jun-22</b>	<b>13-Dec-21</b>	<b>07-Sep-23</b>	<b>452</b>						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.10.1 Permanent road works layout on the Artificial Island (2.10.1)</b>		<b>135</b>	<b>135</b>	<b>0%</b>	<b>0%</b>	<b>135</b>		<b>11-Nov-21</b>	<b>25-Mar-22</b>	<b>28-Mar-22</b>	<b>09-Aug-22</b>	<b>137</b>						
05-4470	Roads and hardstandings layout	135	135	0%	0%	135		11-Nov-21	25-Mar-22	28-Mar-22	09-Aug-22	137			11-Nov-21			
05-4480	Road signage and markings	135	135	0%	0%	135		11-Nov-21	25-Mar-22	28-Mar-22	09-Aug-22	137			11-Nov-21			
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.10.2 Sewerage design on the Artificial Island (2.10.14)</b>		<b>135</b>	<b>135</b>	<b>0%</b>	<b>0%</b>	<b>135</b>		<b>11-Nov-21</b>	<b>25-Mar-22</b>									



Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021				2022
														Oct 47	Nov 48	Dec 49	Jan 50	
05-5320	First Flush Drainage System concept	105	105	0%	0%	105		11-Nov-21	23-Feb-22	02-Feb-22	17-May-22	83						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.10.4 Water supply system design on the Artificial Island (2.10.16)</b>																		
05-5250	Potable Water Distribution System	135	135	0%	0%	135		31-Oct-21	14-Mar-22	11-May-22	22-Sep-22	192						
05-5260	Recycled Water System	135	135	0%	0%	135		31-Oct-21	14-Mar-22	11-May-22	22-Sep-22	192						
05-5270	Irrigation System	135	135	0%	0%	135		31-Oct-21	14-Mar-22	14-Dec-21	27-Apr-22	44						
05-5280	Rainwater harvesting System	135	135	0%	0%	135		31-Oct-21	14-Mar-22	14-Dec-21	27-Apr-22	44						
05-5300-1(M24)	E&M system for seawater intake (2.10.16.07)	135	928	0%	5%	135		30-Aug-19 A	14-Mar-22	13-Dec-21	26-Apr-22	43						
05-5300-2(M24)	Building Services system for seawater intake (2.10.16.09)	135	135	0%	0%	135		30-Nov-21	13-Apr-22	14-Dec-21	27-Apr-22	14						
05-5300-3(5a)	Chemical scrubber system for odour control (2.10.16.10)	135	135	0%	0%	135		29-Jan-22	12-Jun-22	12-Feb-22	26-Jun-22	14						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.10.6 Design of telecommunication and other utilities (2.10.18)</b>																		
05-3400 (M21)	Computerised Maintenance Management System (CMMS)	90	90	0%	0%	90		31-Oct-21	28-Jan-22	25-Mar-22	22-Jun-22	145						
05-3410 (M21)	Information and Document Management System (IDMS)	90	90	0%	0%	90		31-Oct-21	28-Jan-22	25-Mar-22	22-Jun-22	145						
05-4580	Power Distribution System concept / schematics	75	75	0%	0%	75		30-Dec-21	14-Mar-22	02-Mar-22	15-May-22	62						
05-4590	Site Lighting Concept / Schematics	135	135	0%	0%	135		31-Oct-21	14-Mar-22	26-Apr-23	07-Sep-23	542						
05-4600	Lightning Protection System concept / schematics	135	135	0%	0%	135		31-Oct-21	14-Mar-22	13-Oct-21	26-Apr-22	43						
05-4610	Site ELV Network System - Communications System concept / schematics	75	75	0%	0%	75		30-Dec-21	14-Mar-22	02-Mar-22	15-May-22	62						
05-4620	Site ELV Network System - Security Systems concept / schematics	75	75	0%	0%	75		30-Dec-21	14-Mar-22	02-Mar-22	15-May-22	62						
05-4640	Microwave transmission of FS direct link	135	135	0%	0%	135		30-Nov-21	13-Apr-22	01-Jan-22	15-May-22	32						
05-4650	Fuel Handling System concept / schematics	135	135	0%	0%	135		16-Dec-21	29-Apr-22	01-Jan-23	15-May-23	381						
05-5400-1(M22)	Automatic Traffic Control System (ATCS)	135	135	0%	0%	135		29-Jan-22	12-Jun-22	20-Feb-23	04-Jul-23	387						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.10.7 Utility ducts/Pipebridges design (2.10.26)</b>																		
05-5040	Design of Pipe / Utilities Trenches concept	135	135	0%	0%	135		30-Dec-21	13-May-22	28-Oct-22	11-Mar-23	302						
05-5050	Sitewide Utilities Trenches Design	135	135	0%	0%	135		30-Dec-21	13-May-22	28-Oct-22	11-Mar-23	302						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.10.7.3 Layout Plan for Pipe Bridge Network</b>																		
05-7000	Pipebridge A (Prefab. 3)	135	472	37.04%	5%	85		09-Oct-20 A	23-Jan-22	16-Apr-22	09-Jul-22	167						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.10.7.1 Foundation Plan for Pipe Bridge Network</b>																		
05-7030	Pipebridge A (Prefab. 3)	135	472	37.04%	5%	85		09-Oct-20 A	23-Jan-22	16-Apr-22	09-Jul-22	167						
05-7040	Pipebridge B	135	135	0%	5%	135		31-Oct-21	14-Mar-22	09-Feb-22	23-Jun-22	101						
05-7050	Pipebridge C	135	135	0%	5%	135		31-Oct-21	14-Mar-22	16-Feb-22	30-Jun-22	108						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.10.7.2 Structure Plan for Pipe Bridge Network</b>																		
05-7060	Pipebridge A (Prefab. 3)	135	472	37.04%	5%	85		09-Oct-20 A	23-Jan-22	16-Apr-22	09-Jul-22	167						
05-7070	Pipebridge B	135	459	77.78%	5%	30		28-Aug-20 A	29-Nov-21	10-Jun-22	09-Jul-22	222						
05-7080	Pipebridge C	135	459	77.78%	5%	30		28-Aug-20 A	29-Nov-21	10-Jun-22	09-Jul-22	222						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.11 DDA Architectural, Finishes and Landscaping Works (2.11)</b>																		
