

Appendix A Master Programme

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021		2022		
											Nov 46	Dec 49	Jan 50	Feb 51	
EP_SP_66_12-WP6A-M48 Programme for Design and Construction Works WP6A-M48															
EP_SP_66_12-WP6A-M48.01 Key Dates															
EP_SP_66_12-WP6A-M48.01.1 Contractual Key Dates															
EP_SP_66_12-WP6A-M48.01.1.1 Design and Construction Phase															
01-1000	Contract Award/Date of Acceptance of Tender	0	0	22-Nov-17 A				100%							
01-1010	Date of Commencement of the Design and the Works	0	0	15-Dec-17 A				100%							
01-1015(3)(M12)	Original Substantial Completion of the Works	0	0		27-Jul-24*		27-Jul-24	0%	0						
01-1020	Extended Substantial Completion of The Works	0	0		07-Jun-25*		07-Jun-25	0%	0						
EP_SP_66_12-WP6A-M48.01.1.3 Extension of Time Granted															
01-1015-1(3)(M12)	Extension of time granted (Claim No.1 to No.72) *Claim No.9 excluded	315	315	27-Jul-24	07-Jun-25	27-Jul-24	07-Jun-25	0%	0						
EP_SP_66_12-WP6A-M48.01.1.2 Operation Phase															
01-1030	Commencement of Operation	0	0	08-Jun-25*			08-Jun-25	0%	0						
01-1230	Issue Certificate of Completion of the Works (56 days after Substantial Completion)	0	0		02-Aug-25*		02-Aug-25	0%	0						
EP_SP_66_12-WP6A-M48.01.2 Planned Completion Dates															
01-1030(5a)	Grid Connection Agreement (GCA)	0	0		31-Oct-23		31-Oct-23	0%	0						
01-1040	Incoming Power Energization to IWMF Substation	0	0		31-Oct-24*		30-Oct-24	0%	0						
01-1050	Export Power to Grid	0	0		31-Oct-24*		13-Jan-25	0%	75						
01-1060	Issuance of FS Certificate	0	0		18-Oct-24		02-Nov-24	0%	15						
01-1070	Completion of Civil Provision for Transmission	0	0		05-Mar-23		06-Apr-23	0%	32						
01-1080	Commencement of C1.3.4.11 System Commissioning Test	0	0	24-Dec-24		03-Nov-24		0%	-51						
01-1090	Completion of C1.3.4.11 System Commission Test	0	0		20-Jan-25		30-Dec-24	0%	-21						
01-1100	Physical Completion of 90 Days Plant Commissioning Test Works	0	0		08-Jun-25		17-May-25	0%	-22	Added FS 21days to 01-1110(3)(M15) for Employer issue the certificate					
01-1110(3)(M15)	Planned Substantial Completion of the Works	0	0		02-Aug-25		07-Jun-25	0%	-56						
01-1110-1(5a)	Completion of 180 Days for Installation, T&C of CCTV System and Onshore Power System at Portion 2	0	0		04-Dec-25*		04-Dec-25	0%	0						
01-1110-2(5a)	Replacement of Onshore Cranes within 2 yrs at Portion 2	0	0		08-Jun-27		08-Jun-27	0%	0						
EP_SP_66_12-WP6A-M48.01.3 Dates of Site Possessions															
01-1120	Possession of Portion 1	0	0		15-Dec-17 A			100%							
01-1130	Possession of Portion 1A	0	0		15-Dec-17 A			100%							
01-1140	Possession of Portion 1B	0	0		15-Dec-17 A			100%							
01-1150	Possession of Portion 2	0	0	08-Jun-25		08-Jun-25		0%	0						
01-1160	Possession of Portion 3	0	0		08-Apr-23		07-May-23	0%	29						
01-1170	Possession of Portion 4	0	0		08-Apr-23		07-May-23	0%	29						
01-1180	Possession of Portion 5	0	0		08-Apr-23		07-May-23	0%	29						
01-1190	Possession of Portion 6	0	0	20-Oct-24*		08-Jun-25		0%	231						
01-1200	Possession of Portion 7	0	0		05-Jan-18 A			100%							
01-1210	Possession of Portion 7A	0	0		07-Dec-18 A			100%							
01-1210(5a)	Possession of Portion 8	0	0	29-Apr-20 A				100%							
EP_SP_66_12-WP6A-M48.02 Contract Preliminaries															
EP_SP_66_12-WP6A-M48.02.3 Erection of Concrete Batching Plant on Artificial Island															
02-1100	Operation of Concrete Batching Plant	697	697	15-Aug-21 A	27-Oct-23	13-May-22	08-Apr-24	0%	164						
EP_SP_66_12-WP6A-M48.02.4 Establishment of Public Relation Office															
EP_SP_66_12-WP6A-M48.02.4.2 South Lantau (SLIO)															
02-1120-1(6C)	Establishment of IWMF Information Office(s)	61	16	30-Aug-21 A	15-Dec-21	16-Dec-21	31-Dec-21	73.77%	16						
EP_SP_66_12-WP6A-M48.03 Licence/Permit Applications															
EP_SP_66_12-WP6A-M48.03.1 License/Permit for Construction															
03-1080	CNP for Percussive Piling Works	90	90	30-Nov-21	27-Feb-22	05-Dec-21	04-Mar-22	0%	5						







Programme for Design and Construction Works
November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022				
											Nov 46	Dec 49	Jan 50	Feb 51	Nov 46	Dec 49	Jan 50	Feb 51	
03-1360(2)	CNP for 24Hrs	2120	1269	02-Aug-19 A	21-May-25*	30-Nov-21	21-May-25	40.14%	0										
03-1370_1(M34)	Landscape and Visual Plan	180	120	08-May-20 A	29-Mar-22	08-Jan-22	07-May-22	33.33%	39										
EP_SP_66_12-WP6A-M48.03.2 DG Licence		180	180	30-Nov-21	28-May-22	24-Nov-21	22-May-22		-6										
EP_SP_66_12-WP6A-M48.03.2.1 Day Tank & Fuel Oil Storage (Cat 5)		180	180	30-Nov-21	28-May-22	24-Nov-21	22-May-22		-6										
03-1400	General Building Plans and FSI Provision Design Submission to FSD (Cat 5)	180	180	30-Nov-21	28-May-22	24-Nov-21	22-May-22	0%	-6			30-Nov-21							
EP_SP_66_12-WP6A-M48.03.4 Fire Services Installations (FSI) Certificate		799	159	10-Apr-19 A	07-May-22	15-Dec-21	22-May-22		15										
EP_SP_66_12-WP6A-M48.03.4.3 Fire Engineering Report		709	69	10-Apr-19 A	06-Feb-22	15-Dec-21	21-Feb-22		15										
05-3000	Preparation and Submission of Fire Engineering Report to FSD	550	9	10-Apr-19 A	08-Dec-21	15-Dec-21	23-Dec-21	98.36%	15					08-Dec-21, Preparation and Submission of Fire Engineering Report to FSD, Preparation and					
05-4450	Approval of Fire Engineering Report by FSD	60	60	09-Dec-21	06-Feb-22	24-Dec-21	21-Feb-22	0%	15			09-Dec-21		06-Feb-22, Approval of					
EP_SP_66_12-WP6A-M48.03.4.1 Fire Services Installations Certificate Inspection		265	159	01-Dec-20 A	07-May-22	23-Jan-22	22-May-22		15										
03-1555(5a)	General Building Plans and FSI Provision Design Submission to FSD	90	30	01-Dec-20 A	29-Dec-21	23-Jan-22	21-Feb-22	66.67%	54					29-Dec-21, General Building Plans and FSI Provision Design Subm					
03-1555-1(5a)	Approval of General Building Plans and FSI Provision Design Submission	90	90	07-Feb-22	07-May-22	22-Feb-22	22-May-22	0%	15					07-Feb-22					
EP_SP_66_12-WP6A-M48.03.5 Air Pollution Control (Specified Processes) License		600	30	27-Dec-18 A	29-Dec-21	08-May-22	06-Jun-22		159										
03-1730(3)	Early Engagement With EPD SP Licensing Department for Information exchange	600	30	27-Dec-18 A	29-Dec-21	08-May-22	06-Jun-22	95%	159					29-Dec-21, Early Engagement With EPD SP Licensing Department					
EP_SP_66_12-WP6A-M48.04 General Submissions		1623	180	18-Dec-17 A	28-May-22	26-Mar-22	13-Oct-23		503										
EP_SP_66_12-WP6A-M48.04.3 Accommodation Plans		14	14	02-Feb-22	16-Feb-22	26-Mar-22	08-Apr-22		51										
04-1030	Submission of Employer on Island Temporary Accommodation Plan	14	14	02-Feb-22	16-Feb-22	26-Mar-22	08-Apr-22	0%	51					02-Feb-22				16-Feb-22,	
EP_SP_66_12-WP6A-M48.04.1 Contractor's Plans Submission and Approval		1623	180	18-Dec-17 A	28-May-22	08-Apr-22	13-Oct-23		503										
04-1100(1)	Technical Resources Plan (TRP)	240	32	19-Dec-17 A	31-Dec-21	02-Sep-23	03-Oct-23	30%	641					31-Dec-21, Technical Resources Plan (TRP), Technical Resource					
04-1200(1)	Works Plan (WP)	90	32	18-Dec-17 A	31-Dec-21	02-Sep-23	03-Oct-23	30%	641					31-Dec-21, Works Plan (WP), Works Plan (WP), 31-Dec-21					
04-1400(1)	Operation Plan (OP)	240	30	18-Dec-17 A	29-Dec-21	14-Sep-23	13-Oct-23	87.5%	653					29-Dec-21, Operation Plan (OP), Operation Plan (OP), 29-Dec-21					
04-1450(1)	Asset Management Plan (AMP)	120	120	30-Nov-21	29-Mar-22	09-Feb-23	08-Jun-23	0%	436			30-Nov-21							
04-1500(1)	Handback Plan (HP)	120	120	30-Nov-21	29-Mar-22	09-Feb-23	08-Jun-23	0%	436			30-Nov-21							
EP_SP_66_12-WP6A-M48.04.1.1 BEAM Plus Assessment		180	180	30-Nov-21	28-May-22	08-Apr-22	04-Oct-22		129										
04-1500-1(1)	Provisional Assessment	180	180	30-Nov-21	28-May-22	08-Apr-22	04-Oct-22	0%	129	Revised Activity Name		30-Nov-21							
EP_SP_66_12-WP6A-M48.05 Design Submissions		1648	525	27-Apr-18 A	08-May-23	04-Dec-21	30-Dec-24		602										
EP_SP_66_12-WP6A-M48.05.01 AIP Design Package Submissions		1258	180	27-Apr-18 A	28-May-22	04-Dec-21	21-Nov-23		542										
EP_SP_66_12-WP6A-M48.05.01.3 AIP General Building Plan		212	90	03-Mar-21 A	27-Feb-22	24-Dec-21	23-Mar-22		24										
04-1600(M42)	Process Building & Wastewater Treatment Plant	135	30	03-Jun-21 A	29-Dec-21	23-Jan-22	21-Feb-22	77.78%	54					29-Dec-21, Process Building & Wastewater Treatment Plant, Proces					
04-1610(M42)	Turbine Hall	135	30	03-Mar-21 A	29-Dec-21	23-Jan-22	21-Feb-22	77.78%	54					29-Dec-21, Turbine Hall, Turbine Hall, 29-Dec-21					
04-1620(M42)	CCCW	135	30	03-Mar-21 A	29-Dec-21	23-Jan-22	21-Feb-22	77.78%	54					29-Dec-21, CCCW, CCCW, 29-Dec-21					
04-1630(M42)	Chimney	135	30	03-Mar-21 A	29-Dec-21	23-Jan-22	21-Feb-22	77.78%	54					29-Dec-21, Chimney, Chimney, 29-Dec-21					
04-1640(M42)	M T & Water Treatment Plant	135	30	03-Jun-21 A	29-Dec-21	23-Jan-22	21-Feb-22	77.78%	54					29-Dec-21, M T & Water Treatment Plant, M T & Water Treatment Pl					
04-1650(M42)	Reception Pavilion	135	30	03-Jun-21 A	29-Dec-21	23-Jan-22	21-Feb-22	77.78%	54					29-Dec-21, Reception Pavilion, Reception Pavilion, 29-Dec-21					
04-1660(M42)	Administration building	135	30	03-Jun-21 A	29-Dec-21	23-Jan-22	21-Feb-22	77.78%	54					29-Dec-21, Administration building, Administration building, 29-Dec-					
04-1670(M42)	Elevated Driveway	135	30	03-Mar-21 A	29-Dec-21	23-Jan-22	21-Feb-22	77.78%	54					29-Dec-21, Elevated Driveway, Elevated Driveway, 29-Dec-21					
04-1680(M42)	IWMF Substation	135	30	03-Mar-21 A	29-Dec-21	23-Jan-22	21-Feb-22	77.78%	54					29-Dec-21, IWMF Substation, IWMF Substation, 29-Dec-21					
04-1690(M46)	ACC Equipment Structure	90	90	30-Nov-21	27-Feb-22	24-Dec-21	23-Mar-22	0%	24			30-Nov-21							
04-1700(M46)	Vehicle Fuel Filling Station	60	60	30-Nov-21	28-Jan-22	08-Jan-22	08-Mar-22	0%	39			30-Nov-21		28-Jan-22, Vehicle Fuel Filling S					
EP_SP_66_12-WP6A-M48.05.01.01 AIP Process and Layout Design (2.1)		227	105	27-Apr-18 A	14-Mar-22	15-Dec-21	01-Jul-22		109										
EP_SP_66_12-WP6A-M48.05.01.01.2 MSW treatment process design for mechanical treatment (2.1.02)		105	105	30-Nov-21	14-Mar-22	19-Mar-22	01-Jul-22		109										
05-1090	Mechanical Treatment Plant	105	105	30-Nov-21	14-Mar-22	19-Mar-22	01-Jul-22	0%	109			30-Nov-21							
EP_SP_66_12-WP6A-M48.05.01.01.6 Site Master Layout Plan and Plant Layout (2.1.06)		105	9	27-Apr-18 A	08-Dec-21	15-Dec-21	23-Dec-21		15										
05-3020	Site Master Layout Plan and Plant Layout	105	9	27-Apr-18 A	08-Dec-21	15-Dec-21	23-Dec-21	65%	15					08-Dec-21, Site Master Layout Plan and Plant Layout, Site Master Layout Plan and Plant Lay					
EP_SP_66_12-WP6A-M48.05.01.02 AIP Ground Treatment, Reclamation, Seawall, Breakwater, Berth (2.2)		318	135	26-Aug-20 A	13-Apr-22	17-Mar-23	12-Sep-23		517										
05-2960-1(M37)	Mooring Dolphins	135	135	30-Nov-21	13-Apr-22	17-Mar-23	29-Jul-23	0%	472			30-Nov-21							
05-2970	Onshore crane Facility (2.2.11)	105	105	30-Nov-21	14-Mar-22	31-May-23	12-Sep-23	0%	547			30-Nov-21							
05-2980	Onshore vessel power supply system (2.2.12)	135	30	26-Aug-20 A	29-Dec-21	30-Jun-23	29-Jul-23	65%	577					29-Dec-21, Onshore vessel power supply system (2.2.12), Onshore v					
EP_SP_66_12-WP6A-M48.05.01.03 AIP Incineration Plant Buildings (2.3)		1198	135	28-Dec-18 A	13-Apr-22	17-Dec-21	21-Aug-23		495										

