Appendix A Master Programme

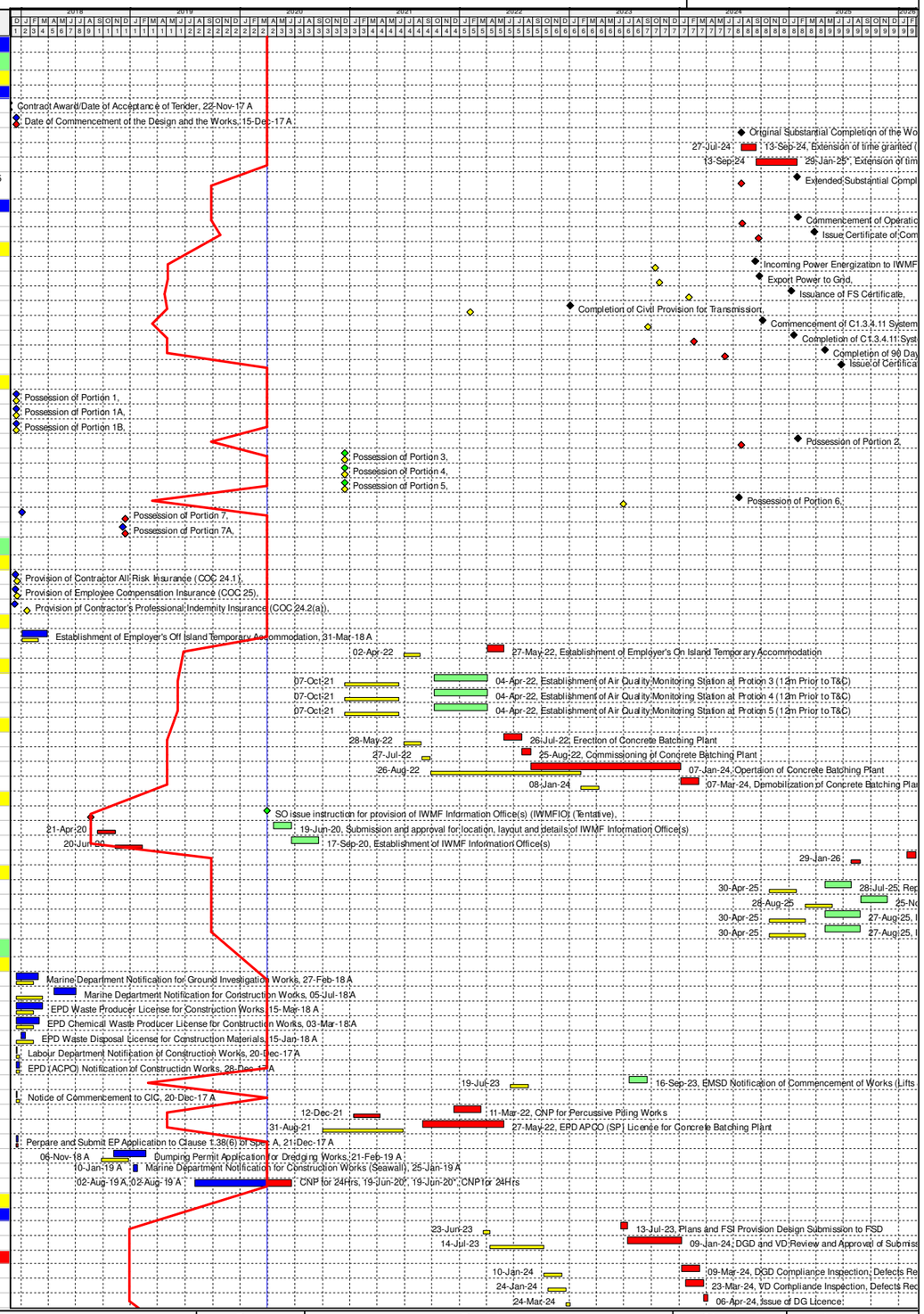
Keppel Seghers
KEPPEL SEGHERS - ZHEN HUA JOINT VENTURE

Contract No. EP/SP/66/12

Integrated Waste Management Facilities, Phase 1

環境保護署 Environmental Protection Department

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
EP_SP_66_12-WP-3-M28 Programme for Design and Construction Works WP3-M28			3020	31-Mar-20	28-Feb-26	22-Nov-17 A	28-Feb-26	30-Aug-18	28-Feb-26	0		
EP_SP_66_12-WP-3-M28.01 Key Dates			2773	13-Dec-20	25-Jun-25	22-Nov-17 A	25-Jun-25	12-Jan-22	25-Mar-25	-92		
EP_SP_66_12-WP-3-M28.01.1 Contractual Key Dates			2681	27-Jul-24	26-Mar-25	22-Nov-17 A	26-Mar-25	27-Jul-24	25-Mar-25	0		
EP_SP_66_12-WP-3-M28.01.1.1 Design and Construction Phase			2626	27-Jul-24	29-Jan-25	22-Nov-17 A	29-Jan-25	27-Jul-24	29-Jan-25	0		
01-1000	Contract Award/Date of Acceptance of Tender	Mandatory Start	0			22-Nov-17 A					100%	
01-1010	Date of Commencement of the Design and the Works	Mandatory Start	0			15-Dec-17 A					100%	
01-1015(3)(M12)	Original Substantial Completion of the Works	Mandatory Finish	0		27-Jul-24		27-Jul-24*		27-Jul-24	0	0%	
01-1015-1(3)(M12)	Extension of time granted (Claim No.1 to No.8 & No.10 to No.11)		41	27-Jul-24	13-Sep-24	27-Jul-24	13-Sep-24	27-Jul-24	13-Sep-24	0	0%	
01-1016(3)(M18)	Extension of time granted without holidays (Claim No.12 to No.26)	Mandatory Finish	138	13-Sep-24	29-Jan-25	13-Sep-24	29-Jan-25*	13-Sep-24	29-Jan-25	0	0%	
01-1020	Extended Substantial Completion of The Works	Mandatory Finish	0		29-Jan-25		29-Jan-25*		29-Jan-25	0	0%	29-Jan-2025 (noon)
EP_SP_66_12-WP-3-M28.01.1.2 Operation Phase			55	30-Jan-25	26-Mar-25	30-Jan-25	26-Mar-25	30-Jan-25	25-Mar-25	0		
01-1030	Commencement of Operation	Mandatory Start	0	30-Jan-25		30-Jan-25*		30-Jan-25		0	0%	
01-1230	Issue Certificate of Completion of the Works (56 days after Substantial Completion)	Mandatory Finish	0		26-Mar-25		26-Mar-25*		25-Mar-25	0	0%	
EP_SP_66_12-WP-3-M28.01.2 Planned Completion Dates			903	04-Jan-23	25-Jun-25	04-Jan-23	25-Jun-25	02-Jan-23	29-Jan-25	-148		
01-1040	Incoming Power Energization to IWMF Substation		0		10-Sep-24		10-Sep-24		02-Jun-24	-101	0%	
01-1050	Export Power to Grid		0		24-Sep-24		24-Sep-24		06-Sep-24	-19	0%	
01-1060	Issuance of FS Certificate		0		08-Jan-25		08-Jan-25		23-Aug-24	-139	0%	
01-1070	Completion of Civil Provision for Transmission		0		04-Jan-23		04-Jan-23		02-Jan-23	-3	0%	
01-1080	Commencement of C1.3.4.11 System Commissioning Test		0	06-Oct-24		06-Oct-24		15-Jun-24		-113	0%	
01-1090	Completion of C1.3.4.11 System Commission Test		0		17-Jan-25		17-Jan-25		23-Aug-24	-148	0%	
01-1100	Completion of 90 Days Plant Commissioning Test		0		01-May-25		01-May-25		05-Dec-24	-148	0%	
01-1110(3)(M15)	Issue of Certificate of Substantial Completion for the Works	Finish On or Before	0		25-Jun-25		25-Jun-25*		29-Jan-25	-148	0%	
EP_SP_66_12-WP-3-M28.01.3 Dates of Site Pocessions			2604	13-Dec-20	30-Jan-25	15-Dec-17 A	30-Jan-25	12-Jan-22	30-Jan-25	0		
01-1120	Possession of Portion 1		0				15-Dec-17 A				100%	
01-1130	Possession of Portion 1A		0				15-Dec-17 A				100%	
01-1140	Possession of Portion 1B		0				15-Dec-17 A				100%	
01-1150	Possession of Portion 2	Mandatory Finish	0		30-Jan-25		30-Jan-25*		30-Jan-25	0	0%	
01-1160	Possession of Portion 3		0		13-Dec-20		13-Dec-20		12-Jan-22	394	0%	
01-1170	Possession of Portion 4		0		13-Dec-20		13-Dec-20		12-Jan-22	394	0%	
01-1180	Possession of Portion 5		0		13-Dec-20		13-Dec-20		12-Jan-22	394	0%	
01-1190	Possession of Portion 6		0		17-Jul-24		17-Jul-24		27-Mar-24	-113	0%	
01-1200	Possession of Portion 7	Finish On or Before	0				05-Jan-18 A				100%	
01-1210	Possession of Portion 7A	Finish On or Before	0				07-Dec-18 A				100%	
EP_SP_66_12-WP-3-M28.02 Contract Preliminaries			3000	31-Mar-20	28-Feb-26	11-Dec-17 A	28-Feb-26	19-Apr-21	28-Feb-26	0		
EP_SP_66_12-WP-3-M28.02.0 General			1			11-Dec-17 A	12-Dec-17 A					
01-1220	Provision of Contractor All Risk Insurance (COC 24.1)	Finish On or Before	0				12-Dec-17 A				100%	
01-1240	Provision of Employee Compensation Insurance (COC 25)	Finish On or Before	0				12-Dec-17 A				100%	
01-1250	Provision of Contractor's Professional Indemnity Insurance (COC 24.2(a))	Finish On or Before	0				11-Dec-17 A				100%	
EP_SP_66_12-WP-3-M28.02.1 Employer's Accommodations			1606	02-Apr-22	27-May-22	03-Jan-18 A	27-May-22	27-Dec-21	21-Feb-22	-96		
02-1000	Establishment of Employer's Off Island Temporary Accommodation	Finish On or Before	87			03-Jan-18 A	31-Mar-18 A				100%	
02-1020	Establishment of Employer's On Island Temporary Accommodation		56	02-Apr-22	27-May-22	02-Apr-22	27-May-22	27-Dec-21	21-Feb-22	-96	0%	
EP_SP_66_12-WP-3-M28.02.2 Establiishment of Environmental Monitoring Stations			180	07-Oct-21	04-Apr-22	07-Oct-21	04-Apr-22	12-Jan-22	11-Jul-22	97		
02-1030	Establishment of Air Quality Monitoring Station at Protion 3 (12m Prior to T&C)		180	07-Oct-21	04-Apr-22	07-Oct-21	04-Apr-22	12-Jan-22	11-Jul-22	97	0%	
02-1040	Establishment of Air Quality Monitoring Station at Protion 4 (12m Prior to T&C)		180	07-Oct-21	04-Apr-22	07-Oct-21	04-Apr-22	12-Jan-22	11-Jul-22	97	0%	
02-1050	Establishment of Air Quality Monitoring Station at Protion 5 (12m Prior to T&C)		180	07-Oct-21	04-Apr-22	07-Oct-21	04-Apr-22	12-Jan-22	11-Jul-22	97	0%	
EP_SP_66_12-WP-3-M28.02.3 Erection of Concrete Batching Plant on Artificial Island			650	28-May-22	07-Mar-24	28-May-22	07-Mar-24	03-Jan-22	03-Jan-24	-65		
02-1080	Erection of Concrete Batching Plant		60	28-May-22	26-Jul-22	28-May-22	26-Jul-22	03-Jan-22	04-Mar-22	-145	0%	
02-1090	Commissioning of Concrete Batching Plant		30	27-Jul-22	25-Aug-22	27-Jul-22	25-Aug-22	04-Mar-22	03-Apr-22	-145	0%	
02-1100	Opertaion of Concrete Batching Plant		500	26-Aug-22	07-Jan-24	26-Aug-22	07-Jan-24	22-Jun-22	04-Nov-23	-65	0%	
02-1110	Demobilization of Concrete Batching Plant		60	08-Jan-24	07-Mar-24	08-Jan-24	07-Mar-24	04-Nov-23	03-Jan-24	-65	0%	
EP_SP_66_12-WP-3-M28.02.4 Establishment of Public Relation Office			2160	31-Mar-20	28-Feb-26	31-Mar-20	28-Feb-26	19-Apr-21	28-Feb-26	0		
02-1060	SO issue instruction for provision of IWMF Information Office(s) (IWMFIO) (Tentative)		0		31-Mar-20		31-Mar-20		19-Apr-21	384	0%	
02-1070(2)	Submission and approval for location, layout and details of IWMF Information Office(s)		60	21-Apr-20	19-Jun-20	21-Apr-20	19-Jun-20	10-May-21	09-Jul-21	384	0%	
02-1120(2)	Establishment of IWMF Information Office(s)		90	20-Jun-20	17-Sep-20	20-Jun-20	17-Sep-20	09-Jul-21	07-Oct-21	384	0%	
02-1140(2)	Decommissioning of IWMF Information Office(s)		30	29-Jan-26	28-Feb-26	29-Jan-26	28-Feb-26	29-Jan-26	28-Feb-26	0	0%	
EP_SP_66_12-WP-3-M28.02.5 Replacement of Onshore Crane at Portion 2			210	30-Apr-25	25-Nov-25	30-Apr-25	25-Nov-25	02-Aug-25	28-Feb-26	94		
02-1150(2)	Replace Crane No. 1 (Incl. T&C)		90	30-Apr-25	28-Jul-25	30-Apr-25	28-Jul-25	02-Aug-25	31-Oct-25	94	0%	
02-1160(2)	Replace Crane No. 2 (Incl. T&C)		90	28-Aug-25	25-Nov-25	28-Aug-25	25-Nov-25	30-Nov-25	28-Feb-26	94	0%	
02-1170(2)	Install, Testing and Commissioning of CCTV System		120	30-Apr-25	27-Aug-25	30-Apr-25	27-Aug-25	31-Oct-25	28-Feb-26	184	0%	
02-1180(2)	Install, Testing and Commissioning of Onshore Power Supply System		120	30-Apr-25	27-Aug-25	30-Apr-25	27-Aug-25	31-Oct-25	28-Feb-26	184	0%	
EP_SP_66_12-WP-3-M28.03 Licence/Permit Applications			2750	31-Mar-20	25-Jun-25	15-Dec-17 A	25-Jun-25	30-Mar-20	29-Jan-25	-148		
EP_SP_66_12-WP-3-M28.03.1 License/Permit for Construction			2102	31-Mar-20	16-Sep-23	15-Dec-17 A	16-Sep-23	30-Mar-20	21-Nov-23	65		
03-0900	Marine Department Notification for Ground Investigation Works		75			15-Dec-17 A	27-Feb-18 A				100%	
03-1000	Marine Department Notification for Construction Works		76			20-Apr-18 A	05-Jul-18 A				100%	
03-1010	EPD Waste Producer License for Construction Works		90			15-Dec-17 A	15-Mar-18 A				100%	
03-1020	EPD Chemical Waste Producer License for Construction Works		78			15-Dec-17 A	03-Mar-18 A				100%	
03-1030	EPD Waste Disposal License for Construction Materials		12			03-Jan-18 A	15-Jan-18 A				100%	
03-1040	Labour Department Notification of Construction Works	Finish On or Before	5			15-Dec-17 A	20-Dec-17 A				100%	
03-1050	EPD (ACPO) Notification of Construction Works	Finish On or Before	14			15-Dec-17 A	28-Dec-17 A				100%	
03-1060	EMSD Notification of Commencement of Works (Lifts & Escalators)		60	19-Jul-23	16-Sep-23	19-Jul-23	16-Sep-23	22-Sep-23	21-Nov-23	65	0%	
03-1070	Notice of Commencement to CIC	Finish On or Before	5			15-Dec-17 A	20-Dec-17 A				100%	
03-1080	CNP for Percussive Piling Works	As Late As Possible	90	12-Dec-21	11-Mar-22	12-Dec-21	11-Mar-22	17-Jul-21	15-Oct-21	-148	0%	
03-1090	EPD APCO (SP) Licence for Concrete Batching Plant	As Late As Possible	270	31-Aug-21	27-May-22	31-Aug-21	27-May-22	08-Apr-21	03-Jan-22	-145	0%	
03-1300	Perpare and Submit EP Application to Clause 1.38(6) of Spec A	Finish On or Before	7			15-Dec-17 A	21-Dec-17 A				100%	
03-1310(2)	Dumping Permit Application for Dredging Works		107			06-Nov-18 A	21-Feb-19 A				100%	
03-1360(1)	Marine Department Notification for Construction Works (Seawall)	Finish On or After	15			10-Jan-19 A	25-Jan-19 A				100%	
03-1360(2)	CNP for 24Hrs	Finish On	323	31-Mar-20	19-Jun-20	02-Aug-19 A	19-Jun-20*	30-Mar-20	18-Jun-20	-1	55.49%	
EP_SP_66_12-WP-3-M28.03.2 DG Licence			445	23-Jun-23	09-Sep-24	23-Jun-23	09-Sep-24	15-Mar-23	15-Jun-24	-87		
EP_SP_66_12-WP-3-M28.03.2.1 Day Tank & Fuel Oil Storage (Cat 5)			445	23-Jun-23	09-Sep-24	23-Jun-23	09-Sep-24	15-Mar-23	03-May-24	-130		
03-1400	Plans and FSI Provision Design Submission to FSD	As Late As Possible	21	23-Jun-23	13-Jul-23	23-Jun-23	13-Jul-23	15-Mar-23	05-Apr-23	-100	0%	
03-1410	DGD and VD Review and Approval of Submission	As Late As Possible	180	14-Jul-23	09-Jan-24	14-Jul-23	09-Jan-24	05-Apr-23	02-Oct-23	-100	0%	
EP_SP_66_12-WP-3-M28.03.2.1.1 IWMF Substation E. Gen RM			88	10-Jan-24	06-Apr-24	10-Jan-24	06-Apr-24	02-Oct-23	29-Dec-23	-100		
03-1420	DGD Compliance Inspection, Defects Rectification and Re-inspection		60	10-Jan-24	09-Mar-24	10-Jan-24	09-Mar-24	02-Oct-23	01-Dec-23	-100	0%	
03-1430	VD Compliance Inspection, Defects Rectification and Re-inspection		60	24-Jan-24	23-Mar-24	24-Jan-24	23-Mar-24	16-Oct-23	15-Dec-23	-100	0%	
03-1440	Issue of DG Licence		14	24-Mar-24	06-Apr-24	24-Mar-24	06-Apr-24	15-Dec-23	29-Dec-23	-100	0%	

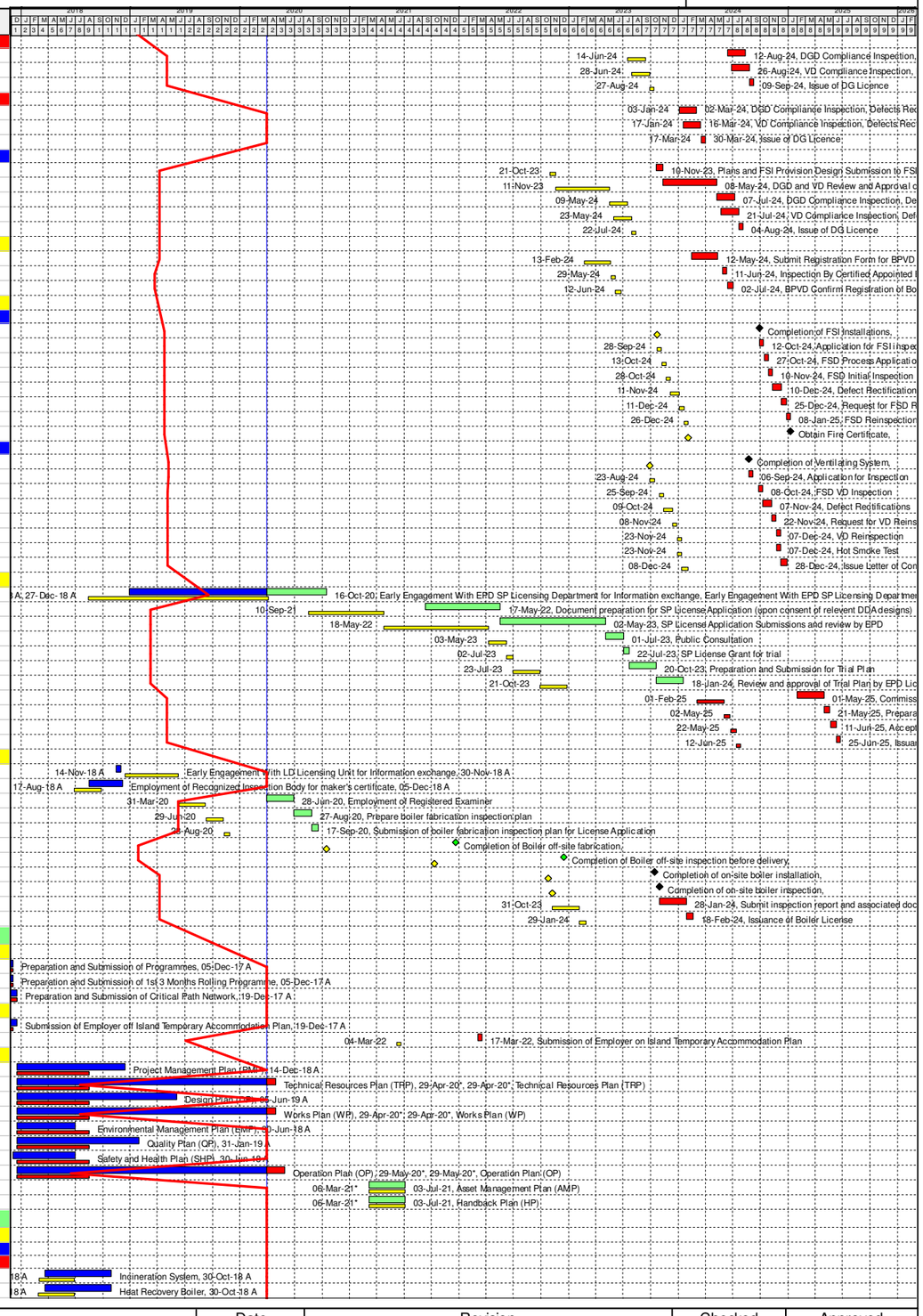


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
EP_SP_66_12-WP-3-M28.03.2.1.2 All E. Gen Rm other than IWMF Substation			88	14-Jun-24	09-Sep-24	14-Jun-24	09-Sep-24	05-Feb-24	03-May-24	-130		
03-1450	DGD Compliance Inspection, Defects Rectification and Re-inspection		60	14-Jun-24	12-Aug-24	14-Jun-24	12-Aug-24	05-Feb-24	05-Apr-24	-130	0%	
03-1460	VD Compliance Inspection, Defects Rectification and Re-inspection		60	28-Jun-24	26-Aug-24	28-Jun-24	26-Aug-24	19-Feb-24	19-Apr-24	-130	0%	
03-1470	Issue of DG Licence		14	27-Aug-24	09-Sep-24	27-Aug-24	09-Sep-24	19-Apr-24	03-May-24	-130	0%	
EP_SP_66_12-WP-3-M28.03.2.1.3 Fuel Oil System			88	03-Jan-24	30-Mar-24	03-Jan-24	30-Mar-24	30-Dec-23	27-Mar-24	-4		
03-3850	DGD Compliance Inspection, Defects Rectification and Re-inspection		60	03-Jan-24	02-Mar-24	03-Jan-24	02-Mar-24	30-Dec-23	28-Feb-24	-4	0%	
03-3860	VD Compliance Inspection, Defects Rectification and Re-inspection		60	17-Jan-24	16-Mar-24	17-Jan-24	16-Mar-24	13-Jan-24	13-Mar-24	-4	0%	
03-3870	Issue of DG Licence		14	17-Mar-24	30-Mar-24	17-Mar-24	30-Mar-24	13-Mar-24	27-Mar-24	-4	0%	
EP_SP_66_12-WP-3-M28.03.2.2 Chemical Stores (all Cat)			289	21-Oct-23	04-Aug-24	21-Oct-23	04-Aug-24	31-Aug-23	15-Jun-24	-51		
03-1480	Plans and FSI Provision Design Submission to FSD	As Late As Possible	21	21-Oct-23	10-Nov-23	21-Oct-23	10-Nov-23	31-Aug-23	21-Sep-23	-51	0%	
03-1490	DGD and VD Review and Approval of Submission	As Late As Possible	180	11-Nov-23	08-May-24	11-Nov-23	08-May-24	21-Sep-23	19-Mar-24	-51	0%	
03-1500	DGD Compliance Inspection, Defects Rectification and Re-inspection		60	09-May-24	07-Jul-24	09-May-24	07-Jul-24	19-Mar-24	18-May-24	-51	0%	
03-1510	VD Compliance Inspection, Defects Rectification and Re-inspection		60	23-May-24	21-Jul-24	23-May-24	21-Jul-24	02-Apr-24	01-Jun-24	-51	0%	
03-1520	Issue of DG Licence		14	22-Jul-24	04-Aug-24	22-Jul-24	04-Aug-24	01-Jun-24	15-Jun-24	-51	0%	
EP_SP_66_12-WP-3-M28.03.3 BPVO (Registration of Boilers and Pressure Vessels)			141	13-Feb-24	02-Jul-24	13-Feb-24	02-Jul-24	23-Nov-23	27-Mar-24	-98		
03-1530	Submit Registration Form for BPVD		90	13-Feb-24	12-May-24	13-Feb-24	12-May-24	23-Nov-23	21-Feb-24	-82	0%	
03-1540	Inspection By Certified Appointed Examiner		14	29-May-24	11-Jun-24	29-May-24	11-Jun-24	21-Feb-24	06-Mar-24	-98	0%	
03-1550	BPVD Confirm Registration of Boilers and Pressure Vessels		21	12-Jun-24	02-Jul-24	12-Jun-24	02-Jul-24	06-Mar-24	27-Mar-24	-98	0%	
EP_SP_66_12-WP-3-M28.03.4 Fire Services Installations (FSI) Certificatie			139	22-Aug-24	08-Jan-25	22-Aug-24	08-Jan-25	26-Apr-24	14-Aug-24	-148		
EP_SP_66_12-WP-3-M28.03.4.1 Fire Services Installations Certificate Inspection			103	27-Sep-24	08-Jan-25	27-Sep-24	08-Jan-25	03-May-24	14-Aug-24	-148		
03-1560	Completion of FSI Installations		0		27-Sep-24		27-Sep-24		03-May-24	-148	0%	
03-1570	Application for FSI inspection		15	28-Sep-24	12-Oct-24	28-Sep-24	12-Oct-24	03-May-24	18-May-24	-148	0%	
03-1580	FSD Process Application		15	13-Oct-24	27-Oct-24	13-Oct-24	27-Oct-24	18-May-24	02-Jun-24	-148	0%	
03-1590	FSD Initial Inspection		14	28-Oct-24	10-Nov-24	28-Oct-24	10-Nov-24	02-Jun-24	16-Jun-24	-148	0%	
03-1600	Defect Rectifications		30	11-Nov-24	10-Dec-24	11-Nov-24	10-Dec-24	16-Jun-24	16-Jul-24	-148	0%	
03-1610	Request for FSD Reinspection		15	11-Dec-24	25-Dec-24	11-Dec-24	25-Dec-24	16-Jul-24	31-Jul-24	-148	0%	
03-1620	FSD Reinspection		14	26-Dec-24	08-Jan-25	26-Dec-24	08-Jan-25	31-Jul-24	14-Aug-24	-148	0%	
03-1630	Obtain Fire Certificate		0		08-Jan-25		08-Jan-25		14-Aug-24	-148	0%	
EP_SP_66_12-WP-3-M28.03.4.2 Ventilating System License Inspection			128	22-Aug-24	28-Dec-24	22-Aug-24	28-Dec-24	26-Apr-24	14-Aug-24	-137		
03-1650	Completion of Ventilating System		0		22-Aug-24		22-Aug-24		26-Apr-24	-119	0%	
03-1660	Application for Inspection		15	23-Aug-24	06-Sep-24	23-Aug-24	06-Sep-24	26-Apr-24	11-May-24	-119	0%	
03-1670	FSD VD Inspection		14	25-Sep-24	08-Oct-24	25-Sep-24	08-Oct-24	11-May-24	25-May-24	-137	0%	
03-1680	Defect Rectifications		30	09-Oct-24	07-Nov-24	09-Oct-24	07-Nov-24	25-May-24	24-Jun-24	-137	0%	
03-1690	Request for VD Reinspection		15	08-Nov-24	22-Nov-24	08-Nov-24	22-Nov-24	24-Jun-24	09-Jul-24	-137	0%	
03-1700	VD Reinspection		15	23-Nov-24	07-Dec-24	23-Nov-24	07-Dec-24	09-Jul-24	24-Jul-24	-137	0%	
03-1710	Hot Smoke Test		15	23-Nov-24	07-Dec-24	23-Nov-24	07-Dec-24	09-Jul-24	24-Jul-24	-137	0%	
03-1720	Issue Letter of Complience		21	08-Dec-24	28-Dec-24	08-Dec-24	28-Dec-24	24-Jul-24	14-Aug-24	-137	0%	
EP_SP_66_12-WP-3-M28.03.5 Air Pollution Control (Specified Processes) License			2373	31-Mar-20	25-Jun-25	27-Dec-18 A	25-Jun-25	11-Oct-21	29-Jan-25	-148		
03-1730(3)	Early Engagement With EPD SP Licensing Department for Information exchange		660	31-Mar-20	16-Oct-20	27-Dec-18 A	16-Oct-20	11-Oct-21	29-Apr-22	559	66.67%	
03-1740(3)	Document preparation for SP License Application (upon consent of relevent DDA designs)		250	10-Sep-21	17-May-22	10-Sep-21	17-May-22	29-Apr-22	04-Jan-23	231	0%	
03-1750(3)	SP License Application Submissions and review by EPD		350	18-May-22	02-May-23	18-May-22	02-May-23	04-Jan-23	20-Dec-23	231	0%	
03-1760(3)	Public Consultation		60	03-May-23	01-Jul-23	03-May-23	01-Jul-23	20-Dec-23	18-Feb-24	231	0%	
03-1770(3)	SP License Grant for trial		21	02-Jul-23	22-Jul-23	02-Jul-23	22-Jul-23	18-Feb-24	10-Mar-24	231	0%	
03-1780(3)	Preparation and Submission for Trial Plan		90	23-Jul-23	20-Oct-23	23-Jul-23	20-Oct-23	10-Mar-24	08-Jun-24	231	0%	
03-1790(3)	Review and approval of Trial Plan by EPD Licensing Department		90	21-Oct-23	18-Jan-24	21-Oct-23	18-Jan-24	08-Jun-24	06-Sep-24	231	0%	
03-1800(3)	Commissioning Trial (In parallel with Plant Commissioning Test)		90	01-Feb-25	01-May-25	01-Feb-25	01-May-25	06-Sep-24	05-Dec-24	-148	0%	
03-1810(3)	Preparation and submission of report for trial results		20	02-May-25	21-May-25	02-May-25	21-May-25	05-Dec-24	25-Dec-24	-148	0%	
03-1820(3)	Acceptance of Commissioning Trail Report		21	22-May-25	11-Jun-25	22-May-25	11-Jun-25	25-Dec-24	15-Jan-25	-148	0%	
03-1830(3)	Issuance of SP License		14	12-Jun-25	25-Jun-25	12-Jun-25	25-Jun-25	15-Jan-25	29-Jan-25	-148	0%	
EP_SP_66_12-WP-3-M28.03.6 Boilers and Pressure Vessels License			2012	31-Mar-20	18-Feb-24	17-Aug-18 A	18-Feb-24	19-Feb-23	28-Nov-23	-83		
03-1840(3)	Early Engagement With LD Licensing Unit for Information exchange		16			14-Nov-18 A	30-Nov-18 A				100%	
03-1850(3)	Employment of Recognized Inspection Body for maker's certificate		110			17-Aug-18 A	05-Dec-18 A				100%	
03-1860(3)	Employment of Registered Examiner		90	31-Mar-20	28-Jun-20	31-Mar-20	28-Jun-20	19-Feb-23	20-May-23	1055	0%	
03-1870(3)	Prepare boiler fabrication inspection plan		60	29-Jun-20	27-Aug-20	29-Jun-20	27-Aug-20	20-May-23	19-Jul-23	1055	0%	
03-1880(3)	Submission of boiler fabrication inspection plan for License Application		21	28-Aug-20	17-Sep-20	28-Aug-20	17-Sep-20	19-Jul-23	09-Aug-23	1055	0%	
03-1890(3)	Completion of Boiler off-site fabrication		0		20-Dec-21		20-Dec-21		09-Aug-23	596	0%	
03-1900(3)	Completion of Boiler off-site inspection before delivery		0		15-Dec-22		15-Dec-22		09-Aug-23	236	0%	
03-1910(3)	Completion of on-site boiler installation		0		15-Oct-23		15-Oct-23		09-Aug-23	-68	0%	
03-1920(3)	Completion of on-site boiler inspection		0		30-Oct-23		30-Oct-23		09-Aug-23	-83	0%	
03-1930(3)	Submit inspection report and associated document to LD		90	31-Oct-23	28-Jan-24	31-Oct-23	28-Jan-24	09-Aug-23	07-Nov-23	-83	0%	
03-1940(3)	Issuance of Boiler License		21	29-Jan-24	18-Feb-24	29-Jan-24	18-Feb-24	07-Nov-23	28-Nov-23	-83	0%	
EP_SP_66_12-WP-3-M28.04 General Submissions			1577	31-Mar-20	17-Mar-22	22-Nov-17 A	17-Mar-22	29-Apr-19	20-Mar-22	3		
EP_SP_66_12-WP-3-M28.04.2 Programme			28			22-Nov-17 A	19-Dec-17 A					
04-1000	Preparation and Submission of Programmes	Finish On or Before	14			22-Nov-17 A	05-Dec-17 A				100%	
04-1010	Preparation and Submission of 1st 3 Months Rolling Programme	Finish On or Before	14			22-Nov-17 A	05-Dec-17 A				100%	
04-1040	Preparation and Submission of Critical Path Network	Finish On or Before	28			22-Nov-17 A	19-Dec-17 A				100%	
EP_SP_66_12-WP-3-M28.04.3 Accommodation Plans			1577	04-Mar-22	17-Mar-22	22-Nov-17 A	17-Mar-22	13-Dec-21	27-Dec-21	-81		
04-1020	Submission of Employer off Island Temporary Accommodation Plan	Finish On or Before	28			22-Nov-17 A	19-Dec-17 A				100%	
04-1030	Submission of Employer on Island Temporary Accommodation Plan		14	04-Mar-22	17-Mar-22	04-Mar-22	17-Mar-22	13-Dec-21	27-Dec-21	-81	0%	
EP_SP_66_12-WP-3-M28.04.1 Contractor's Plans Submission and Approval			1307	31-Mar-20	03-Jul-21	05-Dec-17 A	03-Jul-21	29-Apr-19	20-Mar-22	260		
04-1050(1)	Project Management Plan (PMP)	Start On or Before	361			19-Dec-17 A	14-Dec-18 A				100%	
04-1100(1)	Technical Resources Plan (TRP)	Finish On or Before	863	31-Mar-20	29-Apr-20	19-Dec-17 A	29-Apr-20*	29-May-19	27-Jun-19	-307	30%	
04-1150(1)	Design Plan (DP)	Finish On or Before	533			19-Dec-17 A	05-Jun-19 A				100%	
04-1200(1)	Works Plan (WP)	Finish On or Before	863	31-Mar-20	29-Apr-20	19-Dec-17 A	29-Apr-20*	01-May-19	30-May-19	-335	30%	
04-1250(1)	Environmental Management Plan (EMP)	Start On or Before	194			19-Dec-17 A	30-Jun-18 A				100%	
04-1300(1)	Quality Plan (QP)	Start On or Before	409			18-Dec-17 A	31-Jan-19 A				100%	
04-1350(1)	Safety and Health Plan (SHP)	Start On or Before	207			05-Dec-17 A	30-Jun-18 A				100%	
04-1400(1)	Operation Plan (OP)	Finish On or Before	894	31-Mar-20	29-May-20	18-Dec-17 A	29-May-20*	29-Apr-19	27-Jun-19	-337	70%	
04-1450(1)	Asset Management Plan (AMP)	Start On or Before	120	06-Mar-21	03-Jul-21	06-Mar-21*	03-Jul-21	21-Nov-21	20-Mar-22	260	0%	
04-1500(1)	Handback Plan (HP)	Start On or Before	120	06-Mar-21	03-Jul-21	06-Mar-21*	03-Jul-21	21-Nov-21	20-Mar-22	260	0%	
EP_SP_66_12-WP-3-M28.05 Design Submissions			1642	31-Mar-20	11-Aug-22	12-Feb-18 A	11-Aug-22	30-Aug-18	28-Feb-26	1296		
EP_SP_66_12-WP-3-M28.05.01 AIP Design Package Submissions			1493	31-Mar-20	15-Mar-22	12-Feb-18 A	15-Mar-22	30-Aug-18	28-Feb-26	1445		
EP_SP_66_12-WP-3-M28.05.01.01 AIP Process and Layout Design (2.1)			870	31-Mar-20	31-Jul-20	15-Mar-18 A	31-Jul-20	10-Apr-19	03-Mar-21	214		
EP_SP_66_12-WP-3-M28.05.01.01.1 MSW treatment process design for incineration (2.1.01)			468			21-Mar-18 A	02-Jul-19 A					
05-1000	Incineration System	Start On or After	223			21-Mar-18 A	30-Oct-18 A				100%	
05-1010	Heat Recovery Boiler	Start On or After	223			21-Mar-18 A	30-Oct-18 A				100%	