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.11.1 External and internal finishes design</b>																		
05-4670	External and internal finishes design for Incineration Plant Building (2.11.15)	135	135	0%	0%	135		30-Dec-21	13-May-22	16-Mar-22	28-Jul-22	76						
05-4690	External and internal finishes design for Turbine Hall Building	135	135	0%	0%	135	Start On or	30-Dec-21*	13-May-22	16-Mar-22	28-Jul-22	76						
05-4700	External and internal finishes design for CCCW Building	135	135	0%	0%	135	Start On or	30-Dec-21*	13-May-22	12-Mar-22	24-Jul-22	72						
05-4710	External and internal finishes design for Chimney	135	135	0%	0%	135		15-Dec-21	28-Apr-22	16-Mar-22	28-Jul-22	91						
05-4720	External and internal finishes design for Reception Pavilion	135	135	0%	0%	135	Start On or	30-Dec-21*	13-May-22	16-Mar-22	28-Jul-22	76						
05-4730	External and internal finishes design for MT Plant Building (2.11.16)	137	137	0%	0%	137		30-Dec-21	15-May-22	14-Mar-22	28-Jul-22	74						
05-4740	External and internal finishes design for the Wastewater Treatment Plant (2.11.17)	90	90	0%	0%	90		30-Dec-21	29-Mar-22	30-Apr-22	28-Jul-22	121						
05-4750	External and internal finishes design for the Water Treatment Plant Building (2.11.08)	90	90	0%	0%	90		30-Dec-21	29-Mar-22	30-Apr-22	28-Jul-22	121						
05-4760	External and internal finishes design for the Administration Building (2.11.19)	137	137	0%	0%	137		30-Dec-21	15-May-22	14-Mar-22	28-Jul-22	74						
05-4770	External and internal finishes design for the IWMF Substation (2.11.20)	137	137	0%	0%	137		31-Oct-21	16-Mar-22	30-Nov-21	15-Apr-22	30						
05-5420	External and internal finishes design for Elevated Driveway	90	90	0%	0%	90		30-Dec-21	29-Mar-22	30-Apr-22	28-Jul-22	121						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.11.7 Landscape masterplan (2.11.21)</b>																		
05-4780-2(6C)	Reception Pavilion (2.11.07.06)	105	105	0%	0%	105		30-Dec-21	13-Apr-22	27-Apr-22	09-Aug-22	118						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.11.8 Architectural Detailing - Site Wide (2.11.30)</b>																		
05-4800	Architectural Detailing - Site Wide Concept (Combined with 05-6090(M42))	105	197	89.52%	5%	11		28-Apr-21 A	10-Nov-21	05-Apr-22	15-Apr-22	156						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.11.10 Facade Structural Design</b>																		
05-8000(M45)	Facade structural design for Chimney	90	242	0%	5%	90		01-Jun-21 A	28-Jan-22	03-Jan-22	11-Jun-22	134						
05-8010(M45)	Facade structural design for IWMF Sub-station	90	240	0%	5%	90		03-Jun-21 A	28-Jan-22	14-Mar-22	11-Jun-22	134						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.12 DDA Testing and Commissioning (2.12)</b>																		
05-4810-1(5a)	Factory Acceptance Testing plan (2.12.09.02-07) (8 Packages)	105	105	0%	0%	105		30-Dec-21	13-Apr-22	28-Aug-22	10-Dec-22	241						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.13 DDA Transportation Facilities for the Operation (2.13)</b>																		
05-4850	Design of vehicles for MSW and Ash and Residues delivery (2.13.05)	355	355	0%	0%	355		30-Dec-21	19-Dec-22	11-Jul-23	29-Jun-24	558						
05-4860	Design of marine vessels for the use of the Employer and visitors (2.13.06)	470	470	0%	0%	470		30-Dec-21	13-Apr-23	18-Sep-23	30-Dec-24	627						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.14 DDA Miscellaneous Works (2.14)</b>																		
05-4880	Design of visitors and environmental education facilities (2.14.06)	480	480	0%	0%	480		14-Jan-22	08-May-23	26-Mar-23	17-Jul-24	436						
<b>WBS: EP_SP_66_12-WP6B-M47.05.02.16 DDA Auxiliary Plant Systems (2.16)</b>																		
05-4940-1(5a)	IWMF Laboratory (2.16.08)	135	135	0%	0%	135		30-Dec-21	13-May-22	29-Jul-22	10-Dec-22	211						
05-4940-2(5a)	hoisting systems (2.16.10)	135	135	0%	0%	135		30-Dec-21	13-May-22	24-Jan-22	07-Jun-22	25						
<b>WBS: EP_SP_66_12-WP6B-M47.06 Procurement of Major Equipment</b>																		
<b>WBS: EP_SP_66_12-WP6B-M47.06.1 Off-site Fabrication of Incineration Modules</b>																		
06-1000-1(1)	Mechanical Equipment Material Submission and Approval	180	1270	66.67%	58%	60		09-Jul-18 A	29-Dec-21	27-Apr-22	25-Jun-22	178						
06-1000-2(1)	Pipe Material Submission and Approval	180	793	66.67%	58%	60		29-Oct-19 A	29-Dec-21	27-Apr-22	25-Jun-22	178						

### 3-Month Rolling Programme (October 2021)

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

Integrated Waste Management Facilities, Phase 1

Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021			2022
														Oct 47	Nov 48	Dec 49	Jan 50
06-1000-3(1)	Electrical and Instrumentation Material Submission and Approval	180	793	66.67%	58%	60		29-Oct-19 A	29-Dec-21	27-Apr-22	25-Jun-22	178					29-Dec-21, Electrical and Instrumentation