Programme for Design and Construction Works November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022							
											Nov 46	Dec 49	Jan 50	Feb 51	Nov 46	Dec 49	Jan 50	Feb 51				
EP_SP_66_12-WP6A-M48.05.01.03.1 General Layout Drawings and Fire Safety Strategy (2.3.00)																						
05-1210	Process Building	105	30	04-May-20 A	29-Dec-21	23-Jan-22	21-Feb-22	45%	54													
05-1220	ACC Equipment Yard	60	60	30-Nov-21	28-Jan-22	24-Dec-21	21-Feb-22	0%	24													
05-1620	Chimney	105	30	31-May-21 A	29-Dec-21	23-Jan-22	21-Feb-22	25%	54													
EP_SP_66_12-WP6A-M48.05.01.03.2 Foundation design (2.3.01)																						
05-3090	Reception Pavilion	135	75	30-Oct-20 A	12-Feb-22	08-Dec-22	20-Feb-23	5%	373													
EP_SP_66_12-WP6A-M48.05.01.03.3 Structural design (2.3.02)																						
05-1350	Reception Pavilion Structural Design	105	76	01-Sep-21 A	13-Feb-22	07-Dec-22	20-Feb-23	5%	372													
EP_SP_66_12-WP6A-M48.05.01.03.6 Fire services installation design (2.3.05)																						
EP_SP_66_12-WP6A-M48.05.01.03.6.1 Process Building (2.3.05.01)																						
05-1510	Fire Systems	105	30	10-Jan-19 A	29-Dec-21	23-Jan-22	21-Feb-22	5%	54													
05-1530	FS schematics	105	14	10-Jan-19 A	13-Dec-21	24-Jan-22	06-Feb-22	5%	55													
EP_SP_66_12-WP6A-M48.05.01.03.6.3 Turbin Hall Building (2.3.05.03)																						
05-5400	Fire Systems (2.3.05.03.01)	105	30	28-Dec-18 A	29-Dec-21	23-Jan-22	21-Feb-22	5%	54													
05-5420-1(M22)	FS schematics (2.3.05.03.03)	105	14	28-Dec-18 A	13-Dec-21	24-Jan-22	06-Feb-22	5%	55													
EP_SP_66_12-WP6A-M48.05.01.03.6.5 Elevated Drive Way and Associated Structures (2.3.05.05)																						
05-5445(M22)	Fire Systems	180	30	16-Dec-19 A	29-Dec-21	23-Jan-22	21-Feb-22	5%	54													
05-5450-1(M22)	FS schematics	180	14	16-Dec-19 A	13-Dec-21	24-Jan-22	06-Feb-22	5%	55													
EP_SP_66_12-WP6A-M48.05.01.03.6.6 Reception Pavilion (2.3.05.06)																						
05-5460(M22)	Fire Systems (2.3.05.06.01)	270	30	04-Oct-19 A	29-Dec-21	23-Jan-22	21-Feb-22	5%	54													
05-5470-1(M22)	FS schematics (2.3.05.06.03)	270	14	04-Oct-19 A	13-Dec-21	24-Jan-22	06-Feb-22	5%	55													
EP_SP_66_12-WP6A-M48.05.01.03.6.7 Compressor & Closed Circuit (2.3.05.07)																						
05-5480-1(M22)	Fire Systems (2.3.05.07.01)	140	30	11-Sep-19 A	29-Dec-21	23-Jan-22	21-Feb-22	5%	54													
05-5490-1(M22)	FS schematics (2.3.05.07.03)	140	14	11-Sep-19 A	13-Dec-21	24-Jan-22	06-Feb-22	5%	55													
EP_SP_66_12-WP6A-M48.05.01.03.7 Building services design (excluding fire services installation design) (2.3.06)																						
05-1560	MVAC (6 Packages)	105	60	10-Jan-19 A	28-Jan-22	23-Apr-23	21-Jun-23	42.86%	509													
05-1590	Drainage (7 Packages)	135	60	15-Jan-19 A	28-Jan-22	08-Apr-23	06-Jun-23	25%	494													
05-1610	Lifts and Escalators (2 Packages)	135	60	30-Dec-19 A	28-Jan-22	07-Jun-23	05-Aug-23	5%	554													
05-1770	Vehicle & Container Wash System	135	135	30-Nov-21	13-Apr-22	09-Apr-23	21-Aug-23	0%	495													
05-1770-1(M20)	Water Cannon System	135	7	11-Jun-19 A	06-Dec-21	17-Dec-21	23-Dec-21	45%	17													
EP_SP_66_12-WP6A-M48.05.01.04 AIP Mechanical Treatment Plant Building (2.4)																						
05-1640	Architectural Design (2.4.00)	105	60	07-Sep-18 A	28-Jan-22	18-Jan-22	18-Mar-22	45%	49													
05-1650	Foundation design (2.4.01)	135	60	07-Jul-19 A	28-Jan-22	28-Dec-21	25-Feb-22	5%	28													
05-1660	Structural design (2.4.02)	457	60	21-May-19 A	28-Jan-22	03-May-22	01-Jul-22	5%	154													
05-1670	Electrical and instrumentation works design (2.4.03)	90	90	30-Nov-21	27-Feb-22	22-Apr-23	20-Jul-23	0%	508													
05-1680	Mechanical works design (2.4.04)	90	90	30-Nov-21	27-Feb-22	26-Oct-22	23-Jan-23	0%	330													
05-1690	Fire services installation design (2.4.05) (3 Packages)	135	60	20-Mar-19 A	28-Jan-22	23-Jan-22	23-Mar-22	5%	54													
EP_SP_66_12-WP6A-M48.05.01.04.7 Building services design (excluding fire services installation design) (2.4.06)																						
05-1710	MVAC	135	30	25-Mar-19 A	29-Dec-21	23-May-23	21-Jun-23	5%	539													
05-1720	Odour Control	75	75	30-Nov-21*	12-Feb-22	22-Feb-23	07-May-23	0%	449													
05-1740	Drainage	135	30	20-Mar-19 A	29-Dec-21	09-Jun-23	08-Jul-23	5%	556													
05-1760	Lifts	135	30	30-Dec-19 A	29-Dec-21	05-Sep-23	04-Oct-23	5%	644													
05-1760-1(M20)	Building Management System (BMS)	5	30	17-Aug-21 A	29-Dec-21	09-Dec-21	07-Jan-22	5%	9													
EP_SP_66_12-WP6A-M48.05.01.05 AIP Wastewater Treatment Plant (2.5)																						
05-1780	Architectural Design (2.5.00)	135	180	03-Oct-18 A	28-May-22	25-Feb-22	23-Aug-22	45%	87													
05-2790	Fire services installation design (2.5.05)	135	60	16-Jan-19 A	28-Jan-22	23-Jan-22	23-Mar-22	5%	54													
EP_SP_66_12-WP6A-M48.05.01.05.7 Building services design (excluding fire services installation design) (2.5.06)																						
05-1840	MVAC (2.5.06.02)	135	0	16-Jan-19 A	30-Nov-21	21-Jun-23	21-Jun-23	25%	569													

Programme for Design and Construction Works
November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022	
											Nov 46	Dec 49	Jan 50	Feb 51		
05-1850	Odour Control (2.5.06.03)	105	105	30-Nov-21*	14-Mar-22	22-Feb-23	06-Jun-23	0%	449		30-Nov-21*					
05-1870	Drainage (2.5.06.05)	135	30	16-Jan-19 A	29-Dec-21	08-May-23	06-Jun-23	25%	524					29-Dec-21, Drainage (2.5.06.05), Drainage (2.5.06.05), 29-Dec-21		
EP_SP_66_12-WP6A-M48.05.01.06 AIP Water Treatment Plant Building (2.6)																
05-1900	Architectural Design (2.6.00)	105	90	07-Sep-18 A	27-Feb-22	28-Dec-21	27-Mar-22	65%	28							
05-1910	Foundation design (2.6.01)	60	60	30-Nov-21	28-Jan-22	28-Dec-21	25-Feb-22	0%	28		30-Nov-21			28-Jan-22, Foundation design (2.6.01)		
05-1920	Structural design (2.6.02)	90	60	23-Mar-20 A	28-Jan-22	24-Dec-21	21-Feb-22	5%	24					28-Jan-22, Structural design (2.6.02)		
05-1950	Fire services installation design (2.6.05) (3 Packages)	135	60	20-Mar-19 A	28-Jan-22	23-Jan-22	23-Mar-22	5%	54					28-Jan-22, Fire services installation design (2.6.05) (3 Packages)		
EP_SP_66_12-WP6A-M48.05.01.06.7 Building services design (excluding fire services installation design) (2.6.06)																
05-1970	MVAC	135	90	25-Mar-19 A	27-Feb-22	07-May-23	04-Aug-23	5%	523							
05-2000	Drainage	135	60	20-Mar-19 A	28-Jan-22	10-May-23	08-Jul-23	5%	526					28-Jan-22, Drainage, Drainage, 28-Jan-22		
EP_SP_66_12-WP6A-M48.05.01.07 AIP Administration Building (2.7)																
05-2020	Architectural Design (2.7.00)	135	60	03-Aug-18 A	27-Feb-22	28-Jan-22	27-Sep-22	65%	301					28-Jan-22, Architectural Design (2.7.00)		
05-2030	Foundation design (2.7.01)	60	60	30-Nov-21	28-Jan-22	22-Feb-22	22-Apr-22	0%	84		30-Nov-21			28-Jan-22, Foundation design (2.7.01)		
05-2040	Structural design (2.7.02)	135	60	29-Jul-19 A	28-Jan-22	23-May-22	21-Jul-22	65%	174					28-Jan-22, Structural design (2.7.02)		
05-2050	Electrical and instrumentation works design (2.7.03)	90	90	30-Nov-21	27-Feb-22	07-Apr-23	05-Jul-23	0%	493		30-Nov-21					
05-2060	Fire services installation design (3 Packages) (2.7.04)	135	60	03-Sep-19 A	28-Jan-22	23-Jan-22	23-Mar-22	5%	54					28-Jan-22, Fire services installation design (3 Packages) (2.7.04)		
EP_SP_66_12-WP6A-M48.05.01.07.6 Building services design (excluding fire services installation design) (2.7.05)																
05-2080	MVAC	135	60	03-Sep-19 A	28-Jan-22	22-Apr-23	20-Jun-23	65%	508					28-Jan-22, MVAC, MVAC, 28-Jan-22		
05-2130	Lifts and Escalators	135	60	30-Dec-19 A	28-Jan-22	06-Aug-23	04-Oct-23	5%	614					28-Jan-22, Lifts and Escalators, Lifts and Escalators, 28-Jan-22		
EP_SP_66_12-WP6A-M48.05.01.08 AIP IVMF Substation (2.8)																
05-2190	Fire services installation design (2.8.05) (2 Packages)	135	14	27-Nov-18 A	13-Dec-21	10-Mar-22	23-Mar-22	5%	100					13-Dec-21, Fire services installation design (2.8.05) (2 Packages), Fire services installation design (2.8.05) (2 Packages), 13-Dec-21		
EP_SP_66_12-WP6A-M48.05.01.1 AIP Chimney																
EP_SP_66_12-WP6A-M48.05.01.1.1 Building services design (excluding fire services installation design)																
05-5430(5a)	Electrical Services and Lighting	90	49	20-Sep-21 A	17-Jan-22	21-Jun-23	08-Aug-23	5%	568					17-Jan-22, Electrical Services and Lighting, Electrical Services and Lighting, 17-Jan-22		
05-5440(5a)	MVAC	90	49	20-Sep-21 A	17-Jan-22	07-Jul-23	24-Aug-23	5%	584					17-Jan-22, MVAC, MVAC, 17-Jan-22		
05-5450(5a)	Plumbing	90	49	20-Sep-21 A	17-Jan-22	07-Jul-23	24-Aug-23	5%	584					17-Jan-22, Plumbing, Plumbing, 17-Jan-22		
05-5460-1(5a)	Drainage	90	49	20-Sep-21 A	17-Jan-22	07-Jul-23	24-Aug-23	5%	584					17-Jan-22, Drainage, Drainage, 17-Jan-22		
05-5470(5a)	ELV	90	49	20-Sep-21 A	17-Jan-22	21-Jun-23	08-Aug-23	5%	568					17-Jan-22, ELV, ELV, 17-Jan-22		
05-5480-2(5a)	Lift	90	90	30-Nov-21	27-Feb-22	22-Jun-23	19-Sep-23	0%	569		30-Nov-21					
05-5490(5a)	Building Management System (BMS)	90	90	30-Nov-21	27-Feb-22	01-Feb-22	01-May-22	0%	63		30-Nov-21					
EP_SP_66_12-WP6A-M48.05.01.09 AIP Air Quality Monitoring Stations (2.9)																
05-2250	Design of the Air Quality Monitoring Stations (2.9.01)	60	60	30-Nov-21	28-Jan-22	29-Dec-21	26-Feb-22	0%	29		30-Nov-21			28-Jan-22, Design of the Air Quality Monitoring Stations (2.9.01)		
EP_SP_66_12-WP6A-M48.05.01.10 AIP Roads and Utilities (2.10)																
EP_SP_66_12-WP6A-M48.05.01.10.4 Water supply system design on the Artificial Island (2.10.04)																
05-2360	Water Tanks (2.10.04.05)	135	135	30-Nov-21*	13-Apr-22	01-Jan-22	15-May-22	0%	32		30-Nov-21*					
05-2370	External FS Systems (2.10.04.06)	135	60	04-Nov-19 A	28-Jan-22	17-Mar-22	15-May-22	5%	107					28-Jan-22, External FS Systems		
05-2370-2(M24)	Building Services system for seawater intake (2.10.04.09)	90	30	11-Mar-20 A	29-Dec-21	27-Mar-23	25-Apr-23	5%	482					29-Dec-21, Building Services system for seawater intake (2.10.04.09)		
05-2370-3(5a)	Chemical scrubber system for odour control (2.10.04.10)	90	90	06-Jan-21 A	27-Feb-22	26-Jan-23	25-Apr-23	0%	422							
EP_SP_66_12-WP6A-M48.05.01.10.6 Design of telecommunication and other utilities (2.10.06)																
05-2380	Power Distribution System concept / schematics (2.10.06.01)	135	60	28-Dec-20 A	28-Jan-22	25-Jun-23	23-Aug-23	5%	572					28-Jan-22, Power Distribution System concept / schematics (2.10.06.01)		
05-2410	Site ELV Network System - Communications System concept / schematics (2.10.06.04)	135	60	09-Mar-20 A	28-Jan-22	25-Jun-23	23-Aug-23	5%	572					28-Jan-22, Site ELV Network System - Communications System concept / schematics (2.10.06.04)		
05-2420	Site ELV Network System - Security Systems concept / schematics (2.10.06.05)	135	60	09-Mar-20 A	28-Jan-22	25-Jun-23	23-Aug-23	5%	572					28-Jan-22, Site ELV Network System - Security Systems concept / schematics (2.10.06.05)		
05-2430	Site ELV Network System - Navigation aids concept / schematics (2.10.06.06)	105	105	30-Nov-21	14-Mar-22	26-Apr-23	08-Aug-23	0%	512		30-Nov-21					
05-2440	Microwave transmission of FS direct link (2.10.06.07)	135	30	27-Nov-18 A	29-Dec-21	26-May-23	24-Jun-23	45%	542					29-Dec-21, Microwave transmission of FS direct link (2.10.06.07), Microwave transmission of FS direct link (2.10.06.07), 29-Dec-21		
05-2450	Fuel Handling System concept / schematics (2.10.06.08)	135	60	24-Jan-20 A	28-Jan-22	01-Dec-22	29-Jan-23	5%	366					28-Jan-22, Fuel Handling System concept / schematics (2.10.06.08)		
05-3840-1(M22)	Automatic Traffic Control System (ATCS) (2.10.06.12)	90	90	30-Nov-21	27-Feb-22	22-Nov-22	19-Feb-23	0%	357		30-Nov-21					
EP_SP_66_12-WP6A-M48.05.01.10.7 Utility ducts/Pipebridges design (2.10.25)																
		273	60	09-Oct-18 A	28-Jan-22	27-Dec-21	11-Nov-22		287							