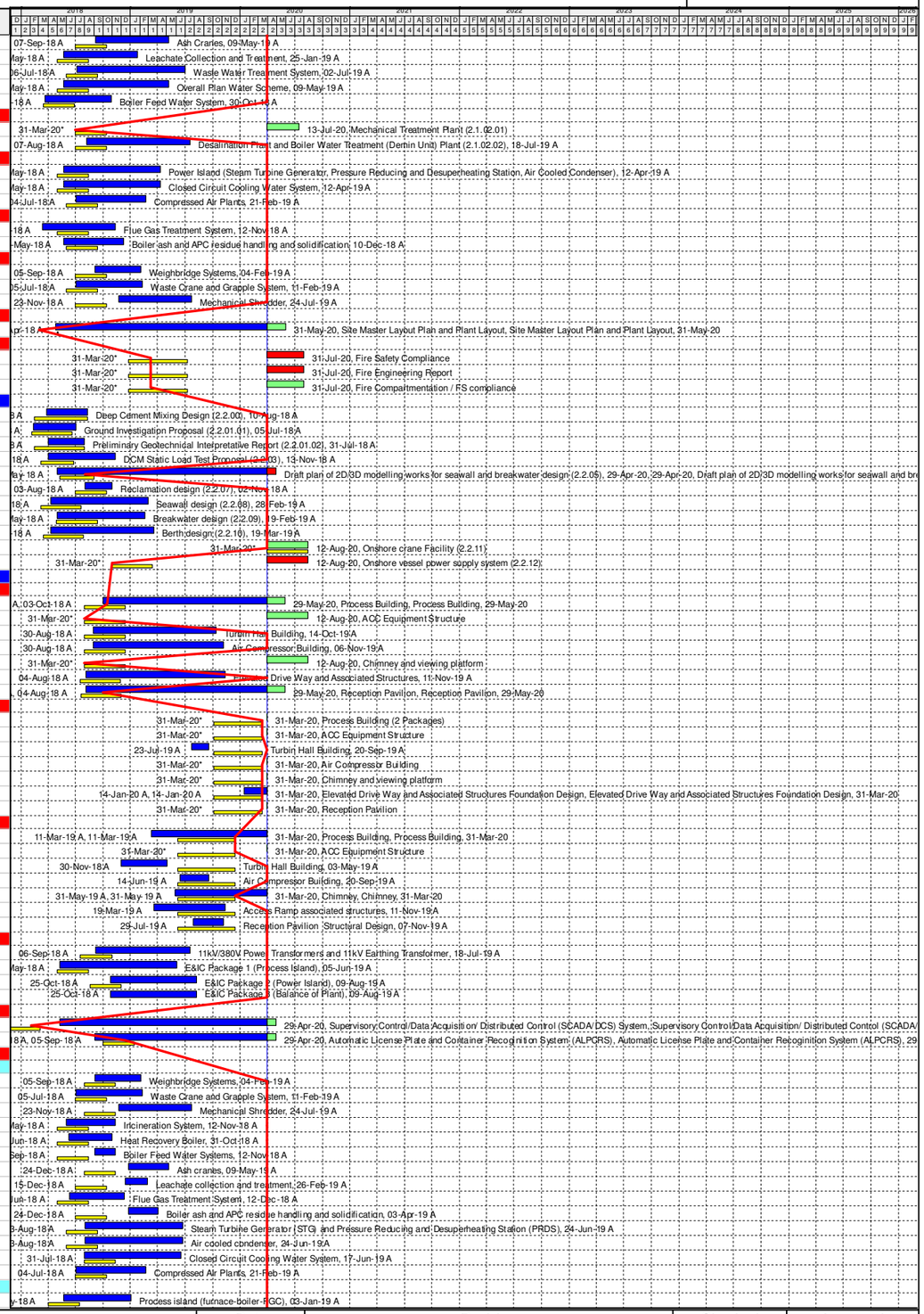


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
05-1020	Ash Cranes	Start On or After	244			07-Sep-18 A	09-May-19 A				100%	
05-1030	Leachate Collection and Treatment	Start On or After	245			25-May-18 A	25-Jan-19 A				100%	
05-1040	Waste Water Treatment System	Start On or After	361			06-Jul-18 A	02-Jul-19 A				100%	
05-1050	Overall Plan Water Scheme	Start On or After	350			24-May-18 A	09-May-19 A				100%	
05-1060	Boiler Feed Water System	Start On or After	223			21-Mar-18 A	30-Oct-18 A				100%	
EP_SP_66_12-WP-3-M28.05.01.01.2	**MSW treatment process design for mechanical treatment (2.1.02)**		707	31-Mar-20	13-Jul-20	07-Aug-18 A	13-Jul-20	02-May-20	15-Aug-20	32		
05-1090	Mechanical Treatment Plant (2.1.02.01)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	02-May-20	15-Aug-20	32	0%	
05-1100	Desalination Plant and Boiler Water Treatment (Demin Unit) Plant (2.1.02.02)	Start On or After	345			07-Aug-18 A	18-Jul-19 A				100%	
EP_SP_66_12-WP-3-M28.05.01.01.3	**Waste heat recovery and Power generation system (2.1.03)**		323			24-May-18 A	12-Apr-19 A					
05-1110	Power Island (Steam Turbine Generator, Pressure Reducing and Desuperheating Station, Air Cooled Cond		323			24-May-18 A	12-Apr-19 A				100%	
05-1120	Closed Circuit Cooling Water System	Start On or After	323			24-May-18 A	12-Apr-19 A				100%	
05-1130	Compressed Air Plants	Start On or After	232			04-Jul-18 A	21-Feb-19 A				100%	
EP_SP_66_12-WP-3-M28.05.01.01.4	**Flue gas treatment process design for incineration (2.1.04)**		270			15-Mar-18 A	10-Dec-18 A					
05-1070	Flue Gas Treatment System	Start On or After	242			15-Mar-18 A	12-Nov-18 A				100%	
05-1080	Boiler ash and APC residue handling and solidification	Start On or After	199			25-May-18 A	10-Dec-18 A				100%	
EP_SP_66_12-WP-3-M28.05.01.01.5	**Logistic arrangement design for MSW and Ash and Residues (2.1.05)**		384			05-Jul-18 A	24-Jul-19 A					
05-1140	Weighbridge Systems	Start On or After	152			05-Sep-18 A	04-Feb-19 A				100%	
05-1150	Waste Crane and Grapple System	Start On or After	221			05-Jul-18 A	11-Feb-19 A				100%	
05-1160	Mechanical Shredder	Start On or After	243			23-Nov-18 A	24-Jul-19 A				100%	
EP_SP_66_12-WP-3-M28.05.01.01.6	**Site Master Layout Plan and Plant Layout (2.1.06)**		766	31-Mar-20	31-May-20	27-Apr-18 A	31-May-20	31-Dec-20	03-Mar-21	275		
05-3020	Site Master Layout Plan and Plant Layout		766	31-Mar-20	31-May-20	27-Apr-18 A	31-May-20	31-Dec-20	03-Mar-21	275	65%	
EP_SP_66_12-WP-3-M28.05.01.01.7	**Statutory Fire Compliance (2.1.25)**		123	31-Mar-20	31-Jul-20	31-Mar-20	31-Jul-20	10-Apr-19	26-Feb-21	209		
05-2990	Fire Safety Compliance	Start On or After	123	31-Mar-20	31-Jul-20	31-Mar-20*	31-Jul-20	10-Apr-19	10-Aug-19	-356	0%	
05-3000	Fire Engineering Report	Start On or After	123	31-Mar-20	31-Jul-20	31-Mar-20*	31-Jul-20	10-Apr-19	10-Aug-19	-356	0%	
05-3010	Fire Compartmentation / FS compliance	Start On or After	123	31-Mar-20	31-Jul-20	31-Mar-20*	31-Jul-20	26-Oct-20	26-Feb-21	209	0%	
EP_SP_66_12-WP-3-M28.05.01.02	**AIP Ground Treatment, Reclamation, Seawall, Breakwater, Berth (2.2)**		913	31-Mar-20	12-Aug-20	12-Feb-18 A	12-Aug-20	26-Nov-19	20-Jul-21	341		
05-1170	Deep Cement Mixing Design (2.2.00)	Start On or After	136			27-Mar-18 A	10-Aug-18 A				100%	
05-1180	Ground Investigation Proposal (2.2.01.01)	Start On or After	143			12-Feb-18 A	05-Jul-18 A				100%	
05-1190	Preliminary Geotechnical Interpretative Report (2.2.01.02)	Start On or After	120			03-Apr-18 A	31-Jul-18 A				100%	
05-1200	DCM Static Load Test Proposal (2.2.03)	Start On or After	224			03-Apr-18 A	13-Nov-18 A				100%	
05-1280	Draft plan of 2D/3D modelling works for seawall and breakwater design (2.2.05)	Start On or After	728	31-Mar-20	29-Apr-20	03-May-18 A	29-Apr-20	26-Nov-19	26-Dec-19	-126	80%	
05-2930	Reclamation design (2.2.07)	Start On or After	91			03-Aug-18 A	02-Nov-18 A				100%	
05-2940	Seawall design (2.2.08)	Start On or After	323			11-Apr-18 A	28-Feb-19 A				100%	
05-2950	Breakwater design (2.2.09)	Start On or After	293			02-May-18 A	19-Feb-19 A				100%	
05-2960	Berth design (2.2.10)	Start On or After	342			11-Apr-18 A	19-Mar-19 A				70%	
05-2970	Onshore crane Facility (2.2.11)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	07-Mar-21	20-Jul-21	341	0%	
05-2980	Onshore vessel power supply system (2.2.12)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	15-Dec-19	28-Apr-20	-107	0%	
EP_SP_66_12-WP-3-M28.05.01.03	**AIP Incineration Plant Buildings (2.3)**		961	31-Mar-20	25-Dec-20	10-May-18 A	25-Dec-20	30-Aug-18	26-Jul-22	577		
EP_SP_66_12-WP-3-M28.05.01.03.1	**Architectural Design (2.3.00)**		740	31-Mar-20	12-Aug-20	04-Aug-18 A	12-Aug-20	15-Dec-20	12-Aug-21	364		
05-1210	Process Building	Start On or After	605	31-Mar-20	29-May-20	03-Oct-18 A	29-May-20	15-Dec-20	13-Feb-21	259	65%	
05-1220	ACC Equipment Structure	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	16-Feb-21	01-Jul-21	322	0%	
05-1230	Turbin Hall Building	Start On or After	410			30-Aug-18 A	14-Oct-19 A				100%	
05-1240	Air Compressor Building	Start On or After	433			30-Aug-18 A	06-Nov-19 A				100%	
05-1250	Chimney and viewing platform	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	28-Jan-21	12-Jun-21	303	0%	
05-1260	Elevated Drive Way and Associated Structures	Start On or After	464			04-Aug-18 A	11-Nov-19 A				100%	
05-1270	Reception Pavilion	Start On or After	665	31-Mar-20	29-May-20	04-Aug-18 A	29-May-20	13-Jun-21	12-Aug-21	439	65%	
EP_SP_66_12-WP-3-M28.05.01.03.2	**Foundation design (2.3.01)**		252	31-Mar-20	31-Mar-20	23-Jul-19 A	31-Mar-20	02-Jul-21	19-Jun-22	810		
05-3030	Process Building (2 Packages)	Start On or After	0	31-Mar-20	31-Mar-20	31-Mar-20*	31-Mar-20	02-Jul-21	02-Jul-21	458	0%	
05-3040	ACC Equipment Structure	Start On or After	0	31-Mar-20	31-Mar-20	31-Mar-20*	31-Mar-20	18-Oct-21	18-Oct-21	566	0%	
05-3050	Turbin Hall Building	Start On or After	59			23-Jul-19 A	20-Sep-19 A				100%	
05-3060	Air Compressor Building	Start On or After	0	31-Mar-20	31-Mar-20	31-Mar-20*	31-Mar-20	27-Jan-22	27-Jan-22	667	0%	
05-3070	Chimney and viewing platform	Start On or After	0	31-Mar-20	31-Mar-20	31-Mar-20*	31-Mar-20	29-Sep-21	29-Sep-21	547	0%	
05-3080	Elevated Drive Way and Associated Structures Foundation Design	Start On or After	77	31-Mar-20	31-Mar-20	14-Jan-20 A	31-Mar-20	06-Feb-22	06-Feb-22	677	45%	
05-3090	Reception Pavilion	Start On or After	0	31-Mar-20	31-Mar-20	31-Mar-20*	31-Mar-20	19-Jun-22	19-Jun-22	810	0%	
EP_SP_66_12-WP-3-M28.05.01.03.3	**Structural design (2.3.02)**		487	31-Mar-20	31-Mar-20	30-Nov-18 A	31-Mar-20	14-Nov-20	26-Jul-22	847		
05-1290	Process Building	Start On or After	386	31-Mar-20	31-Mar-20	11-Mar-19 A	31-Mar-20	20-Sep-21	20-Sep-21	538	5%	
05-1300	ACC Equipment Structure	Start On or After	0	31-Mar-20	31-Mar-20	31-Mar-20*	31-Mar-20	14-Nov-20	14-Nov-20	228	0%	
05-1310	Turbin Hall Building	Start On or After	154			30-Nov-18 A	03-May-19 A				100%	
05-1320	Air Compressor Building	Start On or After	98			14-Jun-19 A	20-Sep-19 A				100%	
05-1330	Chimney	Start On or After	305	31-Mar-20	31-Mar-20	31-May-19 A	31-Mar-20	26-Jul-22	26-Jul-22	847	5%	
05-1340	Access Ramp associated structures	Start On or After	237			19-Mar-19 A	11-Nov-19 A				100%	
05-1350	Reception Pavilion Structural Design	Start On or After	101			29-Jul-19 A	07-Nov-19 A				100%	
EP_SP_66_12-WP-3-M28.05.01.03.4	**Electrical and instrumentation works design (2.3.03)**		456			10-May-18 A	09-Aug-19 A					
05-3150	11kV/380V Power Transformers and 11kV Earthing Transformer	Start On or After	315			06-Sep-18 A	18-Jul-19 A				100%	
05-3160	E&IC Package 1 (Process Island)		391			10-May-18 A	05-Jun-19 A				100%	
05-3170	E&IC Package 2 (Power Island)	Start On or After	288			25-Oct-18 A	09-Aug-19 A				100%	
05-3175(3)(M12)	E&IC Package 3 (Balance of Plant)		288			25-Oct-18 A	09-Aug-19 A				100%	
EP_SP_66_12-WP-3-M28.05.01.03.8	**Operation Management System (2.3.03.04)**		721	31-Mar-20	29-Apr-20	10-May-18 A	29-Apr-20	28-Apr-20	10-Sep-20	133		
05-3180	Supervisory Control/Data Acquisition/ Distributed Control (SCADA/DCS) System	Start On or After	721	31-Mar-20	29-Apr-20	10-May-18 A	29-Apr-20	28-Apr-20	28-May-20	28	65%	
05-3210	Automatic License Plate and Container Recognition System (ALPCRS)	Start On or After	603	31-Mar-20	29-Apr-20	05-Sep-18 A	29-Apr-20	11-Aug-20	10-Sep-20	133	65%	
EP_SP_66_12-WP-3-M28.05.01.03.5	**Mechanical works design (2.3.04)**		433			17-May-18 A	24-Jul-19 A					
EP_SP_66_12-WP-3-M28.05.01.03.5.1	**Plant and Equipment**		419			31-May-18 A	24-Jul-19 A					
05-2800	Weighbridge Systems	Start On or After	152			05-Sep-18 A	04-Feb-19 A				100%	
05-2810	Waste Crane and Grapple System	Start On or After	221			05-Jul-18 A	11-Feb-19 A				100%	
05-2820	Mechanical Shredder	Start On or After	243			23-Nov-18 A	24-Jul-19 A				100%	
05-2830	Incineration System	Start On or After	165			31-May-18 A	12-Nov-18 A				100%	
05-2840	Heat Recovery Boiler	Start On or After	145			08-Jun-18 A	31-Oct-18 A				100%	
05-2850	Boiler Feed Water Systems	Start On or After	68			05-Sep-18 A	12-Nov-18 A				100%	
05-2860	Ash cranes	Start On or After	136			24-Dec-18 A	09-May-19 A				100%	
05-2870	Leachate collection and treatment	Start On or After	73			15-Dec-18 A	26-Feb-19 A				100%	
05-2880	Flue Gas Treatment System	Start On or After	184			11-Jun-18 A	12-Dec-18 A				100%	
05-2890	Boiler ash and APC residue handling and solidification	Start On or After	100			24-Dec-18 A	03-Apr-19 A				100%	
05-2900	Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PRDS)	Start On or After	325			03-Aug-18 A	24-Jun-19 A				100%	
05-2910	Air cooled condenser	Start On or After	325			03-Aug-18 A	24-Jun-19 A				100%	
05-2915(3)	Closed Circuit Cooling Water System	Start On or After	321			31-Jul-18 A	17-Jun-19 A				100%	
05-2920	Compressed Air Plants	Start On or After	232			04-Jul-18 A	21-Feb-19 A				100%	
EP_SP_66_12-WP-3-M28.05.01.03.5.2	**Process Pipeworks (Incl. Ductworks) and Valves**		404			24-May-18 A	02-Jul-19 A					
05-1360	Process island (furnace-boiler-FGC)	Start On or After	224			24-May-18 A	03-Jan-19 A				100%	



Programme for Design and Construction Works March 2020 Update (Rev WP-3-M28)

- Primary Baseline
- WP3 BL Critical Works
- Remaining Work
- Actual Work
- Critical Remaining Work
- Baseline Milestone
- WP3 BL Critical Milestone
- Milestone
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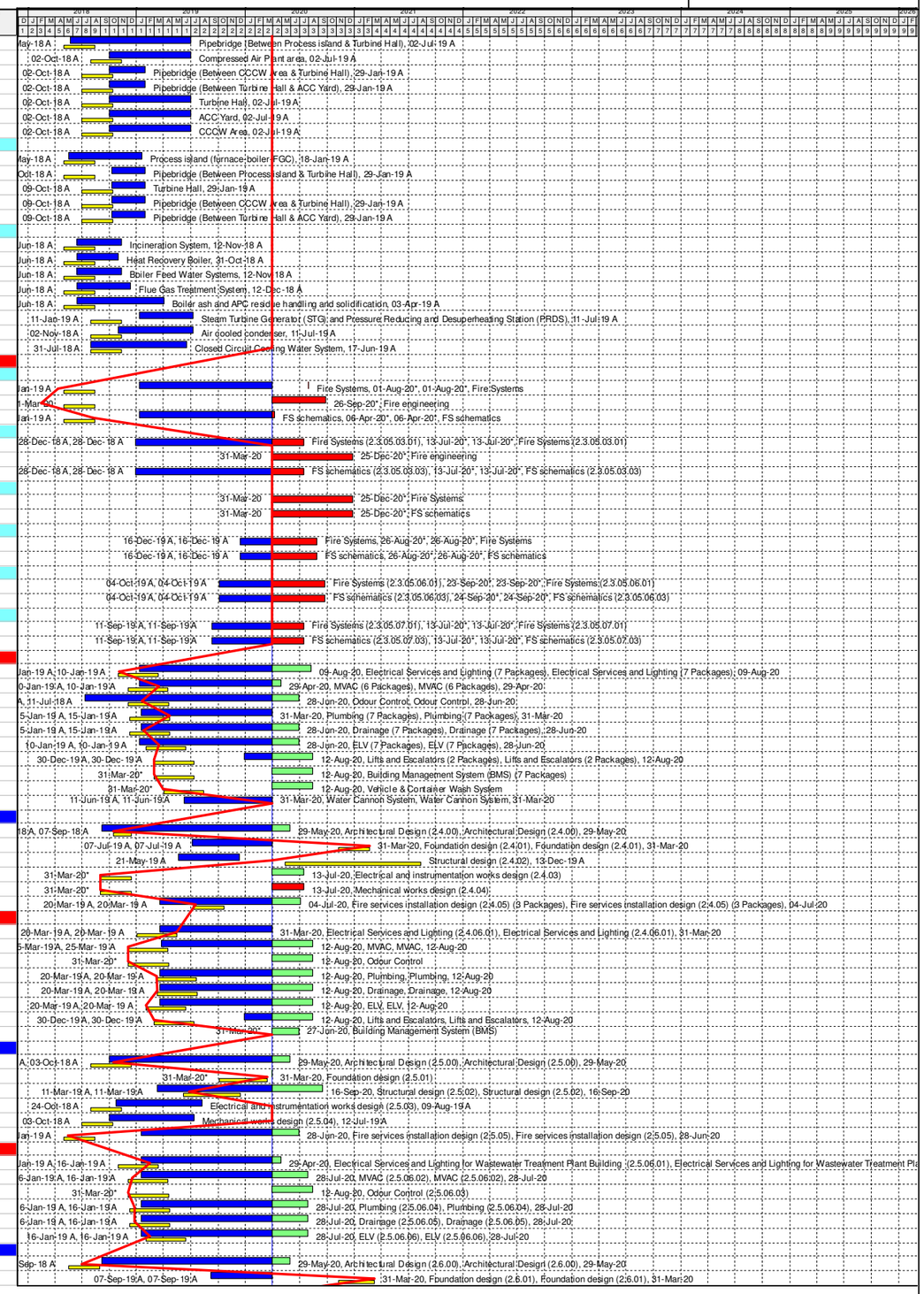
Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
05-1370	Pipebridge (Between Process island & Turbine Hall)	Start On or After	404			24-May-18 A	02-Jul-19 A				100%	
05-1380	Compressed Air Plant area	Start On or After	273			02-Oct-18 A	02-Jul-19 A				100%	
05-1390	Pipebridge (Between CCCW Area & Turbine Hall)	Start On or After	119			02-Oct-18 A	29-Jan-19 A				100%	
05-1400	Pipebridge (Between Turbine Hall & ACC Yard)	Start On or After	119			02-Oct-18 A	29-Jan-19 A				100%	
05-1410	Turbine Hall	Start On or After	273			02-Oct-18 A	02-Jul-19 A				100%	
05-1420	ACC Yard	Start On or After	273			02-Oct-18 A	02-Jul-19 A				100%	
05-1540	CCCW Area	Start On or After	273			02-Oct-18 A	02-Jul-19 A				100%	
EP_SP_66_12-WP-3-M28.05.01.03.5.3 Process steel structure support (For eqipment, piping & duct, cable tray etc)			257			17-May-18 A	29-Jan-19 A					
05-3100	Process island (furnace-boiler-FGC)	Start On or After	246			17-May-18 A	18-Jan-19 A				100%	
05-3110	Pipebridge (Between Process island & Turbine Hall)	Start On or After	112			09-Oct-18 A	29-Jan-19 A				100%	
05-3120	Turbine Hall	Start On or After	112			09-Oct-18 A	29-Jan-19 A				100%	
05-3130	Pipebridge (Between CCCW Area & Turbine Hall)	Start On or After	112			09-Oct-18 A	29-Jan-19 A				100%	
05-3140	Pipebridge (Between Turbine Hall & ACC Yard)	Start On or After	112			09-Oct-18 A	29-Jan-19 A				100%	
EP_SP_66_12-WP-3-M28.05.01.03.5.4 Equipment and piping insulation			391			15-Jun-18 A	11-Jul-19 A					
05-1430	Incineration System	Start On or After	150			15-Jun-18 A	12-Nov-18 A				100%	
05-1440	Heat Recovery Boiler	Start On or After	138			15-Jun-18 A	31-Oct-18 A				100%	
05-1450	Boiler Feed Water Systems	Start On or After	150			15-Jun-18 A	12-Nov-18 A				100%	
05-1460	Flue Gas Treatment System	Start On or After	180			15-Jun-18 A	12-Dec-18 A				100%	
05-1470	Boiler ash and APC residue handling and solidification	Start On or After	292			15-Jun-18 A	03-Apr-19 A				100%	
05-1480	Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PRDS)	Start On or After	181			11-Jan-19 A	11-Jul-19 A				100%	
05-1490	Air cooled condenser	Start On or After	251			02-Nov-18 A	11-Jul-19 A				100%	
05-1500	Closed Circuit Cooling Water System	Start On or After	321			31-Jul-18 A	17-Jun-19 A				100%	
EP_SP_66_12-WP-3-M28.05.01.03.6 Fire services installation design (2.3.05)			729	31-Mar-20	25-Dec-20	28-Dec-18 A	25-Dec-20	30-Aug-18	10-Jun-20	-198		
EP_SP_66_12-WP-3-M28.05.01.03.6.1 Process Building (2.3.05.01)			626	31-Mar-20	26-Sep-20	10-Jan-19 A	26-Sep-20	10-Apr-19	07-Oct-19	-355		
05-1510	Fire Systems	Finish On or Before	569	01-Aug-20	01-Aug-20	10-Jan-19 A	01-Aug-20*	07-Oct-19	07-Oct-19	-298	5%	
05-1520	Fire engineering	Finish On or Before	180	31-Mar-20	26-Sep-20	31-Mar-20	26-Sep-20*	10-Apr-19	06-Oct-19	-356	0%	
05-1530	FS schematics	Finish On or Before	453	31-Mar-20	06-Apr-20	10-Jan-19 A	06-Apr-20*	01-Oct-19	07-Oct-19	-182	5%	
EP_SP_66_12-WP-3-M28.05.01.03.6.3 Turbin Hall Building (2.3.05.03)			729	31-Mar-20	25-Dec-20	28-Dec-18 A	25-Dec-20	17-Apr-19	11-Jan-20	-349		
05-5400	Fire Systems (2.3.05.03.01)	Finish On or Before	564	31-Mar-20	13-Jul-20	28-Dec-18 A	13-Jul-20*	22-Jun-19	04-Oct-19	-283	25%	
05-5410 (M22)	Fire engineering	Finish On or Before	270	31-Mar-20	25-Dec-20	31-Mar-20	25-Dec-20*	17-Apr-19	11-Jan-20	-349	0%	
05-5420 (M22)	FS schematics (2.3.05.03.03)	Finish On or Before	564	31-Mar-20	13-Jul-20	28-Dec-18 A	13-Jul-20*	22-Jun-19	04-Oct-19	-283	25%	
EP_SP_66_12-WP-3-M28.05.01.03.6.4 Air Compressor Building (2.3.05.04)			270	31-Mar-20	25-Dec-20	31-Mar-20	25-Dec-20	30-Aug-18	26-May-19	-579		
05-5430 (M22)	Fire Systems	Finish On or Before	270	31-Mar-20	25-Dec-20	31-Mar-20	25-Dec-20*	30-Aug-18	26-May-19	-579	0%	
05-5440 (M22)	FS schematics	Finish On or Before	270	31-Mar-20	25-Dec-20	31-Mar-20	25-Dec-20*	30-Aug-18	26-May-19	-579	0%	
EP_SP_66_12-WP-3-M28.05.01.03.6.5 Elevated Drive Way and Associated Structures (2.3.05.05)			255	31-Mar-20	26-Aug-20	16-Dec-19 A	26-Aug-20	29-Oct-19	25-Mar-20	-154		
05-5445 (M22)	Fire Systems	Finish On or Before	255	31-Mar-20	26-Aug-20	16-Dec-19 A	26-Aug-20*	29-Oct-19	25-Mar-20	-154	5%	
05-5450 (M22)	FS schematics	Finish On or Before	255	31-Mar-20	26-Aug-20	16-Dec-19 A	26-Aug-20*	29-Oct-19	25-Mar-20	-154	5%	
EP_SP_66_12-WP-3-M28.05.01.03.6.6 Reception Pavilion (2.3.05.06)			357	31-Mar-20	24-Sep-20	04-Oct-19 A	24-Sep-20	16-Dec-19	10-Jun-20	-106		
05-5460 (M22)	Fire Systems (2.3.05.06.01)	Finish On or Before	356	31-Mar-20	23-Sep-20	04-Oct-19 A	23-Sep-20*	17-Dec-19	10-Jun-20	-105	5%	
05-5470 (M22)	FS schematics (2.3.05.06.03)	Finish On or Before	357	31-Mar-20	24-Sep-20	04-Oct-19 A	24-Sep-20*	16-Dec-19	10-Jun-20	-106	5%	
EP_SP_66_12-WP-3-M28.05.01.03.6.7 Compressor & Closed Circuit (2.3.05.07)			307	31-Mar-20	13-Jul-20	11-Sep-19 A	13-Jul-20	13-Oct-19	25-Jan-20	-170		
05-5480 (M22)	Fire Systems (2.3.05.07.01)	Finish On or Before	307	31-Mar-20	13-Jul-20	11-Sep-19 A	13-Jul-20*	13-Oct-19	25-Jan-20	-170	45%	
05-5490 (M22)	FS schematics (2.3.05.07.03)	Finish On or Before	307	31-Mar-20	13-Jul-20	11-Sep-19 A	13-Jul-20*	13-Oct-19	25-Jan-20	-170	45%	
EP_SP_66_12-WP-3-M28.05.01.03.7 Building services design (excluding fire services installation design) (2.3.06)			764	31-Mar-20	12-Aug-20	11-Jul-18 A	12-Aug-20	19-May-20	29-Apr-21	259		
05-1550	Electrical Services and Lighting (7 Packages)	Start On or After	577	31-Mar-20	09-Aug-20	10-Jan-19 A	09-Aug-20	23-Jul-20	02-Dec-20	115	12.5%	
05-1560	MVAC (6 Packages)	Start On or After	476	31-Mar-20	29-Apr-20	10-Jan-19 A	29-Apr-20	12-Oct-20	11-Nov-20	195	5%	
05-1570	Odour Control	Start On or After	719	31-Mar-20	28-Jun-20	11-Jul-18 A	28-Jun-20	13-Aug-20	11-Nov-20	135	5%	
05-1580	Plumbing (7 Packages)	Start On or After	441	31-Mar-20	31-Mar-20	15-Jan-19 A	31-Mar-20	16-Nov-20	16-Nov-20	230	5%	
05-1590	Drainage (7 Packages)	Start On or After	531	31-Mar-20	28-Jun-20	15-Jan-19 A	28-Jun-20	18-Aug-20	16-Nov-20	140	5%	
05-1600	ELV (7 Packages)	Start On or After	536	31-Mar-20	28-Jun-20	10-Jan-19 A	28-Jun-20	17-Nov-20	15-Feb-21	231	5%	
05-1610	Lifts and Escalators (2 Packages)	Start On or After	227	31-Mar-20	12-Aug-20	30-Dec-19 A	12-Aug-20	04-Jun-20	17-Oct-20	65	5%	
05-1630	Building Management System (BMS) (7 Packages)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	19-May-20	30-Sep-20	49	0%	
05-1770	Vehicle & Container Wash System	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	01-Oct-20	13-Feb-21	184	0%	
05-1770-1(M20)	Water Cannon System	Start On or After	294	31-Mar-20	31-Mar-20	11-Jun-19 A	31-Mar-20	29-Apr-21	29-Apr-21	394	5%	
EP_SP_66_12-WP-3-M28.05.01.04 AIP Mechanical Treatment Plant Building (2.4)			706	31-Mar-20	12-Aug-20	07-Sep-18 A	12-Aug-20	19-Nov-19	25-Oct-21	438		
05-1640	Architectural Design (2.4.00)		631	31-Mar-20	29-May-20	07-Sep-18 A	29-May-20	22-Nov-20	21-Jan-21	236	65%	
05-1650	Foundation design (2.4.01)	Start On or After	268	31-Mar-20	31-Mar-20	07-Jul-19 A	31-Mar-20	25-Oct-21	25-Oct-21	573	65%	
05-1660	Structural design (2.4.02)	Start On or After	206			21-May-19 A	13-Dec-19 A				100%	
05-1670	Electrical and instrumentation works design (2.4.03)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	14-Jul-20	27-Oct-20	105	0%	
05-1680	Mechanical works design (2.4.04)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	19-Nov-19	03-Mar-20	-133	0%	
05-1690	Fire services installation design (2.4.05) (3 Packages)	Start On or After	472	31-Mar-20	04-Jul-20	20-Mar-19 A	04-Jul-20	31-Jan-21	06-May-21	306	9.5%	
EP_SP_66_12-WP-3-M28.05.01.04.7 Building services design (excluding fire services installation design) (2.4.06)			512	31-Mar-20	12-Aug-20	20-Mar-19 A	12-Aug-20	15-Apr-20	15-May-21	275		
05-1700	Electrical Services and Lighting (2.4.06.01)	Start On or After	377	31-Mar-20	31-Mar-20	20-Mar-19 A	31-Mar-20	02-Dec-20	02-Dec-20	246	5%	
05-1710	MVAC	Start On or After	507	31-Mar-20	12-Aug-20	25-Mar-19 A	12-Aug-20	15-Apr-20	28-Aug-20	15	5%	
05-1720	Odour Control	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	15-Apr-20	28-Aug-20	15	0%	
05-1730	Plumbing	Start On or After	512	31-Mar-20	12-Aug-20	20-Mar-19 A	12-Aug-20	04-Jul-20	16-Nov-20	95	5%	
05-1740	Drainage	Start On or After	512	31-Mar-20	12-Aug-20	20-Mar-19 A	12-Aug-20	04-Jul-20	16-Nov-20	95	5%	
05-1750	ELV	Start On or After	512	31-Mar-20	12-Aug-20	20-Mar-19 A	12-Aug-20	20-Jul-20	02-Dec-20	111	5%	
05-1760	Lifts and Escalators	Start On or After	227	31-Mar-20	12-Aug-20	30-Dec-19 A	12-Aug-20	31-Dec-20	15-May-21	275	5%	
05-1760-1(M20)	Building Management System (BMS)	Start On or After	89	31-Mar-20	27-Jun-20	31-Mar-20*	27-Jun-20	04-Jul-20	30-Sep-20	95	0%	
EP_SP_66_12-WP-3-M28.05.01.05 AIP Wastewater Treatment Plant (2.5)			715	31-Mar-20	16-Sep-20	03-Oct-18 A	16-Sep-20	15-Apr-20	04-Jul-21	290		
05-1780	Architectural Design (2.5.00)	Start On or After	605	31-Mar-20	29-May-20	03-Oct-18 A	29-May-20	26-Dec-20	24-Feb-21	270	65%	
05-1790	Foundation design (2.5.01)	Start On or After	0	31-Mar-20	31-Mar-20	31-Mar-20*	31-Mar-20	04-Jul-21	04-Jul-21	460	0%	
05-1800	Structural design (2.5.02)	Start On or After	556	31-Mar-20	16-Sep-20	11-Mar-19 A	16-Sep-20	30-May-20	16-Nov-20	60	45%	
05-1810	Electrical and instrumentation works design (2.5.03)	Start On or After	289			24-Oct-18 A	09-Aug-19 A				100%	
05-1820	Mechanical works design (2.5.04)	Start On or After	282			03-Oct-18 A	12-Jul-19 A				100%	
05-2790	Fire services installation design (2.5.05)		530	31-Mar-20	28-Jun-20	16-Jan-19 A	28-Jun-20	05-Feb-21	06-May-21	311	5%	
EP_SP_66_12-WP-3-M28.05.01.05.7 Building services design (excluding fire services installation design) (2.5.06)			575	31-Mar-20	12-Aug-20	16-Jan-19 A	12-Aug-20	15-Apr-20	02-Dec-20	111		
05-1830	Electrical Services and Lighting for Wastewater Treatment Plant Building (2.5.06.01)	Start On or After	470	31-Mar-20	29-Apr-20	16-Jan-19 A	29-Apr-20	02-Nov-20	02-Dec-20	216	25%	
05-1840	MVAC (2.5.06.02)	Start On or After	560	31-Mar-20	28-Jul-20	16-Jan-19 A	28-Jul-20	30-Apr-20	28-Aug-20	30	25%	
05-1850	Odour Control (2.5.06.03)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	15-Apr-20	28-Aug-20	15	0%	
05-1860	Plumbing (2.5.06.04)	Start On or After	560	31-Mar-20	28-Jul-20	16-Jan-19 A	28-Jul-20	19-Jul-20	16-Nov-20	110	25%	
05-1870	Drainage (2.5.06.05)	Start On or After	560	31-Mar-20	28-Jul-20	16-Jan-19 A	28-Jul-20	19-Jul-20	16-Nov-20	110	25%	
05-1880	ELV (2.5.06.06)	Start On or After	560	31-Mar-20	28-Jul-20	16-Jan-19 A	28-Jul-20	04-Aug-20	02-Dec-20	126	25%	
EP_SP_66_12-WP-3-M28.05.01.06 AIP Desalination Plant Building (2.6)			706	31-Mar-20	12-Aug-20	07-Sep-18 A	12-Aug-20	15-Apr-20	25-Sep-21	408		
05-1900	Architectural Design (2.6.00)	Start On or After	631	31-Mar-20	29-May-20	07-Sep-18 A	29-May-20	22-Nov-20	21-Jan-21	236	65%	
05-1910	Foundation design (2.6.01)	Start On or After	206	31-Mar-20	31-Mar-20	07-Sep-19 A	31-Mar-20	25-Sep-21	25-Sep-21	543	65%	

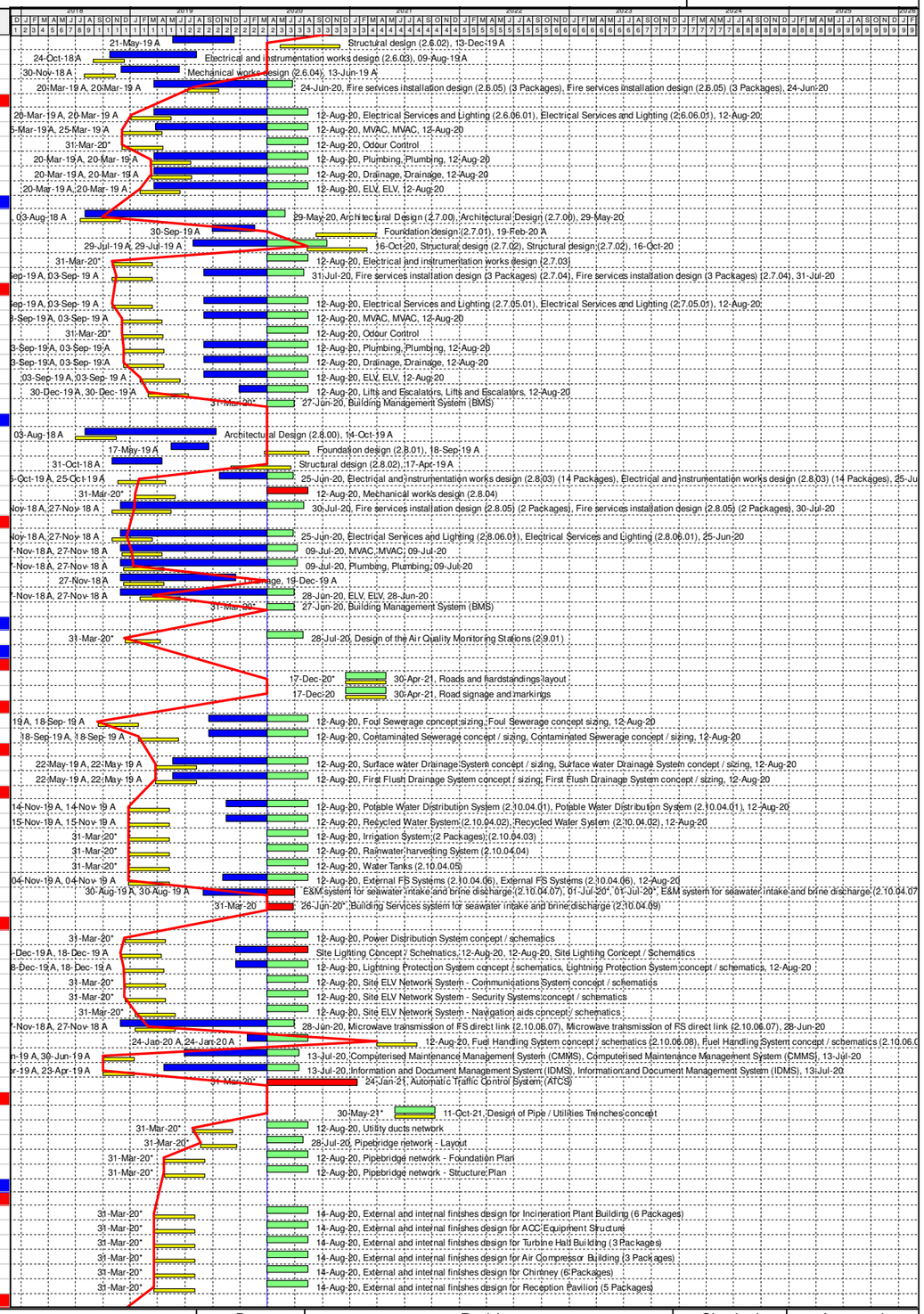


Programme for Design and Construction Works March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
05-1920	Structural design (2.6.02)	Start On or After	206			21-May-19 A	13-Dec-19 A				100%	
05-1930	Electrical and instrumentation works design (2.6.03)	Start On or After	289			24-Oct-18 A	09-Aug-19 A				100%	
05-1940	Mechanical works design (2.6.04)	Start On or After	195			30-Nov-18 A	13-Jun-19 A				100%	
05-1950	Fire services installation design (2.6.05) (3 Packages)		462	31-Mar-20	24-Jun-20	20-Mar-19 A	24-Jun-20	09-Feb-21	06-May-21	316	19%	
EP_SP_66_12-WP-3-M28.05.01.06.7	Building services design (excluding fire services installation design) (2.6.06)		512	31-Mar-20	12-Aug-20	20-Mar-19 A	12-Aug-20	15-Apr-20	02-Dec-20	111		
05-1960	Electrical Services and Lighting (2.6.06.01)	Start On or After	512	31-Mar-20	12-Aug-20	20-Mar-19 A	12-Aug-20	20-Jul-20	02-Dec-20	111	5%	
05-1970	MVAC	Start On or After	507	31-Mar-20	12-Aug-20	25-Mar-19 A	12-Aug-20	15-Apr-20	28-Aug-20	15	5%	
05-1980	Odour Control	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	15-Apr-20	28-Aug-20	15	0%	
05-1990	Plumbing	Start On or After	512	31-Mar-20	12-Aug-20	20-Mar-19 A	12-Aug-20	04-Jul-20	16-Nov-20	95	5%	
05-2000	Drainage	Start On or After	512	31-Mar-20	12-Aug-20	20-Mar-19 A	12-Aug-20	04-Jul-20	16-Nov-20	95	5%	
05-2010	ELV	Start On or After	512	31-Mar-20	12-Aug-20	20-Mar-19 A	12-Aug-20	20-Jul-20	02-Dec-20	111	5%	
EP_SP_66_12-WP-3-M28.05.01.07	AIP Administration Building (2.7)		806	31-Mar-20	16-Oct-20	03-Aug-18 A	16-Oct-20	15-Apr-20	27-Apr-22	557		
05-2020	Architectural Design (2.7.00)	Start On or After	666	31-Mar-20	29-May-20	03-Aug-18 A	29-May-20	23-Oct-20	22-Dec-20	206	65%	
05-2030	Foundation design (2.7.01)	Start On or After	142			30-Sep-19 A	19-Feb-20 A				100%	
05-2040	Structural design (2.7.02)	Start On or After	446	31-Mar-20	16-Oct-20	29-Jul-19 A	16-Oct-20	09-Oct-21	27-Apr-22	557	65%	
05-2050	Electrical and instrumentation works design (2.7.03)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	04-Oct-20	16-Feb-21	187	0%	
05-2060	Fire services installation design (3 Packages) (2.7.04)	Start On or After	332	31-Mar-20	31-Jul-20	03-Sep-19 A	31-Jul-20	04-Dec-20	06-Apr-21	249	9.5%	
EP_SP_66_12-WP-3-M28.05.01.07.6	Building services design (excluding fire services installation design) (2.7.05)		345	31-Mar-20	12-Aug-20	03-Sep-19 A	12-Aug-20	15-Apr-20	02-Dec-20	111		
05-2070	Electrical Services and Lighting (2.7.05.01)	Start On or After	345	31-Mar-20	12-Aug-20	03-Sep-19 A	12-Aug-20	20-Jul-20	02-Dec-20	111	5%	
05-2080	MVAC	Start On or After	345	31-Mar-20	12-Aug-20	03-Sep-19 A	12-Aug-20	15-Apr-20	28-Aug-20	15	5%	
05-2090	Odour Control	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	15-Apr-20	28-Aug-20	15	0%	
05-2100	Plumbing	Start On or After	345	31-Mar-20	12-Aug-20	03-Sep-19 A	12-Aug-20	04-Jul-20	16-Nov-20	95	5%	
05-2110	Drainage	Start On or After	345	31-Mar-20	12-Aug-20	03-Sep-19 A	12-Aug-20	04-Jul-20	16-Nov-20	95	5%	
05-2120	ELV	Start On or After	345	31-Mar-20	12-Aug-20	03-Sep-19 A	12-Aug-20	20-Jul-20	02-Dec-20	111	5%	
05-2130	Lifts and Escalators	Start On or After	227	31-Mar-20	12-Aug-20	30-Dec-19 A	12-Aug-20	04-Jun-20	17-Oct-20	65	5%	
05-2130-1(M20)	Building Management System (BMS)	Start On or After	89	31-Mar-20	27-Jun-20	31-Mar-20*	27-Jun-20	04-Jul-20	30-Sep-20	95	0%	
EP_SP_66_12-WP-3-M28.05.01.08	AIP IWMF Substation (2.8)		741	31-Mar-20	12-Aug-20	03-Aug-18 A	12-Aug-20	01-Mar-20	21-Jan-21	161		
05-2140	Architectural Design (2.8.00)	Start On or After	437			03-Aug-18 A	14-Oct-19 A				100%	
05-2150	Foundation design (2.8.01)		124			17-May-19 A	18-Sep-19 A				100%	
05-2160	Structural design (2.8.02)		168			31-Oct-18 A	17-Apr-19 A				100%	
05-2170	Electrical and instrumentation works design (2.8.03) (14 Packages)	Start On or After	245	31-Mar-20	25-Jun-20	25-Oct-19 A	25-Jun-20	02-Jul-20	27-Sep-20	93	51.67%	
05-2180	Mechanical works design (2.8.04)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	01-Mar-20	14-Jul-20	-30	0%	
05-2190	Fire services installation design (2.8.05) (2 Packages)	Start On or After	612	31-Mar-20	30-Jul-20	27-Nov-18 A	30-Jul-20	21-Sep-20	21-Jan-21	174	28.5%	
EP_SP_66_12-WP-3-M28.05.01.08.7	Building services design (excluding fire services installation design) (2.8.06)		591	31-Mar-20	09-Jul-20	27-Nov-18 A	09-Jul-20	19-May-20	02-Dec-20	145		
05-2200	Electrical Services and Lighting (2.8.06.01)	Start On or After	576	31-Mar-20	25-Jun-20	27-Nov-18 A	25-Jun-20	06-Sep-20	02-Dec-20	160	36%	
05-2210	MVAC	Start On or After	591	31-Mar-20	09-Jul-20	27-Nov-18 A	09-Jul-20	19-May-20	28-Aug-20	49	65%	
05-2220	Plumbing	Start On or After	591	31-Mar-20	09-Jul-20	27-Nov-18 A	09-Jul-20	07-Aug-20	16-Nov-20	129	65%	
05-2230	Drainage	Start On or After	387			27-Nov-18 A	19-Dec-19 A				100%	
05-2240	ELV	Start On or After	580	31-Mar-20	28-Jun-20	27-Nov-18 A	28-Jun-20	03-Sep-20	02-Dec-20	156	65%	
05-2240-1(M20)	Building Management System (BMS)	Start On or After	89	31-Mar-20	27-Jun-20	31-Mar-20*	27-Jun-20	03-Jul-20	29-Sep-20	94	0%	
EP_SP_66_12-WP-3-M28.05.01.09	AIP Air Quality Monitoring Stations (2.9)		120	31-Mar-20	28-Jul-20	31-Mar-20	28-Jul-20	06-Jul-20	03-Nov-20	97		
05-2250	Design of the Air Quality Monitoring Stations (2.9.01)	Start On or After	120	31-Mar-20	28-Jul-20	31-Mar-20*	28-Jul-20	06-Jul-20	03-Nov-20	97	0%	
EP_SP_66_12-WP-3-M28.05.01.10	AIP Roads and Utilities (2.10)		1050	31-Mar-20	11-Oct-21	27-Nov-18 A	11-Oct-21	30-Nov-19	07-Jun-23	603		
EP_SP_66_12-WP-3-M28.05.01.10.1	Permanent road works layout on the Artificial Island (2.10.01)		135	17-Dec-20	30-Apr-21	17-Dec-20	30-Apr-21	26-Aug-22	07-Jun-23	767		
05-2260	Roads and hardstandings layout	Start On or After	135	17-Dec-20	30-Apr-21	17-Dec-20*	30-Apr-21	26-Aug-22	08-Jan-23	617	0%	
05-2270	Road signage and markings		135	17-Dec-20	30-Apr-21	17-Dec-20	30-Apr-21	23-Jan-23	07-Jun-23	767	0%	
EP_SP_66_12-WP-3-M28.05.01.10.2	Sewerage design on the Artificial Island (2.10.02)		330	31-Mar-20	12-Aug-20	18-Sep-19 A	12-Aug-20	03-Aug-20	30-Jan-22	535		
05-2280	Foul Sewerage concept sizing	Start On or After	330	31-Mar-20	12-Aug-20	18-Sep-19 A	12-Aug-20	03-Aug-20	16-Dec-20	125	65%	
05-2290	Contaminated Sewerage concept / sizing	Start On or After	330	31-Mar-20	12-Aug-20	18-Sep-19 A	12-Aug-20	17-Sep-21	30-Jan-22	535	65%	
EP_SP_66_12-WP-3-M28.05.01.10.3	Drainage system design on the Artificial Island (2.10.03)		449	31-Mar-20	12-Aug-20	22-May-19 A	12-Aug-20	03-Aug-20	05-Apr-21	235		
05-2300	Surface water Drainage System concept / sizing	Start On or After	449	31-Mar-20	12-Aug-20	22-May-19 A	12-Aug-20	03-Aug-20	16-Dec-20	125	65%	
05-2310	First Flush Drainage System concept / sizing	Start On or After	449	31-Mar-20	12-Aug-20	22-May-19 A	12-Aug-20	21-Nov-20	05-Apr-21	235	65%	
EP_SP_66_12-WP-3-M28.05.01.10.4	Water supply system design on the Artificial Island (2.10.04)		349	31-Mar-20	12-Aug-20	30-Aug-19 A	12-Aug-20	30-Nov-19	01-Mar-22	565		
05-2320	Potable Water Distribution System (2.10.04.01)	Start On or After	273	31-Mar-20	12-Aug-20	14-Nov-19 A	12-Aug-20	28-Aug-21	10-Jan-22	515	5%	
05-2330	Recycled Water System (2.10.04.02)	Start On or After	272	31-Mar-20	12-Aug-20	15-Nov-19 A	12-Aug-20	28-Aug-21	10-Jan-22	515	5%	
05-2340	Irrigation System (2 Packages) (2.10.04.03)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	03-Aug-20	16-Dec-20	125	0%	
05-2350	Rainwater harvesting System (2.10.04.04)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	03-Aug-20	16-Dec-20	125	0%	
05-2360	Water Tanks (2.10.04.05)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	17-Oct-21	01-Mar-22	565	0%	
05-2370	External FS Systems (2.10.04.06)	Start On or After	283	31-Mar-20	12-Aug-20	04-Nov-19 A	12-Aug-20	17-Oct-21	01-Mar-22	565	5%	
05-2370-1(M24)	E&M system for seawater intake and brine discharge (2.10.04.07)	Finish On or Before	307	31-Mar-20	01-Jul-20	30-Aug-19 A	01-Jul-20*	30-Nov-19	01-Mar-20	-122	5%	
05-2370-2(M24)	Building Services system for seawater intake and brine discharge (2.10.04.09)	Finish On or Before	88	31-Mar-20	26-Jun-20	31-Mar-20	26-Jun-20*	30-Nov-19	25-Feb-20	-122	0%	
EP_SP_66_12-WP-3-M28.05.01.10.6	Design of telecommunication and other utilities (2.10.06)		790	31-Mar-20	24-Jan-21	27-Nov-18 A	24-Jan-21	18-Dec-19	23-Jan-23	728		
05-2380	Power Distribution System concept / schematics	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	31-Dec-20	15-May-21	275	0%	
05-2390	Site Lighting Concept / Schematics	Start On or After	239	31-Mar-20	12-Aug-20	18-Dec-19 A	12-Aug-20	26-Jan-20	09-Jun-20	-65	5%	
05-2400	Lightning Protection System concept / schematics	Start On or After	239	31-Mar-20	12-Aug-20	18-Dec-19 A	12-Aug-20	13-Aug-20	26-Dec-20	135	5%	
05-2410	Site ELV Network System - Communications System concept / schematics	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	31-Dec-20	15-May-21	275	0%	
05-2420	Site ELV Network System - Security Systems concept / schematics	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	31-Dec-20	15-May-21	275	0%	
05-2430	Site ELV Network System - Navigation aids concept / schematics	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	31-Dec-20	15-May-21	275	0%	
05-2440	Microwave transmission of FS direct link (2.10.06.07)	Start On or After	580	31-Mar-20	28-Jun-20	27-Nov-18 A	28-Jun-20	14-Feb-21	15-May-21	320	45%	
05-2450	Fuel Handling System concept / schematics (2.10.06.08)	Start On or After	202	31-Mar-20	12-Aug-20	24-Jan-20 A	12-Aug-20	10-Sep-22	23-Jan-23	893	0%	
05-3190	Computerised Maintenance Management System (CMMS)	Start On or After	380	31-Mar-20	13-Jul-20	30-Jun-19 A	13-Jul-20	28-May-20	10-Sep-20	58	0%	
05-3200	Information and Document Management System (IDMS)	Start On or After	448	31-Mar-20	13-Jul-20	23-Apr-19 A	13-Jul-20	28-May-20	10-Sep-20	58	0%	
05-3840 (M22)	Automatic Traffic Control System (ATCS)	Start On	300	31-Mar-20	24-Jan-21	31-Mar-20*	24-Jan-21	18-Dec-19	12-Oct-20	-104	0%	
EP_SP_66_12-WP-3-M28.05.01.10.7	Utility ducts/Pipebridges design (2.10.25)		560	31-Mar-20	11-Oct-21	31-Mar-20	11-Oct-21	19-Apr-20	03-May-23	568		
05-2460	Design of Pipe / Utilities Trenches concept	Start On or After	135	30-May-21	11-Oct-21	30-May-21*	11-Oct-21	19-Dec-22	03-May-23	568	0%	
05-2470	Utility ducts network	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	19-Apr-20	01-Sep-20	19	0%	
05-2480	Pipebridge network - Layout	Start On or After	120	31-Mar-20	28-Jul-20	31-Mar-20*	28-Jul-20	04-May-20	01-Sep-20	34	0%	
05-2490	Pipebridge network - Foundation Plan	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	19-Apr-20	01-Sep-20	19	0%	
05-2500	Pipebridge network - Structure Plan	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	19-Apr-20	01-Sep-20	19	0%	
EP_SP_66_12-WP-3-M28.05.01.11	AIP Architectural, Finishes and Landscaping Works (2.11)		137	31-Mar-20	14-Aug-20	31-Mar-20	14-Aug-20	04-Aug-20	11-Mar-22	573		
EP_SP_66_12-WP-3-M28.05.01.11.1	External and internal finishes design for Incineration Plant Buildings (2.11.01)		137	31-Mar-20	14-Aug-20	31-Mar-20	14-Aug-20	28-Jun-21	10-Feb-22	544		
05-2510	External and internal finishes design for Incineration Plant Building (6 Packages)	Start On or After	137	31-Mar-20	14-Aug-20	31-Mar-20*	14-Aug-20	28-Jun-21	12-Nov-21	454	0%	
05-2520	External and internal finishes design for ACC Equipment Structure	Start On or After	137	31-Mar-20	14-Aug-20	31-Mar-20*	14-Aug-20	28-Jun-21	12-Nov-21	454	0%	
05-2530	External and internal finishes design for Turbine Hall Building (3 Packages)	Start On or After	137	31-Mar-20	14-Aug-20	31-Mar-20*	14-Aug-20	26-Sep-21	10-Feb-22	544	0%	
05-2540	External and internal finishes design for Air Compressor Building (3 Packages)	Start On or After	137	31-Mar-20	14-Aug-20	31-Mar-20*	14-Aug-20	24-Aug-21	08-Jan-22	511	0%	
05-2550	External and internal finishes design for Chimney (6 Packages)	Start On or After	137	31-Mar-20	14-Aug-20	31-Mar-20*	14-Aug-20	27-Aug-21	11-Jan-22	514	0%	
05-2560	External and internal finishes design for Reception Pavilion (5 Packages)	Start On or After	137	31-Mar-20	14-Aug-20	31-Mar-20*	14-Aug-20	27-Aug-21	11-Jan-22	514	0%	
EP_SP_66_12-WP-3-M28.05.01.11.2	External and internal finishes design for MT Plant Building (2.11.02)		136	31-Mar-20	13-Aug-20	31-Mar-20	13-Aug-20	13-Jun-21	27-Oct-21	439		