06-1010-1(1)	Mechanical Equipment Procurement (incl. FAT)	90	1370	33.33%	33.33%	60		29-Jun-18 A	29-Mar-22	26-Jul-22	23-Sep-22	178					
06-1010-2(1)	Pipe Material Procurement (incl. FAT)	90	883	33.33%	33.33%	60		29-Oct-19 A	29-Mar-22	26-Jul-22	23-Sep-22	178					
06-1010-3(1)	Electrical and Instrumentation Material Procurement (incl. FAT)	90	883	33.33%	33.33%	60		29-Oct-19 A	29-Mar-22	26-Jul-22	23-Sep-22	178					
<b>WBS: EP_SP_66_12-WP6B-M47.06.1.26 Fabrication of Module (TPU)</b>		<b>707</b>	<b>819</b>	<b>41.87%</b>		<b>411</b>		<b>18-Sep-20 A</b>	<b>15-Dec-22</b>	<b>07-Sep-21</b>	<b>03-Dec-22</b>	<b>-12</b>					
<b>WBS: EP_SP_66_12-WP6B-M47.06.1.26.1 Process Island Furnace Boiler line 1</b>		<b>550</b>	<b>743</b>	<b>39.09%</b>		<b>335</b>		<b>18-Sep-20 A</b>	<b>30-Sep-22</b>	<b>07-Sep-21</b>	<b>07-Sep-22</b>	<b>-23</b>					
06-2100(6)	Process Island Furnace Boiler Line 1 Structure Cutting, Painting & Fabrication	370	552	61.08%	61.08%	144		18-Sep-20 A	23-Mar-22	07-Sep-21	28-Jan-22	-54					
06-2020(6)	Process Island Furnace Boiler Line 1 Structure Erection	476	624	29.62%	29.62%	335		15-Jan-21 A	30-Sep-22	07-Sep-21	07-Aug-22	-54					
06-2030(6)	Process Island Furnace Boiler Line 1 Mechanical Fabrication	300	473	78.33%	78.33%	65		18-Sep-20 A	03-Jan-22	07-Sep-21	10-Nov-21	-54					Process Island Furnace Boiler
06-2030-1(6)	Process Island Furnace Boiler Line 1 Mechanical Erection	280	280	0%	0%	280		25-Nov-21	31-Aug-22	02-Oct-21	08-Jul-22	-54					25-Nov-21
06-2040(6)	Process Island Furnace Boiler Line 1 Piping Fabrication	350	500	32.29%	32.29%	237		10-Feb-21 A	24-Jun-22	07-Sep-21	01-May-22	-54					
06-2050(6)	Process Island Furnace Boiler Line 1 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Oct-21	28-Apr-22	18-Jan-22	16-Jul-22	79					31-Oct-21
06-2050-1(6)	Process Island Furnace Boiler Line 1 Electrical & Instrumentation installation	190	190	0%	0%	190		13-Dec-21	20-Jun-22	02-Mar-22	07-Sep-22	79					13-Dec-21
<b>WBS: EP_SP_66_12-WP6B-M47.06.1.26.2 Process Island Furnace Boiler line 2</b>		<b>553</b>	<b>750</b>	<b>38.16%</b>		<b>342</b>		<b>18-Sep-20 A</b>	<b>07-Oct-22</b>	<b>12-Sep-21</b>	<b>14-Sep-22</b>	<b>-23</b>					
06-2100(6)	Process Island Furnace Boiler Line 2 Structure Cutting, Painting & Fabrication	370	535	54.32%	54.32%	169		30-Oct-20 A	17-Apr-22	04-Mar-22	19-Aug-22	124					
06-2110(6)	Process Island Furnace Boiler Line 2 Structure Erection	437	512	21.74%	21.74%	342		14-May-21 A	07-Oct-22	12-Sep-21	19-Aug-22	-49					
06-2120(6)	Process Island Furnace Boiler Line 2 Mechanical Fabrication	270	481	72.96%	72.96%	73		18-Sep-20 A	11-Jan-22	12-Sep-21	23-Nov-21	-49					Process Island Furnace
06-2120-1(6)	Process Island Furnace Boiler Line 2 Mechanical Erection	251	251	0%	0%	251		27-Dec-21	03-Sep-22	08-Nov-21	16-Jul-22	-49					27-Dec-21
06-2130(6)	Process Island Furnace Boiler Line 2 Piping Fabrication	350	351	67.14%	67.14%	115		09-Mar-21 A	22-Feb-22	12-Sep-21	04-Jan-22	-49					
06-2140(6)	Process Island Furnace Boiler Line 2 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Oct-21	28-Apr-22	12-Jan-22	10-Jul-22	73					31-Oct-21
06-2140-1(6)	Process Island Furnace Boiler Line 2 Electrical & Instrumentation installation	180	180	0%	0%	180		05-Jan-22	03-Jul-22	19-Mar-22	14-Sep-22	73					05-Jan-22
<b>WBS: EP_SP_66_12-WP6B-M47.06.1.26.3 Process Island Furnace Boiler line 3</b>		<b>613</b>	<b>772</b>	<b>40.62%</b>		<b>364</b>		<b>18-Sep-20 A</b>	<b>29-Oct-22</b>	<b>06-Oct-21</b>	<b>04-Oct-22</b>	<b>-25</b>					
06-2190(6)	Process Island Furnace Boiler Line 3 Structure Cutting, Painting & Fabrication	264	510	35.98%	35.98%	169		24-Nov-20 A	17-Apr-22	19-Apr-22	04-Oct-22	170					
06-2200-1(6)	Process Island Furnace Boiler Line 3 Structure Erection	429	547	15.15%	15.15%	364		01-May-21 A	29-Oct-22	06-Oct-21	04-Oct-22	-25					
06-2210-1(6)	Process Island Furnace Boiler Line 3 Mechanical Fabrication	270	511	61.85%	61.85%	103		18-Sep-20 A	10-Feb-22	06-Oct-21	16-Jan-22	-25					
06-2215-1(6)	Process Island Furnace Boiler Line 3 Mechanical Erection	263	263	0%	0%	263		10-Jan-22	29-Sep-22	16-Dec-21	04-Sep-22	-25					10-Jan-22
06-2220-1(6)	Process Island Furnace Boiler Line 3 Piping Fabrication	350	442	41.14%	41.14%	206		09-Mar-21 A	24-May-22	06-Oct-21	29-Apr-22	-25					
06-2230-1(6)	Process Island Furnace Boiler Line 3 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Oct-21	28-Apr-22	05-Jan-22	03-Jul-22	66					31-Oct-21
06-2235-1(6)	Process Island Furnace Boiler Line 3 Electrical & Instrumentation installation	190	190	0%	0%	190		18-Jan-22	26-Jul-22	25-Mar-22	30-Sep-22	66					18-Jan-22
<b>WBS: EP_SP_66_12-WP6B-M47.06.1.26.4 Process Island Furnace Boiler line 4</b>		<b>638</b>	<b>788</b>	<b>40.44%</b>		<b>380</b>		<b>18-Sep-20 A</b>	<b>14-Nov-22</b>	<b>04-Oct-21</b>	<b>19-Nov-22</b>	<b>5</b>					
06-2280(6)	Process Island Furnace Boiler Line 4 Structure Cutting, Painting & Fabrication	370	507	50.81%	50.81%	182		10-Dec-20 A	30-Apr-22	22-Oct-21	21-Apr-22	-9					