Programme for Design and Construction Works
 November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022		
											Nov 46	Dec 49	Jan 50	Feb 51	Jan 50	Feb 51	
05-2460	Design of Pipe / Utilities Trenches concept (2.10.06.09.01)	105	60	28-Aug-20 A	28-Jan-22	13-Sep-22	11-Nov-22	5%	287								28-Jan-22, Design of Pipe / Utiliti
05-2470	Sitewide Utilities Trenches Design (2.10.06.09.02)	105	60	28-Aug-20 A	28-Jan-22	13-Sep-22	11-Nov-22	5%	287								28-Jan-22, Sitewide Utilities Tren
EP_SP_66_12-WP6A-M48.05.01.10.7.3 Layout Plan for Pipe Bridge Network																	
05-6010	Pipebridge B	60	60	30-Nov-21	28-Jan-22	27-Dec-21	24-Feb-22	0%	27				30-Nov-21				28-Jan-22, Pipebridge B
05-6020	Pipebridge C	60	60	30-Nov-21	28-Jan-22	27-Dec-21	24-Feb-22	0%	27				30-Nov-21				28-Jan-22, Pipebridge C
EP_SP_66_12-WP6A-M48.05.01.10.7.2 Structure Plan for Pipe Bridge Network																	
05-6070	Pipebridge B	135	60	09-Oct-18 A	28-Jan-22	10-Jul-22	07-Sep-22	5%	222								28-Jan-22, Pipebridge B, Pipebrid
05-6080	Pipebridge C	135	60	09-Oct-18 A	28-Jan-22	11-May-22	09-Jul-22	5%	162								28-Jan-22, Pipebridge C, Pipebrid
EP_SP_66_12-WP6A-M48.05.01.11 AIP Architectural, Finishes and Landscaping Works (2.11)																	
EP_SP_66_12-WP6A-M48.05.01.11.1 External and internal finishes design for Incineration Plant Buildings																	
05-2510	External and internal finishes design for Incineration Plant Building (2.11.01)	135	30	04-May-20 A	29-Dec-21	04-Dec-21	02-Jan-22	5%	4								29-Dec-21, External and internal finishes design for Incineration Plan
05-2520	External and internal finishes design for ACC Equipment Yard	135	135	30-Nov-21	13-Apr-22	01-Jan-22	15-May-22	0%	32				30-Nov-21				
05-2530	External and internal finishes design for Turbine Hall Building	135	60	04-May-20 A	28-Jan-22	28-Apr-22	26-Jun-22	5%	149								28-Jan-22, External and internal f
05-2540	External and internal finishes design for CCCW Building	135	60	04-May-20 A	28-Jan-22	10-Feb-22	10-Apr-22	5%	72								28-Jan-22, External and internal f
05-2550	External and internal finishes design for Chimney	45	45	30-Nov-21	13-Jan-22	07-Nov-22	21-Dec-22	5%	342				30-Nov-21				13-Jan-22, External and internal finishes design for
05-2560	External and internal finishes design for Reception Pavilion	135	60	30-Mar-20 A	28-Jan-22	23-Nov-22	21-Jan-23	5%	358								28-Jan-22, External and internal f
05-2570	External and internal finishes design for MT Plant Building (2.11.02)	136	60	27-Apr-20 A	28-Jan-22	06-May-22	04-Jul-22	5%	157								28-Jan-22, External and internal f
05-2580	External and internal finishes design for the Wastewater Treatment Plant (2.11.03)	62	60	04-May-20 A	28-Jan-22	07-Feb-22	07-Apr-22	25%	69								28-Jan-22, External and internal f
05-2590	External and internal finishes design for the Water Treatment Plant Building (2.11.04)	62	60	27-Apr-21 A	28-Jan-22	14-Feb-22	14-Apr-22	25%	76								28-Jan-22, External and internal f
05-2600	External and internal finishes design for the Administration Building (2.11.05)	135	60	27-Apr-20 A	28-Jan-22	23-May-22	21-Jul-22	5%	174								28-Jan-22, External and internal f
05-2610	External and internal finishes design for the IWMF Substation (2.11.06)	135	30	30-Mar-20 A	29-Dec-21	20-Apr-22	19-May-22	45%	141								29-Dec-21, External and internal finishes design for the IWMF Subst
EP_SP_66_12-WP6A-M48.05.01.11.7 Landscape masterplan (2.11.07)																	
05-2620	Water Feature (2.11.07.01)	105	13	19-Jun-20 A	29-Mar-22	13-May-23	25-May-23	5%	422								
05-2920_1(M34)	Turbine Hall Building (2.11.07.04)	105	13	08-May-20 A	29-Mar-22	09-Nov-23	21-Nov-23	5%	602								
05-2920_2(M34)	Reception Pavilion (2.11.07.06)	105	60	08-May-20 A	28-Jan-22	23-Sep-23	21-Nov-23	5%	662								28-Jan-22, Reception Pavilion (2
05-2920_3(M34)	MT Plant Building and Water Treatment Plant Building (2.11.07.07)	105	13	08-May-20 A	29-Mar-22	09-Nov-23	21-Nov-23	5%	602								
05-2920_4(M34)	Administration Building (2.11.07.08)	105	13	08-May-20 A	29-Mar-22	09-Nov-23	21-Nov-23	5%	602								
05-2920_5(M34)	IWMF Substation (2.11.07.09)	105	13	08-May-20 A	29-Mar-22	09-Nov-23	21-Nov-23	5%	602								
05-2920_6(M34)	Process Building (2.11.07.10)	105	13	08-May-20 A	29-Mar-22	09-Nov-23	21-Nov-23	5%	602								
EP_SP_66_12-WP6A-M48.05.01.11.8 Architectural Detailing - Site Wide (2.11.29)																	
05-2640	Architectural Detailing - Site Wide Concept	105	20	27-Apr-21 A	19-Dec-21	16-Feb-22	07-Mar-22	5%	78								19-Dec-21, Architectural Detailing - Site Wide Concept, Architectural Detailing
EP_SP_66_12-WP6A-M48.05.01.11.9 External and internal finishes design for Elevated Driveway																	
05-5410	External and internal finishes design for Elevated Driveway	0	60	04-May-20 A	28-Jan-22	13-May-22	11-Jul-22	25%	164								28-Jan-22, External and internal f
EP_SP_66_12-WP6A-M48.05.01.12 AIP Testing and Commissioning (2.12)																	
05-2650-1(5)	Factory Acceptance Testing plan (2.12.01.02-07) (8 Packages)	105	60	23-Apr-19 A	28-Jan-22	29-Jun-22	27-Aug-22	5%	211								28-Jan-22, Factory Acceptance Te
05-2660	Site Acceptance Testing plan (2.12.02)	105	105	30-Nov-21	14-Mar-22	06-Feb-23	21-May-23	0%	433				30-Nov-21				
05-2670	System commissioning plan (2.12.03)	105	105	30-Nov-21	14-Mar-22	22-Jul-23	03-Nov-23	0%	599				30-Nov-21				
05-2680	Plant commissioning plan (2.12.04)	105	105	30-Nov-21	14-Mar-22	05-Jun-23	17-Sep-23	0%	552				30-Nov-21				
EP_SP_66_12-WP6A-M48.05.01.13 AIP Transportation Facilities for the Operation (2.13)																	
05-2690	Design of vehicles for MSW and Ash and Residues delivery (2.13.01)	105	60	29-Jun-20 A	28-Jan-22	11-Jun-23	09-Aug-23	5%	558								28-Jan-22, Design of vehicles for
05-2700	Design of marine vessels for the use of the Employer and visitors (2.13.02)	105	60	08-Sep-20 A	28-Jan-22	19-Aug-23	17-Oct-23	5%	627								28-Jan-22, Design of marine vess
EP_SP_66_12-WP6A-M48.05.01.14 AIP Miscellaneous Works (2.14)																	
05-2720	Design of visitors and environmental education facilities (2.14.02)	105	60	06-Jul-20 A	28-Jan-22	09-Feb-23	09-Apr-23	5%	436								28-Jan-22, Design of visitors and
EP_SP_66_12-WP6A-M48.05.01.15 AIP Miscellaneous Detailing (2.15)																	
05-2730	Covered walkway at passenger berth (2.15.02)	105	105	30-Nov-21	14-Mar-22	26-Jan-22	10-May-22	0%	57				30-Nov-21				
05-2740	Gatehouses (2.15.03)	135	135	30-Nov-21	13-Apr-22	26-May-22	07-Oct-22	0%	177				30-Nov-21				
05-2750	Weighbridge office (2.15.04)	105	105	30-Nov-21	14-Mar-22	16-May-22	28-Aug-22	0%	167				30-Nov-21				







Programme for Design and Construction Works
 November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022					
											Nov 46	Dec 49	Jan 50	Feb 51	Nov 46	Dec 49	Jan 50	Feb 51		
EP_SP_66_12-WP6A-M48.05.01.16 AIP Auxiliary Plant Systems (2.16)		530	135	13-May-20 A	13-Apr-22	25-Dec-21	11-Apr-23		363											
05-2760	Maintenance workshops (2.16.01)	135	135	30-Nov-21	13-Apr-22	22-Oct-22	05-Mar-23	0%	326											
05-2770	Vehicle Fuel Filling Station (2.16.02)	135	135	30-Nov-21	13-Apr-22	28-Nov-22	11-Apr-23	0%	363											
05-2780	Stores systems (2.16.03)	135	135	30-Nov-21	13-Apr-22	25-Jan-22	08-Jun-22	0%	56											
05-2780-1(5a)	IWMF Laboratory (2.16.04)	135	60	13-May-20 A	28-Jan-22	30-May-22	28-Jul-22	45%	181											
05-2780-2(5a)	hoisting systems (2.16.09)	135	30	16-Sep-20 A	29-Dec-21	25-Dec-21	23-Jan-22	5%	25											
EP_SP_66_12-WP6A-M48.05.02 DDA Design Package Submissions		1570	525	15-Oct-18 A	08-May-23	24-Dec-21	30-Dec-24		602											
EP_SP_66_12-WP6A-M48.05.02.3 DDA General Building Plan		272	150	13-Jan-21 A	28-Apr-22	22-Jan-22	06-Jun-22		39											
05-6000-1(M42)	Process Building & Wastewater Treatment Plant	90	60	29-Aug-21 A	28-Jan-22	08-Apr-22	06-Jun-22	5%	129											
05-6010-1(M42)	Turbine Hall	105	30	29-Apr-21 A	29-Dec-21	08-May-22	06-Jun-22	5%	159											
05-6020-2(M42)	CCCW	105	30	28-Apr-21 A	29-Dec-21	08-May-22	06-Jun-22	5%	159											
05-6030-2(M42)	Chimney	90	30	29-Aug-21 A	29-Dec-21	08-May-22	06-Jun-22	5%	159											
05-6040-2(M42)	M T & Water Treatment Plant	90	30	29-Aug-21 A	29-Dec-21	08-May-22	06-Jun-22	0%	159											
05-6050-2(M42)	Reception Pavilion	90	30	29-Aug-21 A	29-Dec-21	08-May-22	06-Jun-22	0%	159											
05-6060-2(M42)	Administration building	90	30	29-Aug-21 A	29-Dec-21	08-May-22	06-Jun-22	0%	159											
05-6070-1(M42)	Elevated Driveway	105	30	10-May-21 A	29-Dec-21	08-May-22	06-Jun-22	5%	159											
05-6080-1(M42)	IWMF Substation	105	30	13-Jan-21 A	29-Dec-21	08-May-22	06-Jun-22	5%	159											
05-6090(M42)	Side Wide Arch Details	105	11	28-Apr-21 A	10-Dec-21	22-Jan-22	01-Feb-22	5%	53											
05-6110(M46)	Vehicle Fuel Filling Station	90	90	29-Jan-22	28-Apr-22	09-Mar-22	06-Jun-22	0%	39											
EP_SP_66_12-WP6A-M48.05.02.01 DDA Process and Layout Design (2.1)		561	140	10-Apr-19 A	18-Apr-22	24-Dec-21	24-Jul-23		462											
EP_SP_66_12-WP6A-M48.05.02.01.1 MSW treatment process design for incineration (2.1.13)		516	136	23-Apr-20 A	14-Apr-22	22-Jan-22	24-Jul-23		466											
05-5090	Incineration System (2.1.13.01) (2 Packages) (link up with 05-3610)	105	136	30-Jul-20 A	14-Apr-22	22-Jan-22	06-Jun-22	5%	53											
05-5100	Heat Recovery Boiler (2.1.13.02) (2 Packages) (link up with 05-3620)	105	136	23-Apr-20 A	14-Apr-22	22-Jan-22	06-Jun-22	5%	53											
05-5110	Ash Cranes (2.1.13.04) (2 Packages)	105	22	07-Dec-20 A	21-Dec-21	31-Oct-22	21-Nov-22	45%	335											
05-5120	Leachate Collection and Treatment (2.1.13.05) (2 Packages)	90	90	30-Nov-21	27-Feb-22	12-Feb-22	12-May-22	0%	74											
05-5130	Waste Water Treatment System (2.1.13.06) (2 Packages)	105	90	20-Jan-21 A	27-Feb-22	23-Apr-22	21-Jul-22	5%	144											
05-5140	Overall Plan Water Scheme (2.1.13.07)	105	90	20-Jan-21 A	27-Feb-22	26-Apr-23	24-Jul-23	5%	512											
05-5150	Boiler Feed Water System (2.1.13.03) (2 Packages)	105	22	03-Aug-20 A	21-Dec-21	31-Oct-22	21-Nov-22	45%	335											
EP_SP_66_12-WP6A-M48.05.02.01.2 MSW treatment process design for mechanical treatment (2.1.14)		105	140	19-Dec-20 A	18-Apr-22	28-Apr-22	14-Sep-22		149											
05-3510	Water Treatment Plant and Boiler Water Treatment (Demin Unit) Plant	105	140	19-Dec-20 A	18-Apr-22	28-Apr-22	14-Sep-22	5%	149											
EP_SP_66_12-WP6A-M48.05.02.01.3 Waste heat recovery and Power generation system (2.1.15)		500	60	20-Apr-20 A	28-Jan-22	26-May-22	24-Jul-22		177											
05-5230	Closed Circuit Cooling Water System	105	60	20-Apr-20 A	28-Jan-22	26-May-22	24-Jul-22	5%	177											
05-5240	Compressed Air Plants	105	60	04-Dec-20 A	28-Jan-22	26-May-22	24-Jul-22	25%	177											
EP_SP_66_12-WP6A-M48.05.02.01.4 Flue gas treatment process design for incineration (2.1.16)		105	60	23-Apr-20 A	28-Jan-22	08-Apr-22	21-Nov-22		297											
05-4660	Flue Gas Treatment System (2 Packages)	105	60	23-Apr-20 A	28-Jan-22	08-Apr-22	06-Jun-22	45%	129											
05-4980	Boiler ash and APC residue handling and solidification (2 Packages)	105	22	23-Apr-20 A	21-Dec-21	31-Oct-22	21-Nov-22	45%	335											
EP_SP_66_12-WP6A-M48.05.02.01.5 Logistic arrangement design for MSW and Ash and Residues (2.1.17)		561	105	06-Jul-20 A	14-Mar-22	28-Jan-22	14-Jun-22		92											
05-4390	Weighbridge Systems	105	105	30-Nov-21	14-Mar-22	28-Jan-22	12-May-22	0%	59											
05-4400	Waste Crane and Grapple System	105	60	06-Jul-20 A	28-Jan-22	14-Mar-22	12-May-22	5%	104											
05-4410	Mechanical Shredder	105	105	30-Nov-21	14-Mar-22	02-Mar-22	14-Jun-22	0%	92											
EP_SP_66_12-WP6A-M48.05.02.01.6 Site Master Layout Plan and Plant Layout (2.1.18)		60	60	09-Dec-21	06-Feb-22	24-Dec-21	21-Feb-22		15											
05-3520	Site Master Layout Plan and Plant Layout	60	60	09-Dec-21	06-Feb-22	24-Dec-21	21-Feb-22	0%	15											
EP_SP_66_12-WP6A-M48.05.02.01.7 Statutory Fire Compliance (2.1.26)		60	60	10-Apr-19 A	28-Jan-22	24-Mar-22	22-May-22		114											
05-4420	Fire Safety Compliance	60	60	10-Apr-19 A	28-Jan-22	24-Mar-22	22-May-22	5%	114											
EP_SP_66_12-WP6A-M48.05.02.02 DDA Ground Treatment, Reclamation, Seawall, Breakwater, Berth (2.2)		1210	165	15-Oct-18 A	13-May-22	15-Feb-22	11-Dec-23		577											
05-3430-2(M37)	Geotechnical Interpretative Report (2.2.02.02)	105	25	15-Oct-18 A	24-Dec-21	15-Feb-22	11-Mar-22	65%	77											
05-3450	Seawall design (2.2.20)	60	10	12-Nov-18 A	09-Dec-21	28-Nov-22	07-Dec-22	65%	363											