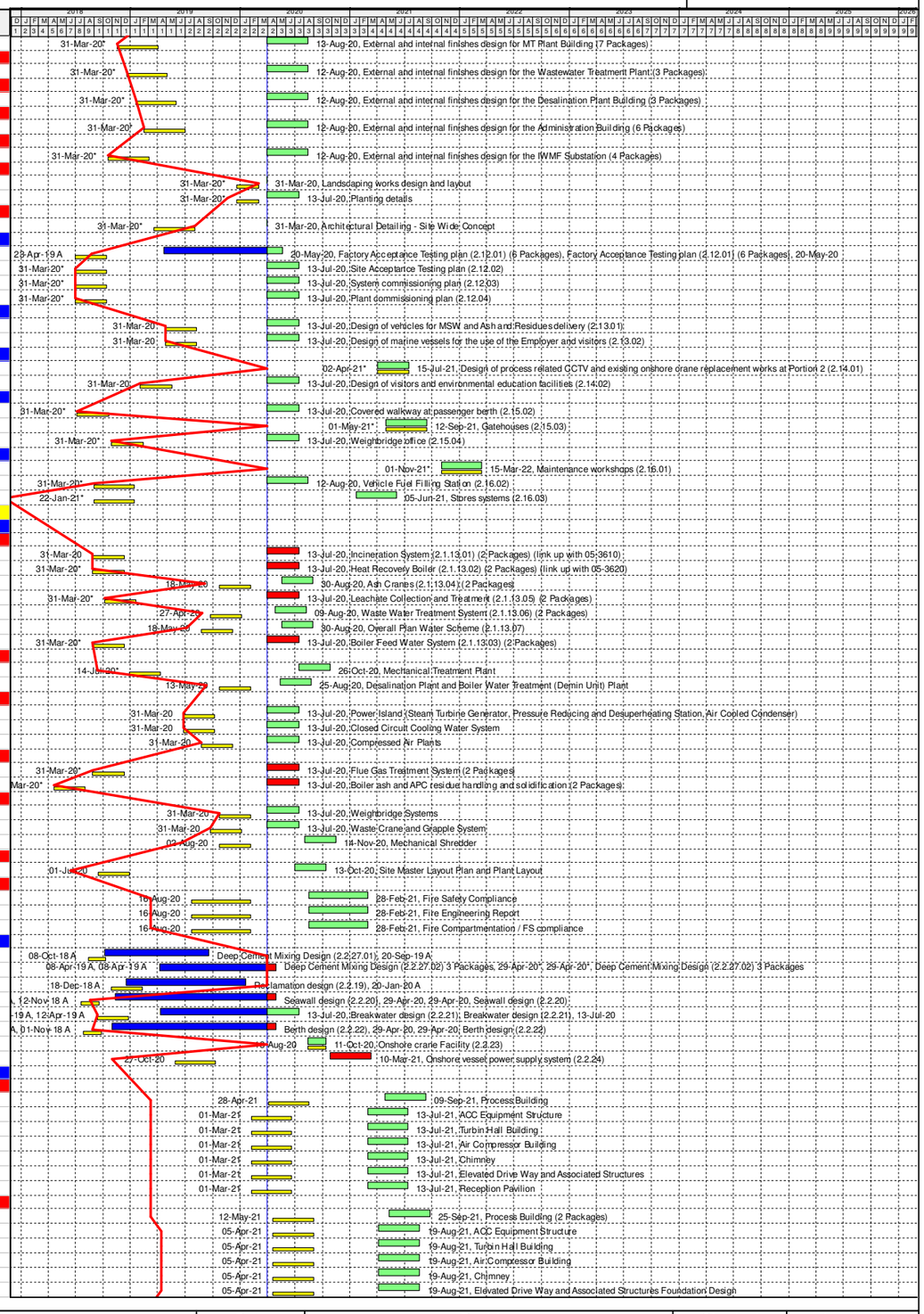


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
05-2570	External and internal finishes design for MT Plant Building (7 Packages)	Start On or After	136	31-Mar-20	13-Aug-20	31-Mar-20*	13-Aug-20	13-Jun-21	27-Oct-21	439	0%	
EP_SP_66_12-WP-3-M28.05.01.11.3 External and internal finishes design for the Wastewater Treatment Plant (2.11.03)			135	31-Mar-20	12-Aug-20	31-Mar-20	12-Aug-20	14-Jun-21	27-Oct-21	440		
05-2580	External and internal finishes design for the Wastewater Treatment Plant (3 Packages)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	14-Jun-21	27-Oct-21	440	0%	
EP_SP_66_12-WP-3-M28.05.01.11.4 External and internal finishes design for the Desalination Plant Building (2.11.04)			135	31-Mar-20	12-Aug-20	31-Mar-20	12-Aug-20	14-Jun-21	27-Oct-21	440		
05-2590	External and internal finishes design for the Desalination Plant Building (3 Packages)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	14-Jun-21	27-Oct-21	440	0%	
EP_SP_66_12-WP-3-M28.05.01.11.5 External and internal finishes design for the Administration Building (2.11.05)			135	31-Mar-20	12-Aug-20	31-Mar-20	12-Aug-20	27-Oct-21	11-Mar-22	575		
05-2600	External and internal finishes design for the Administration Building (6 Packages)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	27-Oct-21	11-Mar-22	575	0%	
EP_SP_66_12-WP-3-M28.05.01.11.6 External and internal finishes design for the IWMF Substation (2.11.06)			135	31-Mar-20	12-Aug-20	31-Mar-20	12-Aug-20	04-Aug-20	17-Dec-20	126		
05-2610	External and internal finishes design for the IWMF Substation (4 Packages)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	04-Aug-20	17-Dec-20	126	0%	
EP_SP_66_12-WP-3-M28.05.01.11.7 Landscape masterplan (2.11.07)			105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	03-Aug-21	16-Nov-21	490		
05-2620	Landscaping works design and layout	Start On or After	0	31-Mar-20	31-Mar-20	31-Mar-20*	31-Mar-20	16-Nov-21	16-Nov-21	595	0%	
05-2630	Planting details	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	03-Aug-21	16-Nov-21	490	0%	
EP_SP_66_12-WP-3-M28.05.01.11.8 Architectural Detailing - Site Wide (2.11.29)			0	31-Mar-20	31-Mar-20	31-Mar-20	31-Mar-20	16-Jan-21	16-Jan-21	291		
05-2640	Architectural Detailing - Site Wide Concept	Start On or After	0	31-Mar-20	31-Mar-20	31-Mar-20*	31-Mar-20	16-Jan-21	16-Jan-21	291	0%	
EP_SP_66_12-WP-3-M28.05.01.12 AIP Testing and Commissioning (2.12)			448	31-Mar-20	13-Jul-20	23-Apr-19 A	13-Jul-20	01-Jun-20	28-Feb-26	2055		
05-2650	Factory Acceptance Testing plan (2.12.01) (6 Packages)	Start On or After	393	31-Mar-20	20-May-20	23-Apr-19 A	20-May-20	08-Jan-26	28-Feb-26	2110	16.6%	
05-2660	Site Acceptance Testing plan (2.12.02)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	01-Jun-20	14-Sep-20	62	0%	
05-2670	System commissioning plan (2.12.03)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	29-Sep-20	12-Jan-21	182	0%	
05-2680	Plant commissioning plan (2.12.04)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	25-Feb-21	10-Jun-21	331	0%	
EP_SP_66_12-WP-3-M28.05.01.13 AIP Transportation Facilities for the Operation (2.13)			105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	30-Aug-20	11-May-21	301		
05-2690	Design of vehicles for MSW and Ash and Residues delivery (2.13.01)		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	30-Aug-20	13-Dec-20	152	0%	
05-2700	Design of marine vessels for the use of the Employer and visitors (2.13.02)		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	26-Jan-21	11-May-21	301	0%	
EP_SP_66_12-WP-3-M28.05.01.14 AIP Miscellaneous Works (2.14)			472	31-Mar-20	15-Jul-21	31-Mar-20	15-Jul-21	25-Jul-21	11-Nov-23	848		
05-2710	Design of process related CCTV and existing onshore crane replacement works at Portion 2 (2.14.01)	Start On or After	105	02-Apr-21	15-Jul-21	02-Apr-21*	15-Jul-21	29-Jul-23	11-Nov-23	848	0%	
05-2720	Design of visitors and environmental education facilities (2.14.02)		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	25-Jul-21	07-Nov-21	481	0%	
EP_SP_66_12-WP-3-M28.05.01.15 AIP Miscellaneous Detailing (2.15)			531	31-Mar-20	12-Sep-21	31-Mar-20	12-Sep-21	20-Oct-20	06-Aug-22	327		
05-2730	Covered walkway at passenger berth (2.15.02)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	20-Oct-20	02-Feb-21	203	0%	
05-2740	Gatehouses (2.15.03)	Start On or After	135	01-May-21	12-Sep-21	01-May-21*	12-Sep-21	24-Mar-22	06-Aug-22	327	0%	
05-2750	Weighbridge office (2.15.04)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	18-Jan-21	03-May-21	293	0%	
EP_SP_66_12-WP-3-M28.05.01.16 AIP Auxiliary Plant Systems (2.16)			715	31-Mar-20	15-Mar-22	31-Mar-20	15-Mar-22	04-Jun-20	28-Dec-22	287		
05-2760	Maintenance workshops (2.16.01)	Start On or After	135	01-Nov-21	15-Mar-22	01-Nov-21*	15-Mar-22	15-Aug-22	28-Dec-22	287	0%	
05-2770	Vehicle Fuel Filling Station (2.16.02)	Start On or After	135	31-Mar-20	12-Aug-20	31-Mar-20*	12-Aug-20	04-Jun-20	17-Oct-20	65	0%	
05-2780	Stores systems (2.16.03)	Start On or After	135	22-Jan-21	05-Jun-21	22-Jan-21*	05-Jun-21	16-Feb-22	01-Jul-22	390	0%	
EP_SP_66_12-WP-3-M28.05.02 DDA Design Package Submissions			1404	31-Mar-20	11-Aug-22	08-Oct-18 A	11-Aug-22	06-Nov-19	28-Feb-26	1296		
EP_SP_66_12-WP-3-M28.05.02.01 DDA Process and Layout Design (2.1)			335	31-Mar-20	28-Feb-21	31-Mar-20	28-Feb-21	19-Feb-20	24-Nov-21	268		
EP_SP_66_12-WP-3-M28.05.02.01.1 MSW treatment process design for incineration (2.1.13)			153	31-Mar-20	30-Aug-20	31-Mar-20	30-Aug-20	19-Feb-20	18-Mar-21	199		
05-5090	Incineration System (2.1.13.01) (2 Packages) (link up with 05-3610)		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	19-Feb-20	03-Jun-20	-41	0%	
05-5100	Heat Recovery Boiler (2.1.13.02) (2 Packages) (link up with 05-3620)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	19-Feb-20	03-Jun-20	-41	0%	
05-5110	Ash Cranes (2.1.13.04) (2 Packages)		105	18-May-20	30-Aug-20	18-May-20	30-Aug-20	08-Oct-20	21-Jan-21	143	0%	
05-5120	Leachate Collection and Treatment (2.1.13.05) (2 Packages)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	19-Feb-20	03-Jun-20	-41	0%	
05-5130	Waste Water Treatment System (2.1.13.06) (2 Packages)		105	27-Apr-20	09-Aug-20	27-Apr-20	09-Aug-20	03-Dec-20	18-Mar-21	220	0%	
05-5140	Overall Plan Water Scheme (2.1.13.07)		105	18-May-20	30-Aug-20	18-May-20	30-Aug-20	18-Nov-20	03-Mar-21	184	0%	
05-5150	Boiler Feed Water System (2.1.13.03) (2 Packages)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	19-Feb-20	03-Jun-20	-41	0%	
EP_SP_66_12-WP-3-M28.05.02.01.2 MSW treatment process design for mechanical treatment (2.1.14)			167	13-May-20	26-Oct-20	13-May-20	26-Oct-20	15-Aug-20	08-Dec-20	42		
05-3500	Mechanical Treatment Plant	Start On or After	105	14-Jul-20	26-Oct-20	14-Jul-20*	26-Oct-20	15-Aug-20	28-Nov-20	32	0%	
05-3510	Desalination Plant and Boiler Water Treatment (Demin Unit) Plant		105	13-May-20	25-Aug-20	13-May-20	25-Aug-20	25-Aug-20	08-Dec-20	104	0%	
EP_SP_66_12-WP-3-M28.05.02.01.3 Waste heat recovery and Power generation system (2.1.15)			105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	08-Nov-20	24-Nov-21	498		
05-5220	Power Island (Steam Turbine Generator, Pressure Reducing and Desuperheating Station, Air Cooled Cond		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	08-Nov-20	21-Feb-21	222	0%	
05-5230	Closed Circuit Cooling Water System		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	11-Aug-21	24-Nov-21	498	0%	
05-5240	Compressed Air Plants		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	11-Aug-21	24-Nov-21	498	0%	
EP_SP_66_12-WP-3-M28.05.02.01.4 Flue gas treatment process design for incineration (2.1.16)			105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	19-Feb-20	03-Jun-20	-41		
05-4660	Flue Gas Treatment System (2 Packages)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	19-Feb-20	03-Jun-20	-41	0%	
05-4980	Boiler ash and APC residue handling and solidification (2 Packages)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	19-Feb-20	03-Jun-20	-41	0%	
EP_SP_66_12-WP-3-M28.05.02.01.5 Logistic arrangement design for MSW and Ash and Residues (2.1.17)			229	31-Mar-20	14-Nov-20	31-Mar-20	14-Nov-20	08-Oct-20	20-Jul-21	247		
05-4390	Weighbridge Systems		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	06-Apr-21	20-Jul-21	371	0%	
05-4400	Waste Crane and Grapple System		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	08-Oct-20	21-Jan-21	191	0%	
05-4410	Mechanical Shredder		105	02-Aug-20	14-Nov-20	02-Aug-20	14-Nov-20	16-Oct-20	29-Jan-21	75	0%	
EP_SP_66_12-WP-3-M28.05.02.01.6 Site Master Layout Plan and Plant Layout (2.1.18)			105	01-Jul-20	13-Oct-20	01-Jul-20	13-Oct-20	02-Apr-21	16-Jul-21	275		
05-3520	Site Master Layout Plan and Plant Layout		105	01-Jul-20	13-Oct-20	01-Jul-20	13-Oct-20	02-Apr-21	16-Jul-21	275	0%	
EP_SP_66_12-WP-3-M28.05.02.01.7 Statutory Fire Compliance (2.1.26)			197	16-Aug-20	28-Feb-21	16-Aug-20	28-Feb-21	10-Nov-20	26-May-21	86		
05-4420	Fire Safety Compliance		197	16-Aug-20	28-Feb-21	16-Aug-20	28-Feb-21	10-Nov-20	26-May-21	86	0%	
05-4450	Fire Engineering Report		197	16-Aug-20	28-Feb-21	16-Aug-20	28-Feb-21	10-Nov-20	26-May-21	86	0%	
05-4460	Fire Compartmentation / FS compliance		197	16-Aug-20	28-Feb-21	16-Aug-20	28-Feb-21	10-Nov-20	26-May-21	86	0%	
EP_SP_66_12-WP-3-M28.05.02.02 DDA Ground Treatment, Reclamation, Seawall, Breakwater, Berth (2.2)			885	31-Mar-20	10-Mar-21	08-Oct-18 A	10-Mar-21	26-Nov-19	22-Jan-22	317		
05-3430	Deep Cement Mixing Design (2.2.27.01)		347			08-Oct-18 A	20-Sep-19 A				80%	
05-3430-1(M24)	Deep Cement Mixing Design (2.2.27.02) 3 Packages	Finish On	388	31-Mar-20	29-Apr-20	08-Apr-19 A	29-Apr-20*	09-Dec-19	07-Jan-20	-113	80%	
05-3440	Reclamation design (2.2.19)		398			18-Dec-18 A	20-Jan-20 A				100%	
05-3450	Seawall design (2.2.20)		535	31-Mar-20	29-Apr-20	12-Nov-18 A	29-Apr-20	26-Dec-19	25-Jan-20	-96	65%	
05-3460	Breakwater design (2.2.21)		459	31-Mar-20	13-Jul-20	12-Apr-19 A	13-Jul-20	09-Oct-21	22-Jan-22	557	65%	
05-3470	Berth design (2.2.22)		546	31-Mar-20	29-Apr-20	01-Nov-18 A	29-Apr-20	26-Nov-19	26-Dec-19	-126	65%	
05-3480	Onshore crane Facility (2.2.23)		60	13-Aug-20	11-Oct-20	13-Aug-20	11-Oct-20	18-Sep-21	17-Nov-21	401	0%	
05-3490	Onshore vessel power supply system (2.2.24)		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	12-Jul-20	24-Nov-20	-107	0%	
EP_SP_66_12-WP-3-M28.05.02.03 DDA Incineration Plant Buildings (2.3)			1109	31-Mar-20	25-Feb-22	13-Feb-19 A	25-Feb-22	06-Nov-19	31-Jan-23	339		
EP_SP_66_12-WP-3-M28.05.02.03.1 Architectural Design (2.3.25)			193	01-Mar-21	09-Sep-21	01-Mar-21	09-Sep-21	16-Jul-21	21-Jun-22	284		
05-3290	Process Building		135	28-Apr-21	09-Sep-21	28-Apr-21	09-Sep-21	23-Jul-21	05-Dec-21	86	0%	
05-3300	ACC Equipment Structure		135	01-Mar-21	13-Jul-21	01-Mar-21	13-Jul-21	18-Oct-21	02-Mar-22	231	0%	
05-3310	Turbin Hall Building		135	01-Mar-21	13-Jul-21	01-Mar-21	13-Jul-21	16-Jul-21	28-Nov-21	137	0%	
05-3320	Air Compressor Building		135	01-Mar-21	13-Jul-21	01-Mar-21	13-Jul-21	27-Jan-22	11-Jun-22	332	0%	
05-3330	Chimney		135	01-Mar-21	13-Jul-21	01-Mar-21	13-Jul-21	29-Sep-21	11-Feb-22	212	0%	
05-3340	Elevated Drive Way and Associated Structures		135	01-Mar-21	13-Jul-21	01-Mar-21	13-Jul-21	06-Feb-22	21-Jun-22	342	0%	
05-3350	Reception Pavilion		135	01-Mar-21	13-Jul-21	01-Mar-21	13-Jul-21	11-Dec-21	25-Apr-22	285	0%	
EP_SP_66_12-WP-3-M28.05.02.03.2 Foundation design (2.3.13)			327	05-Apr-21	25-Feb-22	05-Apr-21	25-Feb-22	06-Aug-21	08-Dec-22	285		
05-3220	Process Building (2 Packages)		137	12-May-21	25-Sep-21	12-May-21	25-Sep-21	06-Aug-21	21-Dec-21	86	0%	
05-3230	ACC Equipment Structure		137	05-Apr-21	19-Aug-21	05-Apr-21	19-Aug-21	22-Nov-21	08-Apr-22	231	0%	
05-3240	Turbin Hall Building		137	05-Apr-21	19-Aug-21	05-Apr-21	19-Aug-21	20-Aug-21	04-Jan-22	137	0%	
05-3250	Air Compressor Building		137	05-Apr-21	19-Aug-21	05-Apr-21	19-Aug-21	03-Mar-22	18-Jul-22	332	0%	
05-3260	Chimney		137	05-Apr-21	19-Aug-21	05-Apr-21	19-Aug-21	03-Nov-21	20-Mar-22	212	0%	
05-3270	Elevated Drive Way and Associated Structures Foundation Design		137	05-Apr-21	19-Aug-21	05-Apr-21	19-Aug-21	13-Mar-22	28-Jul-22	342	0%	

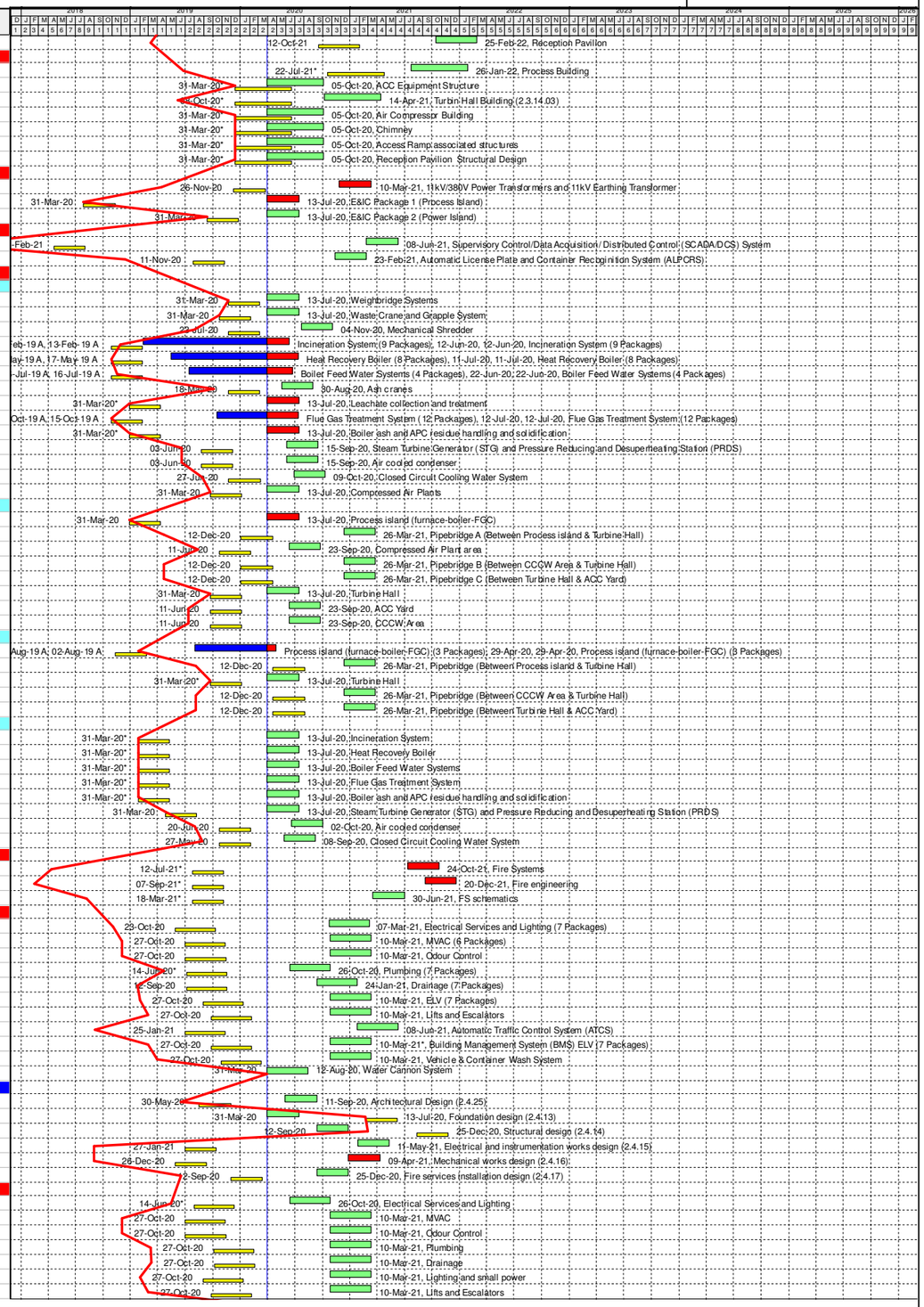


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
05-3280	Reception Pavilion		137	12-Oct-21	25-Feb-22	12-Oct-21	25-Feb-22	24-Jul-22	08-Dec-22	285	0%	
EP_SP_66_12-WP-3-M28.05.02.03.3 Structural design (2.3.14)			667	31-Mar-20	26-Jan-22	31-Mar-20	26-Jan-22	14-Nov-20	31-Jan-23	369		
05-5330	Process Building	Start On or After	189	22-Jul-21	26-Jan-22	22-Jul-21*	26-Jan-22	20-Sep-21	28-Mar-22	60	0%	
05-5340	ACC Equipment Structure	Start On or After	189	31-Mar-20	05-Oct-20	31-Mar-20*	05-Oct-20	14-Nov-20	22-May-21	228	0%	
05-5350	Turbin Hall Building (2.3.14.03)	Start On or After	189	08-Oct-20	14-Apr-21	08-Oct-20*	14-Apr-21	02-Apr-22	08-Oct-22	541	0%	
05-5360	Air Compressor Building	Start On or After	189	31-Mar-20	05-Oct-20	31-Mar-20*	05-Oct-20	27-Jun-22	02-Jan-23	818	0%	
05-5370	Chimney	Start On or After	189	31-Mar-20	05-Oct-20	31-Mar-20*	05-Oct-20	26-Jul-22	31-Jan-23	847	0%	
05-5380	Access Ramp associated structures	Start On or After	189	31-Mar-20	05-Oct-20	31-Mar-20*	05-Oct-20	08-Jun-22	14-Dec-22	799	0%	
05-5390	Reception Pavilion Structural Design	Start On or After	189	31-Mar-20	05-Oct-20	31-Mar-20*	05-Oct-20	21-Jul-22	26-Jan-23	842	0%	
EP_SP_66_12-WP-3-M28.05.02.03.4 Electrical and instrumentation works design (2.3.15)			345	31-Mar-20	10-Mar-21	31-Mar-20	10-Mar-21	10-Jan-20	24-Nov-20	-107		
05-3360	11kV/380V Power Transformers and 11kV Earthing Transformer		105	26-Nov-20	10-Mar-21	26-Nov-20	10-Mar-21	11-Aug-20	24-Nov-20	-107	0%	
05-3370	E&IC Package 1 (Process Island)		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	10-Jan-20	24-Apr-20	-81	0%	
05-3380	E&IC Package 2 (Power Island)		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	01-Jul-20	14-Oct-20	92	0%	
EP_SP_66_12-WP-3-M28.05.02.03.8 Operation Management System (2.3.15.04)			210	11-Nov-20	08-Jun-21	11-Nov-20	08-Jun-21	24-Mar-21	07-Jul-21	28		
05-3390	Supervisory Control/Data Acquisition/ Distributed Control (SCADA/DCS) System		105	24-Feb-21	08-Jun-21	24-Feb-21	08-Jun-21	24-Mar-21	07-Jul-21	28	0%	
05-3420	Automatic License Plate and Container Recognition System (ALPCRS)		105	11-Nov-20	23-Feb-21	11-Nov-20	23-Feb-21	24-Mar-21	07-Jul-21	133	0%	
EP_SP_66_12-WP-3-M28.05.02.03.5 Mechanical works design (2.3.16)			773	31-Mar-20	26-Mar-21	13-Feb-19 A	26-Mar-21	06-Nov-19	10-Aug-21	136		
EP_SP_66_12-WP-3-M28.05.02.03.5.1 Plant and Equipment			631	31-Mar-20	04-Nov-20	13-Feb-19 A	04-Nov-20	19-Feb-20	20-Jul-21	257		
05-3580	Weighbridge Systems		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	06-Apr-21	20-Jul-21	371	0%	
05-3590	Waste Crane and Grapple System		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	08-Oct-20	21-Jan-21	191	0%	
05-3600	Mechanical Shredder		105	23-Jul-20	04-Nov-20	23-Jul-20	04-Nov-20	16-Oct-20	29-Jan-21	85	0%	
05-3610	Incineration System (9 Packages)		486	31-Mar-20	12-Jun-20	13-Feb-19 A	12-Jun-20	21-Mar-20	03-Jun-20	-9	45%	
05-3620	Heat Recovery Boiler (8 Packages)		422	31-Mar-20	11-Jul-20	17-May-19 A	11-Jul-20	21-Feb-20	03-Jun-20	-39	2%	
05-3630	Boiler Feed Water Systems (4 Packages)		343	31-Mar-20	22-Jun-20	16-Jul-19 A	22-Jun-20	11-Mar-20	03-Jun-20	-20	25%	
05-3640	Ash cranes		105	18-May-20	30-Aug-20	18-May-20	30-Aug-20	08-Oct-20	21-Jan-21	143	0%	
05-3650	Leachate collection and treatment	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	19-Feb-20	03-Jun-20	-41	0%	
05-3790	Flue Gas Treatment System (12 Packages)		272	31-Mar-20	12-Jul-20	15-Oct-19 A	12-Jul-20	20-Feb-20	03-Jun-20	-40	1.2%	
05-3800	Boiler ash and APC residue handling and solidification	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	19-Feb-20	03-Jun-20	-41	0%	
05-3810	Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PRDS)		105	03-Jun-20	15-Sep-20	03-Jun-20	15-Sep-20	08-Nov-20	21-Feb-21	158	0%	
05-3820	Air cooled condenser		105	03-Jun-20	15-Sep-20	03-Jun-20	15-Sep-20	08-Nov-20	21-Feb-21	158	0%	
05-3825(3)	Closed Circuit Cooling Water System		105	27-Jun-20	09-Oct-20	27-Jun-20	09-Oct-20	04-Mar-21	17-Jun-21	250	0%	
05-3830	Compressed Air Plants		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	08-Nov-20	21-Feb-21	222	0%	
EP_SP_66_12-WP-3-M28.05.02.03.5.2 Process Pipeworks (Incl. Ductworks) and Valves			361	31-Mar-20	26-Mar-21	31-Mar-20	26-Mar-21	21-Dec-19	10-Aug-21	136		
03-3840	Process island (furnace-boiler-FGC)		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	21-Dec-19	04-Apr-20	-101	0%	
05-4350	Pipebridge A (Between Process island & Turbine Hall)		105	12-Dec-20	26-Mar-21	12-Dec-20	26-Mar-21	31-Dec-20	15-Apr-21	19	0%	
05-4360	Compressed Air Plant area		105	11-Jun-20	23-Sep-20	11-Jun-20	23-Sep-20	27-Apr-21	10-Aug-21	320	0%	
05-4370	Pipebridge B (Between CCCW Area & Turbine Hall)		105	12-Dec-20	26-Mar-21	12-Dec-20	26-Mar-21	31-Dec-20	15-Apr-21	19	0%	
05-4380	Pipebridge C (Between Turbine Hall & ACC Yard)		105	12-Dec-20	26-Mar-21	12-Dec-20	26-Mar-21	31-Dec-20	15-Apr-21	19	0%	
05-4950	Turbine Hall		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	09-Sep-20	23-Dec-20	162	0%	
05-4960	ACC Yard		105	11-Jun-20	23-Sep-20	11-Jun-20	23-Sep-20	27-Apr-21	10-Aug-21	320	0%	
05-4970	CCCW Area		105	11-Jun-20	23-Sep-20	11-Jun-20	23-Sep-20	27-Apr-21	10-Aug-21	320	0%	
EP_SP_66_12-WP-3-M28.05.02.03.5.3 Process steel structure support (For eqipment, piping & duct, cable tray etc)			603	31-Mar-20	26-Mar-21	02-Aug-19 A	26-Mar-21	06-Nov-19	15-Apr-21	19		
05-3530	Process island (furnace-boiler-FGC) (3 Packages)		272	31-Mar-20	29-Apr-20	02-Aug-19 A	29-Apr-20	06-Nov-19	06-Dec-19	-146	71.43%	
05-3540	Pipebridge (Between Process island & Turbine Hall)		105	12-Dec-20	26-Mar-21	12-Dec-20	26-Mar-21	31-Dec-20	15-Apr-21	19	0%	
05-3550	Turbine Hall	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	11-Jul-20	24-Oct-20	102	0%	
05-3560	Pipebridge (Between CCCW Area & Turbine Hall)		105	12-Dec-20	26-Mar-21	12-Dec-20	26-Mar-21	31-Dec-20	15-Apr-21	19	0%	
05-3570	Pipebridge (Between Turbine Hall & ACC Yard)		105	12-Dec-20	26-Mar-21	12-Dec-20	26-Mar-21	31-Dec-20	15-Apr-21	19	0%	
EP_SP_66_12-WP-3-M28.05.02.03.5.4 Equipment and piping insulation			186	31-Mar-20	02-Oct-20	31-Mar-20	02-Oct-20	04-Mar-21	10-Aug-21	311		
05-4500	Incineration System	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	27-Apr-21	10-Aug-21	392	0%	
05-4510	Heat Recovery Boiler	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	27-Apr-21	10-Aug-21	392	0%	
05-4520	Boiler Feed Water Systems	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	27-Apr-21	10-Aug-21	392	0%	
05-4530	Flue Gas Treatment System	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	27-Apr-21	10-Aug-21	392	0%	
05-4540	Boiler ash and APC residue handling and solidification	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	27-Apr-21	10-Aug-21	392	0%	
05-4550	Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PRDS)		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	27-Apr-21	10-Aug-21	392	0%	
05-4560	Air cooled condenser		105	20-Jun-20	02-Oct-20	20-Jun-20	02-Oct-20	27-Apr-21	10-Aug-21	311	0%	
05-4570	Closed Circuit Cooling Water System		105	27-May-20	08-Sep-20	27-May-20	08-Sep-20	04-Mar-21	17-Jun-21	281	0%	
EP_SP_66_12-WP-3-M28.05.02.03.6 Fire services installation design (2.3.17)			278	18-Mar-21	20-Dec-21	18-Mar-21	20-Dec-21	06-May-21	19-Aug-21	-124		
05-3660	Fire Systems	Start On or After	105	12-Jul-21	24-Oct-21	12-Jul-21*	24-Oct-21	06-May-21	19-Aug-21	-67	0%	
05-3670	Fire engineering	Start On or After	105	07-Sep-21	20-Dec-21	07-Sep-21*	20-Dec-21	06-May-21	19-Aug-21	-124	0%	
05-3680	FS schematics	Start On or After	105	18-Mar-21	30-Jun-21	18-Mar-21*	30-Jun-21	06-May-21	19-Aug-21	49	0%	
EP_SP_66_12-WP-3-M28.05.02.03.7 Building services design (excluding fire services installation design) (2.3.18)			435	31-Mar-20	08-Jun-21	31-Mar-20	08-Jun-21	11-Nov-20	11-Sep-21	94		
05-3690	Electrical Services and Lighting (7 Packages)		135	23-Oct-20	07-Mar-21	23-Oct-20	07-Mar-21	15-Feb-21	30-Jun-21	115	0%	
05-3700	MVAC (6 Packages)		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Nov-20	26-Mar-21	15	0%	
05-3710	Odour Control		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Nov-20	26-Mar-21	15	0%	
05-3720	Plumbing (7 Packages)	Start On or After	135	14-Jun-20	26-Oct-20	14-Jun-20*	26-Oct-20	30-Jan-21	14-Jun-21	230	0%	
05-3730	Drainage (7 Packages)		135	12-Sep-20	24-Jan-21	12-Sep-20	24-Jan-21	30-Jan-21	14-Jun-21	140	0%	
05-3740	ELV (7 Packages)		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	15-Feb-21	30-Jun-21	111	0%	
05-3750	Lifts and Escalators		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	31-Dec-20	15-May-21	65	0%	
05-3760	Automatic Traffic Control System (ATCS)		135	25-Jan-21	08-Jun-21	25-Jan-21	08-Jun-21	22-Feb-21	07-Jul-21	28	0%	
05-3770	Building Management System (BMS) ELV (7 Packages)	Finish On or Before	135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21*	15-Dec-20	28-Apr-21	49	0%	
05-3780	Vehicle & Container Wash System		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	29-Apr-21	11-Sep-21	184	0%	
05-3780-1(M20)	Water Cannon System		135	31-Mar-20	12-Aug-20	31-Mar-20	12-Aug-20	29-Apr-21	11-Sep-21	394	0%	
EP_SP_66_12-WP-3-M28.05.02.04 DDA Mechanical Treatment Plant Building (2.4)			407	31-Mar-20	11-May-21	31-Mar-20	11-May-21	15-Aug-20	12-Aug-22	457		
05-5160	Architectural Design (2.4.25)	Start On or After	105	30-May-20	11-Sep-20	30-May-20*	11-Sep-20	21-Jan-21	06-May-21	236	0%	
05-5170	Foundation design (2.4.13)		105	31-Mar-20	13-Jul-20	31-Mar-20	13-Jul-20	25-Oct-21	07-Feb-22	573	0%	
05-5180	Structural design (2.4.14)		105	12-Sep-20	25-Dec-20	12-Sep-20	25-Dec-20	29-Apr-22	12-Aug-22	594	0%	
05-5190	Electrical and instrumentation works design (2.4.15)		105	27-Jan-21	11-May-21	27-Jan-21	11-May-21	12-May-21	25-Aug-21	105	0%	
05-5200	Mechanical works design (2.4.16)		105	26-Dec-20	09-Apr-21	26-Dec-20	09-Apr-21	15-Aug-20	28-Nov-20	-133	0%	
05-5210	Fire services installation design (2.4.17)		105	12-Sep-20	25-Dec-20	12-Sep-20	25-Dec-20	06-May-21	19-Aug-21	236	0%	
EP_SP_66_12-WP-3-M28.05.02.04.7 Building services design (excluding fire services installation design) (2.4.18)			270	14-Jun-20	10-Mar-21	14-Jun-20	10-Mar-21	11-Nov-20	11-Dec-21	275		
05-3850	Electrical Services and Lighting	Start On or After	135	14-Jun-20	26-Oct-20	14-Jun-20*	26-Oct-20	15-Feb-21	30-Jun-21	246	0%	
05-3860	MVAC		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Nov-20	26-Mar-21	15	0%	
05-3870	Odour Control		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Nov-20	26-Mar-21	15	0%	
05-3880	Plumbing		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	30-Jan-21	14-Jun-21	95	0%	
05-3890	Drainage		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	30-Jan-21	14-Jun-21	95	0%	
05-3900	Lighting and small power		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	15-Feb-21	30-Jun-21	111	0%	
05-3910	Lifts and Escalators		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	29-Jul-21	11-Dec-21	275	0%	



Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
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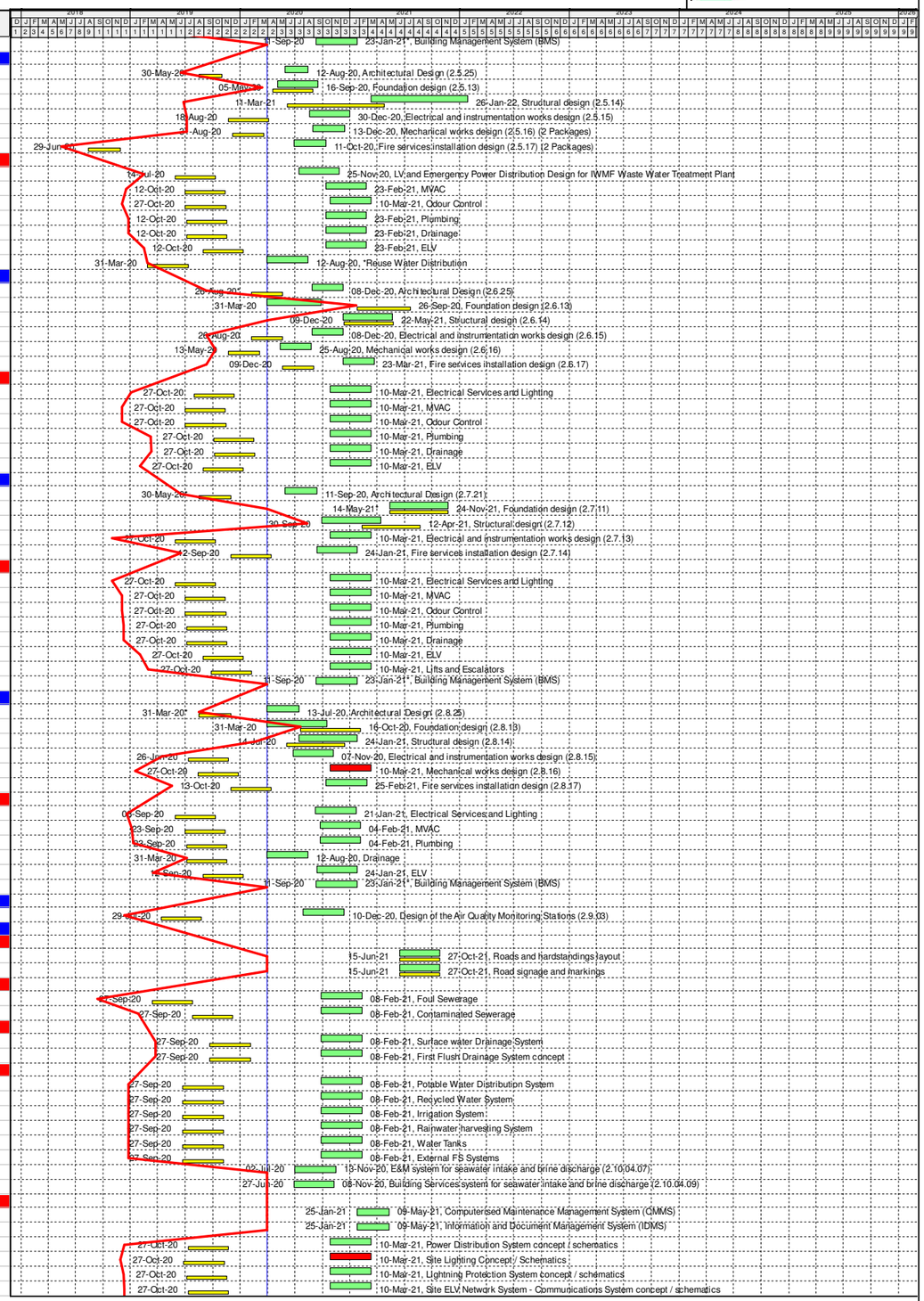
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
05-3910-1(M20)	Building Management System (BMS)	Finish On or Before	135	11-Sep-20	23-Jan-21	11-Sep-20	23-Jan-21*	15-Dec-20	28-Apr-21	95	0%	
EP_SP_66_12-WP-3-M28.05.02.05 DDA Wastewater Treatment Plant (2.5)			667	31-Mar-20	26-Jan-22	31-Mar-20	26-Jan-22	11-Nov-20	28-Mar-22	60		
05-3920	Architectural Design (2.5.25)	Start On or After	75	30-May-20	12-Aug-20	30-May-20*	12-Aug-20	24-Feb-21	10-May-21	270	0%	
05-3930	Foundation design (2.5.13)		135	05-May-20	16-Sep-20	05-May-20	16-Sep-20	08-Aug-21	21-Dec-21	460	0%	
05-3940	Structural design (2.5.14)		322	11-Mar-21	26-Jan-22	11-Mar-21	26-Jan-22	10-May-21	28-Mar-22	60	0%	
05-3950	Electrical and instrumentation works design (2.5.15)		135	18-Aug-20	30-Dec-20	18-Aug-20	30-Dec-20	21-Feb-21	06-Jul-21	187	0%	
05-3960	Mechanical works design (2.5.16) (2 Packages)		105	31-Aug-20	13-Dec-20	31-Aug-20	13-Dec-20	03-Mar-21	16-Jun-21	184	0%	
05-3970	Fire services installation design (2.5.17) (2 Packages)	Start On or After	105	29-Jun-20	11-Oct-20	29-Jun-20*	11-Oct-20	06-May-21	19-Aug-21	311	0%	
EP_SP_66_12-WP-3-M28.05.02.05.7 Building services design (excluding fire services installation design) (2.5.18)			345	31-Mar-20	10-Mar-21	31-Mar-20	10-Mar-21	11-Nov-20	30-Jun-21	111		
05-3980	LV and Emergency Power Distribution Design for IWMF Waste Water Treatment Plant		135	14-Jul-20	25-Nov-20	14-Jul-20	25-Nov-20	15-Feb-21	30-Jun-21	216	0%	
05-3990	MVAC		135	12-Oct-20	23-Feb-21	12-Oct-20	23-Feb-21	11-Nov-20	26-Mar-21	30	0%	
05-4000	Odour Control		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Nov-20	26-Mar-21	15	0%	
05-4010	Plumbing		135	12-Oct-20	23-Feb-21	12-Oct-20	23-Feb-21	30-Jan-21	14-Jun-21	110	0%	
05-4020	Drainage		135	12-Oct-20	23-Feb-21	12-Oct-20	23-Feb-21	30-Jan-21	14-Jun-21	110	0%	
05-4030	ELV		135	12-Oct-20	23-Feb-21	12-Oct-20	23-Feb-21	15-Feb-21	30-Jun-21	126	0%	
05-4040	*Reuse Water Distribution		135	31-Mar-20	12-Aug-20	31-Mar-20	12-Aug-20	30-Jan-21	14-Jun-21	305	0%	
EP_SP_66_12-WP-3-M28.05.02.06 DDA Desalination Plant Building (2.6)			418	31-Mar-20	22-May-21	31-Mar-20	22-May-21	25-Aug-20	12-Aug-22	446		
05-4050	Architectural Design (2.6.25)	Start On or After	105	26-Aug-20	08-Dec-20	26-Aug-20*	08-Dec-20	21-Jan-21	06-May-21	148	0%	
05-4060	Foundation design (2.6.13)		180	31-Mar-20	26-Sep-20	31-Mar-20	26-Sep-20	11-Aug-21	07-Feb-22	498	0%	
05-4070	Structural design (2.6.14)		165	09-Dec-20	22-May-21	09-Dec-20	22-May-21	28-Feb-22	12-Aug-22	446	0%	
05-4080	Electrical and instrumentation works design (2.6.15)		105	26-Aug-20	08-Dec-20	26-Aug-20	08-Dec-20	23-Mar-21	06-Jul-21	209	0%	
05-4090	Mechanical works design (2.6.16)		105	13-May-20	25-Aug-20	13-May-20	25-Aug-20	25-Aug-20	08-Dec-20	104	0%	
05-4100	Fire services installation design (2.6.17)		105	09-Dec-20	23-Mar-21	09-Dec-20	23-Mar-21	06-May-21	19-Aug-21	148	0%	
EP_SP_66_12-WP-3-M28.05.02.06.7 Building services design (excluding fire services installation design) (2.6.18)			135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Nov-20	30-Jun-21	111		
05-4110	Electrical Services and Lighting		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	15-Feb-21	30-Jun-21	111	0%	
05-4120	MVAC		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Nov-20	26-Mar-21	15	0%	
05-4130	Odour Control		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Nov-20	26-Mar-21	15	0%	
05-4140	Plumbing		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	30-Jan-21	14-Jun-21	95	0%	
05-4150	Drainage		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	30-Jan-21	14-Jun-21	95	0%	
05-4160	ELV		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	15-Feb-21	30-Jun-21	111	0%	
EP_SP_66_12-WP-3-M28.05.02.07 DDA Administration Building (2.7)			544	30-May-20	24-Nov-21	30-May-20	24-Nov-21	11-Nov-20	22-Oct-22	331		
05-4170	Architectural Design (2.7.21)	Start On or After	105	30-May-20	11-Sep-20	30-May-20*	11-Sep-20	22-Dec-20	06-Apr-21	206	0%	
05-4180	Foundation design (2.7.11)	Start On or After	195	14-May-21	24-Nov-21	14-May-21*	24-Nov-21	23-Nov-21	06-Jun-22	193	0%	
05-4190	Structural design (2.7.12)		195	30-Sep-20	12-Apr-21	30-Sep-20	12-Apr-21	10-Apr-22	22-Oct-22	557	0%	
05-4200	Electrical and instrumentation works design (2.7.13)		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	02-May-21	14-Sep-21	187	0%	
05-4210	Fire services installation design (2.7.14)		135	12-Sep-20	24-Jan-21	12-Sep-20	24-Jan-21	06-Apr-21	19-Aug-21	206	0%	
EP_SP_66_12-WP-3-M28.05.02.07.6 Building services design (excluding fire services installation design) (2.7.15)			181	11-Sep-20	10-Mar-21	11-Sep-20	10-Mar-21	11-Nov-20	30-Jun-21	111		
05-4220	Electrical Services and Lighting		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	15-Feb-21	30-Jun-21	111	0%	
05-4230	MVAC		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Nov-20	26-Mar-21	15	0%	
05-4240	Odour Control		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Nov-20	26-Mar-21	15	0%	
05-4250	Plumbing		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	30-Jan-21	14-Jun-21	95	0%	
05-4260	Drainage		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	30-Jan-21	14-Jun-21	95	0%	
05-4270	ELV		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	15-Feb-21	30-Jun-21	111	0%	
05-4280	Lifts and Escalators		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	31-Dec-20	15-May-21	65	0%	
05-4280-1(M20)	Building Management System (BMS)	Finish On or Before	135	11-Sep-20	23-Jan-21	11-Sep-20	23-Jan-21*	15-Dec-20	28-Apr-21	95	0%	
EP_SP_66_12-WP-3-M28.05.02.08 DDA IWMF Substation (2.8)			345	31-Mar-20	10-Mar-21	31-Mar-20	10-Mar-21	27-Sep-20	28-Feb-22	354		
05-4290	Architectural Design (2.8.25)	Start On or After	105	31-Mar-20	13-Jul-20	31-Mar-20*	13-Jul-20	22-Dec-20	06-Apr-21	266	0%	
05-4300	Foundation design (2.8.13)		200	31-Mar-20	16-Oct-20	31-Mar-20	16-Oct-20	10-May-21	26-Nov-21	405	0%	
05-4310	Structural design (2.8.14)		195	14-Jul-20	24-Jan-21	14-Jul-20	24-Jan-21	17-Aug-21	28-Feb-22	399	0%	
05-4320	Electrical and instrumentation works design (2.8.15)		135	26-Jun-20	07-Nov-20	26-Jun-20	07-Nov-20	27-Sep-20	09-Feb-21	93	0%	
05-4330	Mechanical works design (2.8.16)		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	27-Sep-20	09-Feb-21	-30	0%	
05-4340	Fire services installation design (2.8.17)		135	13-Oct-20	25-Feb-21	13-Oct-20	25-Feb-21	06-Apr-21	19-Aug-21	174	0%	
EP_SP_66_12-WP-3-M28.05.02.08.7 Building services design (excluding fire services installation design) (2.8.18)			311	31-Mar-20	04-Feb-21	31-Mar-20	04-Feb-21	11-Nov-20	30-Jun-21	145		
05-4990	Electrical Services and Lighting		135	08-Sep-20	21-Jan-21	08-Sep-20	21-Jan-21	15-Feb-21	30-Jun-21	160	0%	
05-5000	MVAC		135	23-Sep-20	04-Feb-21	23-Sep-20	04-Feb-21	11-Nov-20	26-Mar-21	49	0%	
05-5010	Plumbing		135	23-Sep-20	04-Feb-21	23-Sep-20	04-Feb-21	30-Jan-21	14-Jun-21	129	0%	
05-5020	Drainage		135	31-Mar-20	12-Aug-20	31-Mar-20	12-Aug-20	30-Jan-21	14-Jun-21	305	0%	
05-5030	ELV		135	12-Sep-20	24-Jan-21	12-Sep-20	24-Jan-21	15-Feb-21	30-Jun-21	156	0%	
05-5030-1(M20)	Building Management System (BMS)	Finish On or Before	135	11-Sep-20	23-Jan-21	11-Sep-20	23-Jan-21*	14-Dec-20	27-Apr-21	94	0%	
EP_SP_66_12-WP-3-M28.05.02.09 DDA Air Quality Monitoring Stations (2.9)			135	29-Jul-20	10-Dec-20	29-Jul-20	10-Dec-20	03-Nov-20	18-Mar-21	97		
05-4490	Design of the Air Quality Monitoring Stations (2.9.03)		135	29-Jul-20	10-Dec-20	29-Jul-20	10-Dec-20	03-Nov-20	18-Mar-21	97	0%	
EP_SP_66_12-WP-3-M28.05.02.10 DDA Roads and Utilities (2.10)			593	27-Jun-20	09-Feb-22	27-Jun-20	09-Feb-22	18-Aug-20	28-Feb-26	1479		
EP_SP_66_12-WP-3-M28.05.02.10.1 Permanent road works layout on the Artificial Island (2.10.13)			135	15-Jun-21	27-Oct-21	15-Jun-21	27-Oct-21	22-Feb-23	04-Dec-23	767		
05-4470	Roads and hardstandings layout		135	15-Jun-21	27-Oct-21	15-Jun-21	27-Oct-21	22-Feb-23	07-Jul-23	617	0%	
05-4480	Road signage and markings		135	15-Jun-21	27-Oct-21	15-Jun-21	27-Oct-21	22-Jul-23	04-Dec-23	767	0%	
EP_SP_66_12-WP-3-M28.05.02.10.2 Sewerage design on the Artificial Island (2.10.14)			135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	30-Jan-21	29-Jul-22	535		
05-4430	Foul Sewerage		135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	30-Jan-21	14-Jun-21	125	0%	
05-4440	Contaminated Sewerage		135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	16-Mar-22	29-Jul-22	535	0%	
EP_SP_66_12-WP-3-M28.05.02.10.3 Drainage system design on the Artificial Island (2.10.15)			135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	30-Jan-21	02-Oct-21	235		
05-5310	Surface water Drainage System		135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	30-Jan-21	14-Jun-21	125	0%	
05-5320	First Flush Drainage System concept		135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	20-May-21	02-Oct-21	235	0%	
EP_SP_66_12-WP-3-M28.05.02.10.4 Water supply system design on the Artificial Island (2.10.16)			227	27-Jun-20	08-Feb-21	27-Jun-20	08-Feb-21	30-Jan-21	24-Jun-23	865		
05-5250	Potable Water Distribution System		135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	24-Feb-22	09-Jul-22	515	0%	
05-5260	Recycled Water System		135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	24-Feb-22	09-Jul-22	515	0%	
05-5270	Irrigation System		135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	30-Jan-21	14-Jun-21	125	0%	
05-5280	Rainwater harvesting System		135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	30-Jan-21	14-Jun-21	125	0%	
05-5290	Water Tanks		135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	15-Apr-22	28-Aug-22	565	0%	
05-5300	External FS Systems		135	27-Sep-20	08-Feb-21	27-Sep-20	08-Feb-21	15-Apr-22	28-Aug-22	565	0%	
05-5300-1(M24)	E&M system for seawater intake and brine discharge (2.10.04.07)		135	02-Jul-20	13-Nov-20	02-Jul-20	13-Nov-20	09-Feb-23	24-Jun-23	952	0%	
05-5300-2(M24)	Building Services system for seawater intake and brine discharge (2.10.04.09)		135	27-Jun-20	08-Nov-20	27-Jun-20	08-Nov-20	09-Feb-23	24-Jun-23	957	0%	
EP_SP_66_12-WP-3-M28.05.02.10.6 Design of telecommunication and other utilities (2.10.18)			399	30-Jul-20	01-Sep-21	30-Jul-20	01-Sep-21	23-Aug-20	28-Feb-26	1640		
05-3400 (M21)	Computerised Maintenance Management System (CMMS)		105	25-Jan-21	09-May-21	25-Jan-21	09-May-21	24-Mar-21	07-Jul-21	58	0%	
05-3410 (M21)	Information and Document Management System (IDMS)		105	25-Jan-21	09-May-21	25-Jan-21	09-May-21	24-Mar-21	07-Jul-21	58	0%	
05-4580	Power Distribution System concept / schematics		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	29-Jul-21	11-Dec-21	275	0%	
05-4590	Site Lighting Concept / Schematics		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	23-Aug-20	05-Jan-21	-65	0%	
05-4600	Lightning Protection System concept / schematics		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	11-Mar-21	24-Jul-21	135	0%	
05-4610	Site ELV Network System - Communications System concept / schematics		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	29-Jul-21	11-Dec-21	275	0%	

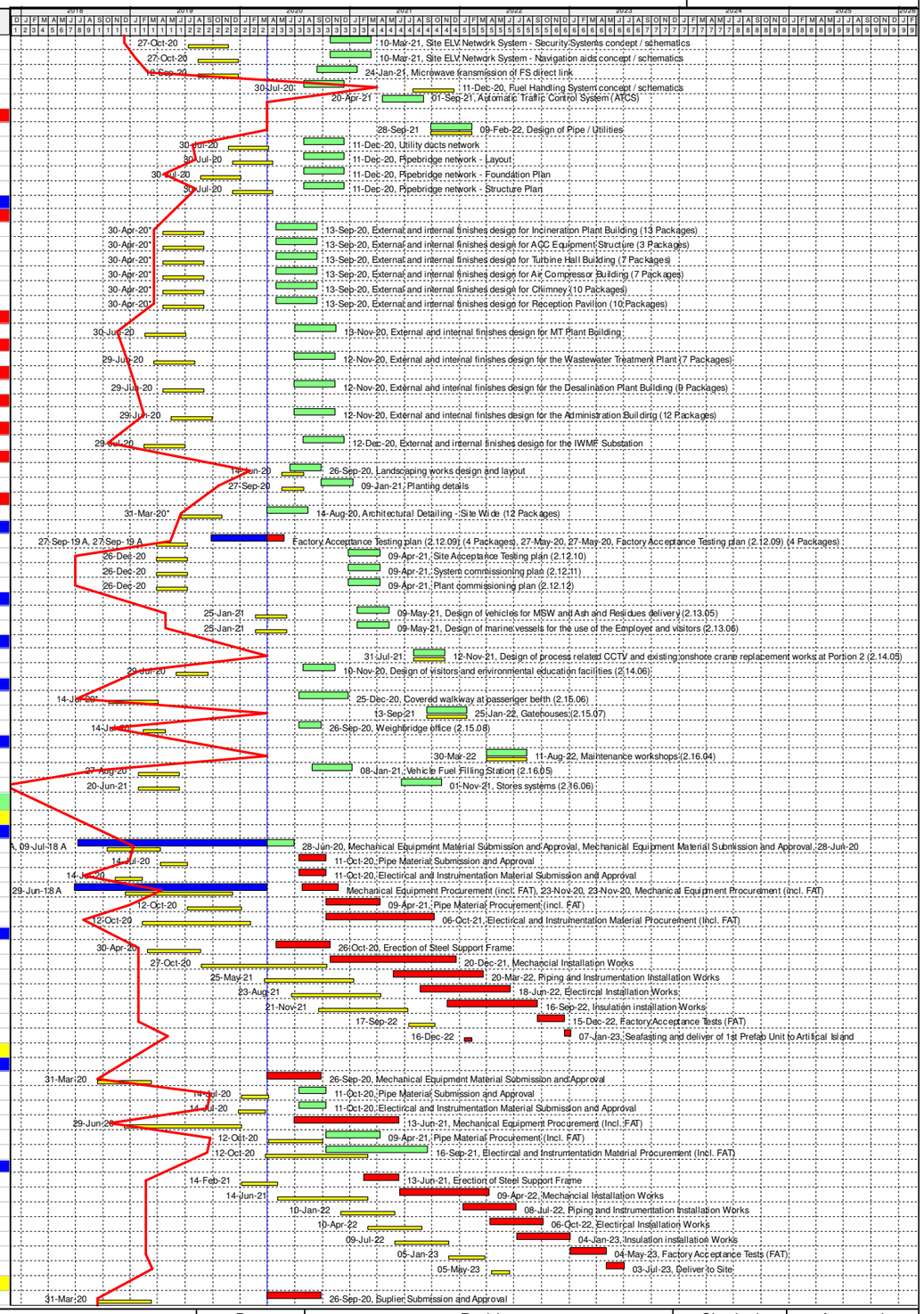


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
05-4620	Site ELV Network System - Security Systems concept / schematics		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	29-Jul-21	11-Dec-21	275	0%	
05-4630	Site ELV Network System - Navigation aids concept / schematics		135	27-Oct-20	10-Mar-21	27-Oct-20	10-Mar-21	29-Jul-21	11-Dec-21	275	0%	
05-4640	Microwave transmission of FS direct link		135	12-Sep-20	24-Jan-21	12-Sep-20	24-Jan-21	29-Jul-21	11-Dec-21	320	0%	
05-4650	Fuel Handling System concept / schematics		135	30-Jul-20	11-Dec-20	30-Jul-20	11-Dec-20	09-Jan-23	24-May-23	893	0%	
05-5400 (M22)	Automatic Traffic Control System (ATCS)		135	20-Apr-21	01-Sep-21	20-Apr-21	01-Sep-21	16-Oct-25	28-Feb-26	1640	0%	
EP_SP_66_12-WP-3-M28.05.02.10.7 Utility ducts/Pipebridges design (2.10.26)			560	30-Jul-20	09-Feb-22	30-Jul-20	09-Feb-22	18-Aug-20	01-Sep-23	568		
05-5040	Design of Pipe / Utilities		135	28-Sep-21	09-Feb-22	28-Sep-21	09-Feb-22	19-Apr-23	01-Sep-23	568	0%	
05-5050	Utility ducts network		135	30-Jul-20	11-Dec-20	30-Jul-20	11-Dec-20	18-Aug-20	31-Dec-20	19	0%	
05-5060	Pipebridge network - Layout		135	30-Jul-20	11-Dec-20	30-Jul-20	11-Dec-20	18-Aug-20	31-Dec-20	19	0%	
05-5070	Pipebridge network - Foundation Plan		135	30-Jul-20	11-Dec-20	30-Jul-20	11-Dec-20	18-Aug-20	31-Dec-20	19	0%	
05-5080	Pipebridge network - Structure Plan		135	30-Jul-20	11-Dec-20	30-Jul-20	11-Dec-20	18-Aug-20	31-Dec-20	19	0%	
EP_SP_66_12-WP-3-M28.05.02.11 DDA Architectural, Finishes and Landscaping Works (2.11)			285	31-Mar-20	09-Jan-21	31-Mar-20	09-Jan-21	02-Dec-20	11-Jun-22	517		
EP_SP_66_12-WP-3-M28.05.02.11.1 External and internal finishes design for Incineration Plant Buildings (2.11.15)			137	30-Apr-20	13-Sep-20	30-Apr-20	13-Sep-20	28-Jul-21	12-Mar-22	544		
05-4670	External and internal finishes design for Incineration Plant Building (13 Packages)	Start On or After	137	30-Apr-20	13-Sep-20	30-Apr-20*	13-Sep-20	28-Jul-21	12-Dec-21	454	0%	
05-4680	External and internal finishes design for ACC Equipment Structure (3 Packages)	Start On or After	137	30-Apr-20	13-Sep-20	30-Apr-20*	13-Sep-20	28-Jul-21	12-Dec-21	454	0%	
05-4690	External and internal finishes design for Turbine Hall Building (7 Packages)	Start On or After	137	30-Apr-20	13-Sep-20	30-Apr-20*	13-Sep-20	26-Oct-21	12-Mar-22	544	0%	
05-4700	External and internal finishes design for Air Compressor Building (7 Packages)	Start On or After	137	30-Apr-20	13-Sep-20	30-Apr-20*	13-Sep-20	23-Sep-21	07-Feb-22	511	0%	
05-4710	External and internal finishes design for Chimney (10 Packages)	Start On or After	137	30-Apr-20	13-Sep-20	30-Apr-20*	13-Sep-20	26-Sep-21	10-Feb-22	514	0%	
05-4720	External and internal finishes design for Reception Pavilion (10 Packages)	Start On or After	137	30-Apr-20	13-Sep-20	30-Apr-20*	13-Sep-20	26-Sep-21	10-Feb-22	514	0%	
EP_SP_66_12-WP-3-M28.05.02.11.2 External and internal finishes design for MT Plant Building (2.11.16)			137	30-Jun-20	13-Nov-20	30-Jun-20	13-Nov-20	12-Sep-21	27-Jan-22	439		
05-4730	External and internal finishes design for MT Plant Building		137	30-Jun-20	13-Nov-20	30-Jun-20	13-Nov-20	12-Sep-21	27-Jan-22	439	0%	
EP_SP_66_12-WP-3-M28.05.02.11.3 External and internal finishes design for the Wastewater Treatment Plant (2.11.17)			137	29-Jun-20	12-Nov-20	29-Jun-20	12-Nov-20	12-Sep-21	27-Jan-22	440		
05-4740	External and internal finishes design for the Wastewater Treatment Plant (7 Packages)		137	29-Jun-20	12-Nov-20	29-Jun-20	12-Nov-20	12-Sep-21	27-Jan-22	440	0%	
EP_SP_66_12-WP-3-M28.05.02.11.4 External and internal finishes design for the Desalination Plant Building (2.11.18)			137	29-Jun-20	12-Nov-20	29-Jun-20	12-Nov-20	12-Sep-21	27-Jan-22	440		
05-4750	External and internal finishes design for the Desalination Plant Building (9 Packages)		137	29-Jun-20	12-Nov-20	29-Jun-20	12-Nov-20	12-Sep-21	27-Jan-22	440	0%	
EP_SP_66_12-WP-3-M28.05.02.11.5 External and internal finishes design for the Administration Building (2.11.19)			137	29-Jun-20	12-Nov-20	29-Jun-20	12-Nov-20	25-Jan-22	11-Jun-22	575		
05-4760	External and internal finishes design for the Administration Building (12 Packages)		137	29-Jun-20	12-Nov-20	29-Jun-20	12-Nov-20	25-Jan-22	11-Jun-22	575	0%	
EP_SP_66_12-WP-3-M28.05.02.11.6 External and internal finishes design for the IWMF Substation (2.11.20)			137	29-Jul-20	12-Dec-20	29-Jul-20	12-Dec-20	02-Dec-20	18-Apr-21	126		
05-4770	External and internal finishes design for the IWMF Substation		137	29-Jul-20	12-Dec-20	29-Jul-20	12-Dec-20	02-Dec-20	18-Apr-21	126	0%	
EP_SP_66_12-WP-3-M28.05.02.11.7 Landscape masterplan (2.11.21)			210	14-Jun-20	09-Jan-21	14-Jun-20	09-Jan-21	30-Jan-22	15-May-22	490		
05-4780	Landscaping works design and layout		105	14-Jun-20	26-Sep-20	14-Jun-20	26-Sep-20	30-Jan-22	15-May-22	595	0%	
05-4790	Planting details		105	27-Sep-20	09-Jan-21	27-Sep-20	09-Jan-21	30-Jan-22	15-May-22	490	0%	
EP_SP_66_12-WP-3-M28.05.02.11.8 Architectural Detailing - Site Wide (2.11.30)			137	31-Mar-20	14-Aug-20	31-Mar-20	14-Aug-20	02-Dec-20	18-Apr-21	246		
05-4800	Architectural Detailing - Site Wide (12 Packages)	Start On or After	137	31-Mar-20	14-Aug-20	31-Mar-20*	14-Aug-20	02-Dec-20	18-Apr-21	246	0%	
EP_SP_66_12-WP-3-M28.05.02.12 DDA Testing and Commissioning (2.12)			561	31-Mar-20	09-Apr-21	27-Sep-19 A	09-Apr-21	08-Feb-20	07-Mar-22	331		
05-4810	Factory Acceptance Testing plan (2.12.09) (4 Packages)	Start On or After	244	31-Mar-20	27-May-20	27-Sep-19 A	27-May-20	08-Feb-20	06-Apr-20	-52	3.5%	
05-4820	Site Acceptance Testing plan (2.12.10)		105	26-Dec-20	09-Apr-21	26-Dec-20	09-Apr-21	26-Feb-21	11-Jun-21	62	0%	
05-4830	System commissioning plan (2.12.11)		105	26-Dec-20	09-Apr-21	26-Dec-20	09-Apr-21	26-Jun-21	09-Oct-21	182	0%	
05-4840	Plant commissioning plan (2.12.12)		105	26-Dec-20	09-Apr-21	26-Dec-20	09-Apr-21	22-Nov-21	07-Mar-22	331	0%	
EP_SP_66_12-WP-3-M28.05.02.13 DDA Transportation Facilities for the Operation (2.13)			105	25-Jan-21	09-May-21	25-Jan-21	09-May-21	26-Jun-21	07-Mar-22	301		
05-4850	Design of vehicles for MSW and Ash and Residues delivery (2.13.05)		105	25-Jan-21	09-May-21	25-Jan-21	09-May-21	26-Jun-21	09-Oct-21	152	0%	
05-4860	Design of marine vessels for the use of the Employer and visitors (2.13.06)		105	25-Jan-21	09-May-21	25-Jan-21	09-May-21	22-Nov-21	07-Mar-22	301	0%	
EP_SP_66_12-WP-3-M28.05.02.14 DDA Miscellaneous Works (2.14)			472	29-Jul-20	12-Nov-21	29-Jul-20	12-Nov-21	22-Nov-21	10-Mar-24	848		
05-4870	Design of process related CCTV and existing onshore crane replacement works at Portion 2 (2.14.05)		105	31-Jul-21	12-Nov-21	31-Jul-21	12-Nov-21	26-Nov-23	10-Mar-24	848	0%	
05-4880	Design of visitors and environmental education facilities (2.14.06)		105	29-Jul-20	10-Nov-20	29-Jul-20	10-Nov-20	22-Nov-21	07-Mar-22	481	0%	
EP_SP_66_12-WP-3-M28.05.02.15 DDA Miscellaneous Detailing (2.15)			561	14-Jul-20	25-Jan-22	14-Jul-20	25-Jan-22	02-Feb-21	19-Dec-22	327		
05-4890	Covered walkway at passenger berth (2.15.06)	Start On or After	165	14-Jul-20	25-Dec-20	14-Jul-20*	25-Dec-20	02-Feb-21	17-Jul-21	203	0%	
05-4900	Gatehouses (2.15.07)		135	13-Sep-21	25-Jan-22	13-Sep-21	25-Jan-22	06-Aug-22	19-Dec-22	327	0%	
05-4910	Weighbridge office (2.15.08)	Start On or After	75	14-Jul-20	26-Sep-20	14-Jul-20*	26-Sep-20	03-May-21	17-Jul-21	293	0%	
EP_SP_66_12-WP-3-M28.05.02.16 DDA Auxiliary Plant Systems (2.16)			715	27-Aug-20	11-Aug-22	27-Aug-20	11-Aug-22	31-Oct-20	26-May-23	287		
05-4920	Maintenance workshops (2.16.04)		135	30-Mar-22	11-Aug-22	30-Mar-22	11-Aug-22	11-Jan-23	26-May-23	287	0%	
05-4930	Vehicle Fuel Filling Station (2.16.05)		135	27-Aug-20	08-Jan-21	27-Aug-20	08-Jan-21	31-Oct-20	15-Mar-21	65	0%	
05-4940	Stores systems (2.16.06)		135	20-Jun-21	01-Nov-21	20-Jun-21	01-Nov-21	15-Jul-22	27-Nov-22	390	0%	
EP_SP_66_12-WP-3-M28.06 Procurement of Major Equipment			2254	31-Mar-20	29-Aug-24	29-Jun-18 A	29-Aug-24	06-Dec-19	02-Aug-24	-28		
EP_SP_66_12-WP-3-M28.06.1 Off-site Fabrication of Incineration Modules			1654	31-Mar-20	07-Jan-23	29-Jun-18 A	07-Jan-23	06-Dec-19	15-Aug-22	-146		
EP_SP_66_12-WP-3-M28.06.1.25 Material Procurement			1196	31-Mar-20	06-Oct-21	29-Jun-18 A	06-Oct-21	04-Apr-20	18-Jul-21	-81		
06-1000-1(1)	Mechanical Equipment Material Submission and Approval		721	31-Mar-20	28-Jun-20	09-Jul-18 A	28-Jun-20	06-May-20	04-Aug-20	36	50%	
06-1000-2(1)	Pipe Material Submission and Approval		90	14-Jul-20	11-Oct-20	14-Jul-20	11-Oct-20	04-Apr-20	03-Jul-20	-101	0%	
06-1000-3(1)	Electrical and Instrumentation Material Submission and Approval		90	14-Jul-20	11-Oct-20	14-Jul-20	11-Oct-20	24-Apr-20	23-Jul-20	-81	0%	
06-1010-1(1)	Mechanical Equipment Procurement (incl. FAT)		879	24-Jul-20	23-Nov-20	29-Jun-18 A	23-Nov-20	03-Jun-20	03-Oct-20	-52	66.11%	
06-1010-2(1)	Pipe Material Procurement (incl. FAT)		180	12-Oct-20	09-Apr-21	12-Oct-20	09-Apr-21	03-Jul-20	30-Dec-20	-101	0%	
06-1010-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)		360	12-Oct-20	06-Oct-21	12-Oct-20	06-Oct-21	23-Jul-20	18-Jul-21	-81	0%	
EP_SP_66_12-WP-3-M28.06.1.26 Fabrication of Module			983	30-Apr-20	07-Jan-23	30-Apr-20	07-Jan-23	06-Dec-19	15-Aug-22	-146		
06-1020-1(1)	Erection of Steel Support Frame		180	30-Apr-20	26-Oct-20	30-Apr-20	26-Oct-20	06-Dec-19	03-Jun-20	-146	0%	
06-1020-2(1)	Mechancial Installation Works		420	27-Oct-20	20-Dec-21	27-Oct-20	20-Dec-21	03-Jun-20	28-Jul-21	-146	0%	
06-1020-3(1)	Piping and Instrumentation Installation Works		300	25-May-21	20-Mar-22	25-May-21	20-Mar-22	30-Dec-20	26-Oct-21	-146	0%	
06-1020-4(1)	Electrical Installation Works		300	23-Aug-21	18-Jun-22	23-Aug-21	18-Jun-22	30-Mar-21	24-Jan-22	-146	0%	
06-1020-5(1)	Insulation installation Works		300	21-Nov-21	16-Sep-22	21-Nov-21	16-Sep-22	28-Jun-21	24-Apr-22	-146	0%	
06-1030(1)	Factory Acceptance Tests (FAT)		90	17-Sep-22	15-Dec-22	17-Sep-22	15-Dec-22	24-Apr-22	23-Jul-22	-146	0%	
06-1030(1)10	Seafasting and deliver of 1st Prefab Unit to Artifical Island		23	16-Dec-22	07-Jan-23	16-Dec-22	07-Jan-23	23-Jul-22	15-Aug-22	-146	0%	
EP_SP_66_12-WP-3-M28.06.2 Off-site Fabrication of Turbine Modules			1190	31-Mar-20	03-Jul-23	31-Mar-20	03-Jul-23	09-Dec-19	13-Mar-23	-113		
EP_SP_66_12-WP-3-M28.06.2.1 Material Procurement			535	31-Mar-20	16-Sep-21	31-Mar-20	16-Sep-21	09-Dec-19	18-Dec-21	92		
06-1050-1(1)	Mechanical Equipment Material Submission and Approval		180	31-Mar-20	26-Sep-20	31-Mar-20	26-Sep-20	09-Dec-19	06-Jun-20	-113	0%	
06-1050-2(1)	Pipe Material Submission and Approval		90	14-Jul-20	11-Oct-20	14-Jul-20	11-Oct-20	23-Dec-20	23-Mar-21	162	0%	
06-1050-3(1)	Electrical and Instrumentation Material Submission and Approval		90	14-Jul-20	11-Oct-20	14-Jul-20	11-Oct-20	14-Oct-20	12-Jan-21	92	0%	
06-1060-1(1)	Mechanical Equipment Procurement (Incl. FAT)		350	29-Jun-20	13-Jun-21	29-Jun-20	13-Jun-21	08-Mar-20	21-Feb-21	-113	0%	
06-1060-2(1)	Pipe Material Procurement (Incl. FAT)		180	12-Oct-20	09-Apr-21	12-Oct-20	09-Apr-21	23-Mar-21	19-Sep-21	162	0%	
06-1060-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)		340	12-Oct-20	16-Sep-21	12-Oct-20	16-Sep-21	12-Jan-21	18-Dec-21	92	0%	
EP_SP_66_12-WP-3-M28.06.2.2 Fabrication of Module			870	14-Feb-21	03-Jul-23	14-Feb-21	03-Jul-23	24-Oct-20	13-Mar-23	-113		
06-1070-1(1)	Erection of Steel Support Frame		120	14-Feb-21	13-Jun-21	14-Feb-21	13-Jun-21	24-Oct-20	21-Feb-21	-113	0%	
06-1070-2(1)	Mechancial Installation Works		300	14-Jun-21	09-Apr-22	14-Jun-21	09-Apr-22	21-Feb-21	18-Dec-21	-113	0%	
06-1070-3(1)	Piping and Instrumentation Installation Works		180	10-Jan-22	08-Jul-22	10-Jan-22	08-Jul-22	19-Sep-21	18-Mar-22	-113	0%	
06-1070-4(1)	Electrical Installation Works		180	10-Apr-22	06-Oct-22	10-Apr-22	06-Oct-22	18-Dec-21	16-Jun-22	-113	0%	
06-1070-5(1)	Insulation installation Works		180	09-Jul-22	04-Jan-23	09-Jul-22	04-Jan-23	18-Mar-22	14-Sep-22	-113	0%	
06-1080(1)	Factory Acceptance Tests (FAT)		120	05-Jan-23	04-May-23	05-Jan-23	04-May-23	14-Sep-22	12-Jan-23	-113	0%	
06-1090(1)	Deliver to Site		60	05-May-23	03-Jul-23	05-May-23	03-Jul-23	12-Jan-23	13-Mar-23	-113	0%	
EP_SP_66_12-WP-3-M28.06.3 Procurement for ACC Units			1050	31-Mar-20	13-Feb-23	31-Mar-20	13-Feb-23	18-Mar-20	01-Feb-23	-13		
06-1100	Suplier Submission and Approval		180	31-Mar-20	26-Sep-20	31-Mar-20	26-Sep-20	18-Mar-20	14-Sep-20	-13	0%	