06-2290-1(6)	Process Island Furnace Boiler Line 4 Structure Erection	485	572	21.65%	21.65%	380		22-Apr-21 A	14-Nov-22	04-Oct-21	18-Oct-22	-27					
06-2300-1(6)	Process Island Furnace Boiler Line 4 Mechanical Fabrication	270	531	54.44%	54.44%	123		18-Sep-20 A	02-Mar-22	04-Oct-21	03-Feb-22	-27					
06-2305-1(6)	Process Island Furnace Boiler Line 4 Mechanical Erection	265	265	0%	0%	265		24-Jan-22	15-Oct-22	28-Dec-21	18-Sep-22	-27					24-Jan-22
06-2310-1(6)	Process Island Furnace Boiler Line 4 Piping Fabrication	350	456	37.14%	37.14%	220		09-Mar-21 A	07-Jun-22	04-Oct-21	11-May-22	-27					
06-2320-1(6)	Process Island Furnace Boiler Line 4 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Oct-21	28-Apr-22	14-Feb-22	12-Aug-22	106					31-Oct-21
06-2325-1(6)	Process Island Furnace Boiler Line 4 Electrical & Instrumentation installation	190	190	0%	0%	190		28-Jan-22	05-Aug-22	14-May-22	19-Nov-22	106					28-Jan-22
<b>WBS: EP_SP_66_12-WP6B-M47.06.1.26.5 Process Island Furnace Boiler line 5</b>		<b>656</b>	<b>819</b>	<b>37.35%</b>		<b>411</b>		<b>18-Sep-20 A</b>	<b>15-Dec-22</b>	<b>19-Oct-21</b>	<b>03-Dec-22</b>	<b>-12</b>					
06-2370(6)	Process Island Furnace Boiler Line 5 Structure Cutting, Painting & Fabrication	370	524	38.38%	38.38%	228		08-Jan-21 A	15-Jun-22	19-Oct-21	03-Jun-22	-12					
06-2380(6)	Process Island Furnace Boiler Line 5 Structure Erection	392	392	0%	0%	392		19-Nov-21	15-Dec-22	07-Nov-21	03-Dec-22	-12					19-Nov-21
06-2390(6)	Process Island Furnace Boiler Line 5 Mechanical Fabrication	270	530	54.81%	54.81%	122		18-Sep-20 A	01-Mar-22	19-Oct-21	17-Feb-22	-12					
06-2400-1(6)	Process Island Furnace Boiler Line 5 Piping Fabrication	350	442	37.14%	37.14%	220		23-Mar-21 A	07-Jun-22	19-Oct-21	26-May-22	-12					
06-2410-1(6)	Process Island Furnace Boiler Line 5 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Oct-21	28-Apr-22	01-Mar-22	27-Aug-22	121					31-Oct-21
<b>WBS: EP_SP_66_12-WP6B-M47.06.1.26.6 Process Island Furnace Boiler line 6</b>		<b>707</b>	<b>814</b>	<b>42.57%</b>		<b>406</b>		<b>18-Sep-20 A</b>	<b>10-Dec-22</b>	<b>24-Oct-21</b>	<b>03-Dec-22</b>	<b>-7</b>					
06-2460(6)	Process Island Furnace Boiler Line 6 Structure Cutting, Painting & Fabrication	370	367	73.78%	73.78%	97		03-Feb-21 A	04-Feb-22	29-Aug-22	03-Dec-22	302					
06-2470(6)	Process Island Furnace Boiler Line 6 Structure Erection	462	426	12.12%	12.12%	406		11-Oct-21 A	10-Dec-22	24-Oct-21	03-Dec-22	-7					
06-2480(6)	Process Island Furnace Boiler Line 6 Mechanical Fabrication	270	428	92.59%	92.59%	20		18-Sep-20 A	19-Nov-21	24-Oct-21	12-Nov-21	-7					Process Island Furnace Boiler Line 6 Mechanical Fabrication, 19-Nov-21, 19-Nov-22
06-2480-1(6)	Process Island Furnace Boiler Line 6 Mechanical Erection	320	596	61.88%	61.88%	122		18-Sep-20 A	06-May-22	29-Dec-21	29-Apr-22	-7					
06-2490(6)	Process Island Furnace Boiler Line 6 Piping Fabrication	350	459	32.29%	32.29%	237		23-Mar-21 A	24-Jun-22	24-Oct-21	17-Jun-22	-7					
06-2500(6)	Process Island Furnace Boiler Line 6 Electrical & Instrumentation Fabrication	200	200	0%	0%	200		31-Oct-21	18-May-22	05-Mar-22	20-Sep-22	125					31-Oct-21
<b>WBS: EP_SP_66_12-WP6B-M47.06.1.7 Fabrication of Module (FGC)</b>		<b>677</b>	<b>756</b>	<b>36.19%</b>		<b>432</b>		<b>11-Dec-20 A</b>	<b>05-Jan-23</b>	<b>09-Sep-21</b>	<b>25-Feb-23</b>	<b>51</b>					
<b>WBS: EP_SP_66_12-WP6B-M47.06.1.7.1 Process Island FGC line 1</b>		<b>649</b>	<b>681</b>	<b>43.45%</b>		<b>367</b>		<b>21-Dec-20 A</b>	<b>01-Nov-22</b>	<b>09-Sep-21</b>	<b>07-Oct-22</b>	<b>-25</b>					
06-2000(6)	Process Island FGC Line 1 Structure Cutting, Painting & Fabrication	274	480	16.06%	16.06%	230		23-Feb-21 A	17-Jun-22	24-Jan-22	10-Sep-22	85					
06-2550(6)	Process Island FGC Line 1 Structure Erection	474	580	22.57%	22.57%	367		01-Apr-21 A	01-Nov-22	09-Sep-21	10-Sep-22	-52					
06-2560(6)	Process Island FGC Line 1 Mechanical Fabrication	270	331	93.7%	93.7%	17		21-Dec-20 A	16-Nov-21	09-Sep-21	25-Sep-21	-52					Process Island FGC Line 1 Mechanical Fabrication, 16-Nov-21, 16-Nov-21, Process Isl
06-2560-1(6)	Process Island FGC Line 1 Mechanical Erection	315	315	0%	0%	315		19-Nov-21	29-Sep-22	28-Sep-21	08-Aug-22	-52					19-Nov-21
06-2570(6)	Process Island FGC Line 1 Piping Fabrication	350	380	35.71%	35.71%	225		29-May-21 A	12-Jun-22	09-Sep-21	21-Apr-22	-52					
06-2580(6)	Process Island FGC Line 1 Electrical & Instrumentation Fabrication	180	180	0%	0%	180		31-Oct-21	28-Apr-22	20-Jan-22	18-Jul-22	81					31-Oct-21
06-2580-1(6)	Process Island FGC Line 1 Electrical & Instrumentation installation	180	180	0%	0%	180		20-Jan-22	18-Jul-22	11-Apr-22	07-Oct-22	81					20-Jan-22
<b>WBS: EP_SP_66_12-WP6B-M47.06.1.7.2 Process Island FGC line 2</b>		<b>594</b>	<b>649</b>	<b>41.08%</b>		<b>350</b>		<b>05-Jan-21 A</b>	<b>15-Oct-22</b>	<b>01-Oct-21</b>	<b>22-Oct-22</b>	<b>7</b>					