Programme for Design and Construction Works
November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022					
											Nov 46	Dec 49	Jan 50	Feb 51	Nov 46	Dec 49	Jan 50	Feb 51		
05-3470	Berth design (2.2.22)	60	10	01-Nov-18 A	09-Dec-21	06-May-22	15-May-22	65%	157											
05-3490	Onshore vessel power supply system (2.2.24)	135	135	30-Dec-21	13-May-22	30-Jul-23	11-Dec-23	0%	577											
EP_SP_66_12-WP6A-M48.05.02.03 DDA Incineration Plant Buildings (2.3)		1216	210	13-Feb-19 A	27-Jun-22	24-Dec-21	18-Dec-23		539											
EP_SP_66_12-WP6A-M48.05.02.03.1 General Layout Drawings and Fire Safety Strategy (2.3.25)		296	105	28-Apr-21 A	22-May-22	22-Feb-22	06-Jun-22		15											
05-3290	Process Building	105	105	07-Feb-22	22-May-22	22-Feb-22	06-Jun-22	0%	15											07-Feb-22
05-3300	ACC Equipment Yard	90	90	07-Feb-22	07-May-22	09-Mar-22	06-Jun-22	0%	30											07-Feb-22
05-3310	Turbine Hall Building	90	90	29-Apr-21 A	07-May-22	09-Mar-22	06-Jun-22	25%	30											
05-3320	CCCW Building	90	90	28-Apr-21 A	07-May-22	09-Mar-22	06-Jun-22	25%	30											
05-3330	Chimney	90	90	07-Feb-22	07-May-22	09-Mar-22	06-Jun-22	0%	30											07-Feb-22
05-3340	Elevated Drive Way and Associated Structures	90	90	18-Jun-21 A	07-May-22	09-Mar-22	06-Jun-22	25%	30											
05-3350	Reception Pavilion	90	90	07-Feb-22	07-May-22	09-Mar-22	06-Jun-22	0%	30											07-Feb-22
EP_SP_66_12-WP6A-M48.05.02.03.2 Foundation design (2.3.13)		209	135	18-Jun-21 A	13-Apr-22	10-Jan-22	20-Feb-23		313											
05-3230	ACC Equipment Yard	135	135	30-Nov-21	13-Apr-22	02-Mar-22	14-Jul-22	0%	92											30-Nov-21
05-3240	Turbine Hall Building	135	60	08-Jul-21 A	28-Jan-22	06-Jun-22	04-Aug-22	25%	188											28-Jan-22, Turbin Hall Building, T
05-3250	Compressor and CCCW Building	135	135	30-Nov-21	13-Apr-22	23-Jan-22	06-Jun-22	0%	54											30-Nov-21
05-3260	Chimney	135	135	30-Nov-21	13-Apr-22	10-Jan-22	24-May-22	0%	41											30-Nov-21
05-3270	Elevated Drive Way and Associated Structures	135	135	30-Nov-21	13-Apr-22	19-Apr-22	31-Aug-22	0%	140											30-Nov-21
05-3280	Reception Pavilion	135	135	18-Jun-21 A	13-Apr-22	09-Oct-22	20-Feb-23	5%	313											
EP_SP_66_12-WP6A-M48.05.02.03.3 Structural design (2.3.14)		311	189	03-Jun-21 A	06-Jun-22	28-Jan-22	21-Jun-23		380											
05-5330	Process Building	105	105	30-Nov-21	14-Mar-22	28-Jan-22	12-May-22	0%	59											30-Nov-21
05-5350	Turbine Hall Building (2.3.14.03)	189	189	03-Jun-21 A	06-Jun-22	07-Jun-22	12-Dec-22	25%	189											
05-5360	CCCW Building	189	189	18-Jun-21 A	06-Jun-22	15-Dec-22	21-Jun-23	5%	380											
05-5370	Chimney	135	135	30-Nov-21	13-Apr-22	18-Mar-22	30-Jul-22	0%	108											30-Nov-21
05-5380	Elevated Drive Way and associated structures	189	189	30-Nov-21	06-Jun-22	24-Feb-22	31-Aug-22	0%	86											30-Nov-21
05-5390	Reception Pavilion Structural Design	23	105	18-Jun-21 A	14-Mar-22	22-Jan-23	06-May-23	5%	418											
EP_SP_66_12-WP6A-M48.05.02.03.4 Electrical and instrumentation works design (2.3.15)		165	90	22-Sep-20 A	27-Feb-22	06-Nov-22	03-Oct-23		583											
05-3360	11kV/380V Power Transformers and 11kV Earthing Transformer	105	90	22-Sep-20 A	27-Feb-22	06-Jul-23	03-Oct-23	5%	583											
05-3370	E&IC Package 1 (Process Island)	120	90	23-Dec-20 A	27-Feb-22	06-Nov-22	03-Feb-23	50%	341											
05-3380	E&IC Package 2 (Power Island)	165	90	10-Feb-21 A	27-Feb-22	17-May-23	14-Aug-23	5%	533											
EP_SP_66_12-WP6A-M48.05.02.03.8 Operation Management System (2.3.15.04)		546	90	16-Sep-19 A	27-Feb-22	23-Feb-22	23-May-22		85											
05-3390-1(M46)	Control Works Design SCADA & PLC Control System - Hardware Design	105	60	16-Sep-19 A	28-Jan-22	25-Mar-22	23-May-22	5%	115											28-Jan-22, Control Works Design
05-3390-2(M46)	Control Works Design SCADA & PLC Control System - Functional Description Specification (FDS) of Power Island	105	60	12-Jul-21 A	28-Jan-22	25-Mar-22	23-May-22	5%	115											28-Jan-22, Control Works Design
05-3390-3(M46)	Hardware Component Details	105	0	08-Jun-20 A	17-Sep-21 A			100%												
05-3390-4(M46)	System Networks Details	105	60	23-Sep-20 A	28-Jan-22	25-Mar-22	23-May-22	50%	115											28-Jan-22, System Networks Det
05-3390-5(M46)	OLM Panel Design for Process Island	105	0	03-May-21 A	29-Oct-21 A			100%												LM Panel Design for Process Island, 29-Oct-21 A
05-3390-6(M46)	Process Related 3rd Party System	105	60	09-Dec-20 A	28-Jan-22	25-Mar-22	23-May-22	5%	115											28-Jan-22, Process Related 3rd P
05-3390-7(M46)	Software Standard Component	105	0	09-Dec-20 A	17-Sep-21 A			100%												
05-3390-8(M46)	Software Detail Design for Process Island SIL	105	60	09-Dec-20 A	28-Jan-22	25-Mar-22	23-May-22	65%	115											28-Jan-22, Software Detail Design
05-3420	Automatic License Plate and Container Recognition System (ALPCRS)	90	90	30-Nov-21	27-Feb-22	23-Feb-22	23-May-22	0%	85											30-Nov-21
EP_SP_66_12-WP6A-M48.05.02.03.5 Mechanical works design (2.3.16)		1111	105	13-Feb-19 A	14-Mar-22	22-Feb-22	11-Nov-23		607											
EP_SP_66_12-WP6A-M48.05.02.03.5.1 Plant and Equipment		1111	105	13-Feb-19 A	14-Mar-22	02-Mar-22	11-Nov-23		607											
05-3580	Weighbridge Systems	105	105	30-Nov-21	14-Mar-22	30-Jul-23	11-Nov-23	0%	607											30-Nov-21
05-3590	Waste Crane and Grapple System	105	60	30-Sep-20 A	28-Jan-22	15-Jul-23	12-Sep-23	5%	592											28-Jan-22, Waste Crane and Gra
05-3600	Mechanical Shredder	105	105	09-Oct-20 A	14-Mar-22	02-Mar-22	14-Jun-22	5%	92											
05-3610	Incineration System (9 Packages)	105	75	13-Feb-19 A	12-Feb-22	07-Jun-22	20-Aug-22	5%	189											12-Feb-22, Incir
05-3620	Heat Recovery Boiler (8 Packages)	105	75	17-May-19 A	12-Feb-22	27-May-22	09-Aug-22	5%	178											12-Feb-22, Heat

Programme for Design and Construction Works
November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022	
											Nov 46	Dec 49	Jan 50	Feb 51	Jan 50	Feb 51
05-5530	ELV	135	135	30-Nov-21	13-Apr-22	21-Jul-23	02-Dec-23	0%	598		30-Nov-21					
05-5540	Building Management System (BMS)	135	135	30-Nov-21	13-Apr-22	08-Jun-22	20-Oct-22	0%	190		30-Nov-21					
EP_SP_66_12-WP6A-M48.05.02.04 DDA Mechanical Treatment Plant Building (2.4)		210	210	30-Nov-21	27-Jun-22	08-Jan-22	18-Dec-23		539							
05-5160	Architectural Design (2.4.25)	105	105	29-Jan-22*	13-May-22	19-Mar-22	01-Jul-22	0%	49						29-Jan-22*	
05-5170	Foundation design (2.4.13)	135	135	29-Jan-22	12-Jun-22	26-Feb-22	10-Jul-22	0%	28						29-Jan-22	
05-5210	Fire services installation design (2.4.17)	60	60	29-Jan-22	29-Mar-22	24-Mar-22	22-May-22	0%	54						29-Jan-22	
EP_SP_66_12-WP6A-M48.05.02.04.7 Building services design (excluding fire services installation design) (2.4.18)		210	210	30-Nov-21	27-Jun-22	08-Jan-22	18-Dec-23		539							
05-3850	LV and Emergency Power Distribution Design	135	135	30-Nov-21*	13-Apr-22	21-Jun-23	02-Nov-23	0%	568		30-Nov-21*					
05-3860	MVAC	90	90	30-Dec-21	29-Mar-22	05-Aug-23	02-Nov-23	0%	583				30-Dec-21			
05-3870	Odour Control	135	135	13-Feb-22	27-Jun-22	08-May-23	19-Sep-23	0%	449						13-Feb-22	
05-3880	Plumbing	135	135	30-Nov-21	13-Apr-22	09-Jun-23	21-Oct-23	0%	556		30-Nov-21					
05-3890	Drainage	105	105	30-Dec-21	13-Apr-22	09-Jul-23	21-Oct-23	0%	556				30-Dec-21			
05-3900	Lighting and small power	135	135	30-Nov-21	13-Apr-22	21-Jun-23	02-Nov-23	0%	568		30-Nov-21					
05-3910	Lifts and Escalators	75	75	30-Dec-21	14-Mar-22	05-Oct-23	18-Dec-23	0%	644				30-Dec-21			
05-3910-1	Building Management System (BMS)	135	135	30-Dec-21	13-May-22	08-Jan-22	22-May-22	0%	9				30-Dec-21			
EP_SP_66_12-WP6A-M48.05.02.05 DDA Wastewater Treatment Plant (2.5)		135	135	30-Nov-21	13-Apr-22	09-Mar-22	03-Oct-23		538							
05-3940	Structural design (2.5.14)	135	135	30-Nov-21	13-Apr-22	09-Mar-22	21-Jul-22	0%	99		30-Nov-21					
05-3950	Electrical and instrumentation works design (2.5.15)	101	101	30-Nov-21	10-Mar-22	15-Apr-23	24-Jul-23	0%	501		30-Nov-21					
05-3960	Mechanical works design (2.5.16) (2 Packages)	105	105	30-Nov-21	14-Mar-22	11-Apr-23	24-Jul-23	0%	497		30-Nov-21					
05-3970	Fire services installation design (2.5.17) (2 Packages)	60	60	29-Jan-22*	29-Mar-22	24-Mar-22	22-May-22	0%	54						29-Jan-22*	
EP_SP_66_12-WP6A-M48.05.02.05.7 Building services design (excluding fire services installation design) (2.5.18)		135	135	30-Nov-21	13-Apr-22	08-May-23	03-Oct-23		538							
05-3980	LV and Emergency Power Distribution Design for IW MF Waste Water Treatment Plant	135	135	30-Nov-21	13-Apr-22	22-May-23	03-Oct-23	0%	538		30-Nov-21					
05-3990	MVAC	90	90	30-Nov-21	27-Feb-22	22-Jun-23	19-Sep-23	0%	569		30-Nov-21					
05-4010	Plumbing	135	135	30-Nov-21	13-Apr-22	08-May-23	19-Sep-23	0%	524		30-Nov-21					
05-4020	Drainage	105	105	30-Dec-21	13-Apr-22	07-Jul-23	19-Sep-23	0%	524				30-Dec-21			
05-4030	ELV	135	135	30-Nov-21	13-Apr-22	22-May-23	03-Oct-23	0%	538		30-Nov-21					
EP_SP_66_12-WP6A-M48.05.02.06 DDA Water Treatment Plant Building (2.6)		195	195	30-Nov-21	12-Jun-22	26-Feb-22	02-Nov-23		508							
05-4060	Foundation design (2.6.13)	135	135	29-Jan-22	12-Jun-22	26-Feb-22	10-Jul-22	0%	28						29-Jan-22	
05-4070	Structural design (2.6.14)	135	135	29-Jan-22	12-Jun-22	02-Jun-22	14-Oct-22	0%	124						29-Jan-22	
05-4100	Fire services installation design (2.6.17)	60	60	29-Jan-22	29-Mar-22	24-Mar-22	22-May-22	0%	54						29-Jan-22	
EP_SP_66_12-WP6A-M48.05.02.06.7 Building services design (excluding fire services installation design) (2.6.18)		165	165	30-Nov-21	13-May-22	09-Jun-23	02-Nov-23		538							
05-4110	Electrical Services and Lighting	135	135	30-Nov-21	13-Apr-22	21-Jun-23	02-Nov-23	0%	568		30-Nov-21					
05-4140	Plumbing	135	135	30-Nov-21	13-Apr-22	09-Jun-23	21-Oct-23	0%	556		30-Nov-21					
05-4150	Drainage	105	105	29-Jan-22	13-May-22	09-Jul-23	21-Oct-23	0%	526						29-Jan-22	
05-4160	ELV	135	135	30-Nov-21	13-Apr-22	21-Jun-23	02-Nov-23	0%	568		30-Nov-21					
EP_SP_66_12-WP6A-M48.05.02.07 DDA Administration Building (2.7)		165	165	30-Nov-21	13-May-22	24-Mar-22	17-Jan-24		614							
05-4170	Architectural Design (2.7.21)	105	105	29-Jan-22*	13-May-22	26-Nov-22	10-Mar-23	0%	301						29-Jan-22*	
05-4180	Foundation design (2.7.11)	105	105	30-Nov-21	14-Mar-22	05-Jun-22	17-Sep-22	0%	187		30-Nov-21					
05-4190	Structural design (2.7.12)	105	105	29-Jan-22	13-May-22	22-Jul-22	03-Nov-22	0%	174						29-Jan-22	
05-4210	Fire services installation design (2.7.14)	60	60	29-Jan-22	29-Mar-22	24-Mar-22	22-May-22	0%	54						29-Jan-22	
EP_SP_66_12-WP6A-M48.05.02.07.6 Building services design (excluding fire services installation design) (2.7.15)		165	165	30-Nov-21	13-May-22	26-Nov-22	17-Jan-24		614							
05-4220	Electrical Services and Lighting	105	105	30-Nov-21	14-Mar-22	21-Jun-23	03-Oct-23	0%	568		30-Nov-21					
05-4230	MVAC	105	105	29-Jan-22	13-May-22	21-Jun-23	03-Oct-23	0%	508						29-Jan-22	
05-4250	Plumbing	105	105	30-Nov-21	14-Mar-22	21-Jun-23	03-Oct-23	0%	568		30-Nov-21					
05-4260	Drainage	105	105	30-Nov-21	14-Mar-22	21-Jun-23	03-Oct-23	0%	568		30-Nov-21					
05-4270	ELV	105	105	30-Nov-21	14-Mar-22	21-Jun-23	03-Oct-23	0%	568		30-Nov-21					