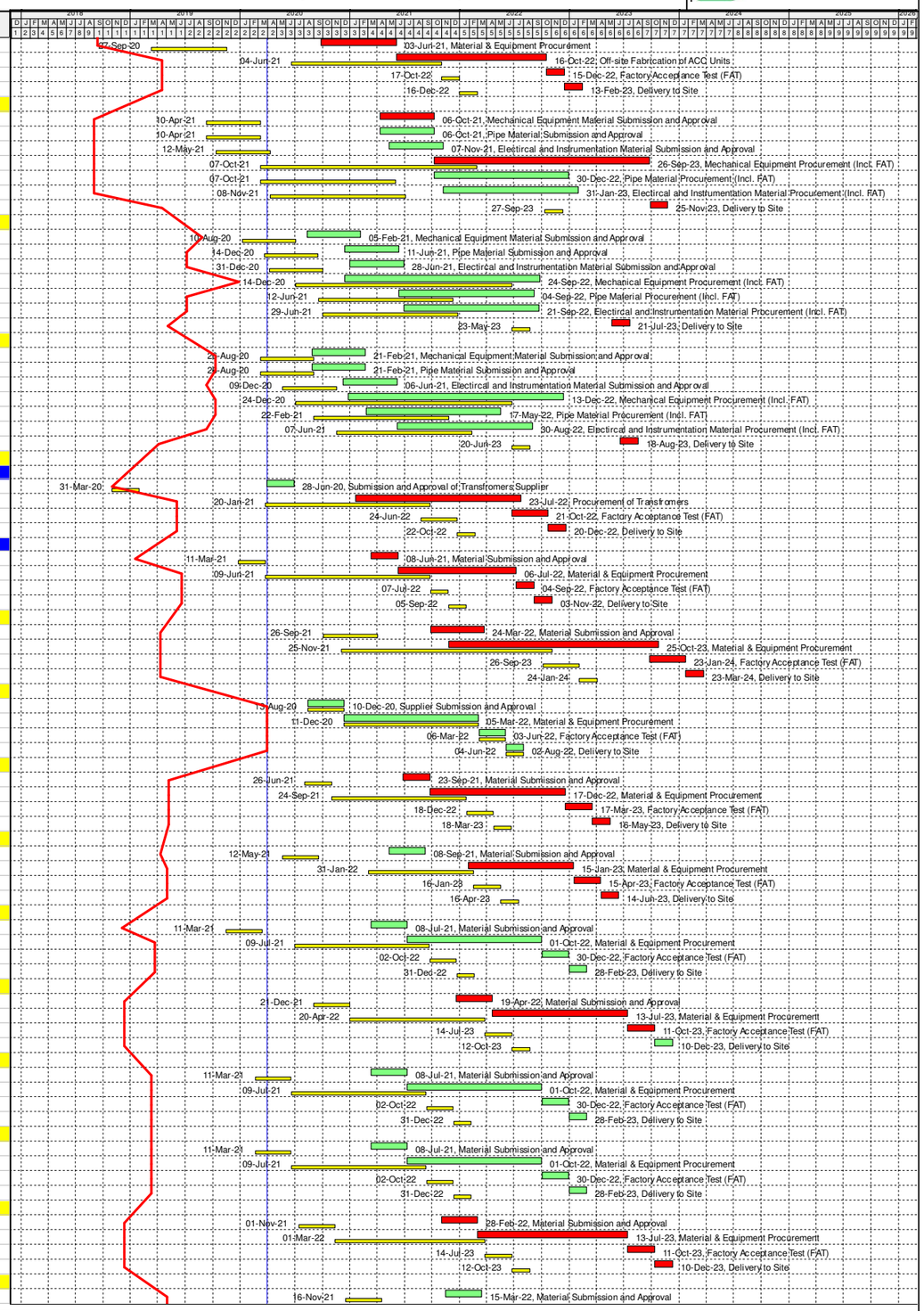


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
06-1110	Material & Equipment Procurement		250	27-Sep-20	03-Jun-21	27-Sep-20	03-Jun-21	14-Sep-20	22-May-21	-13	0%	
06-1120	Off-site Fabrication of ACC Units		500	04-Jun-21	16-Oct-22	04-Jun-21	16-Oct-22	22-May-21	04-Oct-22	-13	0%	
06-1130	Factory Acceptance Test (FAT)		60	17-Oct-22	15-Dec-22	17-Oct-22	15-Dec-22	04-Oct-22	03-Dec-22	-13	0%	
06-1140	Delivery to Site		60	16-Dec-22	13-Feb-23	16-Dec-22	13-Feb-23	03-Dec-22	01-Feb-23	-13	0%	
EP_SP_66_12-WP-3-M28.06.4 Procurement for MT Plant Equipment			**960**	**10-Apr-21**	**25-Nov-23**	**10-Apr-21**	**25-Nov-23**	**28-Nov-20**	**16-Jul-23**	**-133**		
06-1150-1(1)	Mechanical Equipment Material Submission and Approval		180	10-Apr-21	06-Oct-21	10-Apr-21	06-Oct-21	28-Nov-20	27-May-21	-133	0%	
06-1150-2(1)	Pipe Material Submission and Approval		180	10-Apr-21	06-Oct-21	10-Apr-21	06-Oct-21	25-Aug-21	21-Feb-22	137	0%	
06-1150-3(1)	Electircal and Instrumentation Material Submission and Approval		180	12-May-21	07-Nov-21	12-May-21	07-Nov-21	25-Aug-21	21-Feb-22	105	0%	
06-1160-1(1)	Mechanical Equipment Procurement (Incl. FAT)		720	07-Oct-21	26-Sep-23	07-Oct-21	26-Sep-23	27-May-21	17-May-23	-133	0%	
06-1160-2(1)	Pipe Material Procurement (Incl. FAT)		450	07-Oct-21	30-Dec-22	07-Oct-21	30-Dec-22	21-Feb-22	17-May-23	137	0%	
06-1160-3(1)	Electircal and Instrumentation Material Procurement (Incl. FAT)		450	08-Nov-21	31-Jan-23	08-Nov-21	31-Jan-23	21-Feb-22	17-May-23	105	0%	
06-1180	Delivery to Site		60	27-Sep-23	25-Nov-23	27-Sep-23	25-Nov-23	17-May-23	16-Jul-23	-133	0%	
EP_SP_66_12-WP-3-M28.06.5 Procurement for WWTP Equipment			**1076**	**10-Aug-20**	**21-Jul-23**	**10-Aug-20**	**21-Jul-23**	**18-Mar-21**	**27-May-23**	**-56**		
06-1190-1(1)	Mechanical Equipment Material Submission and Approval		180	10-Aug-20	05-Feb-21	10-Aug-20	05-Feb-21	18-Mar-21	14-Sep-21	220	0%	
06-1190-2(1)	Pipe Material Submission and Approval		180	14-Dec-20	11-Jun-21	14-Dec-20	11-Jun-21	06-Jul-21	02-Jan-22	204	0%	
06-1190-3(1)	Electircal and Instrumentation Material Submission and Approval		180	31-Dec-20	28-Jun-21	31-Dec-20	28-Jun-21	06-Jul-21	02-Jan-22	187	0%	
06-1200-1(1)	Mechanical Equipment Procurement (Incl. FAT)		650	14-Dec-20	24-Sep-22	14-Dec-20	24-Sep-22	16-Jun-21	28-Mar-23	184	0%	
06-1200-2(1)	Pipe Material Procurement (Incl. FAT)		450	12-Jun-21	04-Sep-22	12-Jun-21	04-Sep-22	02-Jan-22	28-Mar-23	204	0%	
06-1200-3(1)	Electircal and Instrumentation Material Procurement (Incl. FAT)		450	29-Jun-21	21-Sep-22	29-Jun-21	21-Sep-22	02-Jan-22	28-Mar-23	187	0%	
06-1220	Delivery to Site		60	23-May-23	21-Jul-23	23-May-23	21-Jul-23	28-Mar-23	27-May-23	-56	0%	
EP_SP_66_12-WP-3-M28.06.6 Procurement for Desal & Demin Plant Equipment			**1088**	**26-Aug-20**	**18-Aug-23**	**26-Aug-20**	**18-Aug-23**	**08-Dec-20**	**27-May-23**	**-84**		
06-1230-1(1)	Mechanical Equipment Material Submission and Approval		180	26-Aug-20	21-Feb-21	26-Aug-20	21-Feb-21	08-Dec-20	06-Jun-21	104	0%	
06-1230-2(1)	Pipe Material Submission and Approval		180	26-Aug-20	21-Feb-21	26-Aug-20	21-Feb-21	06-Jul-21	02-Jan-22	314	0%	
06-1230-3(1)	Electircal and Instrumentation Material Submission and Approval		180	09-Dec-20	06-Jun-21	09-Dec-20	06-Jun-21	06-Jul-21	02-Jan-22	209	0%	
06-1240-1(1)	Mechanical Equipment Procurement (Incl. FAT)		720	24-Dec-20	13-Dec-22	24-Dec-20	13-Dec-22	07-Apr-21	28-Mar-23	104	0%	
06-1240-2(1)	Pipe Material Procurement (Incl. FAT)		450	22-Feb-21	17-May-22	22-Feb-21	17-May-22	02-Jan-22	28-Mar-23	314	0%	
06-1240-3(1)	Electircal and Instrumentation Material Procurement (Incl. FAT)		450	07-Jun-21	30-Aug-22	07-Jun-21	30-Aug-22	02-Jan-22	28-Mar-23	209	0%	
06-1260	Delivery to Site		60	20-Jun-23	18-Aug-23	20-Jun-23	18-Aug-23	28-Mar-23	27-May-23	-84	0%	
EP_SP_66_12-WP-3-M28.06.7 Procurement for HV Transformers and Associated Equipment			**995**	**31-Mar-20**	**20-Dec-22**	**31-Mar-20**	**20-Dec-22**	**07-Jul-20**	**05-Oct-22**	**-77**		
EP_SP_66_12-WP-3-M28.06.7.1 Procurement of Transformers & EDG			**995**	**31-Mar-20**	**20-Dec-22**	**31-Mar-20**	**20-Dec-22**	**07-Jul-20**	**05-Sep-22**	**-107**		
06-1270(1)	Submission and Approval of Transfromers Supplier		90	31-Mar-20	28-Jun-20	31-Mar-20	28-Jun-20	07-Jul-20	05-Oct-20	98	0%	
06-1280(1)	Procurement of Transformers		550	20-Jan-21	23-Jul-22	20-Jan-21	23-Jul-22	05-Oct-20	08-Apr-22	-107	0%	
06-1290(1)	Factory Acceptance Test (FAT)		120	24-Jun-22	21-Oct-22	24-Jun-22	21-Oct-22	09-Mar-22	07-Jul-22	-107	0%	
06-1300	Delivery to Site		60	22-Oct-22	20-Dec-22	22-Oct-22	20-Dec-22	07-Jul-22	05-Sep-22	-107	0%	
EP_SP_66_12-WP-3-M28.06.7.2 Procurement of Switchboard/Pannels and Cables			**603**	**11-Mar-21**	**03-Nov-22**	**11-Mar-21**	**03-Nov-22**	**09-Feb-21**	**05-Oct-22**	**-30**		
06-2090(1)	Material Submission and Approval		90	11-Mar-21	08-Jun-21	11-Mar-21	08-Jun-21	09-Feb-21	10-May-21	-30	0%	
06-2100(1)	Material & Equipment Procurement		393	09-Jun-21	06-Jul-22	09-Jun-21	06-Jul-22	10-May-21	07-Jun-22	-30	0%	
06-2110(1)	Factory Acceptance Test (FAT)		60	07-Jul-22	04-Sep-22	07-Jul-22	04-Sep-22	07-Jun-22	06-Aug-22	-30	0%	
06-2120(1)	Delivery to Site		60	05-Sep-22	03-Nov-22	05-Sep-22	03-Nov-22	06-Aug-22	05-Oct-22	-30	0%	
EP_SP_66_12-WP-3-M28.06.8 Procurement for Control SCADA Systems			**910**	**26-Sep-21**	**23-Mar-24**	**26-Sep-21**	**23-Mar-24**	**07-Jul-21**	**03-Jan-24**	**-81**		
06-1310	Material Submission and Approval	As Late As Possible	180	26-Sep-21	24-Mar-22	26-Sep-21	24-Mar-22	07-Jul-21	03-Jan-22	-81	0%	
06-1320	Material & Equipment Procurement	As Late As Possible	700	25-Nov-21	25-Oct-23	25-Nov-21	25-Oct-23	05-Sep-21	06-Aug-23	-81	0%	
06-1330	Factory Acceptance Test (FAT)	As Late As Possible	120	26-Sep-23	23-Jan-24	26-Sep-23	23-Jan-24	07-Jul-23	04-Nov-23	-81	0%	
06-1340	Delivery to Site	As Late As Possible	60	24-Jan-24	23-Mar-24	24-Jan-24	23-Mar-24	04-Nov-23	03-Jan-24	-81	0%	
EP_SP_66_12-WP-3-M28.06.9 Procurement for Onshore Crane at Berth			**720**	**13-Aug-20**	**02-Aug-22**	**13-Aug-20**	**02-Aug-22**	**20-Jul-21**	**10-Jul-23**	**341**		
06-1350	Supplier Submission and Approval		120	13-Aug-20	10-Dec-20	13-Aug-20	10-Dec-20	20-Jul-21	17-Nov-21	341	0%	
06-1360	Material & Equipment Procurement		450	11-Dec-20	05-Mar-22	11-Dec-20	05-Mar-22	17-Nov-21	10-Feb-23	341	0%	
06-1370	Factory Acceptance Test (FAT)		90	06-Mar-22	03-Jun-22	06-Mar-22	03-Jun-22	10-Feb-23	11-May-23	341	0%	
06-1380	Delivery to Site		60	04-Jun-22	02-Aug-22	04-Jun-22	02-Aug-22	11-May-23	10-Jul-23	341	0%	
EP_SP_66_12-WP-3-M28.06.10 Procruement and Off-site Fabrication of Pipe Bridges (Incl. Pipings)			**690**	**26-Jun-21**	**16-May-23**	**26-Jun-21**	**16-May-23**	**15-Apr-21**	**06-Mar-23**	**-72**		
06-1390(1)	Material Submission and Approval	As Late As Possible	90	26-Jun-21	23-Sep-21	26-Jun-21	23-Sep-21	15-Apr-21	14-Jul-21	-72	0%	
06-1400	Material & Equipment Procurement	As Late As Possible	450	24-Sep-21	17-Dec-22	24-Sep-21	17-Dec-22	14-Jul-21	07-Oct-22	-72	0%	
06-1410	Factory Acceptance Test (FAT)	As Late As Possible	90	18-Dec-22	17-Mar-23	18-Dec-22	17-Mar-23	07-Oct-22	05-Jan-23	-72	0%	
06-1420	Delivery to Site	As Late As Possible	60	18-Mar-23	16-May-23	18-Mar-23	16-May-23	05-Jan-23	06-Mar-23	-72	0%	
EP_SP_66_12-WP-3-M28.06.11 Procurement for LV Electrical System for On-site Installation			**764**	**12-May-21**	**14-Jun-23**	**12-May-21**	**14-Jun-23**	**14-Sep-21**	**27-May-23**	**-19**		
06-1430(1)	Material Submission and Approval		120	12-May-21	08-Sep-21	12-May-21	08-Sep-21	14-Sep-21	12-Jan-22	125	0%	
06-1440	Material & Equipment Procurement	As Late As Possible	350	31-Jan-22	15-Jan-23	31-Jan-22	15-Jan-23	12-Jan-22	28-Dec-22	-19	0%	
06-1450	Factory Acceptance Test (FAT)	As Late As Possible	90	16-Jan-23	15-Apr-23	16-Jan-23	15-Apr-23	28-Dec-22	28-Mar-23	-19	0%	
06-1460	Delivery to Site	As Late As Possible	60	16-Apr-23	14-Jun-23	16-Apr-23	14-Jun-23	28-Mar-23	27-May-23	-19	0%	
EP_SP_66_12-WP-3-M28.06.12 Procurement for Ventilation and Odor Treatment System			**720**	**11-Mar-21**	**28-Feb-23**	**11-Mar-21**	**28-Feb-23**	**26-Mar-21**	**16-Mar-23**	**15**		
06-1470(1)	Material Submission and Approval		120	11-Mar-21	08-Jul-21	11-Mar-21	08-Jul-21	26-Mar-21	24-Jul-21	15	0%	
06-1480	Material & Equipment Procurement	As Late As Possible	450	09-Jul-21	01-Oct-22	09-Jul-21	01-Oct-22	24-Jul-21	17-Oct-22	54	0%	
06-1490	Factory Acceptance Test (FAT)	As Late As Possible	90	02-Oct-22	30-Dec-22	02-Oct-22	30-Dec-22	17-Oct-22	15-Jan-23	54	0%	
06-1500	Delivery to Site	As Late As Possible	60	31-Dec-22	28-Feb-23	31-Dec-22	28-Feb-23	15-Jan-23	16-Mar-23	54	0%	
EP_SP_66_12-WP-3-M28.06.13 Procurement for Fire Services System			**720**	**21-Dec-21**	**10-Dec-23**	**21-Dec-21**	**10-Dec-23**	**19-Aug-21**	**09-Aug-23**	**-124**		
06-1510	Material Submission and Approval		120	21-Dec-21	19-Apr-22	21-Dec-21	19-Apr-22	19-Aug-21	17-Dec-21	-124	0%	
06-1520	Material & Equipment Procurement		450	20-Apr-22	13-Jul-23	20-Apr-22	13-Jul-23	17-Dec-21	12-Mar-23	-124	0%	
06-1530	Factory Acceptance Test (FAT)		90	14-Jul-23	11-Oct-23	14-Jul-23	11-Oct-23	12-Mar-23	10-Jun-23	-124	0%	
06-1540	Delivery to Site	As Late As Possible	60	12-Oct-23	10-Dec-23	12-Oct-23	10-Dec-23	10-Jun-23	09-Aug-23		0%	
EP_SP_66_12-WP-3-M28.06.14 Procurement for Plumbing System			**720**	**11-Mar-21**	**28-Feb-23**	**11-Mar-21**	**28-Feb-23**	**14-Jun-21**	**04-Jun-23**	**95**		
06-1550	Material Submission and Approval	As Late As Possible	120	11-Mar-21	08-Jul-21	11-Mar-21	08-Jul-21	14-Jun-21	12-Oct-21	160	0%	
06-1560	Material & Equipment Procurement	As Late As Possible	450	09-Jul-21	01-Oct-22	09-Jul-21	01-Oct-22	12-Oct-21	05-Jan-23	160	0%	
06-1570	Factory Acceptance Test (FAT)	As Late As Possible	90	02-Oct-22	30-Dec-22	02-Oct-22	30-Dec-22	05-Jan-23	05-Apr-23	160	0%	
06-1580	Delivery to Site	As Late As Possible	60	31-Dec-22	28-Feb-23	31-Dec-22	28-Feb-23	05-Apr-23	04-Jun-23	160	0%	
EP_SP_66_12-WP-3-M28.06.15 Procurement for Drainage System			**720**	**11-Mar-21**	**28-Feb-23**	**11-Mar-21**	**28-Feb-23**	**14-Jun-21**	**04-Jun-23**	**95**		
06-1590	Material Submission and Approval	As Late As Possible	120	11-Mar-21	08-Jul-21	11-Mar-21	08-Jul-21	14-Jun-21	12-Oct-21	160	0%	
06-1600	Material & Equipment Procurement	As Late As Possible	450	09-Jul-21	01-Oct-22	09-Jul-21	01-Oct-22	12-Oct-21	05-Jan-23	160	0%	
06-1610	Factory Acceptance Test (FAT)	As Late As Possible	90	02-Oct-22	30-Dec-22	02-Oct-22	30-Dec-22	05-Jan-23	05-Apr-23	160	0%	
06-1620	Delivery to Site	As Late As Possible	60	31-Dec-22	28-Feb-23	31-Dec-22	28-Feb-23	05-Apr-23	04-Jun-23	160	0%	
EP_SP_66_12-WP-3-M28.06.16 Procurement for Lighting System			**770**	**01-Nov-21**	**10-Dec-23**	**01-Nov-21**	**10-Dec-23**	**30-Jun-21**	**09-Aug-23**	**-124**		
06-1630	Material Submission and Approval	As Late As Possible	120	01-Nov-21	28-Feb-22	01-Nov-21	28-Feb-22	30-Jun-21	28-Oct-21	-124	0%	
06-1640	Material & Equipment Procurement	As Late As Possible	500	01-Mar-22	13-Jul-23	01-Mar-22	13-Jul-23	28-Oct-21	12-Mar-23	-124	0%	
06-1650	Factory Acceptance Test (FAT)	As Late As Possible	90	14-Jul-23	11-Oct-23	14-Jul-23	11-Oct-23	12-Mar-23	10-Jun-23	-124	0%	
06-1660	Delivery to Site	As Late As Possible	60	12-Oct-23	10-Dec-23	12-Oct-23	10-Dec-23	10-Jun-23	09-Aug-23	-124	0%	
EP_SP_66_12-WP-3-M28.06.17 Procurement for Security, Surveillance & Communication System			**570**	**16-Nov-21**	**08-Jun-23**	**16-Nov-21**	**08-Jun-23**	**11-Dec-21**	**04-Jul-23**	**25**		
06-1670	Material Submission and Approval	As Late As Possible	120	16-Nov-21	15-Mar-22	16-Nov-21	15-Mar-22	11-Dec-21	10-Apr-22	25	0%	

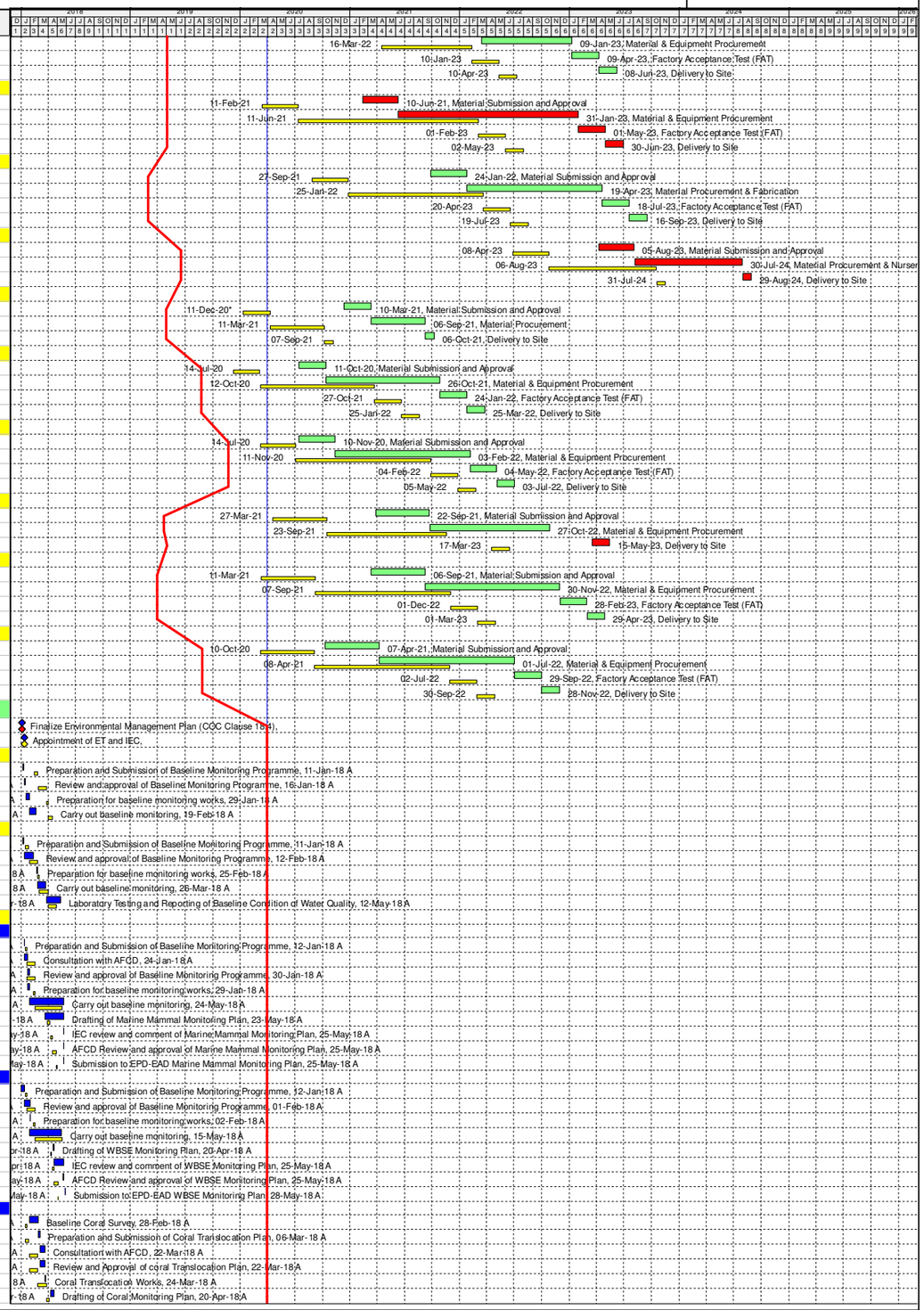


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
06-1680	Material & Equipment Procurement	As Late As Possible	300	16-Mar-22	09-Jan-23	16-Mar-22	09-Jan-23	10-Apr-22	04-Feb-23	25	0%	
06-1690	Factory Acceptance Test (FAT)	As Late As Possible	90	10-Jan-23	09-Apr-23	10-Jan-23	09-Apr-23	04-Feb-23	05-May-23	25	0%	
06-1700	Delivery to Site	As Late As Possible	60	10-Apr-23	08-Jun-23	10-Apr-23	08-Jun-23	05-May-23	04-Jul-23	25	0%	
EP_SP_66_12-WP-3-M28.06.18 Procurement for Cranage Equipment			**870**	**11-Feb-21**	**30-Jun-23**	**11-Feb-21**	**30-Jun-23**	**21-Jan-21**	**10-Jun-23**	**-21**		
06-1710	Material Submission and Approval	As Late As Possible	120	11-Feb-21	10-Jun-21	11-Feb-21	10-Jun-21	21-Jan-21	21-May-21	-21	0%	
06-1720	Material & Equipment Procurement	As Late As Possible	600	11-Jun-21	31-Jan-23	11-Jun-21	31-Jan-23	21-May-21	11-Jan-23	-21	0%	
06-1730	Factory Acceptance Test (FAT)	As Late As Possible	90	01-Feb-23	01-May-23	01-Feb-23	01-May-23	11-Jan-23	11-Apr-23	-21	0%	
06-1740	Delivery to Site	As Late As Possible	60	02-May-23	30-Jun-23	02-May-23	30-Jun-23	11-Apr-23	10-Jun-23	-21	0%	
EP_SP_66_12-WP-3-M28.06.19 Procurement for Lift and Escalator Systems			**720**	**27-Sep-21**	**16-Sep-23**	**27-Sep-21**	**16-Sep-23**	**01-Dec-21**	**21-Nov-23**	**65**		
06-1750	Material Submission and Approval		120	27-Sep-21	24-Jan-22	27-Sep-21	24-Jan-22	01-Dec-21	31-Mar-22	65	0%	
06-1760	Material Procurement & Fabrication		450	25-Jan-22	19-Apr-23	25-Jan-22	19-Apr-23	31-Mar-22	24-Jun-23	65	0%	
06-1770	Factory Acceptance Test (FAT)		90	20-Apr-23	18-Jul-23	20-Apr-23	18-Jul-23	24-Jun-23	22-Sep-23	65	0%	
06-1780	Delivery to Site		60	19-Jul-23	16-Sep-23	19-Jul-23	16-Sep-23	22-Sep-23	21-Nov-23	65	0%	
EP_SP_66_12-WP-3-M28.06.20 Procurement for Soft Landscape Materials			**510**	**08-Apr-23**	**29-Aug-24**	**08-Apr-23**	**29-Aug-24**	**11-Mar-23**	**02-Aug-24**	**-28**		
06-1790	Material Submission and Approval	As Late As Possible	120	08-Apr-23	05-Aug-23	08-Apr-23	05-Aug-23	11-Mar-23	09-Jul-23	-28	0%	
06-1800	Material Procurement & Nursery	As Late As Possible	360	06-Aug-23	30-Jul-24	06-Aug-23	30-Jul-24	09-Jul-23	03-Jul-24	-28	0%	
06-1810	Delivery to Site	As Late As Possible	30	31-Jul-24	29-Aug-24	31-Jul-24	29-Aug-24	03-Jul-24	02-Aug-24	-28	0%	
EP_SP_66_12-WP-3-M28.06.21 Procurement for Air Quality Monitoring Station Equipment			**300**	**11-Dec-20**	**06-Oct-21**	**11-Dec-20**	**06-Oct-21**	**18-Mar-21**	**12-Jan-22**	**97**		
06-2150(1)	Material Submission and Approval	Start On or After	90	11-Dec-20	10-Mar-21	11-Dec-20*	10-Mar-21	18-Mar-21	16-Jun-21	97	0%	
06-2160(1)	Material Procurement		180	11-Mar-21	06-Sep-21	11-Mar-21	06-Sep-21	16-Jun-21	13-Dec-21	97	0%	
06-2200(1)	Delivery to Site		30	07-Sep-21	06-Oct-21	07-Sep-21	06-Oct-21	13-Dec-21	12-Jan-22	97	0%	
EP_SP_66_12-WP-3-M28.06.22 Procurement for Air Compressor Equipment			**620**	**14-Jul-20**	**25-Mar-22**	**14-Jul-20**	**25-Mar-22**	**24-Nov-21**	**06-Aug-23**	**498**		
06-1870(1)	Material Submission and Approval		90	14-Jul-20	11-Oct-20	14-Jul-20	11-Oct-20	24-Nov-21	22-Feb-22	498	0%	
06-1880(1)	Material & Equipment Procurement		380	12-Oct-20	26-Oct-21	12-Oct-20	26-Oct-21	22-Feb-22	09-Mar-23	498	0%	
06-1890(1)	Factory Acceptance Test (FAT)		90	27-Oct-21	24-Jan-22	27-Oct-21	24-Jan-22	09-Mar-23	07-Jun-23	498	0%	
06-1900(1)	Delivery to Site		60	25-Jan-22	25-Mar-22	25-Jan-22	25-Mar-22	07-Jun-23	06-Aug-23	498	0%	
EP_SP_66_12-WP-3-M28.06.23 Procurement for Weight Bridge System			**720**	**14-Jul-20**	**03-Jul-22**	**14-Jul-20**	**03-Jul-22**	**20-Jul-21**	**10-Jul-23**	**371**		
06-2210(1)	Material Submission and Approval		120	14-Jul-20	10-Nov-20	14-Jul-20	10-Nov-20	20-Jul-21	17-Nov-21	371	0%	
06-2220(1)	Material & Equipment Procurement		450	11-Nov-20	03-Feb-22	11-Nov-20	03-Feb-22	17-Nov-21	10-Feb-23	371	0%	
06-2230(1)	Factory Acceptance Test (FAT)		90	04-Feb-22	04-May-22	04-Feb-22	04-May-22	10-Feb-23	11-May-23	371	0%	
06-2240(1)	Delivery to Site		60	05-May-22	03-Jul-22	05-May-22	03-Jul-22	11-May-23	10-Jul-23	371	0%	
EP_SP_66_12-WP-3-M28.06.24 Procurement for Pipes and Insulation for on site installations			**780**	**27-Mar-21**	**15-May-23**	**27-Mar-21**	**15-May-23**	**10-Aug-21**	**12-May-23**	**-4**		
06-2250(1)	Material Submission and Approval		180	27-Mar-21	22-Sep-21	27-Mar-21	22-Sep-21	10-Aug-21	06-Feb-22	136	0%	
06-2260(1)	Material & Equipment Procurement		400	23-Sep-21	27-Oct-22	23-Sep-21	27-Oct-22	06-Feb-22	13-Mar-23	136	0%	
06-2270(1)	Delivery to Site	As Late As Possible	60	17-Mar-23	15-May-23	17-Mar-23	15-May-23	13-Mar-23	12-May-23	-4	0%	
EP_SP_66_12-WP-3-M28.06.25 Procurement for Truck Wash System			**780**	**11-Mar-21**	**29-Apr-23**	**11-Mar-21**	**29-Apr-23**	**11-Sep-21**	**31-Oct-23**	**184**		
06-2290(1)	Material Submission and Approval		180	11-Mar-21	06-Sep-21	11-Mar-21	06-Sep-21	11-Sep-21	10-Mar-22	184	0%	
06-2300(1)	Material & Equipment Procurement		450	07-Sep-21	30-Nov-22	07-Sep-21	30-Nov-22	10-Mar-22	03-Jun-23	184	0%	
06-2310(1)	Factory Acceptance Test (FAT)		90	01-Dec-22	28-Feb-23	01-Dec-22	28-Feb-23	03-Jun-23	01-Sep-23	184	0%	
06-2320(1)	Delivery to Site		60	01-Mar-23	29-Apr-23	01-Mar-23	29-Apr-23	01-Sep-23	31-Oct-23	184	0%	
EP_SP_66_12-WP-3-M28.06.26 Procurement for CCCW Equipment			**780**	**10-Oct-20**	**28-Nov-22**	**10-Oct-20**	**28-Nov-22**	**17-Jun-21**	**06-Aug-23**	**250**		
06-2290(1)10	Material Submission and Approval		180	10-Oct-20	07-Apr-21	10-Oct-20	07-Apr-21	17-Jun-21	14-Dec-21	250	0%	
06-2300(1)10	Material & Equipment Procurement		450	08-Apr-21	01-Jul-22	08-Apr-21	01-Jul-22	14-Dec-21	09-Mar-23	250	0%	
06-2310(1)10	Factory Acceptance Test (FAT)		90	02-Jul-22	29-Sep-22	02-Jul-22	29-Sep-22	09-Mar-23	07-Jun-23	250	0%	
06-2320(1)10	Delivery to Site		60	30-Sep-22	28-Nov-22	30-Sep-22	28-Nov-22	07-Jun-23	06-Aug-23	250	0%	
EP_SP_66_12-WP-3-M28.07 Environmental Works			**2009**	**04-Jul-22**	**03-Jul-23**	**02-Jan-18 A**	**03-Jul-23**	**09-Oct-22**	**09-Oct-23**	**97**		
07-1250(1)	Finalize Environmental Management Plan (COC Clause 18.4)	Finish On or Before	0				05-Jan-18 A				100%	
07-1260(1)	Appointment of ET and IEC		0				13-Jan-18 A				100%	
EP_SP_66_12-WP-3-M28.07.3 Baseline Noise Monitoring			**43**			**07-Jan-18 A**	**19-Feb-18 A**					
07-1050	Preparation and Submission of Baseline Monitoring Programme		4			07-Jan-18 A	11-Jan-18 A				100%	
07-1060	Review and approval of Baseline Monitoring Programme		4			12-Jan-18 A	16-Jan-18 A				100%	
07-1070	Preparation for baseline monitoring works		10			19-Jan-18 A	29-Jan-18 A				100%	
07-1080	Carry out baseline monitoring		20			30-Jan-18 A	19-Feb-18 A				100%	
EP_SP_66_12-WP-3-M28.07.1 Baseline Water Quality Monitoring			**125**			**07-Jan-18 A**	**12-May-18 A**					
07-1090	Preparation and Submission of Baseline Monitoring Programme		4			07-Jan-18 A	11-Jan-18 A				100%	
07-1100	Review and approval of Baseline Monitoring Programme		31			12-Jan-18 A	12-Feb-18 A				100%	
07-1110	Preparation for baseline monitoring works		2			23-Feb-18 A	25-Feb-18 A				100%	
07-1120	Carry out baseline monitoring		28			26-Feb-18 A	26-Mar-18 A				100%	
07-2790(1)	Laboratory Testing and Reporting of Baseline Condition of Water Quality		46			27-Mar-18 A	12-May-18 A				100%	
EP_SP_66_12-WP-3-M28.07.2 Baseline Ecology Impact Monitoring and Mitigation			**146**			**02-Jan-18 A**	**28-May-18 A**					
EP_SP_66_12-WP-3-M28.07.2.1 Finless Porpoise			**133**			**12-Jan-18 A**	**25-May-18 A**					
07-1130	Preparation and Submission of Baseline Monitoring Programme		0			12-Jan-18 A	12-Jan-18 A				100%	
07-1140	Consultation with AFCD		12			12-Jan-18 A	24-Jan-18 A				100%	
07-1150	Review and approval of Baseline Monitoring Programme		7			23-Jan-18 A	30-Jan-18 A				100%	
07-1160	Preparation for baseline monitoring works		6			23-Jan-18 A	29-Jan-18 A				100%	
07-1170	Carry out baseline monitoring	Finish On or Before	114			30-Jan-18 A	24-May-18 A				100%	
07-2800(1)	Drafting of Marine Mammal Monitoring Plan		61			23-Mar-18 A	23-May-18 A				100%	
07-2810(1)	IEC review and comment of Marine Mammal Monitoring Plan		1			24-May-18 A	25-May-18 A				100%	
07-2820(1)	AFCD Review and approval of Marine Mammal Monitoring Plan		1			24-May-18 A	25-May-18 A				100%	
07-2830(1)	Submission to EPD-EAD Marine Mammal Monitoring Plan		0			25-May-18 A	25-May-18 A				100%	
EP_SP_66_12-WP-3-M28.07.2.2 White Bellied Sea Eagle (WBSE)			**146**			**02-Jan-18 A**	**28-May-18 A**					
07-1180	Preparation and Submission of Baseline Monitoring Programme		10			02-Jan-18 A	12-Jan-18 A				100%	
07-1190	Review and approval of Baseline Monitoring Programme		20			12-Jan-18 A	01-Feb-18 A				100%	
07-1200	Preparation for baseline monitoring works		1			01-Feb-18 A	02-Feb-18 A				100%	
07-1210	Carry out baseline monitoring	Finish On or Before	105			30-Jan-18 A	15-May-18 A				100%	
07-2750(1)	Drafting of WBSE Monitoring Plan		2			18-Apr-18 A	20-Apr-18 A				100%	
07-2760(1)	IEC review and comment of WBSE Monitoring Plan		34			21-Apr-18 A	25-May-18 A				100%	
07-2770(1)	AFCD Review and approval of WBSE Monitoring Plan		4			21-May-18 A	25-May-18 A				100%	
07-2780(1)	Submission to EPD-EAD WBSE Monitoring Plan		0			28-May-18 A	28-May-18 A				100%	
EP_SP_66_12-WP-3-M28.07.2.4 Coral Survey and Translocations			**119**			**29-Jan-18 A**	**28-May-18 A**					
07-1000	Baseline Coral Survey		30			29-Jan-18 A	28-Feb-18 A				100%	
07-1010	Preparation and Submission of Coral Translocation Plan		5			01-Mar-18 A	06-Mar-18 A				100%	
07-1020	Consultation with AFCD		15			07-Mar-18 A	22-Mar-18 A				100%	
07-1030	Review and Approval of coral Translocation Plan		15			07-Mar-18 A	22-Mar-18 A				100%	
07-1040	Coral Translocation Works	Finish On or Before	1			23-Mar-18 A	24-Mar-18 A				100%	
07-2710(1)	Drafting of Coral Monitoring Plan		10			10-Apr-18 A	20-Apr-18 A				100%	

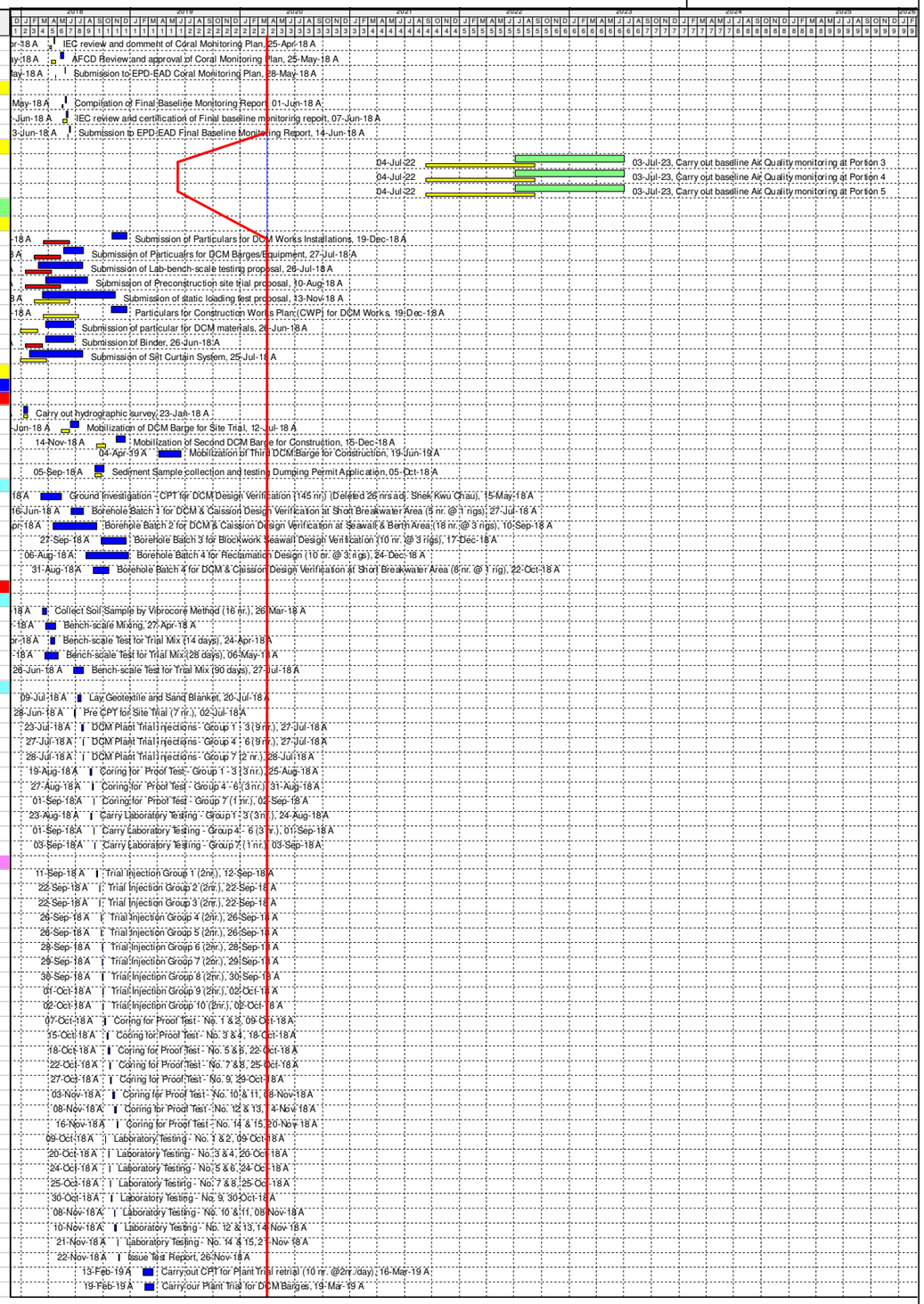


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
07-2720(1)	IEC review and comment of Coral Monitoring Plan		4			21-Apr-18 A	25-Apr-18 A				100%	
07-2730(1)	AFCD Review and approval of Coral Monitoring Plan		11			14-May-18 A	25-May-18 A				100%	
07-2740(1)	Submission to EPD-EAD Coral Monitoring Plan		0			28-May-18 A	28-May-18 A				100%	
EP_SP_66_12-WP-3-M28.07.5 Baseline Monitoring Information and Report			**16**			**29-May-18 A**	**14-Jun-18 A**					
07-2680(1)	Compilation of Final Baseline Monitoring Report		3			29-May-18 A	01-Jun-18 A				100%	
07-2690(1)	IEC review and certification of Final baseline monitoring report		5			02-Jun-18 A	07-Jun-18 A				100%	
07-2700(1)	Submission to EPD-EAD Final Baseline Monitoring Report		1			13-Jun-18 A	14-Jun-18 A				100%	
EP_SP_66_12-WP-3-M28.07.4 Baseline Air Quality Monitoring Works			**365**	**04-Jul-22**	**03-Jul-23**	**04-Jul-22**	**03-Jul-23**	**09-Oct-22**	**09-Oct-23**	**97**		
07-1220	Carry out baseline Air Quality monitoring at Portion 3		365	04-Jul-22	03-Jul-23	04-Jul-22	03-Jul-23	09-Oct-22	09-Oct-23	97	0%	
07-1230	Carry out baseline Air Quality monitoring at Portion 4		365	04-Jul-22	03-Jul-23	04-Jul-22	03-Jul-23	09-Oct-22	09-Oct-23	97	0%	
07-1240	Carry out baseline Air Quality monitoring at Portion 5		365	04-Jul-22	03-Jul-23	04-Jul-22	03-Jul-23	09-Oct-22	09-Oct-23	97	0%	
EP_SP_66_12-WP-3-M28.08 Maritime Works			**1614**	**31-Mar-20**	**11-Jun-22**	**10-Jan-18 A**	**11-Jun-22**	**04-Nov-19**	**02-Jan-23**	**204**		
EP_SP_66_12-WP-3-M28.08.3 Submissions			**324**			**29-Jan-18 A**	**19-Dec-18 A**					
08-900	Submission of Particulars for DCM Works Installations	Mandatory Start	47			02-Nov-18 A	19-Dec-18 A				100%	
08-910	Submission of Particualrs for DCM Barges/Equipment	Mandatory Start	65			23-May-18 A	27-Jul-18 A				50%	
08-920	Submission of Lab-bench-scale testing proposal	Mandatory Start	147			01-Mar-18 A	26-Jul-18 A				100%	
08-930	Submission of Preconstruction site trial proposal	Mandatory Start	137			26-Mar-18 A	10-Aug-18 A				100%	
08-940	Submission of static loading test proposal		245			13-Mar-18 A	13-Nov-18 A				100%	
08-950	Particulars for Construction Works Plan (CWP) for DCM Works		51			29-Oct-18 A	19-Dec-18 A				100%	
08-960	Submission of particular for DCM materials		92			26-Mar-18 A	26-Jun-18 A				100%	
08-970	Submission of Binder		92			26-Mar-18 A	26-Jun-18 A				100%	
08-980	Submission of Silt Curtain System		177			29-Jan-18 A	25-Jul-18 A				100%	
EP_SP_66_12-WP-3-M28.08.1 Marine Construction			**1614**	**31-Mar-20**	**11-Jun-22**	**10-Jan-18 A**	**11-Jun-22**	**04-Nov-19**	**02-Jan-23**	**204**		
EP_SP_66_12-WP-3-M28.08.1.1 Phase I - Construction of Perimeter Seawalls			**1479**	**31-Mar-20**	**27-Jan-22**	**10-Jan-18 A**	**27-Jan-22**	**04-Nov-19**	**03-Jan-22**	**-25**		
EP_SP_66_12-WP-3-M28.08.1.1.3 Marine Works Preparations			**525**			**10-Jan-18 A**	**19-Jun-19 A**					
08-0900	Carry out hydrographic survey		13			10-Jan-18 A	23-Jan-18 A				100%	
08-1010	Mobilization of DCM Barge for Site Trial		28			14-Jun-18 A	12-Jul-18 A				100%	
08-1020	Mobilization of Second DCM Barge for Construction		31			14-Nov-18 A	15-Dec-18 A				100%	
08-1030(3)(M15)	Mobilization of Third DCM Barge for Construction	Start On or After	76			04-Apr-19 A	19-Jun-19 A				100%	
08-1340(2)	Sediment Sample collection and testing Dumping Permit Application	Start On or After	30			05-Sep-18 A	05-Oct-18 A				100%	
EP_SP_66_12-WP-3-M28.08.1.1.3.2 Marine Ground Investigation Works			**290**			**09-Mar-18 A**	**24-Dec-18 A**					
08-1005-1	Ground Investigation - CPT for DCM Design Verification (145 nr.) (Deleted 26 nrs adj. Shek Kwu Chau)		67			09-Mar-18 A	15-May-18 A				100%	
08-1005-2	Borehole Batch 1 for DCM & Caission Design Verification at Short Breakwater Area (5 nr. @ 1 rigs)	Start On or After	41			16-Jun-18 A	27-Jul-18 A				100%	
08-1005-3	Borehole Batch 2 for DCM & Caission Design Verification at Seawall & Berth Area (18 nr. @ 3 rigs)	Start On or After	146			17-Apr-18 A	10-Sep-18 A				100%	
08-1005-4	Borehole Batch 3 for Blockwork Seawall Design Verification (10 nr. @ 3 rigs)	Finish On or Before	81			27-Sep-18 A	17-Dec-18 A				100%	
08-1005-5	Borehole Batch 4 for Reclamation Design (10 nr. @ 3 rigs)		140			06-Aug-18 A	24-Dec-18 A				100%	
08-1005-6	Borehole Batch 4 for DCM & Caission Design Verification at Short Breakwater Area (8 nr. @ 1 rig)		52			31-Aug-18 A	22-Oct-18 A				100%	
EP_SP_66_12-WP-3-M28.08.1.1.1 Seawall and Berth at DCM Area			**1417**	**31-Mar-20**	**27-Jan-22**	**13-Mar-18 A**	**27-Jan-22**	**04-Nov-19**	**03-Jan-22**	**-25**		
EP_SP_66_12-WP-3-M28.08.1.1.1.1 Bench-scale Testing			**136**			**13-Mar-18 A**	**27-Jul-18 A**					
08-1030-01(1)(N	Collect Soil Sample by Vibrocore Method (16 nr.)		14			13-Mar-18 A	26-Mar-18 A				100%	
08-1030-02(1)(N	Bench-scale Mixing		32			26-Mar-18 A	27-Apr-18 A				100%	
08-1030-03(1)(N	Bench-scale Test for Trial Mix (14 days)		15			09-Apr-18 A	24-Apr-18 A				100%	
08-1030-04(1)(N	Bench-scale Test for Trial Mix (28 days)		44			23-Mar-18 A	06-May-18 A				100%	
08-1030-05(1)(N	Bench-scale Test for Trial Mix (90 days)		31			26-Jun-18 A	27-Jul-18 A				100%	
EP_SP_66_12-WP-3-M28.08.1.1.1.2 DCM Plant & Site Trial			**408**			**28-Jun-18 A**	**10-Aug-19 A**					
08-1040-01(1)(N	Lay Geotextile and Sand Blanket		11			09-Jul-18 A	20-Jul-18 A				100%	
08-1040-02(1)(N	Pre CPT for Site Trial (7 nr.)	Start On or After	4			28-Jun-18 A	02-Jul-18 A				100%	
08-1040-03(1)(N	DCM Plant Trial injections - Group 1 - 3 (9 nr.)		4			23-Jul-18 A	27-Jul-18 A				100%	
08-1040-04(1)(N	DCM Plant Trial injections - Group 4 - 6 (9 nr.)		0			27-Jul-18 A	27-Jul-18 A				100%	
08-1040-05(1)(N	DCM Plant Trial injections - Group 7 (2 nr.)		0			28-Jul-18 A	28-Jul-18 A				100%	
08-1040-06(1)(N	Coring for Proof Test - Group 1 - 3 (3 nr.)		6			19-Aug-18 A	25-Aug-18 A				100%	
08-1040-07(1)(N	Coring for Proof Test - Group 4 - 6 (3 nr.)		4			27-Aug-18 A	31-Aug-18 A				100%	
08-1040-08(1)(N	Coring for Proof Test - Group 7 (1 nr.)		2			01-Sep-18 A	02-Sep-18 A				100%	
08-1040-09(1)(N	Carry Laboratory Testing - Group 1 - 3 (3 nr.)		1			23-Aug-18 A	24-Aug-18 A				100%	
08-1040-10(1)(N	Carry Laboratory Testing - Group 4 - 6 (3 nr.)		1			01-Sep-18 A	01-Sep-18 A				100%	
08-1040-11(1)(N	Carry Laboratory Testing - Group 7 (1 nr.)		1			03-Sep-18 A	03-Sep-18 A				100%	
EP_SP_66_12-WP-3-M28.08.1.1.1.2.1 Plant & Site Trial Re-trial			**333**			**11-Sep-18 A**	**10-Aug-19 A**					
08-1040-13(1)(	Trial Injection Group 1 (2nr.)		1			11-Sep-18 A	12-Sep-18 A				100%	
08-1040-14(1)(	Trial Injection Group 2 (2nr.)		0			22-Sep-18 A	22-Sep-18 A				100%	
08-1040-15(1)(	Trial Injection Group 3 (2nr.)		0			22-Sep-18 A	22-Sep-18 A				100%	
08-1040-16(1)(	Trial Injection Group 4 (2nr.)		1			26-Sep-18 A	26-Sep-18 A				100%	
08-1040-17(1)(	Trial Injection Group 5 (2nr.)		0			26-Sep-18 A	26-Sep-18 A				100%	
08-1040-18(1)(	Trial Injection Group 6 (2nr.)		1			28-Sep-18 A	28-Sep-18 A				100%	
08-1040-19(1)(	Trial Injection Group 7 (2nr.)		1			29-Sep-18 A	29-Sep-18 A				100%	
08-1040-20(1)(	Trial Injection Group 8 (2nr.)		1			30-Sep-18 A	30-Sep-18 A				100%	
08-1040-21(1)(	Trial Injection Group 9 (2nr.)		1			01-Oct-18 A	02-Oct-18 A				100%	
08-1040-22(1)(	Trial Injection Group 10 (2nr.)		0			02-Oct-18 A	02-Oct-18 A				100%	
08-1040-23(1)(	Coring for Proof Test - No. 1 & 2		3			07-Oct-18 A	09-Oct-18 A				100%	
08-1040-24(1)(	Coring for Proof Test - No. 3 & 4		4			15-Oct-18 A	18-Oct-18 A				100%	
08-1040-25(1)(	Coring for Proof Test - No. 5 & 6		5			18-Oct-18 A	22-Oct-18 A				100%	
08-1040-26(1)(	Coring for Proof Test - No. 7 & 8		4			22-Oct-18 A	25-Oct-18 A				100%	
08-1040-27(1)(	Coring for Proof Test - No. 9		3			27-Oct-18 A	29-Oct-18 A				100%	
08-1040-28(1)(	Coring for Proof Test - No. 10 & 11		5			03-Nov-18 A	08-Nov-18 A				100%	
08-1040-29(1)(	Coring for Proof Test - No. 12 & 13		6			08-Nov-18 A	14-Nov-18 A				100%	
08-1040-30(1)(	Coring for Proof Test - No. 14 & 15		4			16-Nov-18 A	20-Nov-18 A				100%	
08-1040-33(1)(	Laboratory Testing - No. 1 & 2		0			09-Oct-18 A	09-Oct-18 A				100%	
08-1040-34(1)(	Laboratory Testing - No. 3 & 4		1			20-Oct-18 A	20-Oct-18 A				100%	
08-1040-35(1)(	Laboratory Testing - No. 5 & 6		1			24-Oct-18 A	24-Oct-18 A				100%	
08-1040-36(1)(	Laboratory Testing - No. 7 & 8		1			25-Oct-18 A	25-Oct-18 A				100%	
08-1040-37(1)(	Laboratory Testing - No. 9		1			30-Oct-18 A	30-Oct-18 A				100%	
08-1040-38(1)(	Laboratory Testing - No. 10 & 11		0			08-Nov-18 A	08-Nov-18 A				100%	
08-1040-39(1)(	Laboratory Testing - No. 12 & 13		4			10-Nov-18 A	14-Nov-18 A				100%	
08-1040-40(1)(	Laboratory Testing - No. 14 & 15		0			21-Nov-18 A	21-Nov-18 A				100%	
08-1040-43(1)(	Issue Test Report		4			22-Nov-18 A	26-Nov-18 A				100%	
08-1040-44(3)(	Carry out CPT for Plant Trial retrial (10 nr. @2nr./day)		31			13-Feb-19 A	16-Mar-19 A				100%	
08-1040-45(3)(	Carry our Plant Trial for DCM Barges		3			19-Feb-19 A	19-Mar-19 A				100%	