06-2630(6)	Process Island FGC Line 2 Structure Cutting, Painting & Fabrication	345	460	41.16%	41.16%	203		16-Feb-21 A	21-May-22	25-Feb-22	15-Sep-22	117					
06-2640(6)	Process Island FGC Line 2 Structure Erection	441	563	20.63%	20.63%	350		01-Apr-21 A	15-Oct-22	01-Oct-21	15-Sep-22	-30					
06-2650(6)	Process Island FGC Line 2 Mechanical Fabrication	270	420	55.19%	55.19%	121		05-Jan-21 A	28-Feb-22	01-Oct-21	29-Jan-22	-30					
06-2650-1(6)	Process Island FGC Line 2 Mechanical Erection	230	230	0%	0%	230		28-Jan-22	14-Sep-22	29-Dec-21	15-Aug-22	-30					28-Jan-22
06-2660(6)	Process Island FGC Line 2 Piping Fabrication	350	442														



Integrated Waste Management Facilities, Phase 1

Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021				2022
														Oct	Nov	Dec	Jan	
WBS: EP_SP_66_12-WP6B-M47.06.12	Procurement for Ventilation and Odor Treatment System	300	300	0%	0%	300		29-Jan-22	24-Nov-22	12-Mar-22	05-Jan-23	42						
06-1820(6C)	Material Submission & Equipment Procurement (for IWMF Substation)	300	300	0%	0%	300		29-Jan-22	24-Nov-22	12-Mar-22	05-Jan-23	42					29-Jan-22	
WBS: EP_SP_66_12-WP6B-M47.06.13	Procurement for Fire Services System	365	365	0%	0%	365		14-Jan-22	13-Jan-23	26-Jan-22	25-Jan-23	12						
WBS: EP_SP_66_12-WP6B-M47.06.13.1	IWMF Substation	365	365	0%	0%	365		14-Jan-22	13-Jan-23	26-Jan-22	25-Jan-23	12						
06-1810(6)	Material Submission & Equipment Procurement (For IWMF Substation)	365	365	0%	0%	365		14-Jan-22	13-Jan-23	26-Jan-22	25-Jan-23	12					14-Jan-22	
WBS: EP_SP_66_12-WP6B-M47.06.18	Procurement for Cranage Equipment	60	60	0%	0%	60		30-Dec-21	27-Feb-22	21-Apr-22	19-Jun-22	112						
06-1710	Material Submission and Approval	60	60	0%	0%	60		30-Dec-21	27-Feb-22	21-Apr-22	19-Jun-22	112					30-Dec-21	
WBS: EP_SP_66_12-WP6B-M47.06.22	Procurement for Air Compressor Equipment	45	45	0%	0%	45		30-Dec-21	12-Feb-22	24-Apr-22	07-Jun-22	115						
06-1870(1)	Material Submission and Approval	45	45	0%	0%	45		30-Dec-21	12-Feb-22	24-Apr-22	07-Jun-22	115					30-Dec-21	
WBS: EP_SP_66_12-WP6B-M47.06.24	Procurement for Pipes and Insulation for on site installations	180	180	0%	0%	180		11-Nov-21	09-May-22	11-Nov-21	09-May-22	0						
06-2250(1)	Material Submission and Approval	180	180	0%	0%	180		11-Nov-21	09-May-22	11-Nov-21	09-May-22	0					11-Nov-21	
WBS: EP_SP_66_12-WP6B-M47.08	Maritime Works	960	992	73%	73%	259		29-Oct-19 A	17-Jul-22	24-Oct-21	19-Feb-24	583						
WBS: EP_SP_66_12-WP6B-M47.08.1	Marine Construction	960	992	73%	73%	259		29-Oct-19 A	17-Jul-22	24-Oct-21	19-Feb-24	583						
WBS: EP_SP_66_12-WP6B-M47.08.1.1	Phase I - Construction of Perimeter Seawalls	900	953	75.56%	75.56%	220		29-Oct-19 A	07-Jun-22	02-Nov-21	07-Dec-22	183						
WBS: EP_SP_66_12-WP6B-M47.08.1.1.1	Seawall and Berth at DCM Area	900	953	75.56%	75.56%	220		29-Oct-19 A	07-Jun-22	02-Nov-21	07-Dec-22	183						
WBS: EP_SP_66_12-WP6B-M47.08.1.1.1.5	Seawall Structural Works	900	953	75.56%	75.56%	220		29-Oct-19 A	07-Jun-22	02-Nov-21	07-Dec-22	183						
08-1115(3)	Caisson infill, Solid ballast, toe protection, precast concrete blocks ..etc Laying	250	761	88.8%	88.8%	28		29-Oct-19 A	27-Nov-21	13-Apr-22	10-May-22	164					27-Nov-21, Caisson infill, Solid ballast, toe protection, precast concrete blocks	
WBS: EP_SP_66_12-WP6B-M47.08.1.1.5.1	Remain Works	230	264	4.35%	4.35%	220		17-Sep-21 A	07-Jun-22	02-Nov-21	07-Dec-22	183						
08-1105-08(6)	Prefabrication of Precast Beam and Slab for Seawall A	140	141	27.86%	27.86%	101		21-Sep-21 A	08-Feb-22	01-Dec-21	11-Mar-22	31						
08-1105-09(6)	Prefabrication of Precast Beam & Slab for Seawall B	140	141	27.86%	27.86%	101		21-Sep-21 A	08-Feb-22	16-Nov-21	24-Feb-22	16						
08-1120	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawa	220	264	0%	0%	220		17-Sep-21 A	07-Jun-22	02-Nov-21	09-Jun-22	2						
08-1120-1(6)	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawa	220	258	0%	0%	220		23-Sep-21 A	07-Jun-22	02-May-22	07-Dec-22	183						
WBS: EP_SP_66_12-WP6B-M47.08.1.2	Phase II - Reclamation, Breakwater and Berth Construction	622	758	58.31%	58.31%	259		19-Jun-20 A	17-Jul-22	24-Oct-21	19-Feb-24	583						
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1	Reclamation	351	435	26.19%	26.19%	259		08-May-21 A	17-Jul-22	24-Oct-21	19-Feb-24	583						
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1.6	Reclamation Works	351	435	26.19%	26.19%	259		08-May-21 A	17-Jul-22	24-Oct-21	21-Sep-22	67						
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1.6.1	Reclamation Fill	142	205	64.79%	64.79%	50		29-May-21 A	19-Dec-21	24-Oct-21	02-Mar-22	73						
08-3030(6)	Fill up +2.5 to +7.5mPD at East Edge Area (91,000m3 @ 4000m3/d)	32	163	74%	74%	8		29-May-21 A	08-Nov-21	24-Oct-21	01-Nov-21	-6					Fill up +2.5 to +7.5mPD at East Edge Area (91,000m3 @ 4000m3/d), 08-Nov-21, 08-Nov-21, Fill up +2.5 to +7.5mPD at East Edge Area (91,000m3 @ 4000m3/d)	