Programme for Design and Construction Works
 November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022		
											Nov 46	Dec 49	Jan 50	Feb 51	Jan 50	Feb 51	
05-4280	Lifts and Escalators	105	105	29-Jan-22	13-May-22	05-Oct-23	17-Jan-24	0%	614								
05-4280-1	Building Management System (BMS)	105	105	30-Nov-21	14-Mar-22	26-Nov-22	10-Mar-23	0%	361								
EP_SP_66_12-WP6A-M48.05.02.08 DDA IWMF Substation (2.8)		425	249	27-Feb-20 A	05-Aug-22	29-Dec-21	06-Sep-23		397								
05-4290	Architectural Design (2.8.25)	105	105	18-Jun-21 A	07-May-22	19-Feb-22	03-Jun-22	5%	27								
05-4310	Structural design (2.8.14)	195	134	27-Feb-20 A	05-Aug-22	21-Apr-22	01-Sep-22	65%	27								
05-4320	Electrical and instrumentation works design (2.8.15)	75	75	30-Nov-21	12-Feb-22	24-Jun-23	06-Sep-23	0%	571								
05-4340	Fire services installation design (2.8.17)	60	60	14-Dec-21	11-Feb-22	24-Mar-22	22-May-22	0%	100								
EP_SP_66_12-WP6A-M48.05.02.08.7 Building services design (excluding fire services installation design) (2.8.18)		135	135	30-Nov-21	13-Apr-22	29-Dec-21	25-May-23		407								
05-4990	Electrical Services and Lighting	135	135	30-Nov-21	13-Apr-22	23-Oct-22	06-Mar-23	0%	327								
05-5000	MVAC	90	90	30-Nov-21	27-Feb-22	07-Dec-22	06-Mar-23	0%	372								
05-5010	Plumbing	135	135	30-Nov-21	13-Apr-22	11-Jan-23	25-May-23	0%	407								
05-5020	Drainage	105	105	30-Nov-21	14-Mar-22	10-Feb-23	25-May-23	0%	437								
05-5030	ELV	135	135	30-Nov-21	13-Apr-22	23-Oct-22	06-Mar-23	0%	327								
05-5030-1	Building Management System (BMS)	105	105	30-Nov-21	14-Mar-22	29-Dec-21	12-Apr-22	0%	29								
EP_SP_66_12-WP6A-M48.05.02.1 DDA Chimney		90	90	18-Jan-22	17-Apr-22	09-Aug-23	22-Nov-23		584								
EP_SP_66_12-WP6A-M48.05.02.1.1 Building services design (excluding fire services installation design)		90	90	18-Jan-22	17-Apr-22	09-Aug-23	22-Nov-23		584								
05-6000-1(5a)	Electrical Services and Lighting	90	90	18-Jan-22	17-Apr-22	09-Aug-23	06-Nov-23	0%	568								
05-6010(5a)	MVAC	90	90	18-Jan-22	17-Apr-22	25-Aug-23	22-Nov-23	0%	584								
05-6020-1(5a)	Plumbing	90	90	18-Jan-22	17-Apr-22	25-Aug-23	22-Nov-23	0%	584								
05-6030-1(5a)	Drainage	90	90	18-Jan-22	17-Apr-22	25-Aug-23	22-Nov-23	0%	584								
05-6040-1(5a)	ELV	90	90	18-Jan-22	17-Apr-22	09-Aug-23	06-Nov-23	0%	568								
EP_SP_66_12-WP6A-M48.05.02.4 DDA Elevated Drive Way and Associated Structures Foundation		135	135	30-Nov-21	13-Apr-22	09-May-22	20-Sep-22		160								
EP_SP_66_12-WP6A-M48.05.02.4.1 Building services design (excluding fire services installation design)		135	135	30-Nov-21	13-Apr-22	09-May-22	20-Sep-22		160								
05-5560	Building Management System (BMS)	135	135	30-Nov-21	13-Apr-22	09-May-22	20-Sep-22	0%	160								
EP_SP_66_12-WP6A-M48.05.02.5 DDA Reception Pavilion		0	0	30-Nov-21	30-Nov-21	07-Nov-22	07-Nov-22		343								
EP_SP_66_12-WP6A-M48.05.02.5.1 Building services design (excluding fire services installation design)		0	0	30-Nov-21	30-Nov-21	07-Nov-22	07-Nov-22		343								
05-2130-1	Building Management System (BMS)	0	0	30-Nov-21	30-Nov-21	07-Nov-22	07-Nov-22	0%	343								
EP_SP_66_12-WP6A-M48.05.02.6 DDA CCCW Building		135	135	30-Nov-21	13-Apr-22	11-Aug-22	23-Dec-22		254								
EP_SP_66_12-WP6A-M48.05.02.6.1 Building services design (excluding fire services installation design)		135	135	30-Nov-21	13-Apr-22	11-Aug-22	23-Dec-22		254								
05-2130-2	Building Management System (BMS)	135	135	30-Nov-21	13-Apr-22	11-Aug-22	23-Dec-22	0%	254								
EP_SP_66_12-WP6A-M48.05.02.09 DDA Air Quality Monitoring Stations (2.9)		105	105	29-Jan-22	13-May-22	27-Feb-22	11-Jun-22		29								
05-4490	Design of the Air Quality Monitoring Stations (2.9.03)	105	105	29-Jan-22	13-May-22	27-Feb-22	11-Jun-22	0%	29								
EP_SP_66_12-WP6A-M48.05.02.10 DDA Roads and Utilities (2.10)		378	195	30-Aug-19 A	12-Jun-22	02-Feb-22	05-Jan-24		572								
EP_SP_66_12-WP6A-M48.05.02.10.1 Permanent road works layout on the Artificial Island (2.10.13)		135	135	11-Dec-21	24-Apr-22	26-Apr-23	05-Jan-24		621								
05-4470	Roads and hardstandings layout	135	135	11-Dec-21	24-Apr-22	26-Apr-23	07-Sep-23	0%	501								
05-4480	Road signage and markings	135	135	11-Dec-21	24-Apr-22	24-Aug-23	05-Jan-24	0%	621								
EP_SP_66_12-WP6A-M48.05.02.10.2 Sewerage design on the Artificial Island (2.10.14)		135	135	11-Dec-21	24-Apr-22	30-Oct-22	26-Jul-23		458								
05-4430	Foul Sewerage	135	135	11-Dec-21	24-Apr-22	14-Mar-23	26-Jul-23	0%	458								
05-4440	Contaminated Sewerage	135	135	11-Dec-21	24-Apr-22	30-Oct-22	13-Mar-23	0%	323								
EP_SP_66_12-WP6A-M48.05.02.10.3 Drainage system design on the Artificial Island (2.10.15)		105	105	11-Dec-21	25-Mar-22	02-Feb-22	13-Mar-23		353								
05-5310	Surface water Drainage System	105	105	11-Dec-21	25-Mar-22	29-Nov-22	13-Mar-23	0%	353								
05-5320	First Flush Drainage System concept	105	105	11-Dec-21	25-Mar-22	02-Feb-22	17-May-22	0%	53								
EP_SP_66_12-WP6A-M48.05.02.10.4 Water supply system design on the Artificial Island (2.10.16)		348	165	30-Aug-19 A	13-May-22	11-May-22	07-Sep-23		482								
05-5250	Potable Water Distribution System	135	135	30-Nov-21	13-Apr-22	11-May-22	22-Sep-22	0%	162								
05-5260	Recycled Water System	135	135	30-Nov-21	13-Apr-22	11-May-22	22-Sep-22	0%	162								
05-5270	Irrigation System	135	135	30-Nov-21	13-Apr-22	28-Oct-22	11-Mar-23	0%	332								
05-5280	Rainwater harvesting System	135	135	30-Nov-21	13-Apr-22	28-Oct-22	11-Mar-23	0%	332								
05-5300-1(M24)	E&M system for seawater intake (2.10.16.07)	135	135	30-Aug-19 A	13-Apr-22	26-Apr-23	07-Sep-23	5%	512								
05-5300-2(M24)	Building Services system for seawater intake (2.10.16.09)	135	135	30-Dec-21	13-May-22	26-Apr-23	07-Sep-23	0%	482								

Programme for Design and Construction Works
November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022							
											Nov 46	Dec 49	Jan 50	Feb 51	Nov 46	Dec 49	Jan 50	Feb 51				
EP_SP_66_12-WP6A-M48.05.02.10.6 Design of telecommunication and other utilities (2.10.18)																						
05-3400 (M21)	Computerised Maintenance Management System (CMMS)	90	90	30-Nov-21	27-Feb-22	23-Feb-22	23-May-22	0%	85													
05-3410 (M21)	Information and Document Management System (IDMS)	90	90	30-Nov-21	27-Feb-22	23-Feb-22	23-May-22	0%	85													
05-4580	Power Distribution System concept / schematics	75	75	29-Jan-22	13-Apr-22	24-Aug-23	06-Nov-23	0%	572													
05-4590	Site Lighting Concept / Schematics	135	135	30-Nov-21	13-Apr-22	26-Apr-23	07-Sep-23	0%	512													
05-4600	Lightning Protection System concept / schematics	135	135	30-Nov-21	13-Apr-22	25-Jun-23	06-Nov-23	0%	572													
05-4610	Site ELV Network System - Communications System concept / schematics	75	75	29-Jan-22	13-Apr-22	24-Aug-23	06-Nov-23	0%	572													
05-4620	Site ELV Network System - Security Systems concept / schematics	75	75	29-Jan-22	13-Apr-22	24-Aug-23	06-Nov-23	0%	572													
05-4640	Microwave transmission of FS direct link	135	135	30-Dec-21	13-May-22	25-Jun-23	06-Nov-23	0%	542													
05-4650	Fuel Handling System concept / schematics	135	135	15-Jan-22	29-May-22	16-Jan-23	30-May-23	0%	366													
EP_SP_66_12-WP6A-M48.05.02.10.7 Utility ducts/Pipebridges design (2.10.26)																						
05-5040	Design of Pipe / Utilities Trenches concept	135	135	29-Jan-22	12-Jun-22	12-Nov-22	26-Mar-23	0%	287													
05-5050	Sitewide Utilities Trenches Design	135	135	29-Jan-22	12-Jun-22	12-Nov-22	26-Mar-23	0%	287													
EP_SP_66_12-WP6A-M48.05.02.10.7.3 Layout Plan for Pipe Bridge Network																						
05-7000	Pipebridge A (Prefab. 3)	135	85	09-Oct-20 A	22-Feb-22	16-Apr-22	09-Jul-22	5%	137													
05-7010	Pipebridge B	135	135	29-Jan-22	12-Jun-22	25-Feb-22	09-Jul-22	0%	27													
05-7020	Pipebridge C	135	135	29-Jan-22	12-Jun-22	25-Feb-22	09-Jul-22	0%	27													
EP_SP_66_12-WP6A-M48.05.02.10.7.1 Foundaion Plan for Pipe Bridge Network																						
05-7030	Pipebridge A (Prefab. 3)	135	85	09-Oct-20 A	22-Feb-22	16-Apr-22	09-Jul-22	5%	137													
05-7040	Pipebridge B	135	135	30-Nov-21	13-Apr-22	09-Feb-22	23-Jun-22	5%	71													
05-7050	Pipebridge C	135	135	30-Nov-21	13-Apr-22	16-Feb-22	30-Jun-22	5%	78													
EP_SP_66_12-WP6A-M48.05.02.10.7.2 Structure Plan for Pipe Bridge Network																						
05-7060	Pipebridge A (Prefab. 3)	135	85	09-Oct-20 A	22-Feb-22	16-Apr-22	09-Jul-22	5%	137													
05-7070	Pipebridge B	135	30	28-Aug-20 A	29-Dec-21	10-Jun-22	09-Jul-22	5%	192													
05-7080	Pipebridge C	135	30	28-Aug-20 A	29-Dec-21	10-Jun-22	09-Jul-22	5%	192													
EP_SP_66_12-WP6A-M48.05.02.11 DDA Architectural, Finishes and Landscaping Works (2.11)																						
EP_SP_66_12-WP6A-M48.05.02.11.1 External and internal finishes design																						
05-4670	External and internal finishes design for Incineration Plant Building (2.11.15)	105	105	30-Dec-21	13-May-22	03-Jan-22	06-May-23	0%	4													
05-4690	External and internal finishes design for Turbine Hall Building	105	105	29-Jan-22*	13-May-22	27-Jun-22	09-Oct-22	0%	149													
05-4700	External and internal finishes design for CCCW Building	105	105	29-Jan-22*	13-May-22	11-Apr-22	24-Jul-22	0%	72													
05-4710	External and internal finishes design for Chimney	105	105	14-Jan-22	28-Apr-22	22-Dec-22	05-Apr-23	0%	342													
05-4720	External and internal finishes design for Reception Pavilion	105	105	29-Jan-22*	13-May-22	22-Jan-23	06-May-23	0%	358													
05-4730	External and internal finishes design for MT Plant Building (2.11.16)	105	105	29-Jan-22	13-May-22	05-Jul-22	17-Oct-22	0%	157													
05-4740	External and internal finishes design for the Wastewater Treatment Plant (2.11.17)	105	105	29-Jan-22	13-May-22	08-Apr-22	21-Jul-22	0%	69													
05-4750	External and internal finishes design for the Water Treatment Plant Building (2.11.08)	105	105	29-Jan-22	13-May-22	15-Apr-22	28-Jul-22	0%	76													
05-4760	External and internal finishes design for the Administration Building (2.11.19)	105	105	29-Jan-22	13-May-22	22-Jul-22	03-Nov-22	0%	174													
05-4770	External and internal finishes design for the IWMF Substation (2.11.20)	105	105	30-Dec-21	13-Apr-22	20-May-22	01-Sep-22	0%	141													
05-5420	External and internal finishes design for Elevated Driveway	105	105	29-Jan-22	13-May-22	12-Jul-22	24-Oct-22	0%	164													
EP_SP_66_12-WP6A-M48.05.02.11.7 Landscape masterplan (2.11.21)																						
05-4780-2(6C)	Reception Pavilion (2.11.07.06)	105	105	29-Jan-22	13-May-22	22-Nov-23	05-Mar-24	0%	662													
EP_SP_66_12-WP6A-M48.05.02.11.8 Architectural Detailing - Site Wide (2.11.30)																						
05-4800	Architectural Detailing - Site Wide Concept (Combined with 05-6090(M42))	105	60	28-Apr-21 A	07-May-22	07-Apr-22	05-Jun-22	5%	29													
EP_SP_66_12-WP6A-M48.05.02.11.10 Facade Structural Design																						
05-8000(M45)	Facade structural design for Chimney	90	90	01-Jun-21 A	27-Feb-22	06-Feb-22	11-Jun-22	5%	68													
05-8010(M45)	Facade structural design for IWMF Sub-station	90	90	03-Jun-21 A	27-Feb-22	14-Mar-22	11-Jun-22	5%	104													
EP_SP_66_12-WP6A-M48.05.02.12 DDA Testing and Commissioning (2.12)																						
05-4810-1(5a)	Factory Acceptance Testing plan (2.12.09.02-07) (8 Packages)	105	105	29-Jan-22	13-May-22	28-Aug-22	10-Dec-22	0%	211													