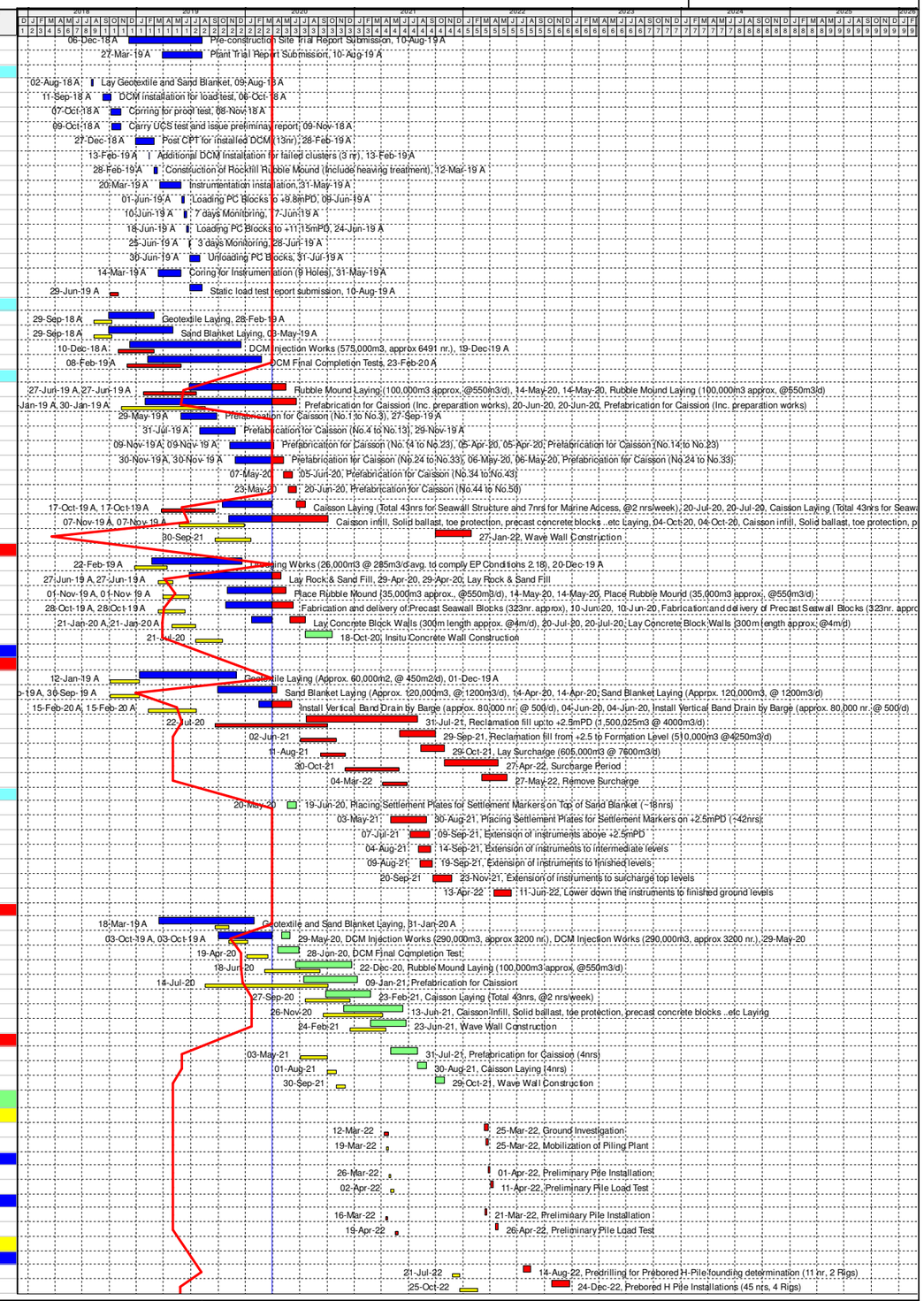


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
08-1040-46(3)(	Pre-construction Site Trial Report Submission		247			06-Dec-18 A	10-Aug-19 A				100%	
08-1040-47(3)(	Plant Trial Report Submission		136			27-Mar-19 A	10-Aug-19 A				100%	
EP_SP_66_12-WP-3-M28.08.1.1.1.3 DCM Static Load Test			373			02-Aug-18 A	10-Aug-19 A					
08-1050-01(1)(N	Lay Geotextile and Sand Blanket		7			02-Aug-18 A	09-Aug-18 A				100%	
08-1050-02(1)(N	DCM installation for load test		26			11-Sep-18 A	06-Oct-18 A				100%	
08-1050-03(1)(N	Corring for proof test		33			07-Oct-18 A	08-Nov-18 A				100%	
08-1050-04(1)(N	Carry UCS test and issue preliminay report		32			09-Oct-18 A	09-Nov-18 A				100%	
08-1050-04-1(3)	Post CPT for installed DCM (13nr)		24			27-Dec-18 A	28-Feb-19 A				100%	
08-1050-04-2(3)	Additional DCM Installation for failed clusters (3 nr)		0			13-Feb-19 A	13-Feb-19 A				100%	
08-1050-05(1)(N	Construction of Rockfill Rubble Mound (Include heaving treatment)		12			28-Feb-19 A	12-Mar-19 A				100%	
08-1050-06(1)(N	Instrumentation installation		72			20-Mar-19 A	31-May-19 A				100%	
08-1050-08(1)(N	Loading PC Blocks to +9.8mPD		8			01-Jun-19 A	09-Jun-19 A				100%	
08-1050-09(1)(N	7 days Monitoring		7			10-Jun-19 A	17-Jun-19 A				100%	
08-1050-10(1)(N	Loading PC Blocks to +11.15mPD		6			18-Jun-19 A	24-Jun-19 A				100%	
08-1050-11(1)(N	3 days Monitoring		3			25-Jun-19 A	28-Jun-19 A				100%	
08-1050-12(1)(N	Unloading PC Blocks		31			30-Jun-19 A	31-Jul-19 A				100%	
08-1050-13(1)(N	Coring for Instrumentation (9 Holes)		64			14-Mar-19 A	31-May-19 A				100%	
08-1065(2)	Static load test report submission		42			29-Jun-19 A	10-Aug-19 A				100%	
EP_SP_66_12-WP-3-M28.08.1.1.1.4 DCM Injection Works			512			29-Sep-18 A	23-Feb-20 A					
08-1070	Geotextile Laying		152			29-Sep-18 A	28-Feb-19 A				100%	
08-1075(2)	Sand Blanket Laying		216			29-Sep-18 A	03-May-19 A				100%	
08-1080	DCM Injection Works (575,000m3, approx 6491 nr.)		374			10-Dec-18 A	19-Dec-19 A				100%	
08-1090	DCM Final Completion Tests		380			08-Feb-19 A	23-Feb-20 A				100%	
EP_SP_66_12-WP-3-M28.08.1.1.1.5 Seawall Structural Works			1094	31-Mar-20	27-Jan-22	30-Jan-19 A	27-Jan-22	04-Nov-19	03-Jan-22	-25		
08-1100	Rubble Mound Laying (100,000m3 approx, @550m3/d)		323	31-Mar-20	14-May-20	27-Jun-19 A	14-May-20	26-Nov-19	10-Jan-20	-126	75.27%	
08-1105(1)	Prefabrication for Caission (Inc. preparation works)		508	31-Mar-20	20-Jun-20	30-Jan-19 A	20-Jun-20	04-Nov-19	25-Jan-20	-148	70.92%	
08-1105(2) (M22)	Prefabrication for Caisson (No.1 to No.3)		121			29-May-19 A	27-Sep-19 A				100%	
08-1105(3) (M22)	Prefabrication for Caisson (No.4 to No.13)		121			31-Jul-19 A	29-Nov-19 A				100%	
08-1105(4) (M22)	Prefabrication for Caisson (No.14 to No.23)		149	31-Mar-20	05-Apr-20	09-Nov-19 A	05-Apr-20	05-Dec-19	11-Dec-19	-117	80%	
08-1105(5) (M22)	Prefabrication for Caisson (No.24 to No.33)		159	31-Mar-20	06-May-20	30-Nov-19 A	06-May-20	04-Nov-19	11-Dec-19	-148	0%	
08-1105(6) (M22)	Prefabrication for Caisson (No.34 to No.43)		30	07-May-20	05-Jun-20	07-May-20	05-Jun-20	11-Dec-19	10-Jan-20	-148	0%	
08-1105(7) (M22)	Prefabrication for Caisson (No.44 to No.50)		29	23-May-20	20-Jun-20	23-May-20	20-Jun-20	27-Dec-19	25-Jan-20	-148	0%	
08-1110	Caisson Laying (Total 43nrs for Seawall Structure and 7nrs for Marine Access, @2 nrs/week)	Start On or After	278	21-Jun-20	20-Jul-20	17-Oct-19 A	20-Jul-20	25-Jan-20	24-Feb-20	-148	18%	
08-1115(3)	Caisson infill, Solid ballast, toe protection, precast concrete blocks ..etc Laying		333	31-Mar-20	04-Oct-20	07-Nov-19 A	04-Oct-20	25-Feb-20	31-Aug-20	-35	24.8%	
08-1120	Wave Wall Construction		120	30-Sep-21	27-Jan-22	30-Sep-21	27-Jan-22	05-Sep-21	03-Jan-22	-25	0%	
EP_SP_66_12-WP-3-M28.08.1.1.2 Seawall at Dredging Area			605	31-Mar-20	18-Oct-20	22-Feb-19 A	18-Oct-20	11-Dec-19	03-Jan-22	441		
08-1130	Dredging Works (26,000m3 @ 285m3/d avg. to comply EP Conditions 2.18)		301			22-Feb-19 A	20-Dec-19 A				100%	
08-1140	Lay Rock & Sand Fill		308	31-Mar-20	29-Apr-20	27-Jun-19 A	29-Apr-20	26-Dec-19	25-Jan-20	-96	80%	
08-1150	Place Rubble Mound (35,000m3 approx., @550m3/d)	Start On or After	196	31-Mar-20	14-May-20	01-Nov-19 A	14-May-20	11-Dec-19	25-Jan-20	-111	70%	
08-1155(2)	Fabrication and delivery of Precast Seawall Blocks (323nr. approx)	Start On or After	227	31-Mar-20	10-Jun-20	28-Oct-19 A	10-Jun-20	14-Dec-19	24-Feb-20	-108	85%	
08-1160	Lay Concrete Block Walls (300m length approx. @4m/d)		182	28-May-20	20-Jul-20	21-Jan-20 A	20-Jul-20	01-Jan-20	24-Feb-20	-148	10%	
08-1170	Insitu Concrete Wall Construction		90	21-Jul-20	18-Oct-20	21-Jul-20	18-Oct-20	05-Oct-21	03-Jan-22	441	0%	
EP_SP_66_12-WP-3-M28.08.1.2 Phase II - Reclamation, Breakwater and Berth Construction			1247	31-Mar-20	11-Jun-22	12-Jan-19 A	11-Jun-22	21-Dec-19	02-Jan-23	204		
EP_SP_66_12-WP-3-M28.08.1.2.1 Reclamation			1247	31-Mar-20	11-Jun-22	12-Jan-19 A	11-Jun-22	21-Dec-19	06-Jun-22	-6		
08-1180	Geotextile Laying (Approx. 60,000m2, @ 450m2/d)		323			12-Jan-19 A	01-Dec-19 A				100%	
08-1185(2)	Sand Blanket Laying (Approx. 120,000m3, @ 1200m3/d)		198	31-Mar-20	14-Apr-20	30-Sep-19 A	14-Apr-20	10-Feb-20	25-Feb-20	-50	85%	
08-1190	Install Vertical Band Drain by Barge (approx. 80,000 nr. @ 500/d)	Start On or After	111	31-Mar-20	04-Jun-20	15-Feb-20 A	04-Jun-20	21-Dec-19	25-Feb-20	-101	12.5%	
08-1200	Reclamation fill up to +2.5mPD (1,500,025m3 @ 4000m3/d)		375	22-Jul-20	31-Jul-21	22-Jul-20	31-Jul-21	25-Feb-20	06-Mar-21	-148	0%	
08-1210	Reclamation fill from +2.5 to Formation Level (510,000m3 @4250m3/d)		120	02-Jun-21	29-Sep-21	02-Jun-21	29-Sep-21	05-Jan-21	05-May-21	-148	0%	
08-1220	Lay Surcharge (605,000m3 @ 7600m3/d)		80	11-Aug-21	29-Oct-21	11-Aug-21	29-Oct-21	16-Mar-21	04-Jun-21	-148	0%	
08-1230	Surcharge Period		180	30-Oct-21	27-Apr-22	30-Oct-21	27-Apr-22	04-Jun-21	01-Dec-21	-148	0%	
08-1240	Remove Surcharge		85	04-Mar-22	27-May-22	04-Mar-22	27-May-22	07-Oct-21	31-Dec-21	-148	0%	
EP_SP_66_12-WP-3-M28.08.1.2.1.1 Instrumentation			752	20-May-20	11-Jun-22	20-May-20	11-Jun-22	06-Nov-20	06-Jun-22	-6		
08-1330 (M23)	Placing Settlement Plates for Settlement Markers on Top of Sand Blanket (~18nrs)		30	20-May-20	19-Jun-20	20-May-20	19-Jun-20	06-Nov-20	06-Dec-20	169	0%	
08-1340 (M23)	Placing Settlement Plates for Settlement Markers on +2.5mPD (~42nrs)		120	03-May-21	30-Aug-21	03-May-21	30-Aug-21	06-Dec-20	05-Apr-21	-148	0%	
08-1350 (M23)	Extension of instruments above +2.5mPD		65	07-Jul-21	09-Sep-21	07-Jul-21	09-Sep-21	21-Mar-21	25-May-21	-108	0%	
08-1360 (M23)	Extension of instruments to intermediate levels		42	04-Aug-21	14-Sep-21	04-Aug-21	14-Sep-21	18-Apr-21	30-May-21	-108	0%	
08-1370 (M23)	Extension of instruments to finished levels		42	09-Aug-21	19-Sep-21	09-Aug-21	19-Sep-21	23-Apr-21	04-Jun-21	-108	0%	
08-1375 (M23)	Extension of instruments to surcharge top levels		65	20-Sep-21	23-Nov-21	20-Sep-21	23-Nov-21	03-Aug-21	07-Oct-21	-48	0%	
08-1380 (M23)	Lower down the instruments to finished ground levels		60	13-Apr-22	11-Jun-22	13-Apr-22	11-Jun-22	07-Apr-22	06-Jun-22	-6	0%	
EP_SP_66_12-WP-3-M28.08.1.2.2 Breakwater			829	19-Apr-20	23-Jun-21	18-Mar-19 A	23-Jun-21	30-Nov-21	02-Jan-23	557		
08-1250	Geotextile and Sand Blanket Laying		319			18-Mar-19 A	31-Jan-20 A				100%	
08-1260	DCM Injection Works (290,000m3, approx 3200 nr.)		240	02-May-20	29-May-20	03-Oct-19 A	29-May-20	30-Nov-21	27-Dec-21	577	57%	
08-1270	DCM Final Completion Test		71	19-Apr-20	28-Jun-20	19-Apr-20	28-Jun-20	30-Nov-21	09-Feb-22	590	0%	
08-1280	Rubble Mound Laying (100,000m3 approx, @550m3/d)		188	18-Jun-20	22-Dec-20	18-Jun-20	22-Dec-20	29-Jan-22	05-Aug-22	590	0%	
08-1285(1)	Prefabrication for Caission		180	14-Jul-20	09-Jan-21	14-Jul-20	09-Jan-21	22-Jan-22	21-Jul-22	557	0%	
08-1290	Caisson Laying (Total 43nrs, @2 nrs/week)		150	27-Sep-20	23-Feb-21	27-Sep-20	23-Feb-21	07-Apr-22	04-Sep-22	557	0%	
08-1295(3)	Caisson Infill, Solid ballast, toe protection, precast concrete blocks ..etc Laying		200	26-Nov-20	13-Jun-21	26-Nov-20	13-Jun-21	16-Jun-22	02-Jan-23	567	0%	
08-1300	Wave Wall Construction		120	24-Feb-21	23-Jun-21	24-Feb-21	23-Jun-21	04-Sep-22	02-Jan-23	557	0%	
EP_SP_66_12-WP-3-M28.08.1.2.3 Seawall and Berth at Marine Access			180	03-May-21	29-Oct-21	03-May-21	29-Oct-21	06-Aug-21	03-Jan-22	65		
08-1310(2)	Prefabrication for Caission (4nrs)	As Late As Possible	90	03-May-21	31-Jul-21	03-May-21	31-Jul-21	06-Aug-21	04-Nov-21	95	0%	
08-1320(2)	Caisson Laying (4nrs)		30	01-Aug-21	30-Aug-21	01-Aug-21	30-Aug-21	04-Nov-21	04-Dec-21	95	0%	
08-1330(2)	Wave Wall Construction		30	30-Sep-21	29-Oct-21	30-Sep-21	29-Oct-21	04-Dec-21	03-Jan-22	65	0%	
EP_SP_66_12-WP-3-M28.09 Foundation Works			397	12-Mar-22	12-Apr-23	12-Mar-22	12-Apr-23	15-Oct-21	06-Mar-23	-38		
EP_SP_66_12-WP-3-M28.09.0 Site Investigation and Preliminary Pile			46	12-Mar-22	26-Apr-22	12-Mar-22	26-Apr-22	15-Oct-21	30-Nov-21	-148		
09-1000	Ground Investigation		14	12-Mar-22	25-Mar-22	12-Mar-22	25-Mar-22	15-Oct-21	29-Oct-21	-148	0%	
09-1010	Mobilization of Piling Plant		7	19-Mar-22	25-Mar-22	19-Mar-22	25-Mar-22	02-Nov-21	09-Nov-21	-137	0%	
EP_SP_66_12-WP-3-M28.09.0.13 Preliminary Percussive H Pile			17	26-Mar-22	11-Apr-22	26-Mar-22	11-Apr-22	09-Nov-21	26-Nov-21	-137		
09-1020	Preliminary Pile Installation		7	26-Mar-22	01-Apr-22	26-Mar-22	01-Apr-22	09-Nov-21	16-Nov-21	-137	0%	
09-1030	Preliminary Pile Load Test		10	02-Apr-22	11-Apr-22	02-Apr-22	11-Apr-22	16-Nov-21	26-Nov-21	-137	0%	
EP_SP_66_12-WP-3-M28.09.0.2 Preliminary Socket H Pile			42	16-Mar-22	26-Apr-22	16-Mar-22	26-Apr-22	19-Oct-21	30-Nov-21	-148		
09-1040	Preliminary Pile Installation		6	16-Mar-22	21-Mar-22	16-Mar-22	21-Mar-22	19-Oct-21	25-Oct-21	-148	0%	
09-1050	Preliminary Pile Load Test		8	19-Apr-22	26-Apr-22	19-Apr-22	26-Apr-22	22-Nov-21	30-Nov-21	-148	0%	
EP_SP_66_12-WP-3-M28.09.1 Administration Bld Foundation			209	21-Jul-22	14-Feb-23	21-Jul-22	14-Feb-23	06-Jun-22	22-Oct-22	-116		
EP_SP_66_12-WP-3-M28.09.1.1 Piling Works (Socket H-pile)			165	21-Jul-22	01-Jan-23	21-Jul-22	01-Jan-23	06-Jun-22	08-Sep-22	-116		
09-1060	Predrilling for Prebored H-Pile founding determination (11 nr, 2 Rigs)		25	21-Jul-22	14-Aug-22	21-Jul-22	14-Aug-22	06-Jun-22	01-Jul-22	-45	0%	
09-1070	Prebored H Pile Installations (45 nrs, 4 Rigs)		61	25-Oct-22	24-Dec-22	25-Oct-22	24-Dec-22	01-Jul-22	31-Aug-22	-116	0%	

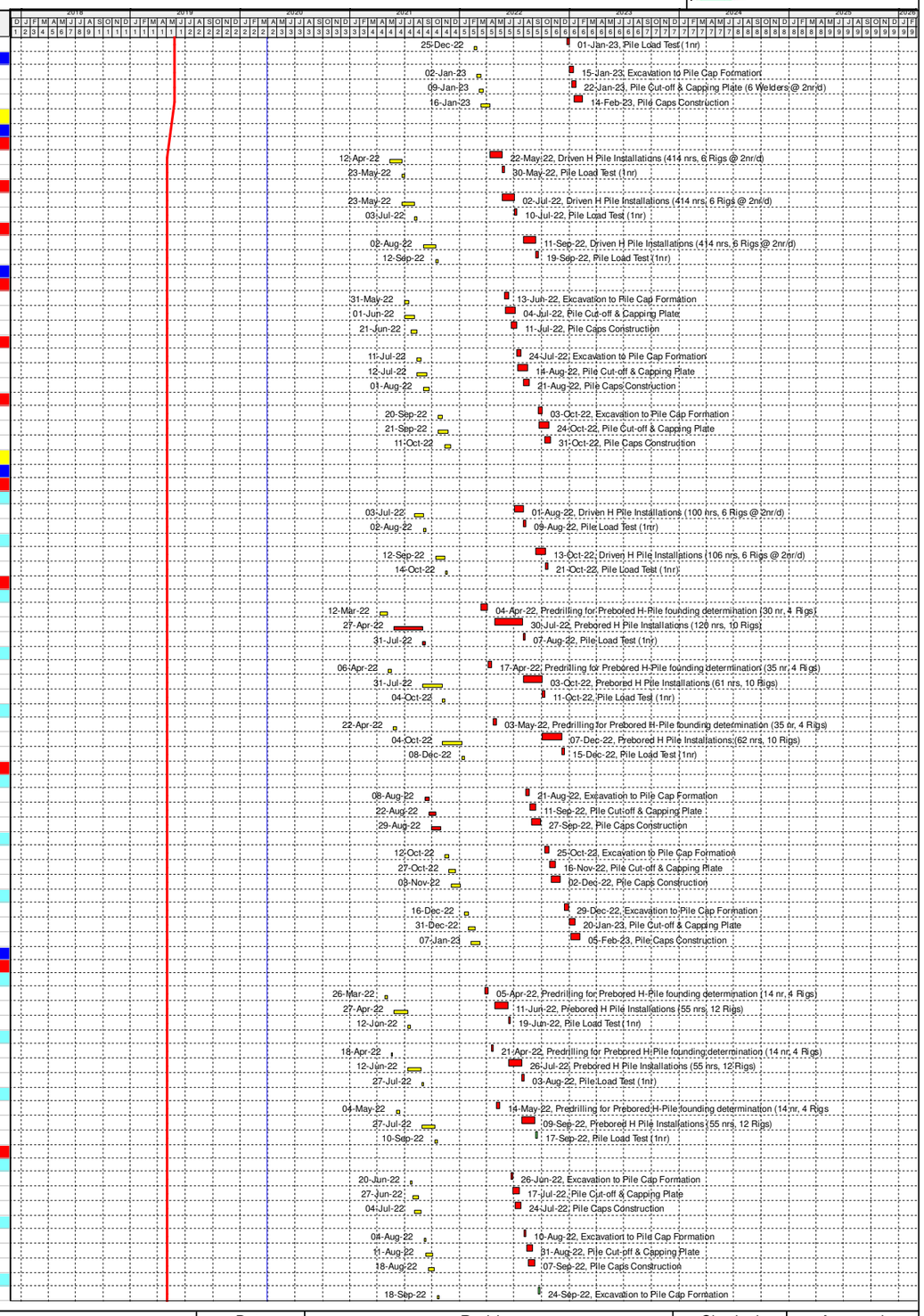


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

- Primary Baseline
- WP3 BL Critical Works
- Remaining Work
- Actual Work
- Critical Remaining Work
- Baseline Milestone
- WP3 BL Critical Milestone
- Milestone
- Actual Milestone
- Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
09-1080	Pile Load Test (1nr)		8	25-Dec-22	01-Jan-23	25-Dec-22	01-Jan-23	31-Aug-22	08-Sep-22	-116	0%	
EP_SP_66_12-WP-3-M28.09.1.2 Pile Caps Construction			44	02-Jan-23	14-Feb-23	02-Jan-23	14-Feb-23	08-Sep-22	22-Oct-22	-116		
09-1090	Excavation to Pile Cap Formation		14	02-Jan-23	15-Jan-23	02-Jan-23	15-Jan-23	08-Sep-22	22-Sep-22	-116	0%	
09-1100	Pile Cut-off & Capping Plate (6 Welders @ 2nr/d)		14	09-Jan-23	22-Jan-23	09-Jan-23	22-Jan-23	15-Sep-22	29-Sep-22	-116	0%	
09-1110	Pile Caps Construction		30	16-Jan-23	14-Feb-23	16-Jan-23	14-Feb-23	22-Sep-22	22-Oct-22	-116	0%	
EP_SP_66_12-WP-3-M28.09.2 Waste Bunker & Tipping Hall Bld Foundation			203	12-Apr-22	31-Oct-22	12-Apr-22	31-Oct-22	27-Dec-21	06-Sep-22	-56		
EP_SP_66_12-WP-3-M28.09.2.4 Piling Works (Driven H-pile)			161	12-Apr-22	19-Sep-22	12-Apr-22	19-Sep-22	27-Dec-21	26-Jul-22	-56		
EP_SP_66_12-WP-3-M28.09.2.4.1 Piling Stage 1 (Module 1)			49	12-Apr-22	30-May-22	12-Apr-22	30-May-22	27-Dec-21	14-Feb-22	-106		
09-1120	Driven H Pile Installations (414 nrs, 6 Rigs @ 2nr/d)		41	12-Apr-22	22-May-22	12-Apr-22	22-May-22	27-Dec-21	06-Feb-22	-106	0%	
09-1130	Pile Load Test (1nr)		8	23-May-22	30-May-22	23-May-22	30-May-22	06-Feb-22	14-Feb-22	-106	0%	
EP_SP_66_12-WP-3-M28.09.2.4.2 Piling Stage 2 (Module 2)			49	23-May-22	10-Jul-22	23-May-22	10-Jul-22	17-Mar-22	05-May-22	-67		
09-1140	Driven H Pile Installations (414 nrs, 6 Rigs @ 2nr/d)		41	23-May-22	02-Jul-22	23-May-22	02-Jul-22	17-Mar-22	27-Apr-22	-67	0%	
09-1150	Pile Load Test (1nr)		8	03-Jul-22	10-Jul-22	03-Jul-22	10-Jul-22	27-Apr-22	05-May-22	-67	0%	
EP_SP_66_12-WP-3-M28.09.2.4.3 Piling Stage 3 (Module 3			49	02-Aug-22	19-Sep-22	02-Aug-22	19-Sep-22	07-Jun-22	26-Jul-22	-56		
09-1160	Driven H Pile Installations (414 nrs, 6 Rigs @ 2nr/d)		41	02-Aug-22	11-Sep-22	02-Aug-22	11-Sep-22	07-Jun-22	18-Jul-22	-56	0%	
09-1170	Pile Load Test (1nr)		8	12-Sep-22	19-Sep-22	12-Sep-22	19-Sep-22	18-Jul-22	26-Jul-22	-56	0%	
EP_SP_66_12-WP-3-M28.09.2.5 Pile Cap Construction			154	31-May-22	31-Oct-22	31-May-22	31-Oct-22	14-Feb-22	06-Sep-22	-56		
EP_SP_66_12-WP-3-M28.09.2.5.1 Pile Cap Stage 1 (Module 1)			42	31-May-22	11-Jul-22	31-May-22	11-Jul-22	14-Feb-22	28-Mar-22	-106		
09-1180	Excavation to Pile Cap Formation		14	31-May-22	13-Jun-22	31-May-22	13-Jun-22	14-Feb-22	28-Feb-22	-106	0%	
09-1190	Pile Cut-off & Capping Plate		34	01-Jun-22	04-Jul-22	01-Jun-22	04-Jul-22	15-Feb-22	21-Mar-22	-106	0%	
09-1200	Pile Caps Construction		21	21-Jun-22	11-Jul-22	21-Jun-22	11-Jul-22	07-Mar-22	28-Mar-22	-106	0%	
EP_SP_66_12-WP-3-M28.09.2.5.2 Pile Cap Stage 2 (Module 2)			42	11-Jul-22	21-Aug-22	11-Jul-22	21-Aug-22	05-May-22	16-Jun-22	-67		
09-1210	Excavation to Pile Cap Formation		14	11-Jul-22	24-Jul-22	11-Jul-22	24-Jul-22	05-May-22	19-May-22	-67	0%	
09-1220	Pile Cut-off & Capping Plate		34	12-Jul-22	14-Aug-22	12-Jul-22	14-Aug-22	06-May-22	09-Jun-22	-67	0%	
09-1230	Pile Caps Construction		21	01-Aug-22	21-Aug-22	01-Aug-22	21-Aug-22	26-May-22	16-Jun-22	-67	0%	
EP_SP_66_12-WP-3-M28.09.2.5.3 Pile Cap Stage 3 (Module 3)			42	20-Sep-22	31-Oct-22	20-Sep-22	31-Oct-22	26-Jul-22	06-Sep-22	-56		
09-1240	Excavation to Pile Cap Formation		14	20-Sep-22	03-Oct-22	20-Sep-22	03-Oct-22	26-Jul-22	09-Aug-22	-56	0%	
09-1250	Pile Cut-off & Capping Plate		34	21-Sep-22	24-Oct-22	21-Sep-22	24-Oct-22	27-Jul-22	30-Aug-22	-56	0%	
09-1260	Pile Caps Construction		21	11-Oct-22	31-Oct-22	11-Oct-22	31-Oct-22	16-Aug-22	06-Sep-22	-56	0%	
EP_SP_66_12-WP-3-M28.09.3 Boiler & Flue Gas Bld Foundation			331	12-Mar-22	05-Feb-23	12-Mar-22	05-Feb-23	06-Nov-21	24-Oct-22	-105		
EP_SP_66_12-WP-3-M28.09.3.1 Boiler Building Foundation			331	12-Mar-22	05-Feb-23	12-Mar-22	05-Feb-23	06-Nov-21	24-Oct-22	-105		
EP_SP_66_12-WP-3-M28.09.3.1.1 Piling Works (Driven H-pile)			111	03-Jul-22	21-Oct-22	03-Jul-22	21-Oct-22	30-Apr-22	02-Sep-22	-50		
EP_SP_66_12-WP-3-M28.09.3.1.1.1 Piling Stage 2 (Module 2)			38	03-Jul-22	09-Aug-22	03-Jul-22	09-Aug-22	30-Apr-22	07-Jun-22	-64		
09-1270	Driven H Pile Installations (100 nrs, 6 Rigs @ 2nr/d)		30	03-Jul-22	01-Aug-22	03-Jul-22	01-Aug-22	30-Apr-22	30-May-22	-64	0%	
09-1280	Pile Load Test (1nr)		8	02-Aug-22	09-Aug-22	02-Aug-22	09-Aug-22	30-May-22	07-Jun-22	-64	0%	
EP_SP_66_12-WP-3-M28.09.3.1.1.2 Piling Stage 3 (Module 3)			40	12-Sep-22	21-Oct-22	12-Sep-22	21-Oct-22	24-Jul-22	02-Sep-22	-50		
09-1290	Driven H Pile Installations (106 nrs, 6 Rigs @ 2nr/d)		32	12-Sep-22	13-Oct-22	12-Sep-22	13-Oct-22	24-Jul-22	25-Aug-22	-50	0%	
09-1300	Pile Load Test (1nr)		8	14-Oct-22	21-Oct-22	14-Oct-22	21-Oct-22	25-Aug-22	02-Sep-22	-50	0%	
EP_SP_66_12-WP-3-M28.09.3.1.2 Piling Works (Socket H-pile)			279	12-Mar-22	15-Dec-22	12-Mar-22	15-Dec-22	06-Nov-21	02-Sep-22	-105		
EP_SP_66_12-WP-3-M28.09.3.1.2.1 Piling Stage 1 (Module 1)			149	12-Mar-22	07-Aug-22	12-Mar-22	07-Aug-22	06-Nov-21	13-Mar-22	-148		
09-1310	Predrilling for Prebored H-Pile founding determination (30 nr, 4 Rigs)		24	12-Mar-22	04-Apr-22	12-Mar-22	04-Apr-22	06-Nov-21	30-Nov-21	-126	0%	
09-1320	Prebored H Pile Installations (120 nrs, 10 Rigs)		95	27-Apr-22	30-Jul-22	27-Apr-22	30-Jul-22	30-Nov-21	05-Mar-22	-148	0%	
09-1330	Pile Load Test (1nr)		8	31-Jul-22	07-Aug-22	31-Jul-22	07-Aug-22	05-Mar-22	13-Mar-22	-148	0%	
EP_SP_66_12-WP-3-M28.09.3.1.2.2 Piling Stage 2 (Module 2)			189	06-Apr-22	11-Oct-22	06-Apr-22	11-Oct-22	31-Jan-22	07-Jun-22	-127		
09-1340	Predrilling for Prebored H-Pile founding determination (35 nr, 4 Rigs)		12	06-Apr-22	17-Apr-22	06-Apr-22	17-Apr-22	31-Jan-22	12-Feb-22	-65	0%	
09-1350	Prebored H Pile Installations (61 nrs, 10 Rigs)		65	31-Jul-22	03-Oct-22	31-Jul-22	03-Oct-22	26-Mar-22	30-May-22	-127	0%	
09-1360	Pile Load Test (1nr)		8	04-Oct-22	11-Oct-22	04-Oct-22	11-Oct-22	30-May-22	07-Jun-22	-127	0%	
EP_SP_66_12-WP-3-M28.09.3.1.2.3 Piling Stage 3 (Module 3)			238	22-Apr-22	15-Dec-22	22-Apr-22	15-Dec-22	25-Feb-22	02-Sep-22	-105		
09-1370	Predrilling for Prebored H-Pile founding determination (35 nr, 4 Rigs)		12	22-Apr-22	03-May-22	22-Apr-22	03-May-22	25-Feb-22	09-Mar-22	-56	0%	
09-1380	Prebored H Pile Installations (62 nrs, 10 Rigs)		65	04-Oct-22	07-Dec-22	04-Oct-22	07-Dec-22	21-Jun-22	25-Aug-22	-105	0%	
09-1390	Pile Load Test (1nr)		8	08-Dec-22	15-Dec-22	08-Dec-22	15-Dec-22	25-Aug-22	02-Sep-22	-105	0%	
EP_SP_66_12-WP-3-M28.09.3.1.9 Pile Caps Construction			182	08-Aug-22	05-Feb-23	08-Aug-22	05-Feb-23	13-Mar-22	24-Oct-22	-105		
EP_SP_66_12-WP-3-M28.09.3.1.9.1 Pile Cap Stage 1 (Module 1)			51	08-Aug-22	27-Sep-22	08-Aug-22	27-Sep-22	13-Mar-22	03-May-22	-148		
09-1400	Excavation to Pile Cap Formation		14	08-Aug-22	21-Aug-22	08-Aug-22	21-Aug-22	13-Mar-22	27-Mar-22	-148	0%	
09-1410	Pile Cut-off & Capping Plate		21	22-Aug-22	11-Sep-22	22-Aug-22	11-Sep-22	27-Mar-22	17-Apr-22	-148	0%	
09-1420	Pile Caps Construction		30	29-Aug-22	27-Sep-22	29-Aug-22	27-Sep-22	03-Apr-22	03-May-22	-148	0%	
EP_SP_66_12-WP-3-M28.09.3.1.9.2 Pile Cap Stage 2 (Module 2)			52	12-Oct-22	02-Dec-22	12-Oct-22	02-Dec-22	07-Jun-22	29-Jul-22	-127		
09-1430	Excavation to Pile Cap Formation		14	12-Oct-22	25-Oct-22	12-Oct-22	25-Oct-22	07-Jun-22	21-Jun-22	-127	0%	
09-1440	Pile Cut-off & Capping Plate		21	27-Oct-22	16-Nov-22	27-Oct-22	16-Nov-22	22-Jun-22	13-Jul-22	-127	0%	
09-1450	Pile Caps Construction		30	03-Nov-22	02-Dec-22	03-Nov-22	02-Dec-22	29-Jun-22	29-Jul-22	-127	0%	
EP_SP_66_12-WP-3-M28.09.3.1.9.3 Pile Cap Stage 3 (Module 3)			52	16-Dec-22	05-Feb-23	16-Dec-22	05-Feb-23	02-Sep-22	24-Oct-22	-105		
09-1460	Excavation to Pile Cap Formation		14	16-Dec-22	29-Dec-22	16-Dec-22	29-Dec-22	02-Sep-22	16-Sep-22	-105	0%	
09-1470	Pile Cut-off & Capping Plate		21	31-Dec-22	20-Jan-23	31-Dec-22	20-Jan-23	17-Sep-22	08-Oct-22	-105	0%	
09-1480	Pile Caps Construction		30	07-Jan-23	05-Feb-23	07-Jan-23	05-Feb-23	24-Sep-22	24-Oct-22	-105	0%	
EP_SP_66_12-WP-3-M28.09.3.2 Flue Gas Treatment Building Foundation			211	26-Mar-22	22-Oct-22	26-Mar-22	22-Oct-22	21-Dec-21	24-Oct-22	1		
EP_SP_66_12-WP-3-M28.09.3.2.4 Prebored H-pile			176	26-Mar-22	17-Sep-22	26-Mar-22	17-Sep-22	21-Dec-21	19-Sep-22	1		
EP_SP_66_12-WP-3-M28.09.3.2.4.1 Piling Stage 1 (Module 1)			86	26-Mar-22	19-Jun-22	26-Mar-22	19-Jun-22	21-Dec-21	29-Mar-22	-83		
09-1490	Predrilling for Prebored H-Pile founding determination (14 nr, 4 Rigs)		11	26-Mar-22	05-Apr-22	26-Mar-22	05-Apr-22	21-Dec-21	01-Jan-22	-95	0%	
09-1500	Prebored H Pile Installations (55 nrs, 12 Rigs)		46	27-Apr-22	11-Jun-22	27-Apr-22	11-Jun-22	01-Jan-22	16-Feb-22	-116	0%	
09-1510	Pile Load Test (1nr)		8	12-Jun-22	19-Jun-22	12-Jun-22	19-Jun-22	21-Mar-22	29-Mar-22	-83	0%	
EP_SP_66_12-WP-3-M28.09.3.2.4.2 Piling Stage 2 (Module 2)			108	18-Apr-22	03-Aug-22	18-Apr-22	03-Aug-22	12-Feb-22	24-Jun-22	-41		
09-1520	Predrilling for Prebored H-Pile founding determination (14 nr, 4 Rigs)		4	18-Apr-22	21-Apr-22	18-Apr-22	21-Apr-22	12-Feb-22	16-Feb-22	-65	0%	
09-1530	Prebored H Pile Installations (55 nrs, 12 Rigs)		45	12-Jun-22	26-Jul-22	12-Jun-22	26-Jul-22	16-Feb-22	02-Apr-22	-116	0%	
09-1540	Pile Load Test (1nr)		8	27-Jul-22	03-Aug-22	27-Jul-22	03-Aug-22	16-Jun-22	24-Jun-22	-41	0%	
EP_SP_66_12-WP-3-M28.09.3.2.4.3 Piling Stage 3 (Module 3)			137	04-May-22	17-Sep-22	04-May-22	17-Sep-22	09-Mar-22	19-Sep-22	1		
09-1550	Predrilling for Prebored H-Pile founding determination (14 nr, 4 Rigs		11	04-May-22	14-May-22	04-May-22	14-May-22	09-Mar-22	20-Mar-22	-56	0%	
09-1560	Prebored H Pile Installations (55 nrs, 12 Rigs)		45	27-Jul-22	09-Sep-22	27-Jul-22	09-Sep-22	02-Apr-22	17-May-22	-116	0%	
09-1570	Pile Load Test (1nr)		8	10-Sep-22	17-Sep-22	10-Sep-22	17-Sep-22	11-Sep-22	19-Sep-22	1	0%	
EP_SP_66_12-WP-3-M28.09.3.2.5 Pile Caps Construction			125	20-Jun-22	22-Oct-22	20-Jun-22	22-Oct-22	29-Mar-22	24-Oct-22	1		
EP_SP_66_12-WP-3-M28.09.3.2.5.1 Pile Cap Stage 1 (Module 1)			35	20-Jun-22	24-Jul-22	20-Jun-22	24-Jul-22	29-Mar-22	03-May-22	-83		
09-1580	Excavation to Pile Cap Formation		7	20-Jun-22	26-Jun-22	20-Jun-22	26-Jun-22	29-Mar-22	05-Apr-22	-83	0%	
09-1590	Pile Cut-off & Capping Plate		21	27-Jun-22	17-Jul-22	27-Jun-22	17-Jul-22	05-Apr-22	26-Apr-22	-83	0%	
09-1600	Pile Caps Construction		21	04-Jul-22	24-Jul-22	04-Jul-22	24-Jul-22	12-Apr-22	03-May-22	-83	0%	
EP_SP_66_12-WP-3-M28.09.3.2.5.2 Pile Cap Stage 2 (Module 2)			35	04-Aug-22	07-Sep-22	04-Aug-22	07-Sep-22	24-Jun-22	29-Jul-22	-41		
09-1610	Excavation to Pile Cap Formation		7	04-Aug-22	10-Aug-22	04-Aug-22	10-Aug-22	24-Jun-22	01-Jul-22	-41	0%	
09-1620	Pile Cut-off & Capping Plate		21	11-Aug-22	31-Aug-22	11-Aug-22	31-Aug-22	01-Jul-22	22-Jul-22	-41	0%	
09-1630	Pile Caps Construction		21	18-Aug-22	07-Sep-22	18-Aug-22	07-Sep-22	08-Jul-22	29-Jul-22	-41	0%	
EP_SP_66_12-WP-3-M28.09.3.2.5.3 Pile Cap Stage 3 (Module 3)			35	18-Sep-22	22-Oct-22	18-Sep-22	22-Oct-22	19-Sep-22	24-Oct-22	1		
09-1640	Excavation to Pile Cap Formation		7	18-Sep-22	24-Sep-22	18-Sep-22	24-Sep-22	19-Sep-22	26-Sep-22	1	0%	