08-3040(6)	Fill up +2.5 to +7.5mPD at West Edge Area (91,000m3 @ 4000m3/d)	32	118	25%	25%	24		29-Jul-21 A	23-Nov-21	12-Dec-21	04-Jan-22	42					23-Nov-21, Fill up +2.5 to +7.5mPD at West Edge Area (91,000m3 @ 4000m3/d)	
08-3070(6)	Fill up +2.5 to +7.5mPD at South Edge Area (102,000m3 @ 4000m3/d)	26	26	0%	0%	26		24-Nov-21	19-Dec-21	05-Feb-22	02-Mar-22	73					24-Nov-21, 19-Dec-21, Fill up +2.5 to +7.5mPD at South Edge Area (102,000m3 @ 4000m3/d)	
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1.6.3	Surcharge Filling	104	255	23.82%	23.82%	79		08-May-21 A	18-Jan-22	25-Oct-21	25-Mar-22	67						
08-3030(6)	Fill up +6 to +12mPD at ACC Building & Substation (Stage 4) (51,000m3 @ 2500m3/d)	20	183	65%	65%	7		08-May-21 A	06-Nov-21	25-Oct-21	31-Oct-21	-6					Fill up +6 to +12mPD at ACC Building & Substation (Stage 4) (51,000m3 @ 2500m3/d), 06-Nov-21, 06-Nov-21, Fill up +6 to +12mPD at ACC Building & Substation (Stage 4) (51,000m3 @ 2500m3/d)	
08-3050(6)	Fill up +7.5 to +11.13mPD at East Edge Area (Stage 5) (66,000m3 @ 2500m3/d)	26	26	0%	0%	26		08-Nov-21	04-Dec-21	02-Nov-21	27-Nov-21	-6					08-Nov-21, 04-Dec-21, Fill up +7.5 to +11.13mPD at East Edge Area (Stage 5) (66,000m3 @ 2500m3/d)	
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		04-Dec-21	26-Dec-21	05-Jan-22	26-Jan-22	32					04-Dec-21, 26-Dec-21, Fill up +7.5 to +11.12mPD at West Edge Area (Stage 6) (55,000m3 @ 2500m3/d)	
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		26-Dec-21	18-Jan-22	03-Mar-22	25-Mar-22	67					26-Dec-21, 18-Jan-22, Fill up +7.5 to +11.13mPD at South Edge Area (Stage 7) (58,000m3 @ 2500m3/d)	
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1.6.4	Surcharge Period	351	338	26.19%	26.19%	259		13-Aug-21 A	17-Jul-22	01-Nov-21	21-Sep-22	67						
08-3100(6)	Loading @ +11&12mPD at Process Building (West) (Stage 2a)	180	87	95.56%	95.56%	8		13-Aug-21 A	07-Nov-21	06-Nov-21	13-Nov-21	6					07-Nov-21, Loading @ +11&12mPD at Process Building (West) (Stage 2a), Loading @ +11&12mPD at Process Building (West) (Stage 2a)	
08-3110(6)	Loading @ +12mPD at TH & CCOW Building (Stage 3)	180	180	17.78%	17.78%	148		29-Sep-21 A	27-Mar-22	12-Nov-21	08-Apr-22	12						
08-3110-1(6)	Loading @ +12mPD at ACC Building & Substation (Stage 4)	180	180	0%	0%	180		07-Nov-21	05-May-22	01-Nov-21	29-Apr-22	-6					07-Nov-21, 05-May-22, Loading @ +12mPD at ACC Building & Substation (Stage 4)	
08-3120(6)	Loading @ +11&13mPD at East Edge Area (Stage 5)	180	180	0%	0%	180		04-Dec-21	02-Jun-22	28-Nov-21	26-May-22	-6					04-Dec-21, 02-Jun-22, Loading @ +11&13mPD at East Edge Area (Stage 5)	
08-3120-1(6)	Loading @ +11&12mPD at West Edge Area (Stage 6)	180	180	0%	0%	180		26-Dec-21	24-Jun-22	27-Jan-22	25-Jul-22	32					26-Dec-21, 24-Jun-22, Loading @ +11&12mPD at West Edge Area (Stage 6)	
08-3130(6)	Loading @ +11&13mPD at South Edge Area (Stage 7)	180	180	0%	0%	180		18-Jan-22	17-Jul-22	26-Mar-22	21-Sep-22	67					18-Jan-22, 17-Jul-22, Loading @ +11&13mPD at South Edge Area (Stage 7)	
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1.6.7	Surcharge Removal	14	47	0%	0%	22		06-Oct-21 A	21-Nov-21	14-Nov-21	16-Apr-22	146						
08-3180(6)	Remove Surcharge at Process Building (West) (Stage 2a) (53,000m3 @ 4000m3/d)	14	14	0%	0%	14		08-Nov-21	21-Nov-21	14-Nov-21	27-Nov-21	6					08-Nov-21, 21-Nov-21, Remove Surcharge at Process Building (West) (Stage 2a) (53,000m3 @ 4000m3/d)	
08-3180-1(M45)	Remove Surcharge at Process Building (West) (Stage 2b) (26,500m3 @ 4000m3/d)	7	32	0%	0%	7		06-Oct-21 A	06-Nov-21	10-Apr-22	16-Apr-22	161					06-Nov-21, Remove Surcharge at Process Building (West) (Stage 2b) (26,500m3 @ 4000m3/d), Remove Surcharge at Process Building (West) (Stage 2b) (26,500m3 @ 4000m3/d)	
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1.1	Instrumentation	218	215	63.65%	63.65%	79		17-Jun-21 A	18-Jan-22	31-Oct-21	19-Feb-24	763						
08-1370 (M23)	Extension of instruments to finished levels	42	159	0%	0%	42		14-Jul-21 A	20-Dec-21	09-Jan-22	19-Feb-24	792					20-Dec-21, Extension of instruments to finished levels	
08-1375 (M23)	Extension of instruments to surcharge top levels	65	174	0%	0%	65		28-Jul-21 A	18-Jan-22	19-Jun-22	22-Aug-22	217					18-Jan-22, Extension of instruments to surcharge top levels	
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1.1.1	Instruments above +2.5mPD	158	156	87.06%	87.06%	20		17-Jun-21 A	20-Nov-21	31-Oct-21	02-Mar-22	103						
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1.1.1.7	IWMF Substation (East)	88	96	97.73%	97.73%	2		29-Jul-21 A	01-Nov-21	31-Oct-21	01-Nov-21	0						
08-2060 (M42)	Drilling and installation of Instrumentation (11hrs.)	88	96	97.73%	97.73%	2		29-Jul-21 A	01-Nov-21	31-Oct-21	01-Nov-21	0					Drilling and installation of Instrumentation (11hrs.), 01-Nov-21, 01-Nov-21, Drilling and installation of Instrumentation (11hrs.)	