Programme for Design and Construction Works
 November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022		
											Nov 46	Dec 49	Jan 50	Feb 51			
EP_SP_66_12-WP6A-M48.05.02.13 DDA Transportation Facilities for the Operation (2.13)																	
05-4850	Design of vehicles for MSW and Ash and Residues delivery (2.13.05)	325	325	29-Jan-22	19-Dec-22	10-Aug-23	29-Jun-24	0%	558							29-Jan-22	
05-4860	Design of marine vessels for the use of the Employer and visitors (2.13.06)	440	440	29-Jan-22	13-Apr-23	18-Oct-23	30-Dec-24	0%	627							29-Jan-22	
EP_SP_66_12-WP6A-M48.05.02.14 DDA Miscellaneous Works (2.14)																	
05-4880	Design of visitors and environmental education facilities (2.14.06)	450	450	13-Feb-22	08-May-23	25-Apr-23	17-Jul-24	0%	436							13-Feb-22	
EP_SP_66_12-WP6A-M48.05.02.16 DDA Auxiliary Plant Systems (2.16)																	
05-4940-1(5a)	IWMF Laboratory (2.16.08)	135	135	29-Jan-22	12-Jun-22	29-Jul-22	10-Dec-22	0%	181							29-Jan-22	
05-4940-2(5a)	hoisting systems (2.16.10)	135	135	30-Dec-21	13-May-22	24-Jan-22	07-Jun-22	0%	25							30-Dec-21	
EP_SP_66_12-WP6A-M48.06 Procurement of Major Equipment																	
EP_SP_66_12-WP6A-M48.06.1 Off-site Fabrication of Incineration Modules																	
EP_SP_66_12-WP6A-M48.06.1.25 Material Procurement																	
06-1000-1(1)	Mechanical Equipment Material Submission and Approval	180	60	09-Jul-18 A	28-Jan-22	27-Apr-22	25-Jun-22	58%	148							28-Jan-22, Mechanical Equipment	
06-1000-2(1)	Pipe Material Submission and Approval	180	60	29-Oct-19 A	28-Jan-22	27-Apr-22	25-Jun-22	58%	148							28-Jan-22, Pipe Material Submis	
06-1000-3(1)	Electrical and Instrumentation Material Submission and Approval	180	60	29-Oct-19 A	28-Jan-22	27-Apr-22	25-Jun-22	58%	148							28-Jan-22, Electrical and Instrum	
06-1010-1(1)	Mechanical Equipment Procurement (incl. FAT)	90	60	29-Jun-18 A	28-Apr-22	26-Jul-22	23-Sep-22	33.33%	148	Added FF+60 to 06-3010-1(6)							
06-1010-2(1)	Pipe Material Procurement (incl. FAT)	90	60	29-Oct-19 A	28-Apr-22	26-Jul-22	23-Sep-22	33.33%	148	Added FF+60 to 06-3025(6)							
06-1010-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)	90	60	29-Oct-19 A	28-Apr-22	26-Jul-22	23-Sep-22	33.33%	148	Added FF+60 to 06-3030-1(6)							
EP_SP_66_12-WP6A-M48.06.1.26 Fabrication of Module (TPU)																	
EP_SP_66_12-WP6A-M48.06.1.26.1 Process Island Furnace Boiler line 1																	
06-2010(6)	Process Island Furnace Boiler Line 1 Structure Cutting, Painting & Fabrication	370	114	18-Sep-20 A	23-Mar-22	05-Oct-21	26-Jan-22	69.19%	-56								
06-2020(6)	Process Island Furnace Boiler Line 1 Structure Erection	476	307	15-Jan-21 A	02-Oct-22	05-Oct-21	07-Aug-22	35.5%	-56								
06-2030(6)	Process Island Furnace Boiler Line 1 Mechanical Fabrication	300	65	18-Sep-20 A	02-Feb-22	05-Oct-21	08-Dec-21	78.33%	-56							Process Island Furnace Bo	
06-2030-1(6)	Process Island Furnace Boiler Line 1 Mechanical Erection	277	277	30-Nov-21	02-Sep-22	05-Oct-21	08-Jul-22	0%	-56							30-Nov-21	
06-2040(6)	Process Island Furnace Boiler Line 1 Piping Fabrication	350	207	09-Mar-21 A	24-Jun-22	05-Oct-21	29-Apr-22	40.86%	-56								
06-2050(6)	Process Island Furnace Boiler Line 1 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	18-Jan-22	16-Jul-22	0%	49							30-Nov-21	
06-2050-1(6)	Process Island Furnace Boiler Line 1 Electrical & Instrumentation installation	190	190	12-Jan-22	20-Jul-22	02-Mar-22	07-Sep-22	0%	49							12-Jan-22	
EP_SP_66_12-WP6A-M48.06.1.26.2 Process Island Furnace Boiler line 2																	
06-2100(6)	Process Island Furnace Boiler Line 2 Structure Cutting, Painting & Fabrication	370	139	30-Oct-20 A	17-Apr-22	03-Apr-22	19-Aug-22	62.43%	124								
06-2110(6)	Process Island Furnace Boiler Line 2 Structure Erection	437	314	11-Oct-21 A	09-Oct-22	10-Oct-21	19-Aug-22	28.15%	-51								
06-2120(6)	Process Island Furnace Boiler Line 2 Mechanical Fabrication	270	73	18-Sep-20 A	10-Feb-22	10-Oct-21	21-Dec-21	72.96%	-51							Process Island Fu	
06-2120-1(6)	Process Island Furnace Boiler Line 2 Mechanical Erection	259	259	21-Dec-21	05-Sep-22	31-Oct-21	16-Jul-22	0%	-51							21-Dec-21	
06-2130(6)	Process Island Furnace Boiler Line 2 Piping Fabrication	350	85	09-Mar-21 A	22-Feb-22	10-Oct-21	02-Jan-22	75.71%	-51							Prod	
06-2140(6)	Process Island Furnace Boiler Line 2 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	12-Jan-22	10-Jul-22	0%	43							30-Nov-21	
06-2140-1(6)	Process Island Furnace Boiler Line 2 Electrical & Instrumentation installation	180	180	04-Feb-22	02-Aug-22	19-Mar-22	14-Sep-22	0%	43							04-Feb-22	
EP_SP_66_12-WP6A-M48.06.1.26.3 Process Island Furnace Boiler line 3																	
06-2190(6)	Process Island Furnace Boiler Line 3 Structure Cutting, Painting & Fabrication	264	139	10-Dec-20 A	17-Apr-22	19-May-22	04-Oct-22	47.35%	170								
06-2200-1(6)	Process Island Furnace Boiler Line 3 Structure Erection	429	314	15-Oct-21 A	09-Oct-22	25-Nov-21	04-Oct-22	26.81%	-5								
06-2210-1(6)	Process Island Furnace Boiler Line 3 Mechanical Fabrication	270	73	18-Sep-20 A	10-Feb-22	25-Nov-21	05-Feb-22	72.96%	-5							Process Island Fu	
06-2215-1(6)	Process Island Furnace Boiler Line 3 Mechanical Erection	265	265	19-Dec-21	09-Sep-22	14-Dec-21	04-Sep-22	0%	-5							19-Dec-21	
06-2220-1(6)	Process Island Furnace Boiler Line 3 Piping Fabrication	350	176	09-Mar-21 A	24-May-22	25-Nov-21	19-May-22	49.71%	-5								
06-2230-1(6)	Process Island Furnace Boiler Line 3 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	05-Jan-22	03-Jul-22	0%	36							30-Nov-21	
06-2235-1(6)	Process Island Furnace Boiler Line 3 Electrical & Instrumentation installation	190	190	17-Feb-22	25-Aug-22	25-Mar-22	30-Sep-22	0%	36							17-Feb-22	
EP_SP_66_12-WP6A-M48.06.1.26.4 Process Island Furnace Boiler line 4																	
06-2280(6)	Process Island Furnace Boiler Line 4 Structure Cutting, Painting & Fabrication	370	152	08-Jan-21 A	30-Apr-22	21-Nov-21	21-Apr-22	58.92%	-9								
06-2290-1(6)	Process Island Furnace Boiler Line 4 Structure Erection	485	336	05-Nov-21 A	31-Oct-22	17-Nov-21	18-Oct-22	30.72%	-13								
06-2300-1(6)	Process Island Furnace Boiler Line 4 Mechanical Fabrication	270	123	18-Sep-20 A	01-Apr-22	17-Nov-21	19-Mar-22	54.44%	-13								
06-2305-1(6)	Process Island Furnace Boiler Line 4 Mechanical Erection	267	267	08-Jan-22	01-Oct-22	26-Dec-21	18-Sep-22	0%	-13							08-Jan-22	

Programme for Design and Construction Works
 November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022				
											Nov 46	Dec 49	Jan 50	Feb 51	Jan 50	Feb 51	Mar 52	Apr 53	
06-2310-1(6)	Process Island Furnace Boiler Line 4 Piping Fabrication	350	190	23-Mar-21 A	07-Jun-22	17-Nov-21	25-May-22	45.71%	-13										
06-2320-1(6)	Process Island Furnace Boiler Line 4 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	14-Feb-22	12-Aug-22	0%	76										
06-2325-1(6)	Process Island Furnace Boiler Line 4 Electrical & Instrumentation installation	190	190	27-Feb-22	04-Sep-22	14-May-22	19-Nov-22	0%	76										
EP_SP_66_12-WP6A-M48.06.1.26.5 Process Island Furnace Boiler line 5		686	372	18-Sep-20 A	06-Dec-22	20-Nov-21	26-Nov-22		-10										
06-2370(6)	Process Island Furnace Boiler Line 5 Structure Cutting, Painting & Fabrication	370	228	03-Feb-21 A	15-Jul-22	13-Apr-22	26-Nov-22	38.38%	134										
06-2380(6)	Process Island Furnace Boiler Line 5 Structure Erection	392	372	10-Nov-21 A	06-Dec-22	20-Nov-21	26-Nov-22	5.1%	-10										
06-2390(6)	Process Island Furnace Boiler Line 5 Mechanical Fabrication	270	122	18-Sep-20 A	31-Mar-22	20-Nov-21	21-Mar-22	54.81%	-10										
06-2390-1(6)	Process Island Furnace Boiler Line 5 Mechanical Erection	298	298	22-Jan-22	15-Nov-22	12-Jan-22	05-Nov-22	0%	-10										
06-2400-1(6)	Process Island Furnace Boiler Line 5 Piping Fabrication	350	190	23-Mar-21 A	07-Jun-22	20-Nov-21	28-May-22	45.71%	-10										
06-2410-1(6)	Process Island Furnace Boiler Line 5 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	22-Feb-22	20-Aug-22	0%	84										
EP_SP_66_12-WP6A-M48.06.1.26.6 Process Island Furnace Boiler line 6		707	341	18-Sep-20 A	05-Nov-22	28-Dec-21	25-Feb-23		112										
06-2460(6)	Process Island Furnace Boiler Line 6 Structure Cutting, Painting & Fabrication	370	67	18-Sep-20 A	04-Feb-22	14-May-22	19-Jul-22	81.89%	165										
06-2470(6)	Process Island Furnace Boiler Line 6 Structure Erection	462	341	11-Oct-21 A	05-Nov-22	28-Dec-21	03-Dec-22	26.19%	28										
06-2480(6)	Process Island Furnace Boiler Line 6 Mechanical Fabrication	288	288	01-Jan-22*	15-Oct-22	14-May-22	25-Feb-23	0%	133										
06-2480-1(6)	Process Island Furnace Boiler Line 6 Mechanical Erection	320	90	18-Sep-20 A	27-Feb-22	29-Jan-22	28-Apr-22	71.88%	60										
06-2490(6)	Process Island Furnace Boiler Line 6 Piping Fabrication	350	175	10-Feb-21 A	23-May-22	29-Jan-22	22-Jul-22	50%	60										
06-2500(6)	Process Island Furnace Boiler Line 6 Electrical & Instrumentation Fabrication	200	200	30-Nov-21	17-Jun-22	05-Mar-22	20-Sep-22	0%	95										
EP_SP_66_12-WP6A-M48.06.1.7 Fabrication of Module (FGC)		702	367	11-Dec-20 A	01-Dec-22	07-Oct-21	25-Feb-23		86										
EP_SP_66_12-WP6A-M48.06.1.7.1 Process Island FGC line 1		649	339	21-Dec-20 A	03-Nov-22	07-Oct-21	07-Oct-22		-27										
06-2000(6)	Process Island FGC Line 1 Structure Cutting, Painting & Fabrication	274	200	23-Feb-21 A	17-Jun-22	23-Feb-22	10-Sep-22	27.01%	85										
06-2550(6)	Process Island FGC Line 1 Structure Erection	474	339	01-Apr-21 A	03-Nov-22	07-Oct-21	10-Sep-22	28.48%	-54										
06-2560(6)	Process Island FGC Line 1 Mechanical Fabrication	270	17	21-Dec-20 A	16-Dec-21	07-Oct-21	23-Oct-21	93.7%	-54										
06-2560-1(6)	Process Island FGC Line 1 Mechanical Erection	230	230	14-Feb-22	01-Oct-22	22-Dec-21	08-Aug-22	0%	-54										
06-2570(6)	Process Island FGC Line 1 Piping Fabrication	350	195	29-May-21 A	12-Jun-22	07-Oct-21	19-Apr-22	44.29%	-54										
06-2580(6)	Process Island FGC Line 1 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	20-Jan-22	18-Jul-22	0%	51										
06-2580-1(6)	Process Island FGC Line 1 Electrical & Instrumentation installation	180	180	19-Feb-22	17-Aug-22	11-Apr-22	07-Oct-22	0%	51										
EP_SP_66_12-WP6A-M48.06.1.7.2 Process Island FGC line 2		594	322	05-Jan-21 A	17-Oct-22	29-Oct-21	22-Oct-22		5										
06-2630(6)	Process Island FGC Line 2 Structure Cutting, Painting & Fabrication	345	188	16-Feb-21 A	05-Jun-22	12-Mar-22	15-Sep-22	45.51%	102										
06-2640(6)	Process Island FGC Line 2 Structure Erection	441	322	01-Apr-21 A	17-Oct-22	29-Oct-21	15-Sep-22	26.98%	-32										
06-2650(6)	Process Island FGC Line 2 Mechanical Fabrication	270	121	05-Jan-21 A	30-Mar-22	29-Oct-21	26-Feb-22	55.19%	-32										
06-2650-1(6)	Process Island FGC Line 2 Mechanical Erection	230	230	30-Jan-22	16-Sep-22	29-Dec-21	15-Aug-22	0%	-32										
06-2660(6)	Process Island FGC Line 2 Piping Fabrication	350	262	03-Jun-21 A	18-Aug-22	29-Oct-21	17-Jul-22	25.14%	-32										
06-2670(6)	Process Island FGC Line 2 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	11-Feb-22	09-Aug-22	0%	73										
06-2670-1(6)	Process Island FGC Line 2 Electrical & Instrumentation installation	175	175	17-Feb-22	10-Aug-22	01-May-22	22-Oct-22	0%	73										
EP_SP_66_12-WP6A-M48.06.1.7.3 Process Island FGC line 3		647	367	11-Dec-20 A	01-Dec-22	29-Oct-21	30-Oct-22		-32										
06-2720(6)	Process Island FGC Line 3 Structure Cutting, Painting & Fabrication	345	140	11-Dec-20 A	18-Apr-22	13-Jun-22	30-Oct-22	59.42%	195										
06-2730(6)	Process Island FGC Line 3 Structure Erection	494	367	01-May-21 A	01-Dec-22	29-Oct-21	30-Oct-22	25.71%	-32										
06-2740(6)	Process Island FGC Line 3 Mechanical Fabrication	270	91	05-Jan-21 A	28-Feb-22	29-Oct-21	27-Jan-22	66.3%	-32										
06-2750(6)	Process Island FGC Line 3 Piping Fabrication	350	262	03-Jun-21 A	18-Aug-22	29-Oct-21	17-Jul-22	25.14%	-32										
06-2760(6)	Process Island FGC Line 3 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	12-Feb-22	10-Aug-22	0%	74										
EP_SP_66_12-WP6A-M48.06.1.7.4 Process Island FGC line 4		647	308	05-Jan-21 A	03-Oct-22	03-Jan-22	30-Dec-22		88										
06-2810(6)	Process Island FGC Line 4 Structure Cutting, Painting & Fabrication	345	207	15-Apr-21 A	24-Jun-22	14-Apr-22	06-Nov-22	40%	135										
06-2820(6)	Process Island FGC Line 4 Structure Erection	494	308	10-May-21 A	03-Oct-22	03-Jan-22	06-Nov-22	37.65%	34										
06-2830(6)	Process Island FGC Line 4 Mechanical Fabrication	270	151	05-Jan-21 A	29-Apr-22	03-Jan-22	02-Jun-22	44.07%	34										
06-2830-1(6)	Process Island FGC Line 4 Mechanical Erection	250	250	07-Dec-21	13-Aug-22	10-Jan-22	16-Sep-22	0%	34										