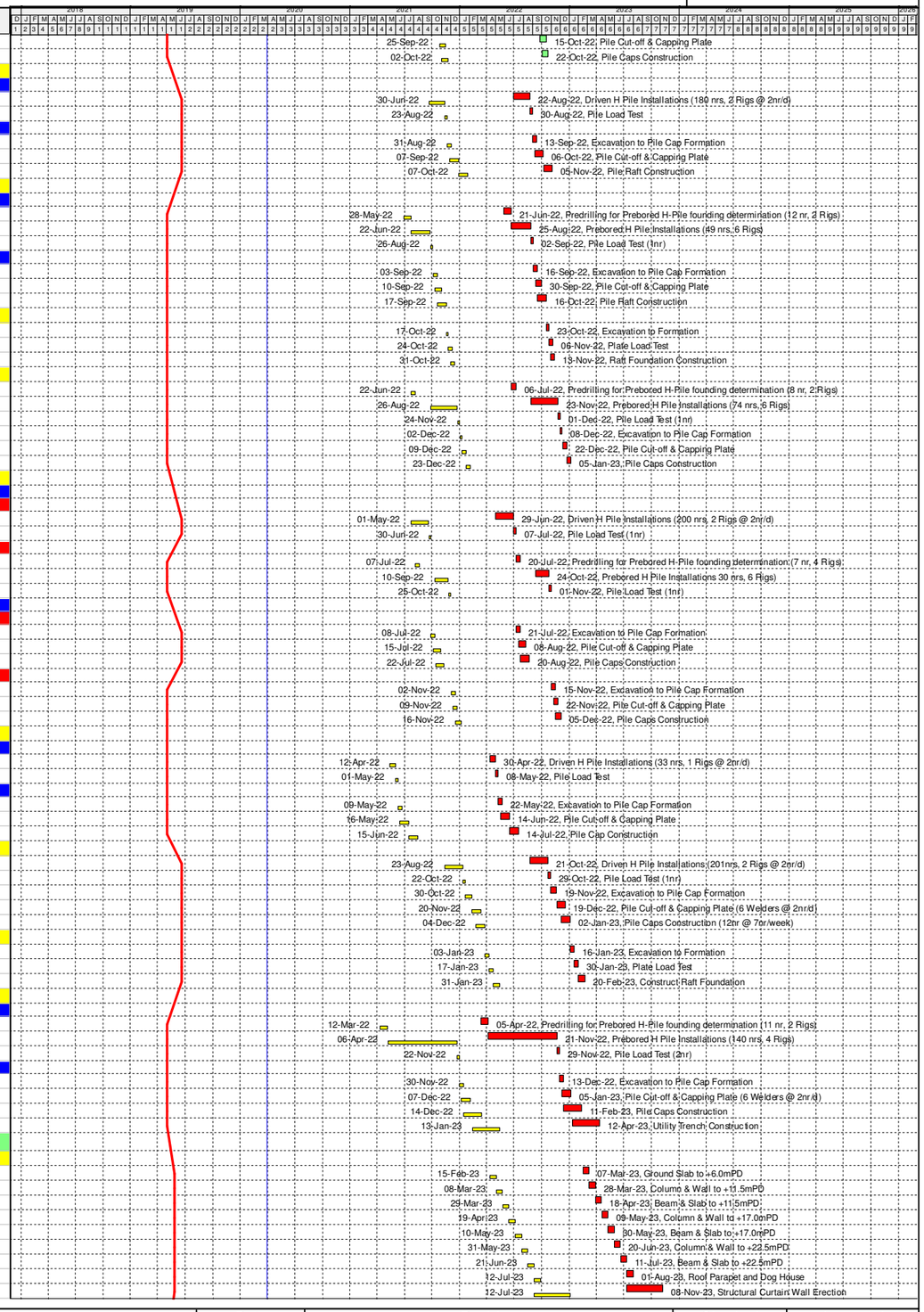


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
09-1650	Pile Cut-off & Capping Plate		21	25-Sep-22	15-Oct-22	25-Sep-22	15-Oct-22	26-Sep-22	17-Oct-22	1	0%	
09-1660	Pile Caps Construction		21	02-Oct-22	22-Oct-22	02-Oct-22	22-Oct-22	03-Oct-22	24-Oct-22	1	0%	
EP_SP_66_12-WP-3-M28.09.4 ACC Area Foundation			129	30-Jun-22	05-Nov-22	30-Jun-22	05-Nov-22	08-Apr-22	15-Aug-22	-83		
EP_SP_66_12-WP-3-M28.09.4.1 Piling Works (Driven H-pile)			62	30-Jun-22	30-Aug-22	30-Jun-22	30-Aug-22	08-Apr-22	09-Jun-22	-83		
09-1670	Driven H Pile Installations (180 nrs, 2 Rigs @ 2nr/d)		54	30-Jun-22	22-Aug-22	30-Jun-22	22-Aug-22	08-Apr-22	01-Jun-22	-83	0%	
09-1680	Pile Load Test		8	23-Aug-22	30-Aug-22	23-Aug-22	30-Aug-22	01-Jun-22	09-Jun-22	-83	0%	
EP_SP_66_12-WP-3-M28.09.4.2 Pile Cap Construction			67	31-Aug-22	05-Nov-22	31-Aug-22	05-Nov-22	09-Jun-22	15-Aug-22	-83		
09-1690	Excavation to Pile Cap Formation		14	31-Aug-22	13-Sep-22	31-Aug-22	13-Sep-22	09-Jun-22	23-Jun-22	-83	0%	
09-1700	Pile Cut-off & Capping Plate		30	07-Sep-22	06-Oct-22	07-Sep-22	06-Oct-22	16-Jun-22	16-Jul-22	-83	0%	
09-1710	Pile Raft Construction		30	07-Oct-22	05-Nov-22	07-Oct-22	05-Nov-22	16-Jul-22	15-Aug-22	-83	0%	
EP_SP_66_12-WP-3-M28.09.5 Turbine Hall Bld Foundation			142	28-May-22	16-Oct-22	28-May-22	16-Oct-22	04-Jan-22	18-Jul-22	-91		
EP_SP_66_12-WP-3-M28.09.5.1 Piling Works (Socket H-pile)			98	28-May-22	02-Sep-22	28-May-22	02-Sep-22	04-Jan-22	04-Jun-22	-91		
09-1720	Predrilling for Prebored H-Pile founding determination (12 nr, 2 Rigs)		25	28-May-22	21-Jun-22	28-May-22	21-Jun-22	04-Jan-22	29-Jan-22	-144	0%	
09-1730	Prebored H Pile Installations (49 nrs, 6 Rigs)		65	22-Jun-22	25-Aug-22	22-Jun-22	25-Aug-22	29-Jan-22	04-Apr-22	-144	0%	
09-1740	Pile Load Test (1nr)		8	26-Aug-22	02-Sep-22	26-Aug-22	02-Sep-22	27-May-22	04-Jun-22	-91	0%	
EP_SP_66_12-WP-3-M28.09.5.2 Pile Caps Construction			44	03-Sep-22	16-Oct-22	03-Sep-22	16-Oct-22	04-Jun-22	18-Jul-22	-91		
09-1750	Excavation to Pile Cap Formation		14	03-Sep-22	16-Sep-22	03-Sep-22	16-Sep-22	04-Jun-22	18-Jun-22	-91	0%	
09-1760	Pile Cut-off & Capping Plate		21	10-Sep-22	30-Sep-22	10-Sep-22	30-Sep-22	11-Jun-22	02-Jul-22	-91	0%	
09-1770	Pile Raft Construction		30	17-Sep-22	16-Oct-22	17-Sep-22	16-Oct-22	18-Jun-22	18-Jul-22	-91	0%	
EP_SP_66_12-WP-3-M28.09.6 Air Compressor Bld Foundation			28	17-Oct-22	13-Nov-22	17-Oct-22	13-Nov-22	18-Jul-22	15-Aug-22	-91		
09-1780	Excavation to Formation		7	17-Oct-22	23-Oct-22	17-Oct-22	23-Oct-22	18-Jul-22	25-Jul-22	-91	0%	
09-1790	Plate Load Test		14	24-Oct-22	06-Nov-22	24-Oct-22	06-Nov-22	25-Jul-22	08-Aug-22	-91	0%	
09-1800	Raft Foundation Construction		14	31-Oct-22	13-Nov-22	31-Oct-22	13-Nov-22	01-Aug-22	15-Aug-22	-91	0%	
EP_SP_66_12-WP-3-M28.09.7 Chimney Foundation			198	22-Jun-22	05-Jan-23	22-Jun-22	05-Jan-23	20-Mar-22	15-Aug-22	-144		
09-1810	Predrilling for Prebored H-Pile founding determination (8 nr, 2 Rigs)		15	22-Jun-22	06-Jul-22	22-Jun-22	06-Jul-22	20-Mar-22	04-Apr-22	-94	0%	
09-1820	Prebored H Pile Installations (74 nrs, 6 Rigs)		90	26-Aug-22	23-Nov-22	26-Aug-22	23-Nov-22	04-Apr-22	03-Jul-22	-144	0%	
09-1830	Pile Load Test (1nr)		8	24-Nov-22	01-Dec-22	24-Nov-22	01-Dec-22	03-Jul-22	11-Jul-22	-144	0%	
09-1840	Excavation to Pile Cap Formation		7	02-Dec-22	08-Dec-22	02-Dec-22	08-Dec-22	11-Jul-22	18-Jul-22	-144	0%	
09-1850	Pile Cut-off & Capping Plate		14	09-Dec-22	22-Dec-22	09-Dec-22	22-Dec-22	18-Jul-22	01-Aug-22	-144	0%	
09-1860	Pile Caps Construction		14	23-Dec-22	05-Jan-23	23-Dec-22	05-Jan-23	01-Aug-22	15-Aug-22	-144	0%	
EP_SP_66_12-WP-3-M28.09.8 MT Plant & Desalination Bld Foundation			219	01-May-22	05-Dec-22	01-May-22	05-Dec-22	07-Feb-22	12-Aug-22	-116		
EP_SP_66_12-WP-3-M28.09.8.1 Piling Works			185	01-May-22	01-Nov-22	01-May-22	01-Nov-22	07-Feb-22	09-Jul-22	-116		
EP_SP_66_12-WP-3-M28.09.8.1.1 MT Plant (Driven H-pile)			68	01-May-22	07-Jul-22	01-May-22	07-Jul-22	07-Feb-22	29-Jun-22	-9		
09-1870	Driven H Pile Installations (200 nrs, 2 Rigs @ 2nr/d)		60	01-May-22	29-Jun-22	01-May-22	29-Jun-22	07-Feb-22	08-Apr-22	-83	0%	
09-1880	Pile Load Test (1nr)		8	30-Jun-22	07-Jul-22	30-Jun-22	07-Jul-22	21-Jun-22	29-Jun-22	-9	0%	
EP_SP_66_12-WP-3-M28.09.8.1.2 Desalination Plant (Socket H-pile)			118	07-Jul-22	01-Nov-22	07-Jul-22	01-Nov-22	03-May-22	09-Jul-22	-116		
09-1890	Predrilling for Prebored H-Pile founding determination (7 nr, 4 Rigs)		14	07-Jul-22	20-Jul-22	07-Jul-22	20-Jul-22	03-May-22	17-May-22	-65	0%	
09-1900	Prebored H Pile Installations 30 nrs, 6 Rigs)		45	10-Sep-22	24-Oct-22	10-Sep-22	24-Oct-22	17-May-22	01-Jul-22	-116	0%	
09-1910	Pile Load Test (1nr)		8	25-Oct-22	01-Nov-22	25-Oct-22	01-Nov-22	01-Jul-22	09-Jul-22	-116	0%	
EP_SP_66_12-WP-3-M28.09.8.2 Pile Cap Construction			151	08-Jul-22	05-Dec-22	08-Jul-22	05-Dec-22	29-Jun-22	12-Aug-22	-116		
EP_SP_66_12-WP-3-M28.09.8.2.1 MT Plant Pile Cap Construction			44	08-Jul-22	20-Aug-22	08-Jul-22	20-Aug-22	29-Jun-22	12-Aug-22	-9		
09-1920	Excavation to Pile Cap Formation		14	08-Jul-22	21-Jul-22	08-Jul-22	21-Jul-22	29-Jun-22	13-Jul-22	-9	0%	
09-1930	Pile Cut-off & Capping Plate		25	15-Jul-22	08-Aug-22	15-Jul-22	08-Aug-22	06-Jul-22	31-Jul-22	-9	0%	
09-1940	Pile Caps Construction		30	22-Jul-22	20-Aug-22	22-Jul-22	20-Aug-22	13-Jul-22	12-Aug-22	-9	0%	
EP_SP_66_12-WP-3-M28.09.8.2.2 Desalination Plant Pile Cap Construction			34	02-Nov-22	05-Dec-22	02-Nov-22	05-Dec-22	09-Jul-22	12-Aug-22	-116		
09-1950	Excavation to Pile Cap Formation		14	02-Nov-22	15-Nov-22	02-Nov-22	15-Nov-22	09-Jul-22	23-Jul-22	-116	0%	
09-1960	Pile Cut-off & Capping Plate		14	09-Nov-22	22-Nov-22	09-Nov-22	22-Nov-22	16-Jul-22	30-Jul-22	-116	0%	
09-1970	Pile Caps Construction		20	16-Nov-22	05-Dec-22	16-Nov-22	05-Dec-22	23-Jul-22	12-Aug-22	-116	0%	
EP_SP_66_12-WP-3-M28.09.9 IWMF Substation Building Foundation			94	12-Apr-22	14-Jul-22	12-Apr-22	14-Jul-22	26-Nov-21	28-Feb-22	-137		
EP_SP_66_12-WP-3-M28.09.9.1 Piling Works (Driven H-pile)			27	12-Apr-22	08-May-22	12-Apr-22	08-May-22	26-Nov-21	23-Dec-21	-137		
09-1980	Driven H Pile Installations (33 nrs, 1 Rigs @ 2nr/d)		19	12-Apr-22	30-Apr-22	12-Apr-22	30-Apr-22	26-Nov-21	15-Dec-21	-137	0%	
09-1990	Pile Load Test		8	01-May-22	08-May-22	01-May-22	08-May-22	15-Dec-21	23-Dec-21	-137	0%	
EP_SP_66_12-WP-3-M28.09.9.2 Pile Cap Construction			67	09-May-22	14-Jul-22	09-May-22	14-Jul-22	23-Dec-21	28-Feb-22	-137		
09-2000	Excavation to Pile Cap Formation		14	09-May-22	22-May-22	09-May-22	22-May-22	23-Dec-21	06-Jan-22	-137	0%	
09-2010	Pile Cut-off & Capping Plate		30	16-May-22	14-Jun-22	16-May-22	14-Jun-22	30-Dec-21	29-Jan-22	-137	0%	
09-2020	Pile Cap Construction		30	15-Jun-22	14-Jul-22	15-Jun-22	14-Jul-22	29-Jan-22	28-Feb-22	-137	0%	
EP_SP_66_12-WP-3-M28.09.10 Access Ramp Bld Foundation			133	23-Aug-22	02-Jan-23	23-Aug-22	02-Jan-23	28-Jul-22	08-Dec-22	-26		
09-2030	Driven H Pile Installations (201nrs, 2 Rigs @ 2nr/d)		60	23-Aug-22	21-Oct-22	23-Aug-22	21-Oct-22	28-Jul-22	26-Sep-22	-26	0%	
09-2040	Pile Load Test (1nr)		8	22-Oct-22	29-Oct-22	22-Oct-22	29-Oct-22	26-Sep-22	04-Oct-22	-26	0%	
09-2050	Excavation to Pile Cap Formation		21	30-Oct-22	19-Nov-22	30-Oct-22	19-Nov-22	04-Oct-22	25-Oct-22	-26	0%	
09-2060	Pile Cut-off & Capping Plate (6 Welders @ 2nr/d)		30	20-Nov-22	19-Dec-22	20-Nov-22	19-Dec-22	25-Oct-22	24-Nov-22	-26	0%	
09-2070	Pile Caps Construction (12nr @ 7nr/week)		30	04-Dec-22	02-Jan-23	04-Dec-22	02-Jan-23	08-Nov-22	08-Dec-22	-26	0%	
EP_SP_66_12-WP-3-M28.09.11 Reception Bld Foundation			49	03-Jan-23	20-Feb-23	03-Jan-23	20-Feb-23	08-Dec-22	26-Jan-23	-26		
09-2080	Excavation to Formation		14	03-Jan-23	16-Jan-23	03-Jan-23	16-Jan-23	08-Dec-22	22-Dec-22	-26	0%	
09-2090	Plate Load Test		14	17-Jan-23	30-Jan-23	17-Jan-23	30-Jan-23	22-Dec-22	05-Jan-23	-26	0%	
09-2100	Construct Raft Foundation		21	31-Jan-23	20-Feb-23	31-Jan-23	20-Feb-23	05-Jan-23	26-Jan-23	-26	0%	
EP_SP_66_12-WP-3-M28.09.12 Pipe Bridge Foundation			397	12-Mar-22	12-Apr-23	12-Mar-22	12-Apr-23	02-Feb-22	06-Mar-23	-38		
EP_SP_66_12-WP-3-M28.09.12.1 Piling Works (Socket H-pile)			263	12-Mar-22	29-Nov-22	12-Mar-22	29-Nov-22	02-Feb-22	23-Oct-22	-38		
09-2110	Predrilling for Prebored H-Pile founding determination (11 nr, 2 Rigs)		25	12-Mar-22	05-Apr-22	12-Mar-22	05-Apr-22	02-Feb-22	27-Feb-22	-38	0%	
09-2120	Prebored H Pile Installations (140 nrs, 4 Rigs)		230	06-Apr-22	21-Nov-22	06-Apr-22	21-Nov-22	27-Feb-22	15-Oct-22	-38	0%	
09-2130	Pile Load Test (2nr)		8	22-Nov-22	29-Nov-22	22-Nov-22	29-Nov-22	15-Oct-22	23-Oct-22	-38	0%	
EP_SP_66_12-WP-3-M28.09.12.2 Pile Caps Construction			134	30-Nov-22	12-Apr-23	30-Nov-22	12-Apr-23	23-Oct-22	06-Mar-23	-38		
09-2140	Excavation to Pile Cap Formation		14	30-Nov-22	13-Dec-22	30-Nov-22	13-Dec-22	23-Oct-22	06-Nov-22	-38	0%	
09-2150	Pile Cut-off & Capping Plate (6 Welders @ 2nr/d)		30	07-Dec-22	05-Jan-23	07-Dec-22	05-Jan-23	30-Oct-22	29-Nov-22	-38	0%	
09-2160	Pile Caps Construction		60	14-Dec-22	11-Feb-23	14-Dec-22	11-Feb-23	06-Nov-22	05-Jan-23	-38	0%	
09-2170	Utility Trench Construction		90	13-Jan-23	12-Apr-23	13-Jan-23	12-Apr-23	06-Dec-22	06-Mar-23	-38	0%	
EP_SP_66_12-WP-3-M28.10 Superstructural Works			540	12-Jul-22	02-Jan-24	12-Jul-22	02-Jan-24	28-Feb-22	06-Jan-24	3		
EP_SP_66_12-WP-3-M28.10.1 Administration Bld Structure			267	15-Feb-23	08-Nov-23	15-Feb-23	08-Nov-23	22-Oct-22	16-Jul-23	-116		
10-1000	Ground Slab to +6.0mPD		21	15-Feb-23	07-Mar-23	15-Feb-23	07-Mar-23	22-Oct-22	12-Nov-22	-116	0%	
10-1010	Column & Wall to +11.5mPD		21	08-Mar-23	28-Mar-23	08-Mar-23	28-Mar-23	12-Nov-22	03-Dec-22	-116	0%	
10-1020	Beam & Slab to +11.5mPD		21	29-Mar-23	18-Apr-23	29-Mar-23	18-Apr-23	03-Dec-22	24-Dec-22	-116	0%	
10-1030	Column & Wall to +17.0mPD		21	19-Apr-23	09-May-23	19-Apr-23	09-May-23	24-Dec-22	14-Jan-23	-116	0%	
10-1040	Beam & Slab to +17.0mPD		21	10-May-23	30-May-23	10-May-23	30-May-23	14-Jan-23	04-Feb-23	-116	0%	
10-1050	Column & Wall to +22.5mPD		21	31-May-23	20-Jun-23	31-May-23	20-Jun-23	04-Feb-23	25-Feb-23	-116	0%	
10-1060	Beam & Slab to +22.5mPD		21	21-Jun-23	11-Jul-23	21-Jun-23	11-Jul-23	25-Feb-23	18-Mar-23	-116	0%	
10-1070	Roof Parapet and Dog House		21	12-Jul-23	01-Aug-23	12-Jul-23	01-Aug-23	18-Mar-23	08-Apr-23	-116	0%	
10-1080	Structural Curtain Wall Erection		120	12-Jul-23	08-Nov-23	12-Jul-23	08-Nov-23	18-Mar-23	16-Jul-23	-116	0%	

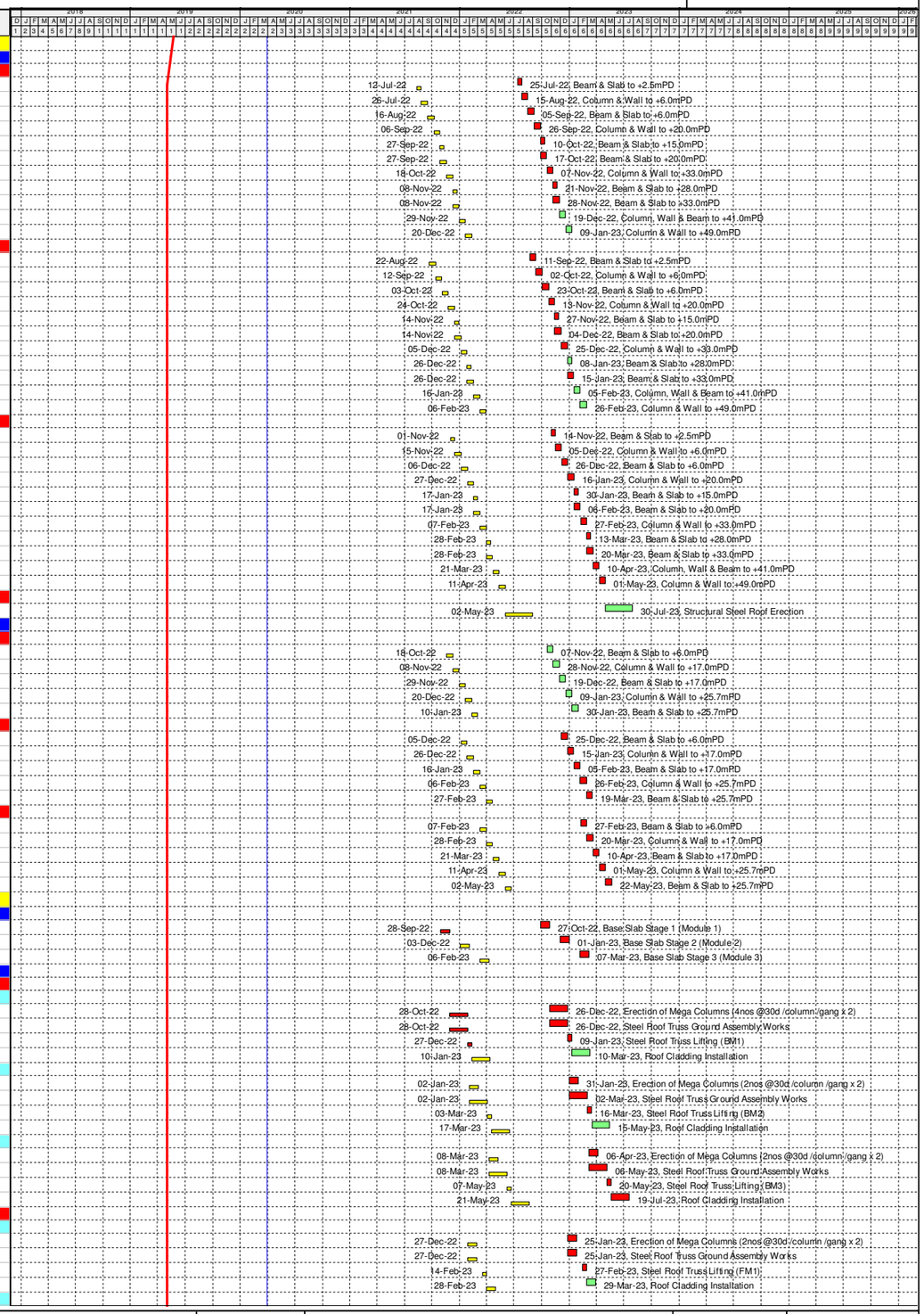


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
EP_SP_66_12-WP-3-M28.10.2	Waste Bunker & Tipping Hall Bld Sturcture		384	12-Jul-22	30-Jul-23	12-Jul-22	30-Jul-23	28-Mar-22	06-Jan-24	159		
EP_SP_66_12-WP-3-M28.10.2.1	Waste & Ash Bunker Bld Structure		384	12-Jul-22	30-Jul-23	12-Jul-22	30-Jul-23	28-Mar-22	06-Jan-24	159		
EP_SP_66_12-WP-3-M28.10.2.1.1	Waste & Ash Bunker Bld Structure at Module 1		182	12-Jul-22	09-Jan-23	12-Jul-22	09-Jan-23	28-Mar-22	28-Feb-23	49		
10-1090	Beam & Slab to +2.5mPD		14	12-Jul-22	25-Jul-22	12-Jul-22	25-Jul-22	28-Mar-22	11-Apr-22	-106	0%	
10-1100	Column & Wall to +6.0mPD		21	26-Jul-22	15-Aug-22	26-Jul-22	15-Aug-22	11-Apr-22	02-May-22	-106	0%	
10-1110	Beam & Slab to +6.0mPD		21	16-Aug-22	05-Sep-22	16-Aug-22	05-Sep-22	02-May-22	23-May-22	-106	0%	
10-1120	Column & Wall to +20.0mPD		21	06-Sep-22	26-Sep-22	06-Sep-22	26-Sep-22	23-May-22	13-Jun-22	-106	0%	
10-1130	Beam & Slab to +15.0mPD		14	27-Sep-22	10-Oct-22	27-Sep-22	10-Oct-22	20-Jun-22	04-Jul-22	-99	0%	
10-1140	Beam & Slab to +20.0mPD		21	27-Sep-22	17-Oct-22	27-Sep-22	17-Oct-22	13-Jun-22	04-Jul-22	-106	0%	
10-1150	Column & Wall to +33.0mPD		21	18-Oct-22	07-Nov-22	18-Oct-22	07-Nov-22	04-Jul-22	25-Jul-22	-106	0%	
10-1160	Beam & Slab to +28.0mPD		14	08-Nov-22	21-Nov-22	08-Nov-22	21-Nov-22	01-Aug-22	15-Aug-22	-99	0%	
10-1170	Beam & Slab to +33.0mPD		21	08-Nov-22	28-Nov-22	08-Nov-22	28-Nov-22	25-Jul-22	15-Aug-22	-106	0%	
10-1180	Column, Wall & Beam to +41.0mPD		21	29-Nov-22	19-Dec-22	29-Nov-22	19-Dec-22	17-Jan-23	07-Feb-23	49	0%	
10-1190	Column & Wall to +49.0mPD		21	20-Dec-22	09-Jan-23	20-Dec-22	09-Jan-23	07-Feb-23	28-Feb-23	49	0%	
EP_SP_66_12-WP-3-M28.10.2.1.2	Waste & Ash Bunker Bld Structure at Module 2		189	22-Aug-22	26-Feb-23	22-Aug-22	26-Feb-23	16-Jun-22	21-Mar-23	22		
10-1200	Beam & Slab to +2.5mPD		21	22-Aug-22	11-Sep-22	22-Aug-22	11-Sep-22	16-Jun-22	07-Jul-22	-67	0%	
10-1210	Column & Wall to +6.0mPD		21	12-Sep-22	02-Oct-22	12-Sep-22	02-Oct-22	07-Jul-22	28-Jul-22	-67	0%	
10-1220	Beam & Slab to +6.0mPD		21	03-Oct-22	23-Oct-22	03-Oct-22	23-Oct-22	28-Jul-22	18-Aug-22	-67	0%	
10-1230	Column & Wall to +20.0mPD		21	24-Oct-22	13-Nov-22	24-Oct-22	13-Nov-22	18-Aug-22	08-Sep-22	-67	0%	
10-1240	Beam & Slab to +15.0mPD		14	14-Nov-22	27-Nov-22	14-Nov-22	27-Nov-22	15-Sep-22	29-Sep-22	-60	0%	
10-1250	Beam & Slab to +20.0mPD		21	14-Nov-22	04-Dec-22	14-Nov-22	04-Dec-22	08-Sep-22	29-Sep-22	-67	0%	
10-1260	Column & Wall to +33.0mPD		21	05-Dec-22	25-Dec-22	05-Dec-22	25-Dec-22	29-Sep-22	20-Oct-22	-67	0%	
10-1270	Beam & Slab to +28.0mPD		14	26-Dec-22	08-Jan-23	26-Dec-22	08-Jan-23	24-Jan-23	07-Feb-23	29	0%	
10-1280	Beam & Slab to +33.0mPD		21	26-Dec-22	15-Jan-23	26-Dec-22	15-Jan-23	20-Oct-22	10-Nov-22	-67	0%	
10-1290	Column, Wall & Beam to +41.0mPD		21	16-Jan-23	05-Feb-23	16-Jan-23	05-Feb-23	07-Feb-23	28-Feb-23	22	0%	
10-1300	Column & Wall to +49.0mPD		21	06-Feb-23	26-Feb-23	06-Feb-23	26-Feb-23	28-Feb-23	21-Mar-23	22	0%	
EP_SP_66_12-WP-3-M28.10.2.1.3	Waste & Ash Bunker Bld Structure at Module 3		182	01-Nov-22	01-May-23	01-Nov-22	01-May-23	06-Sep-22	11-Apr-23	-21		
10-1310	Beam & Slab to +2.5mPD		14	01-Nov-22	14-Nov-22	01-Nov-22	14-Nov-22	06-Sep-22	20-Sep-22	-56	0%	
10-1320	Column & Wall to +6.0mPD		21	15-Nov-22	05-Dec-22	15-Nov-22	05-Dec-22	20-Sep-22	11-Oct-22	-56	0%	
10-1330	Beam & Slab to +6.0mPD		21	06-Dec-22	26-Dec-22	06-Dec-22	26-Dec-22	11-Oct-22	01-Nov-22	-56	0%	
10-1340	Column & Wall to +20.0mPD		21	27-Dec-22	16-Jan-23	27-Dec-22	16-Jan-23	01-Nov-22	22-Nov-22	-56	0%	
10-1350	Beam & Slab to +15.0mPD		14	17-Jan-23	30-Jan-23	17-Jan-23	30-Jan-23	11-Dec-22	25-Dec-22	-37	0%	
10-1360	Beam & Slab to +20.0mPD		21	17-Jan-23	06-Feb-23	17-Jan-23	06-Feb-23	22-Nov-22	13-Dec-22	-56	0%	
10-1370	Column & Wall to +33.0mPD		21	07-Feb-23	27-Feb-23	07-Feb-23	27-Feb-23	25-Dec-22	15-Jan-23	-44	0%	
10-1380	Beam & Slab to +28.0mPD		14	28-Feb-23	13-Mar-23	28-Feb-23	13-Mar-23	14-Feb-23	28-Feb-23	-14	0%	
10-1390	Beam & Slab to +33.0mPD		21	28-Feb-23	20-Mar-23	28-Feb-23	20-Mar-23	15-Jan-23	05-Feb-23	-44	0%	
10-1400	Column, Wall & Beam to +41.0mPD		21	21-Mar-23	10-Apr-23	21-Mar-23	10-Apr-23	28-Feb-23	21-Mar-23	-21	0%	
10-1410	Column & Wall to +49.0mPD		21	11-Apr-23	01-May-23	11-Apr-23	01-May-23	21-Mar-23	11-Apr-23	-21	0%	
EP_SP_66_12-WP-3-M28.10.2.1.4	Waste & Ash Bunker Bld Structural Steel Roof		90	02-May-23	30-Jul-23	02-May-23	30-Jul-23	08-Oct-23	06-Jan-24	159		
10-1420	Structural Steel Roof Erection		90	02-May-23	30-Jul-23	02-May-23	30-Jul-23	08-Oct-23	06-Jan-24	159	0%	
EP_SP_66_12-WP-3-M28.10.2.2	Tipping Hall Bld Structure		217	18-Oct-22	22-May-23	18-Oct-22	22-May-23	01-Nov-22	28-Mar-23	-56		
EP_SP_66_12-WP-3-M28.10.2.2.1	Tipping Hall Bld Structure at Module 1		105	18-Oct-22	30-Jan-23	18-Oct-22	30-Jan-23	01-Nov-22	14-Feb-23	14		
10-1430	Beam & Slab to +6.0mPD		21	18-Oct-22	07-Nov-22	18-Oct-22	07-Nov-22	01-Nov-22	22-Nov-22	14	0%	
10-1440	Column & Wall to +17.0mPD		21	08-Nov-22	28-Nov-22	08-Nov-22	28-Nov-22	22-Nov-22	13-Dec-22	14	0%	
10-1450	Beam & Slab to +17.0mPD		21	29-Nov-22	19-Dec-22	29-Nov-22	19-Dec-22	13-Dec-22	03-Jan-23	14	0%	
10-1460	Column & Wall to +25.7mPD		21	20-Dec-22	09-Jan-23	20-Dec-22	09-Jan-23	03-Jan-23	24-Jan-23	14	0%	
10-1470	Beam & Slab to +25.7mPD		21	10-Jan-23	30-Jan-23	10-Jan-23	30-Jan-23	24-Jan-23	14-Feb-23	14	0%	
EP_SP_66_12-WP-3-M28.10.2.2.2	Tipping Hall Bld Structure at Module 2		105	05-Dec-22	19-Mar-23	05-Dec-22	19-Mar-23	22-Nov-22	07-Mar-23	-13		
10-1480	Beam & Slab to +6.0mPD		21	05-Dec-22	25-Dec-22	05-Dec-22	25-Dec-22	22-Nov-22	13-Dec-22	-13	0%	
10-1490	Column & Wall to +17.0mPD		21	26-Dec-22	15-Jan-23	26-Dec-22	15-Jan-23	13-Dec-22	03-Jan-23	-13	0%	
10-1500	Beam & Slab to +17.0mPD		21	16-Jan-23	05-Feb-23	16-Jan-23	05-Feb-23	03-Jan-23	24-Jan-23	-13	0%	
10-1510	Column & Wall to +25.7mPD		21	06-Feb-23	26-Feb-23	06-Feb-23	26-Feb-23	24-Jan-23	14-Feb-23	-13	0%	
10-1520	Beam & Slab to +25.7mPD		21	27-Feb-23	19-Mar-23	27-Feb-23	19-Mar-23	14-Feb-23	07-Mar-23	-13	0%	
EP_SP_66_12-WP-3-M28.10.2.2.3	Tipping Hall Bld Structure at Module 3		105	07-Feb-23	22-May-23	07-Feb-23	22-May-23	13-Dec-22	28-Mar-23	-56		
10-1530	Beam & Slab to +6.0mPD		21	07-Feb-23	27-Feb-23	07-Feb-23	27-Feb-23	13-Dec-22	03-Jan-23	-56	0%	
10-1540	Column & Wall to +17.0mPD		21	28-Feb-23	20-Mar-23	28-Feb-23	20-Mar-23	03-Jan-23	24-Jan-23	-56	0%	
10-1550	Beam & Slab to +17.0mPD		21	21-Mar-23	10-Apr-23	21-Mar-23	10-Apr-23	24-Jan-23	14-Feb-23	-56	0%	
10-1560	Column & Wall to +25.7mPD		21	11-Apr-23	01-May-23	11-Apr-23	01-May-23	14-Feb-23	07-Mar-23	-56	0%	
10-1570	Beam & Slab to +25.7mPD		21	02-May-23	22-May-23	02-May-23	22-May-23	07-Mar-23	28-Mar-23	-56	0%	
EP_SP_66_12-WP-3-M28.10.3	Boiler & Flue Gas Treatment Bld Structure		462	28-Sep-22	02-Jan-24	28-Sep-22	02-Jan-24	03-May-22	04-Sep-23	-121		
EP_SP_66_12-WP-3-M28.10.3.1	RC Base Slab		161	28-Sep-22	07-Mar-23	28-Sep-22	07-Mar-23	03-May-22	23-Nov-22	-105		
10-1580	Base Slab Stage 1 (Module 1)		30	28-Sep-22	27-Oct-22	28-Sep-22	27-Oct-22	03-May-22	02-Jun-22	-148	0%	
10-1590	Base Slab Stage 2 (Module 2)		30	03-Dec-22	01-Jan-23	03-Dec-22	01-Jan-23	29-Jul-22	28-Aug-22	-127	0%	
10-1600	Base Slab Stage 3 (Module 3)		30	06-Feb-23	07-Mar-23	06-Feb-23	07-Mar-23	24-Oct-22	23-Nov-22	-105	0%	
EP_SP_66_12-WP-3-M28.10.3.2	Steel Structure		327	28-Oct-22	19-Sep-23	28-Oct-22	19-Sep-23	02-Jun-22	04-Sep-23	-16		
EP_SP_66_12-WP-3-M28.10.3.2.1	Boiler Building Steel Structure		265	28-Oct-22	19-Jul-23	28-Oct-22	19-Jul-23	02-Jun-22	07-Jul-23	-13		
EP_SP_66_12-WP-3-M28.10.3.2.1.1	Steel Structure Erection at Module 1		134	28-Oct-22	10-Mar-23	28-Oct-22	10-Mar-23	02-Jun-22	12-May-23	62		
10-1610	Erection of Mega Columns (4nos @30d /column /gang x 2)		60	28-Oct-22	26-Dec-22	28-Oct-22	26-Dec-22	02-Jun-22	01-Aug-22	-148	0%	
10-1620	Steel Roof Truss Ground Assembly Works		60	28-Oct-22	26-Dec-22	28-Oct-22	26-Dec-22	02-Jun-22	01-Aug-22	-148	0%	
10-1630	Steel Roof Truss Lifting (BM1)		14	27-Dec-22	09-Jan-23	27-Dec-22	09-Jan-23	01-Aug-22	15-Aug-22	-148	0%	
10-1640	Roof Cladding Installation		60	10-Jan-23	10-Mar-23	10-Jan-23	10-Mar-23	13-Mar-23	12-May-23	62	0%	
EP_SP_66_12-WP-3-M28.10.3.2.1.2	Steel Structure Erection at Module 2		134	02-Jan-23	15-May-23	02-Jan-23	15-May-23	28-Aug-22	04-Jul-23	49		
10-1650	Erection of Mega Columns (2nos @30d /column /gang x 2)		30	02-Jan-23	31-Jan-23	02-Jan-23	31-Jan-23	28-Aug-22	27-Sep-22	-127	0%	
10-1660	Steel Roof Truss Ground Assembly Works		60	02-Jan-23	02-Mar-23	02-Jan-23	02-Mar-23	28-Aug-22	27-Oct-22	-127	0%	
10-1670	Steel Roof Truss Lifting (BM2)		14	03-Mar-23	16-Mar-23	03-Mar-23	16-Mar-23	27-Oct-22	10-Nov-22	-127	0%	
10-1680	Roof Cladding Installation		60	17-Mar-23	15-May-23	17-Mar-23	15-May-23	05-May-23	04-Jul-23	49	0%	
EP_SP_66_12-WP-3-M28.10.3.2.1.3	Steel Structure Erection at Module 3		134	08-Mar-23	19-Jul-23	08-Mar-23	19-Jul-23	23-Nov-22	07-Jul-23	-13		
10-1690	Erection of Mega Columns (2nos @30d /column /gang x 2)		30	08-Mar-23	06-Apr-23	08-Mar-23	06-Apr-23	23-Nov-22	23-Dec-22	-105	0%	
10-1700	Steel Roof Truss Ground Assembly Works		60	08-Mar-23	06-May-23	08-Mar-23	06-May-23	23-Nov-22	22-Jan-23	-105	0%	
10-1710	Steel Roof Truss Lifting (BM3)		14	07-May-23	20-May-23	07-May-23	20-May-23	22-Jan-23	05-Feb-23	-105	0%	
10-1720	Roof Cladding Installation		60	21-May-23	19-Jul-23	21-May-23	19-Jul-23	08-May-23	07-Jul-23	-13	0%	
EP_SP_66_12-WP-3-M28.10.3.2.2	Flue Gas Treatment Bld Steel Structure		267	27-Dec-22	19-Sep-23	27-Dec-22	19-Sep-23	29-Aug-22	04-Sep-23	-16		
EP_SP_66_12-WP-3-M28.10.3.2.2.1	Steel Structure Erection at Module 1		93	27-Dec-22	29-Mar-23	27-Dec-22	29-Mar-23	29-Aug-22	08-Aug-23	131		
10-1730	Erection of Mega Columns (2nos @30d /column /gang x 2)		30	27-Dec-22	25-Jan-23	27-Dec-22	25-Jan-23	29-Aug-22	28-Sep-22	-120	0%	
10-1740	Steel Roof Truss Ground Assembly Works		30	27-Dec-22	25-Jan-23	27-Dec-22	25-Jan-23	29-Aug-22	28-Sep-22	-120	0%	
10-1750	Steel Roof Truss Lifting (FM1)		14	14-Feb-23	27-Feb-23	14-Feb-23	27-Feb-23	28-Sep-22	12-Oct-22	-139	0%	
10-1760	Roof Cladding Installation		30	28-Feb-23	29-Mar-23	28-Feb-23	29-Mar-23	09-Jul-23	08-Aug-23	131	0%	
EP_SP_66_12-WP-3-M28.10.3.2.2.2	Steel Structure Erection at Module 2		144	01-Feb-23	24-Jun-23	01-Feb-23	24-Jun-23	24-Nov-22	04-Sep-23	71		