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1.1.8	IWMF Substation (South)	64	156	68%	68%	20		17-Jun-21 A	20-Nov-21	10-Feb-22	02-Mar-22	103						
08-2070 (M42)	Drilling and installation of Instrumentation (8hrs.)	64	156	68%	68%	20		17-Jun-21 A	20-Nov-21	10-Feb-22	02-Mar-22	103					20-Nov-21, Drilling and installation of Instrumentation (8hrs.), Drilling and installation of Instrumentation (8hrs.)	
WBS: EP_SP_66_12-WP6B-M47.08.1.2.1.2	PVD Remedial Works	210	210	0%	0%	210		31-Oct-21	28-May-22	04-Jan-22	01-Aug-22	65						
08-1390 (M34)15	Install Sand Drains at Zone D (approx. 62 nr @ 4nr/day/2 set of equipment)	16	16	0%	0%	16		31-Oct-21	15-Nov-21	18-Jan-22	02-Feb-22	79					31-Oct-21, 15-Nov-21, Install Sand Drains at Zone D (approx. 62 nr @ 4nr/day/2 set of equipment)	
08-1390 (M34)20	GI for ground condition varification at other Zone for PVD (10 nr approx @0.5 nr/day) Inc F	28	28	0%	0%	28		31-Oct-21	27-Nov-21	06-Jan-22	02-Feb-22	67					31-Oct-21, 27-Nov-21, GI for ground condition varification at other Zone for PVD (10 nr approx @0.5 nr/day) Inc F	
08-1390 (M34)30	Lay Surcharge at remedial works area	30	30	0%	0%	30		31-Oct-21	29-Nov-21	04-Jan-22	02-Feb-22	65					31-Oct-21, 29-Nov-21, Lay Surcharge at remedial works area	
08-1390 (M34)40	Surcharge Period at remedial area	180	180	0%	0%	180		30-Nov-21	28-May-22	03-Feb-22	01-Aug-22	65					30-Nov-21, 28-May-22, Surcharge Period at remedial area	
WBS: EP_SP_66_12-WP6B-M47.08.1.2.2	Breakwater	379	592	75.5%	75.5%	93		19-Jun-20 A	31-Jan-22	31-Mar-22	22-Sep-22	234						
08-1280	Rubble Mound Laying (100,000m3 approx, @550m3/d)	188	450	84.04%	84.04%	30		06-Sep-20 A	29-Nov-21	26-Apr-22	25-May-22	177					29-Nov-21, Rubble Mound Laying (100,000m3 approx, @550m3/d), Rubble Mound Laying (100,000m3 approx, @550m3/d)	
08-1285(1)	Prefabrication for Caisson	180	555	69%	69%	56		19-Jun-20 A	25-Dec-21	31-Mar-22	25-May-22	151						

Activity ID	Activity Name	Planned Duration	At Completion Duration	Duration % Complete	Activity % Complete	Remaining Duration	Primary Constraint	Current Start	Current Finish	Late Start	Late Finish	Total Float	M47 Remarks	2021				2022
														Oct	Nov	Dec	Jan	
09-1030	Preliminary Pile Load Test	14	14	0%	0%	14		10-Nov-21	23-Nov-21	03-Apr-22	16-Apr-22	144						
WBS: EP_SP_66_12-WP6B-M47.09.2 Preliminary Socket H Pile																		
09-1040	Preliminary Pile Installation	7	48	28.57%	28.57%	5	Start On or	18-Sep-21 A	04-Nov-21	09-Nov-21	27-Nov-21	3						
09-1050	Preliminary Pile Load Test	14	14	0%	0%	14		11-Nov-21	24-Nov-21	14-Nov-21	27-Nov-21	3						
WBS: EP_SP_66_12-WP6B-M47.09.2 Process Building - Waste Bunker & Tipping Hall Bld Foundation																		
WBS: EP_SP_66_12-WP6B-M47.09.2.4 Piling Works (Driven H-pile)																		
WBS: EP_SP_66_12-WP6B-M47.09.2.4.1 Piling Stage 1 (Module 1)																		
09-1120	Driven H Pile Installations (290 nrs, 4 Rigs @ 2nr/d)	37	80	0%	0%	37		18-Sep-21 A	06-Dec-21	18-Mar-22	23-Apr-22	138						
09-1130	Pile Load Test	8	8	0%	0%	8		07-Dec-21	14-Dec-21	08-Jun-22	15-Jun-22	183						
WBS: EP_SP_66_12-WP6B-M47.09.2.4.3 Piling Stage 3 (Module 3)																		
09-2200(6)	Predrilling for Driven Pile founding determination (13nr ~60m, @15m/d, 4 Rigs)	13	13	0%	0%	13		22-Nov-21	04-Dec-21	11-Apr-22	23-Apr-22	140						
09-2210	Driven H Pile Installations (244 nrs, 4 Rigs @ 2nr/d)	31	31	0%	0%	31		29-Jan-22	28-Feb-22	24-Apr-22	24-May-22	85						
WBS: EP_SP_66_12-WP6B-M47.09.2.4.3.1 WWTP																		
09-1150(6)	Predrilling for Driven Pile founding determination (54nr ~60m, @15m/d, 8 Rigs)	27	27	0%	0%	27		05-Dec-21	31-Dec-21	28-Apr-22	24-May-22	144						
WBS: EP_SP_66_12-WP6B-M47.09.2.1 Piling Works (Socket H-pile)																		
WBS: EP_SP_66_12-WP6B-M47.09.2.1.2 Piling Stage 1 (Module 1)																		
09-2180	Predrilling for Prebored H-Pile founding determination (13nr ~60m, @15m/d, 4 Rigs)	13	103	86%	86%	2		22-Jul-21 A	07-Jan-22	11-Nov-21	15-Jun-22	159						
09-2190	Prebored H Pile Installations (93 nrs, 6 Rigs @5d/no.)	77	104	20.78%	20.78%	61		18-Sep-21 A	30-Dec-21	11-Nov-21	10-Jan-22	11						
09-2200	Pile Load Test	8	8	0%	0%	8		31-Dec-21	07-Jan-22	08-Jun-22	15-Jun-22	159						
WBS: EP_SP_66_12-WP6B-M47.09.2.1.1 Piling Stage 2 (Module 2)																		
09-2230	Predrilling for Prebored H-Pile founding determination (34nr ~60m, @15m/d, 4 Rigs)	34	36	50%	50%	17		12-Oct-21 A	19-May-22	11-Nov-21	22-May-22	3						
09-2240	Prebored H Pile Installations (281 nrs, 8 Rigs @5d/no.)	176	176	0%	0%	176		25-Nov-21	19-May-22	28-Nov-21	22-May-22	3						
WBS: EP_SP_66_12-WP6B-M47.09.2.1.3 Piling Stage 3 (Module 3)																		