Programme for Design and Construction Works
November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022	
											Nov 46	Dec 49	Jan 50	Feb 51	Jan 50	Feb 51
06-2840(6)	Process Island FGC Line 4 Piping Fabrication	350	289	09-Jun-21 A	14-Sep-22	03-Jan-22	18-Oct-22	17.43%	34							
06-2850(6)	Process Island FGC Line 4 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	06-Mar-22	01-Sep-22	0%	96							
06-2850-1(6)	Process Island FGC Line 4 Electrical & Instrumentation installation	300	300	30-Nov-21	25-Sep-22	06-Mar-22	30-Dec-22	0%	96							
EP_SP_66_12-WP6A-M48.06.1.7.5 Process Island FGC line 5		486	329	05-Jan-21 A	24-Oct-22	20-Feb-22	14-Jan-23		82							
06-2900(6)	Process Island FGC Line 5 Structure Cutting, Painting & Fabrication	345	239	01-May-21 A	26-Jul-22	21-May-22	14-Jan-23	30.72%	172							
06-2910(6)	Process Island FGC Line 5 Structure Erection	455	329	11-Oct-21 A	24-Oct-22	20-Feb-22	14-Jan-23	27.69%	82							
06-2920(6)	Process Island FGC Line 5 Mechanical Fabrication	270	181	05-Jan-21 A	29-May-22	20-Feb-22	19-Aug-22	32.96%	82							
06-2920-1(6)	Process Island FGC Line 5 Mechanical Erection	260	260	29-Dec-21	14-Sep-22	21-Mar-22	05-Dec-22	0%	82							
06-2930(6)	Process Island FGC Line 5 Piping Fabrication	350	319	18-Jun-21 A	14-Oct-22	20-Feb-22	04-Jan-23	8.86%	82							
06-2940(6)	Process Island FGC Line 5 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	07-Apr-22	03-Oct-22	0%	128							
EP_SP_66_12-WP6A-M48.06.1.7.6 Process Island FGC line 6		549	320	05-Jan-21 A	15-Oct-22	27-Feb-22	25-Feb-23		133							
06-2990(6)	Process Island FGC Line 6 Structure Cutting, Painting & Fabrication	345	239	05-May-21 A	26-Jul-22	19-May-22	12-Jan-23	30.72%	170							
06-3000(6)	Process Island FGC Line 6 Structure Erection	427	320	07-Oct-21 A	15-Oct-22	27-Feb-22	12-Jan-23	25.06%	89							
06-3010(6)	Process Island FGC Line 6 Mechanical Fabrication	270	191	05-Jan-21 A	08-Jun-22	27-Feb-22	05-Sep-22	29.26%	89							
06-3010-1(6)	Process Island FGC Line 6 Mechanical Erection	256	256	02-Jan-22	14-Sep-22	01-Apr-22	12-Dec-22	0%	89							
06-3020(6)	Process Island FGC Line 6 Piping Fabrication	180	180	30-Nov-21	28-May-22	27-Feb-22	25-Aug-22	0%	89							
06-3030(6)	Process Island FGC Line 6 Electrical & Instrumentation Fabrication	180	180	30-Nov-21	28-May-22	18-Jun-22	14-Dec-22	0%	200							
06-3030-1(6)	Process Island FGC Line 6 Electrical & Instrumentation installation	190	190	01-Feb-22	09-Aug-22	20-Aug-22	25-Feb-23	0%	200							
EP_SP_66_12-WP6A-M48.06.2 Off-site Fabrication of Turbine Modules		995	475	01-Mar-18 A	20-Mar-23	04-Dec-21	26-Jun-23		99							
EP_SP_66_12-WP6A-M48.06.2.1 Material Procurement		546	180	01-Mar-18 A	28-May-22	09-May-22	04-Mar-23		280							
06-1050-2(1)	Pipe Material Submission and Approval	90	60	01-Mar-18 A	28-Jan-22	09-May-22	07-Jul-22	33.33%	160							
06-1050-3(1)	Electrical and Instrumentation Material Submission and Approval	90	60	18-Jun-18 A	28-Jan-22	05-Nov-22	03-Jan-23	33.33%	340							
06-1060-1(1)	Mechanical Equipment Procurement (Incl. FAT)	380	60	18-Jun-18 A	29-Mar-22	08-Jul-22	05-Sep-22	84.21%	160							
06-1060-2(1)	Pipe Material Procurement (Incl. FAT)	180	60	29-Mar-20 A	29-Mar-22	08-Jul-22	05-Sep-22	66.67%	160							
06-1060-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)	365	55	29-Mar-20 A	28-May-22	09-Jan-23	04-Mar-23	84.93%	280							
EP_SP_66_12-WP6A-M48.06.2.2 Fabrication of Module (Power Island)		600	475	26-Jul-21 A	20-Mar-23	04-Dec-21	26-Jun-23		99							
EP_SP_66_12-WP6A-M48.06.2.2.1 Turbine Module 1		548	456	26-Jul-21 A	28-Feb-23	04-Dec-21	04-Mar-23		4							
06-4000(6)	Turbine Module 1 - Structure Cutting, Painting, Pre-assembly & Erection	480	456	26-Jul-21 A	28-Feb-23	04-Dec-21	04-Mar-23	5%	4							
06-4010(6)	Turbine Module 1 - Steam Turbine 1 Fabrication	450	428	26-Jul-21 A	28-Feb-23	01-Jan-22	04-Mar-23	5%	4							
06-4020(6)	Turbine Module 1 - Generator & Equipment Installation	450	428	31-Aug-21 A	31-Jan-23	01-Jan-22	04-Mar-23	5%	33							
06-4040(6)	Turbine Module 1 - TBS Tower 1 Fabrication & installation	330	300	27-Aug-21 A	31-Jan-23	08-May-22	04-Mar-23	9%	33							
EP_SP_66_12-WP6A-M48.06.2.2.2 Turbine Module 2		480	475	26-Jul-21 A	20-Mar-23	05-Feb-22	26-May-23		68							
06-4200(6)	Turbine Module 2 - Structure Cutting, Painting, Pre-assembly & Erection	480	475	26-Jul-21 A	20-Mar-23	05-Feb-22	26-May-23	1%	68							
06-4210(6)	Turbine Module 2 - Steam Turbine 2 Fabrication	450	446	26-Jul-21 A	20-Mar-23	07-Mar-22	26-May-23	1%	68							
06-4220(6)	Turbine Module 2 - Generator & Equipment Installation	450	428	07-Sep-21 A	31-Jan-23	25-Mar-22	26-May-23	5%	116							
06-4240(6)	Turbine Module 2 - TBS Tower 2 Fabrication & installation	330	300	06-Sep-21 A	31-Jan-23	30-Jul-22	26-May-23	9%	116							
EP_SP_66_12-WP6A-M48.06.2.2.3 Turbine Module 3		480	475	26-Jul-21 A	20-Mar-23	08-Mar-22	26-Jun-23		99							
06-4400(6)	Turbine Module 3 - Structure Cutting, Painting, Pre-assembly & Erection	480	475	26-Jul-21 A	20-Mar-23	08-Mar-22	26-Jun-23	1%	99							
06-4410(6)	Turbine Module 3 - Steam Turbine 3 Fabrication	450	446	26-Jul-21 A	20-Mar-23	07-Apr-22	26-Jun-23	1%	99							
06-4420(6)	Turbine Module 3 - Generator & Equipment Installation	450	428	07-Sep-21 A	31-Jan-23	25-Apr-22	26-Jun-23	5%	147							
06-4440(6)	Turbine Module 3 - TBS Tower 3 Fabrication & installation	330	300	06-Sep-21 A	31-Jan-23	30-Aug-22	26-Jun-23	9%	147							
EP_SP_66_12-WP6A-M48.06.3 Procurement for ACC Units		423	366	17-Jun-21 A	30-Nov-22	19-Dec-21	19-Dec-22		19							
06-1110	Material & Equipment Procurement	50	30	17-Jun-21 A	29-Dec-21	21-Sep-22	20-Oct-22	40%	295							
06-1120	Off-site Fabrication of ACC Units	400	366	06-Sep-21 A	30-Nov-22	19-Dec-21	19-Dec-22	8.5%	19							
EP_SP_66_12-WP6A-M48.06.4 Procurement for MT Plant Equipment		90	90	30-Nov-21	27-Feb-22	13-Jun-22	10-Sep-22		195							
06-1150-1(1)	Mechanical Equipment Material Submission and Approval	90	90	30-Nov-21	27-Feb-22	13-Jun-22	10-Sep-22	0%	195							