WBS: EP_SP_66_12-WP6B-M47.09.2.1.3.1 WWTP																		
09-2260	Predrilling for Prebored H-Pile founding determination (11nr ~60m, @15m/d, 4 Rigs)	11	11	0%	0%	11		03-Jan-22	13-Jan-22	12-May-22	22-May-22	129						
WBS: EP_SP_66_12-WP6B-M47.09.3 Process Building - Boiler & Flue Gas Treatment Bld Foundation																		
WBS: EP_SP_66_12-WP6B-M47.09.3.1 Boiler Building & Flue Gas Foundation																		
WBS: EP_SP_66_12-WP6B-M47.09.3.1.1 Piling Works (Socket H-pile)																		
WBS: EP_SP_66_12-WP6B-M47.09.3.1.1.2 Piling Stage 1 (Module 1)																		
09-2580	Prebored H Pile Installations (77 nrs, 4 Rigs @5d/no.)	96	96	0%	0%	96		31-Dec-21	05-Apr-22	11-Jan-22	16-Apr-22	11						
09-2600	Predrilling for Prebored H-Pile founding determination (10nr ~60m, @15m/d, 4 Rigs)	10	126	0%	0%	10		07-Jul-21 A	09-Nov-21	01-Jan-22	10-Jan-22	62						
WBS: EP_SP_66_12-WP6B-M47.09.3.1.1.1 Piling Stage 2 (Module 2)																		
09-2630	Predrilling for Prebored H-Pile founding determination (12nr ~60m, @15m/d, 4 Rigs)	12	108	0%	0%	12		27-Jul-21 A	11-Nov-21	05-Apr-22	16-Apr-22	156						
WBS: EP_SP_66_12-WP6B-M47.09.3.1.1.3 Piling Stage 3 (Module 3)																		
09-2660	Predrilling for Prebored H-Pile founding determination (12nr ~60m, @15m/d, 4 Rigs)	12	105	0%	0%	12		30-Jul-21 A	11-Nov-21	30-Mar-22	10-Apr-22	150						
WBS: EP_SP_66_12-WP6B-M47.09.3.1.2 Piling Works (Driven H-pile)																		
WBS: EP_SP_66_12-WP6B-M47.09.3.1.2.1 Piling Stage 1 (Module 1)																		
09-1310(6)	Predrilling for Driven Pile founding determination (71nr ~60m, @15m/d, 8 Rigs)	71	187	0%	0%	71		07-Jul-21 A	05-Mar-22	31-Dec-21	16-Apr-22	42						
09-1320	Driven H Pile Installations (286 nrs, 4 Rigs @ 2nr/d)	36	36	0%	0%	36		29-Jan-22	05-Mar-22	12-Mar-22	16-Apr-22	42						
WBS: EP_SP_66_12-WP6B-M47.09.3.1.2.2 Piling Stage 2 (Module 2)																		
09-1340(6)	Predrilling for Driven Pile founding determination (64nr ~60m, @15m/d, 4 Rigs)	64	160	0%	0%	64		27-Jul-21 A	02-Jan-22	09-Mar-22	11-May-22	129						
WBS: EP_SP_66_12-WP6B-M47.09.3.1.2.3 Piling Stage 3 (Module 3)																		
09-1370(6)	Predrilling for Driven Pile founding determination (63nr ~60m, @15m/d, 8 Rigs)	42	135	0%	0%	42		30-Jul-21 A	11-Dec-21	23-Mar-22	03-May-22	143						
WBS: EP_SP_66_12-WP6B-M47.15 Works By CLP																		
WBS: EP_SP_66_12-WP6B-M47.15.1 Installation of Transmission System																		
15-0800	450 days Prior to Commencement of System Commissioning Test	0	0	0%	0%	0		03-Mar-23	22-Apr-24	06-Apr-23	02-Jul-24	71						
15-0900	Completion of Civil Provision for Transmission	0	0	0%	0%	0		19-May-23		07-Apr-23		-42						
15-1000	Construction of Transmission System	90	90	0%	0%	90	Start On or	01-Nov-23*	29-Jan-24	05-Mar-24	02-Jun-24	125						
15-1002	Cable Testing	30	30	0%	0%	30		24-Mar-24	22-Apr-24	03-Jun-24	02-Jul-24	71						
WBS: EP_SP_66_12-WP6B-M47.15.2 Remaining Installation Works by CLP																		
15-1005	Handover of CLP Equipment Room for Telecom / Digital's / Security / Metering equipment	60	60	0%	0%	60	As Late As	23-Feb-24	22-Apr-24	04-May-24	02-Jul-24	71						
15-1010	132kV cable termination at IWMF 132kV switchgear (2 panels) and associated HVAC cir	30	30	0%	0%	30		23-Apr-24	22-May-24	03-Jul-24	01-Aug-24	71						
15-1010-1(6)	Overall testing and commissioning of 2 x CHS-IWMF circuits	60	60	0%	0%	60		23-May-24	21-Jul-24	02-Aug-24	30-Sep-24	71						
WBS: EP_SP_66_12-WP6B-M47.15.3 Metering & Energization																		
15-1020	Incoming Power System Final Inspection and Metering works	30	30	0%	0%	30		22-Jul-24	20-Aug-24	01-Oct-24	30-Oct-24	71						
15-1030	Energization of Incoming Power Supply Main System	0	0	0%	0%	0	Start On or	01-Oct-24*		30-Oct-24		30						
15-1040	Energization of Incoming Power Supply Sub System	0	0	0%	0%	0	Start On or	01-Oct-24*		31-Dec-24		91						
15-1050	Export Power System Final Inspection and Metering works	30	30	0%	0%	30		22-Jul-24	20-Aug-24	01-Oct-24	30-Oct-24	71						
15-1060	Connection to Grid	0	0	0%	0%	0			20-Aug-24		16-Nov-24	88						
WBS: EP_SP_66_12-WP6B-M47.16 Testing & Commissioning																		
WBS: EP_SP_66_12-WP6B-M47.16.22 SAT & System Commissioning Tests																		
WBS: EP_SP_66_12-WP6B-M47.16.22.20 Civil and Builder Works Completion Inspections																		
16-1900-1(6)	Ground resistance test	30	30	0%	0%	30		31-Oct-21	29-Nov-21	27-Dec-21	25-Jan-22	57						
16-1900-2(6)	Installation of Ground Earthing Mesh	336	336	0%	0%	336		30-Nov-21	31-Oct-22	26-Jan-22	27-Dec-22	57						

3-Month Rolling Programme (October 2021)

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