Programme for Design and Construction Works
November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022					
											Nov 46	Dec 49	Jan 50	Feb 51	Nov 46	Dec 49	Jan 50	Feb 51		
EP_SP_66_12-WP6A-M48.06.27	Procurement for Hard Landscape Materials (Facade Panel, Paving, Greer	90	90	30-Nov-21	27-Feb-22	08-Mar-22	05-Jun-22		98											
06-7000(6)	Material Submission and Approval	90	90	30-Nov-21	27-Feb-22	08-Mar-22	05-Jun-22	0%	98											
EP_SP_66_12-WP6A-M48.06.28	Procurement for Building Finishes Materials (Doors, windows and louve	90	90	30-Nov-21	27-Feb-22	26-Nov-21	23-Feb-22		-4											
06-8000(6)	Material Submission and Approval (Other than IWMF Substation)	90	90	30-Nov-21	27-Feb-22	26-Nov-21	23-Feb-22	0%	-4											
EP_SP_66_12-WP6A-M48.08	Maritime Works	976	245	29-Oct-19 A	01-Aug-22	06-Nov-21	05-Mar-24		582											
EP_SP_66_12-WP6A-M48.08.1	Marine Construction	976	245	29-Oct-19 A	01-Aug-22	06-Nov-21	05-Mar-24		582											
EP_SP_66_12-WP6A-M48.08.1.1	Phase I - Construction of Perimeter Seawalls	931	200	29-Oct-19 A	17-Jun-22	27-Dec-21	31-Mar-23		287											
EP_SP_66_12-WP6A-M48.08.1.1.1	Seawall and Berth at DCM Area	931	200	29-Oct-19 A	17-Jun-22	27-Dec-21	31-Mar-23		287											
EP_SP_66_12-WP6A-M48.08.1.1.1.5	Seawall Structural Works	931	200	29-Oct-19 A	17-Jun-22	27-Dec-21	31-Mar-23		287											
08-1115(3)	Caisson infill, Solid ballast, toe protection, precast concrete blocks .etc Laying	250	14	29-Oct-19 A	13-Dec-21	25-Oct-22	07-Nov-22	94.4%	329											
EP_SP_66_12-WP6A-M48.08.1.1.1.5.1	Remain Works	261	200	17-Sep-21 A	17-Jun-22	27-Dec-21	31-Mar-23		287											
08-1105-08(6)	Prefabrication of Precast Beam and Slab for Seawall A	140	60	21-Sep-21 A	28-Jan-22	27-Dec-21	24-Feb-22	57.14%	27											
08-1105-09(6)	Prefabrication of Precast Beam & Slab for Seawall B	140	60	21-Sep-21 A	28-Jan-22	27-Dec-21	24-Feb-22	57.14%	27											
08-1105-11(6)	Prefabrication of Precast Copping for Vertical Seawall	140	140	29-Jan-22	17-Jun-22	25-Feb-22	14-Jul-22	0%	27											
08-1120	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall A	220	190	17-Sep-21 A	07-Jun-22	23-Sep-22	31-Mar-23	13.64%	297											
08-1120-1(6)	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B	220	190	23-Sep-21 A	07-Jun-22	01-Jun-22	07-Dec-22	13.64%	183											
EP_SP_66_12-WP6A-M48.08.1.2	Phase II - Reclamation, Breakwater and Berth Construction	637	245	19-Jun-20 A	01-Aug-22	06-Nov-21	05-Mar-24		582											
EP_SP_66_12-WP6A-M48.08.1.2.1	Reclamation	367	245	29-May-21 A	01-Aug-22	06-Nov-21	05-Mar-24		582											
EP_SP_66_12-WP6A-M48.08.1.2.1.6	Reclamation Works	367	245	29-May-21 A	01-Aug-22	06-Nov-21	08-Sep-22		38											
EP_SP_66_12-WP6A-M48.08.1.2.1.6.1	Reclamation Fill	164	42	29-May-21 A	10-Jan-22	27-Nov-21	17-Feb-22		38											
08-3030(6)	Fill up +2.5 to +7.5mPD at East Edge Area (91,000m3 @ 400m3/d)	32	1	29-May-21 A	30-Nov-21	27-Nov-21	27-Nov-21	98%	-3											
08-3040(6)	Fill up +2.5 to +7.5mPD at West Edge Area (91,000m3 @ 400m3/d)	32	16	29-Jul-21 A	15-Dec-21	20-Dec-21	04-Jan-22	51%	20											
08-3070(6)	Fill up +2.5 to +7.5mPD at South Edge Area (102,000m3 @ 400m3/d)	26	26	15-Dec-21	10-Jan-22	23-Jan-22	17-Feb-22	0%	38											
EP_SP_66_12-WP6A-M48.08.1.2.1.6.3	Surcharge Filling	56	65	04-Sep-21 A	02-Feb-22	16-Nov-21	12-Mar-22		38											
08-3050(6)	Fill up +7.5 to +11&13mPD at East Edge Area (Stage 5) (66,000m3 @ 2500m3/d)	26	12	04-Sep-21 A	11-Dec-21	16-Nov-21	27-Nov-21	55%	-14											
08-3060(6)	Fill up +7.5 to +11&12mPD at West Edge Area (Stage +6) (55,000m3 @ 2500m3/d)	22	22	15-Dec-21	06-Jan-22	05-Jan-22	26-Jan-22	0%	20											
08-3080(6)	Fill up +7.5 to +11&13mPD at South Edge Area (Stage 7) (58,000m3 @ 2500m3/d)	23	23	10-Jan-22	02-Feb-22	18-Feb-22	12-Mar-22	0%	38											
EP_SP_66_12-WP6A-M48.08.1.2.1.6.4	Surcharge Period	274	245	29-Sep-21 A	01-Aug-22	06-Nov-21	08-Sep-22		38											
08-3110(6)	Loading @ +12mPD at TH & CCCW Building (Stage 3)	180	118	29-Sep-21 A	27-Mar-22	12-Dec-21	08-Apr-22	34.44%	12											
08-3110-1(6)	Loading @ +12mPD at ACC Building & Substation (Stage 4)	180	175	25-Nov-21 A	23-May-22	06-Nov-21	29-Apr-22	2.78%	-24											
08-3120(6)	Loading @ +11&+13mPD at at East Edge Area (Stage 5)	180	180	11-Dec-21	09-Jun-22	28-Nov-21	26-May-22	0%	-14											
08-3120-1(6)	Loading @ +11&12mPD at West Edge Area (Stage 6)	180	180	06-Jan-22	05-Jul-22	27-Jan-22	25-Jul-22	0%	20											
08-3130(6)	Loading @ +11&+13mPD at South Edge Area (Stage 7)	180	180	02-Feb-22	01-Aug-22	13-Mar-22	08-Sep-22	0%	38											
EP_SP_66_12-WP6A-M48.08.1.2.1.1	Instrumentation	218	65	17-Jun-21 A	02-Feb-22	12-Feb-22	05-Mar-24		762											
08-1370 (M23)	Extension of instruments to finished levels	42	30	14-Jul-21 A	04-Jan-22	05-Feb-24	05-Mar-24	28.57%	792											
08-1375 (M23)	Extension of instruments to surcharge top levels	65	35	28-Jul-21 A	02-Feb-22	06-Jul-22	09-Aug-22	46.15%	188											
EP_SP_66_12-WP6A-M48.08.1.2.1.1.1	Instruments above +2.5mPD	158	5	17-Jun-21 A	05-Dec-21	12-Feb-22	11-Jun-22		189											
EP_SP_66_12-WP6A-M48.08.1.2.1.1.1.7	IWMF Substation (East)	88	2	29-Jul-21 A	01-Dec-21	10-Jun-22	11-Jun-22		192											
08-2060 (M42)	Drilling and installation of Instrumentation (11hrs.)	88	2	29-Jul-21 A	01-Dec-21	10-Jun-22	11-Jun-22	97.73%	192											
EP_SP_66_12-WP6A-M48.08.1.2.1.1.1.8	IWMF Substation (South)	64	5	17-Jun-21 A	05-Dec-21	12-Feb-22	17-Feb-22		75											
08-2070 (M42)	Drilling and installation of Instrumentation (8hrs.)	64	5	17-Jun-21 A	05-Dec-21	12-Feb-22	17-Feb-22	91.5%	75											
EP_SP_66_12-WP6A-M48.08.1.2.1.2	PVD Remedial Works	210	210	30-Nov-21	27-Jun-22	04-Jan-22	01-Aug-22		35											
08-1390 (M34)15	Install Sand Drains at Zone D (approx. 62 nr @ 4nr/day/2 set of equipment)	16	16	30-Nov-21	15-Dec-21	18-Jan-22	02-Feb-22	0%	49											
08-1390 (M34)20	GI for ground condition varification at other Zone for PVD (10 nr approx @0.5 nr/day) Inc Report	28	28	30-Nov-21	27-Dec-21	06-Jan-22	02-Feb-22	0%	37											
08-1390 (M34)30	Lay Surcharge at remedial works area	30	30	30-Nov-21	29-Dec-21	04-Jan-22	02-Feb-22	0%	35											
08-1390 (M34)40	Surcharge Period at remedial area	180	180	30-Dec-21	27-Jun-22	03-Feb-22	01-Aug-22	0%	35											
EP_SP_66_12-WP6A-M48.08.1.2.2	Breakwater	379	93	19-Jun-20 A	02-Mar-22	31-Mar-22	22-Sep-22		204											
08-1280	Rubble Mound Laying (100,000m3 approx. @550m3/d)	188	30	06-Sep-20 A	29-Dec-21	26-Apr-22	25-May-22	84.04%	147											
08-1285(1)	Prefabrication for Caisson	180	56	19-Jun-20 A	24-Jan-22	31-Mar-22	25-May-22	69%	121											
08-1290	Caisson Laying (Total 29hrs, @2 hrs/week)	150	34	24-Dec-20 A	23-Feb-22	22-May-22	24-Jun-22	77.33%	121											

Programme for Design and Construction Works
 November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022		
											Nov 46	Dec 49	Jan 50	Feb 51			
08-1295(3)	Caisson Infill, Solid ballast, toe protection, precast concrete blocks ...etc Laying	200	26	25-Dec-20 A	02-Mar-22	27-Aug-22	22-Sep-22	86.9%	204								
EP_SP_66_12-WP6A-M48.08.1.2.3 Seawall and Berth at Marine Access																	
08-1320(5A)	Caisson Infill, Solid ballast, toe protection, precast concrete blocks ...etc Laying	30	8	19-Mar-21 A	07-Dec-21	08-May-22	15-May-22	73.33%	159								
EP_SP_66_12-WP6A-M48.09 Foundation Works																	
EP_SP_66_12-WP6A-M48.09.0 Site Investigation and Preliminary Pile																	
09-1000	Ground Investigation	14	0	08-Jul-21 A	30-Nov-21	12-Nov-21	12-Nov-21	98%	-17								
EP_SP_66_12-WP6A-M48.09.0.13 Preliminary Percussive H Pile																	
09-1020	Preliminary Pile Installation	7	7	18-Sep-21 A	20-Dec-21	20-Mar-22	09-Apr-22	0%	110								
09-1030	Preliminary Pile Load Test	14	14	07-Dec-21	20-Dec-21	27-Mar-22	09-Apr-22	0%	110								
EP_SP_66_12-WP6A-M48.09.2 Process Building - Waste Bunker & Tipping Hall Bld Foundation																	
EP_SP_66_12-WP6A-M48.09.2.4 Piling Works (Driven H-pile)																	
EP_SP_66_12-WP6A-M48.09.2.4.1 Piling Stage 1 (Module 1)																	
09-1120	Driven H Pile Installations (290 nrs, 4 Rigs @ 2nr/d)	37	37	15-Sep-21 A	05-Jan-22	23-Jan-22	28-Feb-22	0.3%	54								
09-1130	Pile Load Test	8	8	05-Jan-22	13-Jan-22	01-Mar-22	08-Mar-22	0%	54								
EP_SP_66_12-WP6A-M48.09.2.4.3 Piling Stage 3 (Module 3)																	
EP_SP_66_12-WP6A-M48.09.2.4.3.1 WWTP																	
09-1150(6)	Predrilling for Driven Pile founding determination (54nr ~60m, @15m/d, 8 Rigs)	27	10	17-Nov-21 A	09-Dec-21	15-May-22	24-May-22	64%	166								
EP_SP_66_12-WP6A-M48.09.2.1 Piling Works (Socket H-pile)																	
EP_SP_66_12-WP6A-M48.09.2.1.2 Piling Stage 1 (Module 1)																	
09-2190	Prebored H Pile Installations (93 nrs, 6 Rigs @5d/no.)	77	75	24-Sep-21 A	12-Feb-22	04-Nov-21	17-Jan-22	3.2%	-26								
09-2200	Pile Load Test	8	8	12-Feb-22	20-Feb-22	01-Mar-22	08-Mar-22	0%	16								
EP_SP_66_12-WP6A-M48.09.2.1.1 Piling Stage 2 (Module 2)																	
09-2240	Prebored H Pile Installations (281 nrs, 8 Rigs @5d/no.)	176	176	30-Nov-21	25-May-22	13-Nov-21	07-May-22	0%	-17								
EP_SP_66_12-WP6A-M48.09.2.1.3 Piling Stage 3 (Module 3)																	
EP_SP_66_12-WP6A-M48.09.2.1.3.1 WWTP																	
09-2260	Predrilling for Prebored H-Pile founding determination (11nr ~60m, @15m/d, 4 Rigs)	11	3	24-Nov-21 A	03-Dec-21	09-May-22	12-May-22	71%	161								
EP_SP_66_12-WP6A-M48.09.2.5 Pile Cap Construction																	
EP_SP_66_12-WP6A-M48.09.2.5.1 Pile Cap Stage 1 (Module 1)																	
09-1180	Excavation to Pile Cap Formation	25	25	23-Feb-22	20-Mar-22	12-Mar-22	05-Apr-22	0%	16								
EP_SP_66_12-WP6A-M48.09.3 Process Building - Boiler & Flue Gas Treatment Bld Foundation																	
EP_SP_66_12-WP6A-M48.09.3.1 Boiler Building & Flue Gas Foundation																	
EP_SP_66_12-WP6A-M48.09.3.1.1 Piling Works (Socket H-pile)																	
EP_SP_66_12-WP6A-M48.09.3.1.1.2 Piling Stage 1 (Module 1)																	
09-2580	Prebored H Pile Installations (77 nrs, 4 Rigs @5d/no.)	96	96	12-Feb-22	19-May-22	18-Jan-22	23-Apr-22	0%	-26								
09-2600	Predrilling for Prebored H-Pile founding determination (10nr ~60m, @15m/d, 4 Rigs)	10	10	30-Nov-21	09-Dec-21	08-Jan-22	17-Jan-22	0%	39								
EP_SP_66_12-WP6A-M48.09.3.1.1.1 Piling Stage 2 (Module 2)																	
09-2630	Predrilling for Prebored H-Pile founding determination (12nr ~60m, @15m/d, 4 Rigs)	12	12	10-Dec-21	21-Dec-21	02-Mar-22	13-Mar-22	0%	82								
EP_SP_66_12-WP6A-M48.09.3.1.1.3 Piling Stage 3 (Module 3)																	
09-2660	Predrilling for Prebored H-Pile founding determination (12nr ~60m, @15m/d, 4 Rigs)	12	12	03-Dec-21	15-Dec-21	14-Jun-22	25-Jun-22	0%	193								
EP_SP_66_12-WP6A-M48.09.3.1.2 Piling Works (Driven H-pile)																	
EP_SP_66_12-WP6A-M48.09.3.1.2.1 Piling Stage 1 (Module 1)																	
09-1310(6)	Predrilling for Driven Pile founding determination (71nr ~60m, @15m/d, 8 Rigs)	71	71	30-Nov-21	09-Feb-22	24-Dec-21	04-Mar-22	0%	24								
EP_SP_66_12-WP6A-M48.09.3.1.2.2 Piling Stage 2 (Module 2)																	
09-1340(6)	Predrilling for Driven Pile founding determination (64nr ~60m, @15m/d, 4 Rigs)	64	64	22-Dec-21	23-Feb-22	14-Mar-22	16-May-22	0%	82								
EP_SP_66_12-WP6A-M48.09.3.1.2.3 Piling Stage 3 (Module 3)																	
09-1370(6)	Predrilling for Driven Pile founding determination (63nr ~60m, @15m/d, 8 Rigs)	42	42	09-Feb-22	23-Mar-22	23-Mar-22	03-May-22	0%	42								
EP_SP_66_12-WP6A-M48.15 Works By CLP																	
EP_SP_66_12-WP6A-M48.15.1 Installation of Transmission System																	
15-0800	450 days Prior to Commencement of System Commissioning Test	0	0	21-May-23			07-Apr-23	0%	-44								
15-0900	Completion of Civil Provision for Transmission	0	0		05-Mar-23		06-Apr-23	0%	32								
15-1000	Construction of Transmission System	90	90	01-Nov-23*	29-Jan-24	05-Mar-24	02-Jun-24	0%	125								
15-1002	Cable Testing	30	30	23-Apr-24	22-May-24	03-Jun-24	02-Jul-24	0%	41								
EP_SP_66_12-WP6A-M48.15.2 Remaining Installation Works by CLP																	
15-1005	Handover of CLP Equipment Room for Telecom / Digital s / Security / Metering equipment installation and testing	60	60	24-Mar-24	22-May-24	04-May-24	02-Jul-24	0%	41								

Programme for Design and Construction Works
 November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Late Start	Late Finish	Activity % Complete	Total Float	M48 Remarks	2021				2022				
											Nov 46	Dec 49	Jan 50	Feb 51	Nov 46	Dec 49	Jan 50	Feb 51	
15-1010	132kV cable termination at IWMF 132kV switchgear (2 panels) and associated HVAC circuits	30	30	23-May-24	21-Jun-24	03-Jul-24	01-Aug-24	0%	41										
15-1010-1(6)	Overall testing and commissioning of 2 x CHS-IWMF circuits	60	60	22-Jun-24	20-Aug-24	02-Aug-24	30-Sep-24	0%	41										
EP_SP_66_12-WP6A-M48.15.3 Metering & Energization		44	44	21-Aug-24	04-Oct-24	01-Oct-24	31-Dec-24		88										
15-1020	Incoming Power System Final Inspection and Metering works	30	30	21-Aug-24	19-Sep-24	01-Oct-24	30-Oct-24	0%	41										
15-1030	Energization of Incoming Power Supply Main System	0	0	01-Oct-24*			30-Oct-24	0%	30										
15-1040	Energization of Incoming Power Supply Sub System	0	0	04-Oct-24*			31-Dec-24	0%	88										
15-1050	Export Power System Final Inspection and Metering works	30	30	21-Aug-24	19-Sep-24	01-Oct-24	30-Oct-24	0%	41										
15-1060	Connection to Grid	0	0		19-Sep-24		16-Nov-24	0%	58										
EP_SP_66_12-WP6A-M48.16 Testing & Commissioning		336	336	30-Nov-21	31-Oct-22	01-Feb-22	02-Jan-23		63										
EP_SP_66_12-WP6A-M48.16.22 SAT & System Commissioning Tests		336	336	30-Nov-21	31-Oct-22	01-Feb-22	02-Jan-23		63										
EP_SP_66_12-WP6A-M48.16.22.20 Civil and Builder Works Completion Inspections		336	336	30-Nov-21	31-Oct-22	01-Feb-22	02-Jan-23		63										
16-1900-1(6)	Soil resistivity test	30	30	30-Nov-21	29-Dec-21	01-Feb-22	02-Mar-22	0%	63	Revised Activity Name		30-Nov-21							29-Dec-21, Soil resistivity test
16-1900-2(6)	Installation of Ground Earthing Mesh	306	306	30-Dec-21	31-Oct-22	03-Mar-22	02-Jan-23	0%	63										30-Dec-21

Programme for Design and Construction Works
 November 2021 Update (Rev WP-6A-M48)

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

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
30-Sep-21	Rev 6A - September 2021 Update		
31-Oct-21	Rev 6A - October 2021 Update		
30-Nov-21	Rev 6A - November 2021 Update		