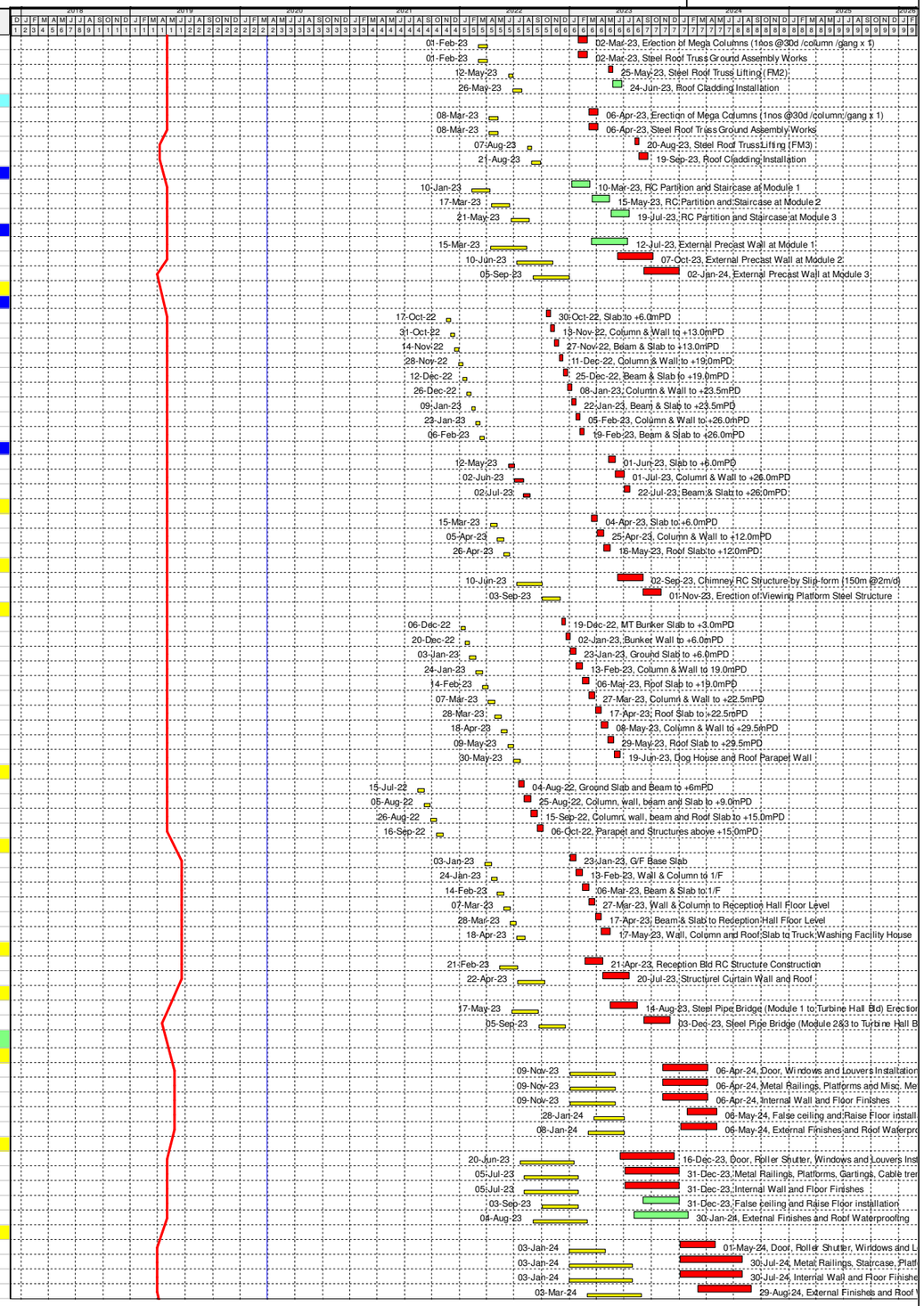


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
10-1770	Erection of Mega Columns (1nos @30d /column /gang x 1)		30	01-Feb-23	02-Mar-23	01-Feb-23	02-Mar-23	24-Nov-22	24-Dec-22	-69	0%	
10-1780	Steel Roof Truss Ground Assembly Works		30	01-Feb-23	02-Mar-23	01-Feb-23	02-Mar-23	24-Nov-22	24-Dec-22	-69	0%	
10-1790	Steel Roof Truss Lifting (FM2)		14	12-May-23	25-May-23	12-May-23	25-May-23	24-Dec-22	07-Jan-23	-139	0%	
10-1800	Roof Cladding Installation		30	26-May-23	24-Jun-23	26-May-23	24-Jun-23	05-Aug-23	04-Sep-23	71	0%	
EP_SP_66_12-WP-3-M28.10.3.2.2.3 Steel Structure Erection at Module 3			196	08-Mar-23	19-Sep-23	08-Mar-23	19-Sep-23	19-Feb-23	08-Aug-23	-43		
10-1810	Erection of Mega Columns (1nos @30d /column /gang x 1)		30	08-Mar-23	06-Apr-23	08-Mar-23	06-Apr-23	19-Feb-23	21-Mar-23	-17	0%	
10-1820	Steel Roof Truss Ground Assembly Works		30	08-Mar-23	06-Apr-23	08-Mar-23	06-Apr-23	19-Feb-23	21-Mar-23	-17	0%	
10-1830	Steel Roof Truss Lifting (FM3)		14	07-Aug-23	20-Aug-23	07-Aug-23	20-Aug-23	21-Mar-23	04-Apr-23	-139	0%	
10-1840	Roof Cladding Installation		30	21-Aug-23	19-Sep-23	21-Aug-23	19-Sep-23	09-Jul-23	08-Aug-23	-43	0%	
EP_SP_66_12-WP-3-M28.10.3.3 Internal Partition Wall and Staircase			191	10-Jan-23	19-Jul-23	10-Jan-23	19-Jul-23	09-Feb-23	08-Aug-23	19		
10-1850	RC Partition and Staircase at Module 1		60	10-Jan-23	10-Mar-23	10-Jan-23	10-Mar-23	09-Feb-23	10-Apr-23	30	0%	
10-1860	RC Partition and Staircase at Module 2		60	17-Mar-23	15-May-23	17-Mar-23	15-May-23	10-Apr-23	09-Jun-23	24	0%	
10-1870	RC Partition and Staircase at Module 3		60	21-May-23	19-Jul-23	21-May-23	19-Jul-23	09-Jun-23	08-Aug-23	19	0%	
EP_SP_66_12-WP-3-M28.10.3.4 External Precast Wall			294	15-Mar-23	02-Jan-24	15-Mar-23	02-Jan-24	10-Apr-23	08-Aug-23	-148		
10-1880	External Precast Wall at Module 1		120	15-Mar-23	12-Jul-23	15-Mar-23	12-Jul-23	10-Apr-23	08-Aug-23	26	0%	
10-1890	External Precast Wall at Module 2		120	10-Jun-23	07-Oct-23	10-Jun-23	07-Oct-23	10-Apr-23	08-Aug-23	-61	0%	
10-1900	External Precast Wall at Module 3		120	05-Sep-23	02-Jan-24	05-Sep-23	02-Jan-24	10-Apr-23	08-Aug-23	-148	0%	
EP_SP_66_12-WP-3-M28.10.5 Turbine Hall Bld Structure			279	17-Oct-22	22-Jul-23	17-Oct-22	22-Jul-23	08-Oct-22	26-Mar-23	-119		
EP_SP_66_12-WP-3-M28.10.5.1 Stage 1 (Module 1 & Electrical Bld)			126	17-Oct-22	19-Feb-23	17-Oct-22	19-Feb-23	08-Oct-22	11-Feb-23	-9		
10-1910	Slab to +6.0mPD		14	17-Oct-22	30-Oct-22	17-Oct-22	30-Oct-22	08-Oct-22	22-Oct-22	-9	0%	
10-1920	Column & Wall to +13.0mPD		14	31-Oct-22	13-Nov-22	31-Oct-22	13-Nov-22	22-Oct-22	05-Nov-22	-9	0%	
10-1930	Beam & Slab to +13.0mPD		14	14-Nov-22	27-Nov-22	14-Nov-22	27-Nov-22	05-Nov-22	19-Nov-22	-9	0%	
10-1940	Column & Wall to +19.0mPD		14	28-Nov-22	11-Dec-22	28-Nov-22	11-Dec-22	19-Nov-22	03-Dec-22	-9	0%	
10-1950	Beam & Slab to +19.0mPD		14	12-Dec-22	25-Dec-22	12-Dec-22	25-Dec-22	03-Dec-22	17-Dec-22	-9	0%	
10-1960	Column & Wall to +23.5mPD		14	26-Dec-22	08-Jan-23	26-Dec-22	08-Jan-23	17-Dec-22	31-Dec-22	-9	0%	
10-1970	Beam & Slab to +23.5mPD		14	09-Jan-23	22-Jan-23	09-Jan-23	22-Jan-23	31-Dec-22	14-Jan-23	-9	0%	
10-1980	Column & Wall to +26.0mPD		14	23-Jan-23	05-Feb-23	23-Jan-23	05-Feb-23	14-Jan-23	28-Jan-23	-9	0%	
10-1990	Beam & Slab to +26.0mPD		14	06-Feb-23	19-Feb-23	06-Feb-23	19-Feb-23	28-Jan-23	11-Feb-23	-9	0%	
EP_SP_66_12-WP-3-M28.10.5.2 Stage 2 (Module 2 & 3)			72	12-May-23	22-Jul-23	12-May-23	22-Jul-23	13-Jan-23	26-Mar-23	-119		
10-2000	Slab to +6.0mPD		21	12-May-23	01-Jun-23	12-May-23	01-Jun-23	13-Jan-23	03-Feb-23	-119	0%	
10-2010	Column & Wall to +26.0mPD		30	02-Jun-23	01-Jul-23	02-Jun-23	01-Jul-23	03-Feb-23	05-Mar-23	-119	0%	
10-2020	Beam & Slab to +26.0mPD		21	02-Jul-23	22-Jul-23	02-Jul-23	22-Jul-23	05-Mar-23	26-Mar-23	-119	0%	
EP_SP_66_12-WP-3-M28.10.6 Air Compressor Bld Structure			63	15-Mar-23	16-May-23	15-Mar-23	16-May-23	02-Jan-23	06-Mar-23	-72		
10-2030	Slab to +6.0mPD		21	15-Mar-23	04-Apr-23	15-Mar-23	04-Apr-23	02-Jan-23	23-Jan-23	-72	0%	
10-2040	Column & Wall to +12.0mPD		21	05-Apr-23	25-Apr-23	05-Apr-23	25-Apr-23	23-Jan-23	13-Feb-23	-72	0%	
10-2050	Roof Slab to +12.0mPD		21	26-Apr-23	16-May-23	26-Apr-23	16-May-23	13-Feb-23	06-Mar-23	-72	0%	
EP_SP_66_12-WP-3-M28.10.7 Chimney Structure			145	10-Jun-23	01-Nov-23	10-Jun-23	01-Nov-23	31-Jan-23	25-Jun-23	-130		
10-2060	Chimney RC Structure by Slip-form (150m @2m/d)		85	10-Jun-23	02-Sep-23	10-Jun-23	02-Sep-23	31-Jan-23	26-Apr-23	-130	0%	
10-2240	Erection of Viewing Platform Steel Structure		60	03-Sep-23	01-Nov-23	03-Sep-23	01-Nov-23	26-Apr-23	25-Jun-23	-130	0%	
EP_SP_66_12-WP-3-M28.10.8 MT Plant & Desalination Bld Structure			196	06-Dec-22	19-Jun-23	06-Dec-22	19-Jun-23	12-Aug-22	28-Mar-23	-84		
10-2070	MT Bunker Slab to +3.0mPD		14	06-Dec-22	19-Dec-22	06-Dec-22	19-Dec-22	12-Aug-22	26-Aug-22	-116	0%	
10-2080	Bunker Wall to +6.0mPD		14	20-Dec-22	02-Jan-23	20-Dec-22	02-Jan-23	26-Aug-22	09-Sep-22	-116	0%	
10-2090	Ground Slab to +6.0mPD		21	03-Jan-23	23-Jan-23	03-Jan-23	23-Jan-23	09-Sep-22	30-Sep-22	-116	0%	
10-2100	Column & Wall to 19.0mPD		21	24-Jan-23	13-Feb-23	24-Jan-23	13-Feb-23	30-Sep-22	21-Oct-22	-116	0%	
10-2110	Roof Slab to +19.0mPD		21	14-Feb-23	06-Mar-23	14-Feb-23	06-Mar-23	21-Oct-22	11-Nov-22	-116	0%	
10-2120	Column & Wall to +22.5mPD		21	07-Mar-23	27-Mar-23	07-Mar-23	27-Mar-23	11-Nov-22	02-Dec-22	-116	0%	
10-2130	Roof Slab to +22.5mPD		21	28-Mar-23	17-Apr-23	28-Mar-23	17-Apr-23	02-Dec-22	23-Dec-22	-116	0%	
10-2140	Column & Wall to +29.5mPD		21	18-Apr-23	08-May-23	18-Apr-23	08-May-23	23-Dec-22	13-Jan-23	-116	0%	
10-2150	Roof Slab to +29.5mPD		21	09-May-23	29-May-23	09-May-23	29-May-23	13-Jan-23	03-Feb-23	-116	0%	
10-2160	Dog House and Roof Parapet Wall		21	30-May-23	19-Jun-23	30-May-23	19-Jun-23	07-Mar-23	28-Mar-23	-84	0%	
EP_SP_66_12-WP-3-M28.10.9 IWMF Substation Structure			84	15-Jul-22	06-Oct-22	15-Jul-22	06-Oct-22	28-Feb-22	23-May-22	-137		
10-2170	Ground Slab and Beam to +6mPD		21	15-Jul-22	04-Aug-22	15-Jul-22	04-Aug-22	28-Feb-22	21-Mar-22	-137	0%	
10-2180	Column, wall, beam and Slab to +9.0mPD		21	05-Aug-22	25-Aug-22	05-Aug-22	25-Aug-22	21-Mar-22	11-Apr-22	-137	0%	
10-2190	Column, wall, beam and Roof Slab to +15.0mPD		21	26-Aug-22	15-Sep-22	26-Aug-22	15-Sep-22	11-Apr-22	02-May-22	-137	0%	
10-2200	Parapet and Structures above +15.0mPD		21	16-Sep-22	06-Oct-22	16-Sep-22	06-Oct-22	02-May-22	23-May-22	-137	0%	
EP_SP_66_12-WP-3-M28.10.10 Access Ramp Bld Structure			135	03-Jan-23	17-May-23	03-Jan-23	17-May-23	14-Dec-22	28-Apr-23	-20		
10-2210	G/F Base Slab		21	03-Jan-23	23-Jan-23	03-Jan-23	23-Jan-23	14-Dec-22	04-Jan-23	-20	0%	
10-2220	Wall & Column to 1/F		21	24-Jan-23	13-Feb-23	24-Jan-23	13-Feb-23	04-Jan-23	25-Jan-23	-20	0%	
10-2230	Beam & Slab to 1/F		21	14-Feb-23	06-Mar-23	14-Feb-23	06-Mar-23	25-Jan-23	15-Feb-23	-20	0%	
10-2250	Wall & Column to Reception Hall Floor Level		21	07-Mar-23	27-Mar-23	07-Mar-23	27-Mar-23	15-Feb-23	08-Mar-23	-20	0%	
10-2260	Beam & Slab to Reception Hall Floor Level		21	28-Mar-23	17-Apr-23	28-Mar-23	17-Apr-23	08-Mar-23	29-Mar-23	-20	0%	
10-2270	Wall, Column and Roof Slab to Truck Washing Facility House		30	18-Apr-23	17-May-23	18-Apr-23	17-May-23	29-Mar-23	28-Apr-23	-20	0%	
EP_SP_66_12-WP-3-M28.10.11 Reception Bld Structure			150	21-Feb-23	20-Jul-23	21-Feb-23	20-Jul-23	26-Jan-23	25-Jun-23	-26		
10-2280	Reception Bld RC Structure Construction		60	21-Feb-23	21-Apr-23	21-Feb-23	21-Apr-23	26-Jan-23	27-Mar-23	-26	0%	
10-2290	Structurel Curtain Wall and Roof		90	22-Apr-23	20-Jul-23	22-Apr-23	20-Jul-23	27-Mar-23	25-Jun-23	-26	0%	
EP_SP_66_12-WP-3-M28.10.13 Pipe Bridge Structure			201	17-May-23	03-Dec-23	17-May-23	03-Dec-23	06-Mar-23	02-Sep-23	-93		
10-2300	Steel Pipe Bridge (Module 1 to Turbine Hall Bld) Erection		90	17-May-23	14-Aug-23	17-May-23	14-Aug-23	06-Mar-23	04-Jun-23	-72	0%	
10-2310	Steel Pipe Bridge (Module 2&3 to Turbine Hall Bld) Erection		90	05-Sep-23	03-Dec-23	05-Sep-23	03-Dec-23	04-Jun-23	02-Sep-23	-93	0%	
EP_SP_66_12-WP-3-M28.11 Architectual Builders Works & Finishes			693	07-Oct-22	29-Aug-24	07-Oct-22	29-Aug-24	23-May-22	25-Apr-24	-127		
EP_SP_66_12-WP-3-M28.11.1 Administration Bld ABWF Works			180	09-Nov-23	06-May-24	09-Nov-23	06-May-24	16-Jul-23	11-Feb-24	-86		
11-1010	Door, Windows and Louvers Installation		150	09-Nov-23	06-Apr-24	09-Nov-23	06-Apr-24	16-Jul-23	13-Dec-23	-116	0%	
11-1020	Metal Railings, Platforms and Misc. Metal Works Installations		150	09-Nov-23	06-Apr-24	09-Nov-23	06-Apr-24	16-Jul-23	13-Dec-23	-116	0%	
11-1030	Internal Wall and Floor Finishes		150	09-Nov-23	06-Apr-24	09-Nov-23	06-Apr-24	16-Jul-23	13-Dec-23	-116	0%	
11-1040	False ceiling and Raise Floor installation		100	28-Jan-24	06-May-24	28-Jan-24	06-May-24	03-Nov-23	11-Feb-24	-86	0%	
11-1050	External Finishes and Roof Waterproofing		120	08-Jan-24	06-May-24	08-Jan-24	06-May-24	14-Oct-23	11-Feb-24	-86	0%	
EP_SP_66_12-WP-3-M28.11.2 Weste Bunker & Tipping Hall Bld ABWF Works			225	20-Jun-23	30-Jan-24	20-Jun-23	30-Jan-24	26-Apr-23	25-Apr-24	85		
11-1060	Door, Roller Shutter, Windows and Louvers Installation		180	20-Jun-23	16-Dec-23	20-Jun-23	16-Dec-23	26-Apr-23	23-Oct-23	-55	0%	
11-1070	Metal Railings, Platforms, Gartings, Cable trench covers Installations		180	05-Jul-23	31-Dec-23	05-Jul-23	31-Dec-23	11-May-23	07-Nov-23	-55	0%	
11-1080	Internal Wall and Floor Finishes		180	05-Jul-23	31-Dec-23	05-Jul-23	31-Dec-23	11-May-23	07-Nov-23	-55	0%	
11-1090	False ceiling and Raise Floor installation		120	03-Sep-23	31-Dec-23	03-Sep-23	31-Dec-23	04-Nov-23	03-Mar-24	62	0%	
11-1100	External Finishes and Roof Waterproofing		180	04-Aug-23	30-Jan-24	04-Aug-23	30-Jan-24	28-Oct-23	25-Apr-24	85	0%	
EP_SP_66_12-WP-3-M28.11.3 Boiler & Flue Gas Bld ABWF Works			240	03-Jan-24	29-Aug-24	03-Jan-24	29-Aug-24	08-Aug-23	25-Apr-24	-127		
11-1110	Door, Roller Shutter, Windows and Louvers Installation		120	03-Jan-24	01-May-24	03-Jan-24	01-May-24	08-Aug-23	06-Dec-23	-148	0%	
11-1120	Metal Railings, Staircase, Platforms & Gartings Installations		210	03-Jan-24	30-Jul-24	03-Jan-24	30-Jul-24	08-Aug-23	05-Mar-24	-148	0%	
11-1130	Internal Wall and Floor Finishes		210	03-Jan-24	30-Jul-24	03-Jan-24	30-Jul-24	08-Aug-23	05-Mar-24	-148	0%	
11-1140	External Finishes and Roof Waterproofing		180	03-Mar-24	29-Aug-24	03-Mar-24	29-Aug-24	28-Oct-23	25-Apr-24	-127	0%	

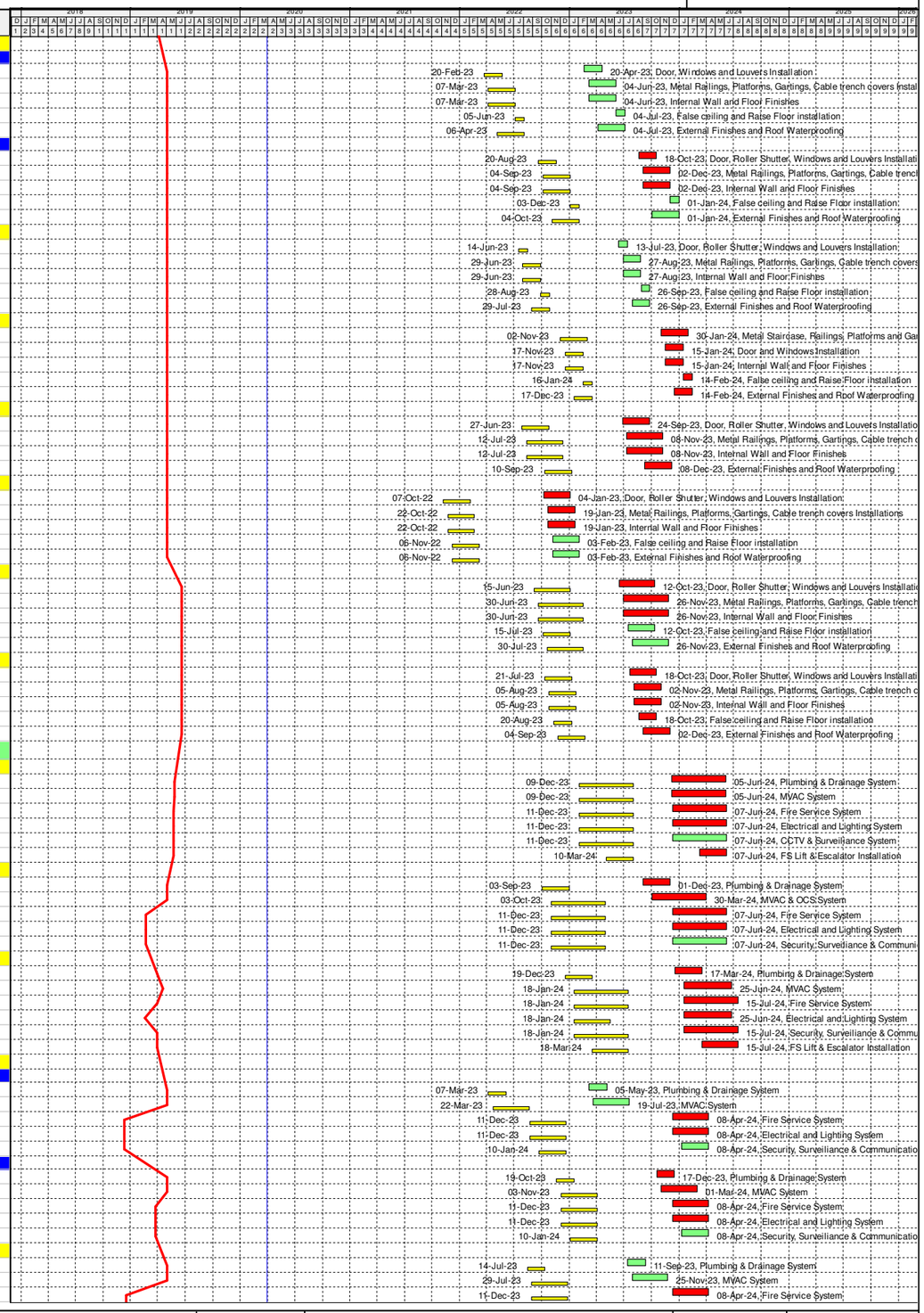


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
EP_SP_66_12-WP-3-M28.11.5	Turbine Hall Bld ABWF Works		316	20-Feb-23	01-Jan-24	20-Feb-23	01-Jan-24	25-Jul-23	25-Apr-24	114		
EP_SP_66_12-WP-3-M28.11.5.1	Electrical Bld ABWF Works		135	20-Feb-23	04-Jul-23	20-Feb-23	04-Jul-23	08-Sep-23	25-Apr-24	295		
11-1150	Door, Windows and Louvers Installation		60	20-Feb-23	20-Apr-23	20-Feb-23	20-Apr-23	08-Sep-23	07-Nov-23	200	0%	
11-1160	Metal Railings, Platforms, Gartings, Cable trench covers Installations		90	07-Mar-23	04-Jun-23	07-Mar-23	04-Jun-23	23-Sep-23	22-Dec-23	200	0%	
11-1170	Internal Wall and Floor Finishes		90	07-Mar-23	04-Jun-23	07-Mar-23	04-Jun-23	23-Sep-23	22-Dec-23	200	0%	
11-1180	False ceiling and Raise Floor installation		30	05-Jun-23	04-Jul-23	05-Jun-23	04-Jul-23	26-Mar-24	25-Apr-24	295	0%	
11-1190	External Finishes and Roof Waterproofing		90	06-Apr-23	04-Jul-23	06-Apr-23	04-Jul-23	26-Jan-24	25-Apr-24	295	0%	
EP_SP_66_12-WP-3-M28.11.5.2	Turbine Hall ABWF Works		135	20-Aug-23	01-Jan-24	20-Aug-23	01-Jan-24	25-Jul-23	05-Feb-24	34		
11-1200	Door, Roller Shutter, Windows and Louvers Installation		60	20-Aug-23	18-Oct-23	20-Aug-23	18-Oct-23	25-Jul-23	23-Sep-23	-26	0%	
11-1210	Metal Railings, Platforms, Gartings, Cable trench covers Installations		90	04-Sep-23	02-Dec-23	04-Sep-23	02-Dec-23	01-Sep-23	30-Nov-23	-3	0%	
11-1220	Internal Wall and Floor Finishes		90	04-Sep-23	02-Dec-23	04-Sep-23	02-Dec-23	01-Sep-23	30-Nov-23	-3	0%	
11-1230	False ceiling and Raise Floor installation		30	03-Dec-23	01-Jan-24	03-Dec-23	01-Jan-24	06-Jan-24	05-Feb-24	34	0%	
11-1240	External Finishes and Roof Waterproofing		90	04-Oct-23	01-Jan-24	04-Oct-23	01-Jan-24	07-Nov-23	05-Feb-24	34	0%	
EP_SP_66_12-WP-3-M28.11.6	Air Compressor Bld ABWF Works		105	14-Jun-23	26-Sep-23	14-Jun-23	26-Sep-23	22-Jun-23	05-Oct-23	8		
11-1250	Door, Roller Shutter, Windows and Louvers Installation		30	14-Jun-23	13-Jul-23	14-Jun-23	13-Jul-23	22-Jun-23	22-Jul-23	8	0%	
11-1260	Metal Railings, Platforms, Gartings, Cable trench covers Installations		60	29-Jun-23	27-Aug-23	29-Jun-23	27-Aug-23	07-Jul-23	05-Sep-23	8	0%	
11-1270	Internal Wall and Floor Finishes		60	29-Jun-23	27-Aug-23	29-Jun-23	27-Aug-23	07-Jul-23	05-Sep-23	8	0%	
11-1280	False ceiling and Raise Floor installation		30	28-Aug-23	26-Sep-23	28-Aug-23	26-Sep-23	05-Sep-23	05-Oct-23	8	0%	
11-1290	External Finishes and Roof Waterproofing		60	29-Jul-23	26-Sep-23	29-Jul-23	26-Sep-23	06-Aug-23	05-Oct-23	8	0%	
EP_SP_66_12-WP-3-M28.11.7	Chimney ABWF Works		105	02-Nov-23	14-Feb-24	02-Nov-23	14-Feb-24	25-Jun-23	08-Oct-23	-130		
11-1000	Metal Staircase, Railings, Platforms and Gartings Installations		90	02-Nov-23	30-Jan-24	02-Nov-23	30-Jan-24	25-Jun-23	23-Sep-23	-130	0%	
11-1490	Door and Windows Installation		60	17-Nov-23	15-Jan-24	17-Nov-23	15-Jan-24	10-Jul-23	08-Sep-23	-130	0%	
11-1500	Internal Wall and Floor Finishes		60	17-Nov-23	15-Jan-24	17-Nov-23	15-Jan-24	10-Jul-23	08-Sep-23	-130	0%	
11-1510	False ceiling and Raise Floor installation		30	16-Jan-24	14-Feb-24	16-Jan-24	14-Feb-24	08-Sep-23	08-Oct-23	-130	0%	
11-1520	External Finishes and Roof Waterproofing		60	17-Dec-23	14-Feb-24	17-Dec-23	14-Feb-24	09-Aug-23	08-Oct-23	-130	0%	
EP_SP_66_12-WP-3-M28.11.8	MT Plant & Desalination Bld ABWF Works		165	27-Jun-23	08-Dec-23	27-Jun-23	08-Dec-23	03-Mar-23	07-Nov-23	-32		
11-1300	Door, Roller Shutter, Windows and Louvers Installation		90	27-Jun-23	24-Sep-23	27-Jun-23	24-Sep-23	03-Mar-23	01-Jun-23	-116	0%	
11-1310	Metal Railings, Platforms, Gartings, Cable trench covers Installations		120	12-Jul-23	08-Nov-23	12-Jul-23	08-Nov-23	18-Mar-23	16-Jul-23	-116	0%	
11-1320	Internal Wall and Floor Finishes		120	12-Jul-23	08-Nov-23	12-Jul-23	08-Nov-23	18-Mar-23	16-Jul-23	-116	0%	
11-1330	External Finishes and Roof Waterproofing		90	10-Sep-23	08-Dec-23	10-Sep-23	08-Dec-23	09-Aug-23	07-Nov-23	-32	0%	
EP_SP_66_12-WP-3-M28.11.9	NWMF Substation ABWF Works		120	07-Oct-22	03-Feb-23	07-Oct-22	03-Feb-23	23-May-22	02-Oct-23	240		
11-1340	Door, Roller Shutter, Windows and Louvers Installation		90	07-Oct-22	04-Jan-23	07-Oct-22	04-Jan-23	23-May-22	21-Aug-22	-137	0%	
11-1350	Metal Railings, Platforms, Gartings, Cable trench covers Installations		90	22-Oct-22	19-Jan-23	22-Oct-22	19-Jan-23	07-Jun-22	05-Sep-22	-137	0%	
11-1360	Internal Wall and Floor Finishes		90	22-Oct-22	19-Jan-23	22-Oct-22	19-Jan-23	07-Jun-22	05-Sep-22	-137	0%	
11-1370	False ceiling and Raise Floor installation		90	06-Nov-22	03-Feb-23	06-Nov-22	03-Feb-23	04-Jul-23	02-Oct-23	240	0%	
11-1380	External Finishes and Roof Waterproofing		90	06-Nov-22	03-Feb-23	06-Nov-22	03-Feb-23	04-Jul-23	02-Oct-23	240	0%	
EP_SP_66_12-WP-3-M28.11.10	Access Ramp Bld ABWF Works		165	15-Jun-23	26-Nov-23	15-Jun-23	26-Nov-23	26-May-23	05-Feb-24	70		
11-1390	Door, Roller Shutter, Windows and Louvers Installation		120	15-Jun-23	12-Oct-23	15-Jun-23	12-Oct-23	26-May-23	23-Sep-23	-20	0%	
11-1400	Metal Railings, Platforms, Gartings, Cable trench covers Installations		150	30-Jun-23	26-Nov-23	30-Jun-23	26-Nov-23	10-Jun-23	07-Nov-23	-20	0%	
11-1410	Internal Wall and Floor Finishes		150	30-Jun-23	26-Nov-23	30-Jun-23	26-Nov-23	10-Jun-23	07-Nov-23	-20	0%	
11-1420	False ceiling and Raise Floor installation		90	15-Jul-23	12-Oct-23	15-Jul-23	12-Oct-23	23-Sep-23	22-Dec-23	70	0%	
11-1430	External Finishes and Roof Waterproofing		120	30-Jul-23	26-Nov-23	30-Jul-23	26-Nov-23	08-Oct-23	05-Feb-24	70	0%	
EP_SP_66_12-WP-3-M28.11.11	Reception Bld ABWF Works		135	21-Jul-23	02-Dec-23	21-Jul-23	02-Dec-23	25-Jun-23	07-Nov-23	-26		
11-1440	Door, Roller Shutter, Windows and Louvers Installation		90	21-Jul-23	18-Oct-23	21-Jul-23	18-Oct-23	25-Jun-23	23-Sep-23	-26	0%	
11-1450	Metal Railings, Platforms, Gartings, Cable trench covers Installations		90	05-Aug-23	02-Nov-23	05-Aug-23	02-Nov-23	10-Jul-23	08-Oct-23	-26	0%	
11-1460	Internal Wall and Floor Finishes		90	05-Aug-23	02-Nov-23	05-Aug-23	02-Nov-23	10-Jul-23	08-Oct-23	-26	0%	
11-1470	False ceiling and Raise Floor installation		60	20-Aug-23	18-Oct-23	20-Aug-23	18-Oct-23	25-Jul-23	23-Sep-23	-26	0%	
11-1480	External Finishes and Roof Waterproofing		90	04-Sep-23	02-Dec-23	04-Sep-23	02-Dec-23	09-Aug-23	07-Nov-23	-26	0%	
EP_SP_66_12-WP-3-M28.12	Building Services Installation		541	19-Feb-23	12-Aug-24	19-Feb-23	12-Aug-24	16-Mar-23	28-Jun-24	-46		
EP_SP_66_12-WP-3-M28.12.1	Administration Bld BS Works		182	09-Dec-23	07-Jun-24	09-Dec-23	07-Jun-24	15-Aug-23	28-Jun-24	20		
12-1000	Plumbing & Drainage System		180	09-Dec-23	05-Jun-24	09-Dec-23	05-Jun-24	15-Aug-23	11-Feb-24	-116	0%	
12-1010	MVAC System		180	09-Dec-23	05-Jun-24	09-Dec-23	05-Jun-24	15-Aug-23	11-Feb-24	-116	0%	
12-1020	Fire Service System		180	11-Dec-23	07-Jun-24	11-Dec-23	07-Jun-24	15-Aug-23	11-Feb-24	-118	0%	
12-1030	Electrical and Lighting System		180	11-Dec-23	07-Jun-24	11-Dec-23	07-Jun-24	15-Aug-23	11-Feb-24	-118	0%	
12-1040	CCTV & Surveillance System		180	11-Dec-23	07-Jun-24	11-Dec-23	07-Jun-24	31-Dec-23	28-Jun-24	20	0%	
12-1050	FS Lift & Escalator Installation		90	10-Mar-24	07-Jun-24	10-Mar-24	07-Jun-24	21-Dec-23	20-Mar-24	-80	0%	
EP_SP_66_12-WP-3-M28.12.2	Weste Bunker & Tipping Hall Bld BS Works		279	03-Sep-23	07-Jun-24	03-Sep-23	07-Jun-24	10-Jul-23	28-Jun-24	20		
12-1060	Plumbing & Drainage System		90	03-Sep-23	01-Dec-23	03-Sep-23	01-Dec-23	10-Jul-23	08-Oct-23	-55	0%	
12-1070	MVAC & OCS System		180	03-Oct-23	30-Mar-24	03-Oct-23	30-Mar-24	09-Aug-23	05-Feb-24	-55	0%	
12-1080	Fire Service System		180	11-Dec-23	07-Jun-24	11-Dec-23	07-Jun-24	09-Aug-23	05-Feb-24	-124	0%	
12-1090	Electrical and Lighting System		180	11-Dec-23	07-Jun-24	11-Dec-23	07-Jun-24	09-Aug-23	05-Feb-24	-124	0%	
12-1100	Security, Surveillance & Communication System		180	11-Dec-23	07-Jun-24	11-Dec-23	07-Jun-24	31-Dec-23	28-Jun-24	20	0%	
EP_SP_66_12-WP-3-M28.12.3	Boiler & Flue Gas Bld BS Works		210	19-Dec-23	15-Jul-24	19-Dec-23	15-Jul-24	24-Jul-23	28-Jun-24	-18		
12-1110	Plumbing & Drainage System		90	19-Dec-23	17-Mar-24	19-Dec-23	17-Mar-24	24-Jul-23	22-Oct-23	-148	0%	
12-1120	MVAC System		160	18-Jan-24	25-Jun-24	18-Jan-24	25-Jun-24	23-Aug-23	30-Jan-24	-148	0%	
12-1130	Fire Service System		180	18-Jan-24	15-Jul-24	18-Jan-24	15-Jul-24	23-Aug-23	19-Feb-24	-148	0%	
12-1140	Electrical and Lighting System		160	18-Jan-24	25-Jun-24	18-Jan-24	25-Jun-24	04-Sep-23	11-Feb-24	-136	0%	
12-1150	Security, Surveillance & Communication System		180	18-Jan-24	15-Jul-24	18-Jan-24	15-Jul-24	31-Dec-23	28-Jun-24	-18	0%	
12-1160	FS Lift & Escalator Installation		120	18-Mar-24	15-Jul-24	18-Mar-24	15-Jul-24	21-Nov-23	20-Mar-24	-118	0%	
EP_SP_66_12-WP-3-M28.12.5	Turbine Hall Bld BS Works		399	07-Mar-23	08-Apr-24	07-Mar-23	08-Apr-24	23-Sep-23	28-Jun-24	80		
EP_SP_66_12-WP-3-M28.12.5.1	Electrical Bld BS Works		399	07-Mar-23	08-Apr-24	07-Mar-23	08-Apr-24	23-Sep-23	28-Jun-24	80		
12-1270	Plumbing & Drainage System		60	07-Mar-23	05-May-23	07-Mar-23	05-May-23	23-Sep-23	22-Nov-23	200	0%	
12-1280	MVAC System		120	22-Mar-23	19-Jul-23	22-Mar-23	19-Jul-23	08-Oct-23	05-Feb-24	200	0%	
12-1290	Fire Service System		120	11-Dec-23	08-Apr-24	11-Dec-23	08-Apr-24	08-Oct-23	05-Feb-24	-64	0%	
12-1300	Electrical and Lighting System		120	11-Dec-23	08-Apr-24	11-Dec-23	08-Apr-24	14-Oct-23	11-Feb-24	-58	0%	
12-1310	Security, Surveillance & Communication System		90	10-Jan-24	08-Apr-24	10-Jan-24	08-Apr-24	30-Mar-24	28-Jun-24	80	0%	
EP_SP_66_12-WP-3-M28.12.5.2	Turbine Hall BS Works		173	19-Oct-23	08-Apr-24	19-Oct-23	08-Apr-24	23-Sep-23	28-Jun-24	80		
12-1320	Plumbing & Drainage System		60	19-Oct-23	17-Dec-23	19-Oct-23	17-Dec-23	23-Sep-23	22-Nov-23	-26	0%	
12-1330	MVAC System		120	03-Nov-23	01-Mar-24	03-Nov-23	01-Mar-24	08-Oct-23	05-Feb-24	-26	0%	
12-1340	Fire Service System		120	11-Dec-23	08-Apr-24	11-Dec-23	08-Apr-24	08-Oct-23	05-Feb-24	-64	0%	
12-1350	Electrical and Lighting System		120	11-Dec-23	08-Apr-24	11-Dec-23	08-Apr-24	14-Oct-23	11-Feb-24	-58	0%	
12-1360	Security, Surveillance & Communication System		90	10-Jan-24	08-Apr-24	10-Jan-24	08-Apr-24	30-Mar-24	28-Jun-24	80	0%	
EP_SP_66_12-WP-3-M28.12.6	Air Compressor Bld BS Works		270	14-Jul-23	08-Apr-24	14-Jul-23	08-Apr-24	23-Sep-23	28-Jun-24	80		
12-1370	Plumbing & Drainage System		60	14-Jul-23	11-Sep-23	14-Jul-23	11-Sep-23	23-Sep-23	22-Nov-23	71	0%	
12-1380	MVAC System		120	29-Jul-23	25-Nov-23	29-Jul-23	25-Nov-23	08-Oct-23	05-Feb-24	71	0%	
12-1390	Fire Service System		120	11-Dec-23	08-Apr-24	11-Dec-23	08-Apr-24	08-Oct-23	05-Feb-24	-64	0%	

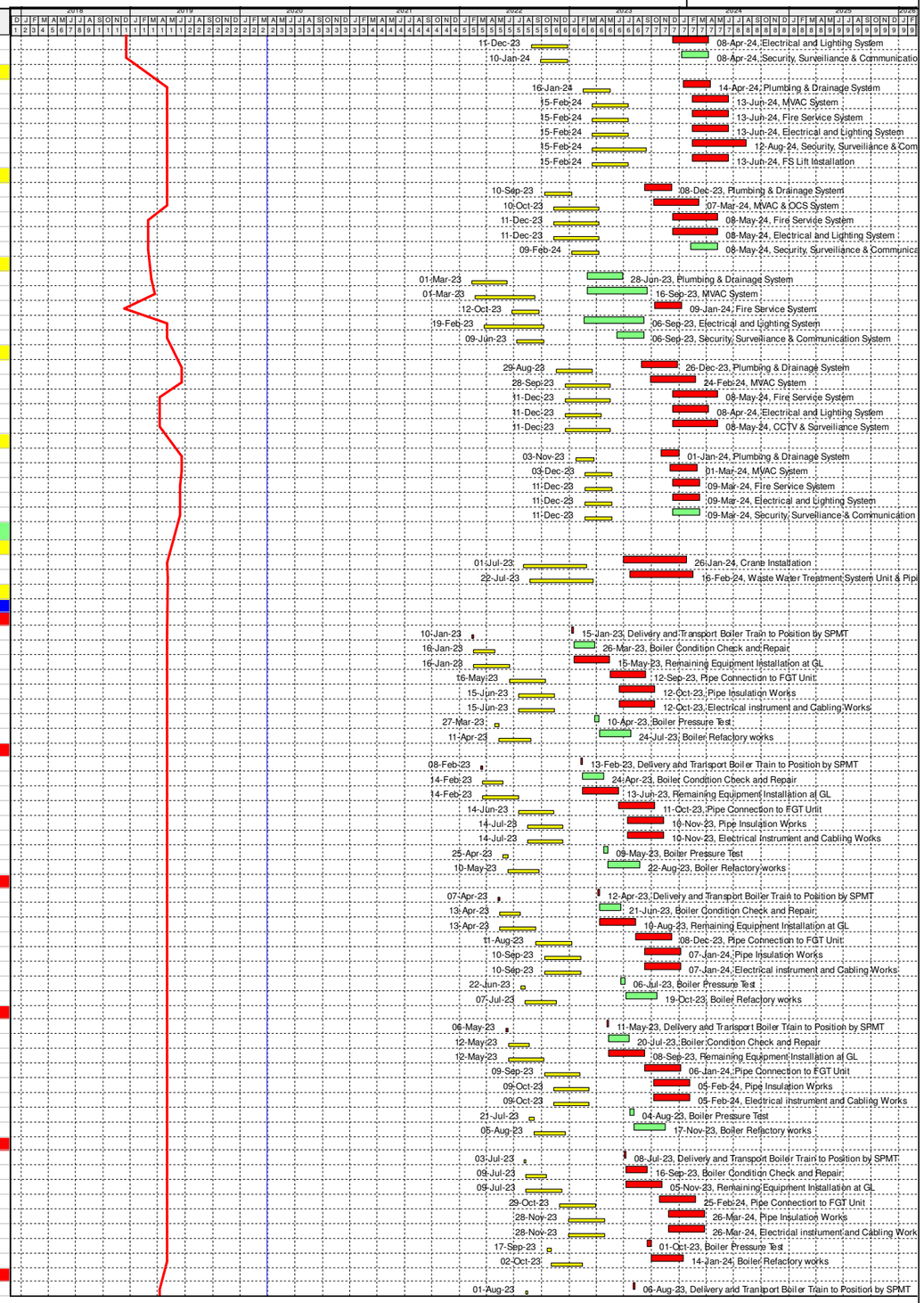


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
12-1400	Electrical and Lighting System		120	11-Dec-23	08-Apr-24	11-Dec-23	08-Apr-24	08-Oct-23	05-Feb-24	-64	0%	
12-1410	Security, Surveillance & Communication System		90	10-Jan-24	08-Apr-24	10-Jan-24	08-Apr-24	30-Mar-24	28-Jun-24	80	0%	
EP_SP_66_12-WP-3-M28.12.4 Chimney BS Works			**210**	**16-Jan-24**	**12-Aug-24**	**16-Jan-24**	**12-Aug-24**	**08-Sep-23**	**28-Jun-24**	**-46**		
12-1520	Plumbing & Drainage System		90	16-Jan-24	14-Apr-24	16-Jan-24	14-Apr-24	08-Sep-23	07-Dec-23	-130	0%	
12-1530	MVAC System		120	15-Feb-24	13-Jun-24	15-Feb-24	13-Jun-24	08-Oct-23	05-Feb-24	-130	0%	
12-1540	Fire Service System		120	15-Feb-24	13-Jun-24	15-Feb-24	13-Jun-24	08-Oct-23	05-Feb-24	-130	0%	
12-1550	Electrical and Lighting System		120	15-Feb-24	13-Jun-24	15-Feb-24	13-Jun-24	08-Oct-23	05-Feb-24	-130	0%	
12-1560	Security, Surveillance & Communication System		180	15-Feb-24	12-Aug-24	15-Feb-24	12-Aug-24	31-Dec-23	28-Jun-24	-46	0%	
12-1570	FS Lift Installation		120	15-Feb-24	13-Jun-24	15-Feb-24	13-Jun-24	21-Nov-23	20-Mar-24	-86	0%	
EP_SP_66_12-WP-3-M28.12.8 MT Plant & Desalination Bld BS Works			**242**	**10-Sep-23**	**08-May-24**	**10-Sep-23**	**08-May-24**	**27-Aug-23**	**28-Jun-24**	**50**		
12-1420	Plumbing & Drainage System		90	10-Sep-23	08-Dec-23	10-Sep-23	08-Dec-23	27-Aug-23	25-Nov-23	-14	0%	
12-1430	MVAC & OCS System		150	10-Oct-23	07-Mar-24	10-Oct-23	07-Mar-24	08-Sep-23	05-Feb-24	-32	0%	
12-1440	Fire Service System		150	11-Dec-23	08-May-24	11-Dec-23	08-May-24	08-Sep-23	05-Feb-24	-94	0%	
12-1450	Electrical and Lighting System		150	11-Dec-23	08-May-24	11-Dec-23	08-May-24	08-Sep-23	05-Feb-24	-94	0%	
12-1460	Security, Surveillance & Communication System		90	09-Feb-24	08-May-24	09-Feb-24	08-May-24	30-Mar-24	28-Jun-24	50	0%	
EP_SP_66_12-WP-3-M28.12.9 IWMF Substation BS Works			**325**	**19-Feb-23**	**09-Jan-24**	**19-Feb-23**	**09-Jan-24**	**16-Mar-23**	**02-Oct-23**	**-100**		
12-1470	Plumbing & Drainage System		120	01-Mar-23	28-Jun-23	01-Mar-23	28-Jun-23	04-Jun-23	02-Oct-23	95	0%	
12-1480	MVAC System		200	01-Mar-23	16-Sep-23	01-Mar-23	16-Sep-23	16-Mar-23	02-Oct-23	15	0%	
12-1490	Fire Service System		90	12-Oct-23	09-Jan-24	12-Oct-23	09-Jan-24	04-Jul-23	02-Oct-23	-100	0%	
12-1500	Electrical and Lighting System		200	19-Feb-23	06-Sep-23	19-Feb-23	06-Sep-23	16-Mar-23	02-Oct-23	25	0%	
12-1510	Security, Surveillance & Communication System		90	09-Jun-23	06-Sep-23	09-Jun-23	06-Sep-23	04-Jul-23	02-Oct-23	25	0%	
EP_SP_66_12-WP-3-M28.12.10 Access Ramp Bld BS Works			**254**	**29-Aug-23**	**08-May-24**	**29-Aug-23**	**08-May-24**	**09-Aug-23**	**19-Mar-24**	**-51**		
12-1170	Plumbing & Drainage System		120	29-Aug-23	26-Dec-23	29-Aug-23	26-Dec-23	09-Aug-23	07-Dec-23	-20	0%	
12-1180	MVAC System		150	28-Sep-23	24-Feb-24	28-Sep-23	24-Feb-24	08-Sep-23	05-Feb-24	-20	0%	
12-1190	Fire Service System		150	11-Dec-23	08-May-24	11-Dec-23	08-May-24	08-Sep-23	05-Feb-24	-94	0%	
12-1200	Electrical and Lighting System		120	11-Dec-23	08-Apr-24	11-Dec-23	08-Apr-24	08-Oct-23	05-Feb-24	-64	0%	
12-1210	CCTV & Surveillance System		150	11-Dec-23	08-May-24	11-Dec-23	08-May-24	21-Oct-23	19-Mar-24	-51	0%	
EP_SP_66_12-WP-3-M28.12.11 Reception Bld BS Works			**128**	**03-Nov-23**	**09-Mar-24**	**03-Nov-23**	**09-Mar-24**	**08-Oct-23**	**28-Jun-24**	**110**		
12-1220	Plumbing & Drainage System		60	03-Nov-23	01-Jan-24	03-Nov-23	01-Jan-24	08-Oct-23	07-Dec-23	-26	0%	
12-1230	MVAC System		90	03-Dec-23	01-Mar-24	03-Dec-23	01-Mar-24	07-Nov-23	05-Feb-24	-26	0%	
12-1240	Fire Service System		90	11-Dec-23	09-Mar-24	11-Dec-23	09-Mar-24	07-Nov-23	05-Feb-24	-34	0%	
12-1250	Electrical and Lighting System		90	11-Dec-23	09-Mar-24	11-Dec-23	09-Mar-24	07-Nov-23	05-Feb-24	-34	0%	
12-1260	Security, Surveillance & Communication System		90	11-Dec-23	09-Mar-24	11-Dec-23	09-Mar-24	30-Mar-24	28-Jun-24	110	0%	
EP_SP_66_12-WP-3-M28.13 Process Equipment Installation			**650**	**10-Jan-23**	**20-Oct-24**	**10-Jan-23**	**20-Oct-24**	**15-Aug-22**	**23-Aug-24**	**-59**		
EP_SP_66_12-WP-3-M28.13.2 Waste Bunker & Tipping Hall Bld Process Equipment Installation			**231**	**01-Jul-23**	**16-Feb-24**	**01-Jul-23**	**16-Feb-24**	**27-May-23**	**06-Jan-24**	**-42**		
13-1000	Crane Installation		210	01-Jul-23	26-Jan-24	01-Jul-23	26-Jan-24	10-Jun-23	06-Jan-24	-21	0%	
13-1010	Waste Water Treatment System Unit & Piping Installation		210	22-Jul-23	16-Feb-24	22-Jul-23	16-Feb-24	27-May-23	23-Dec-23	-56	0%	
EP_SP_66_12-WP-3-M28.13.3 Boiler House & Flue Gas Treatment Bld Process Equipment Installation			**529**	**10-Jan-23**	**21-Jun-24**	**10-Jan-23**	**21-Jun-24**	**15-Aug-22**	**02-Apr-24**	**-81**		
EP_SP_66_12-WP-3-M28.13.3.1 Installation TPU Module			**464**	**10-Jan-23**	**17-Apr-24**	**10-Jan-23**	**17-Apr-24**	**15-Aug-22**	**04-Dec-23**	**-136**		
EP_SP_66_12-WP-3-M28.13.3.1.1 TPU Train 1			**276**	**10-Jan-23**	**12-Oct-23**	**10-Jan-23**	**12-Oct-23**	**15-Aug-22**	**09-Oct-23**	**-4**		
13-1030	Delivery and Transport Boiler Train to Position by SPMT		6	10-Jan-23	15-Jan-23	10-Jan-23	15-Jan-23	15-Aug-22	21-Aug-22	-148	0%	
13-1040	Boiler Condition Check and Repair		70	16-Jan-23	26-Mar-23	16-Jan-23	26-Mar-23	02-Apr-23	11-Jun-23	76	0%	
13-1050	Remaining Equipment Installation at GL		120	16-Jan-23	15-May-23	16-Jan-23	15-May-23	12-Jan-23	12-May-23	-4	0%	
13-1060	Pipe Connection to FGT Unit		120	16-May-23	12-Sep-23	16-May-23	12-Sep-23	12-May-23	09-Sep-23	-4	0%	
13-1070	Pipe Insulation Works		120	15-Jun-23	12-Oct-23	15-Jun-23	12-Oct-23	11-Jun-23	09-Oct-23	-4	0%	
13-1080	Electrical instrument and Cabling Works		120	15-Jun-23	12-Oct-23	15-Jun-23	12-Oct-23	11-Jun-23	09-Oct-23	-4	0%	
13-1090	Boiler Pressure Test		15	27-Mar-23	10-Apr-23	27-Mar-23	10-Apr-23	11-Jun-23	26-Jun-23	76	0%	
13-1100	Boiler Refactory works		105	11-Apr-23	24-Jul-23	11-Apr-23	24-Jul-23	26-Jun-23	09-Oct-23	76	0%	
EP_SP_66_12-WP-3-M28.13.3.1.2 TPU Train 2			**276**	**08-Feb-23**	**10-Nov-23**	**08-Feb-23**	**10-Nov-23**	**13-Sep-22**	**09-Oct-23**	**-33**		
13-1120	Delivery and Transport Boiler Train to Position by SPMT		6	08-Feb-23	13-Feb-23	08-Feb-23	13-Feb-23	13-Sep-22	19-Sep-22	-148	0%	
13-1130	Boiler Condition Check and Repair		70	14-Feb-23	24-Apr-23	14-Feb-23	24-Apr-23	02-Apr-23	11-Jun-23	47	0%	
13-1140	Remaining Equipment Installation at GL		120	14-Feb-23	13-Jun-23	14-Feb-23	13-Jun-23	12-Jan-23	12-May-23	-33	0%	
13-1150	Pipe Connection to FGT Unit		120	14-Jun-23	11-Oct-23	14-Jun-23	11-Oct-23	12-May-23	09-Sep-23	-33	0%	
13-1160	Pipe Insulation Works		120	14-Jul-23	10-Nov-23	14-Jul-23	10-Nov-23	11-Jun-23	09-Oct-23	-33	0%	
13-1170	Electrical instrument and Cabling Works		120	14-Jul-23	10-Nov-23	14-Jul-23	10-Nov-23	11-Jun-23	09-Oct-23	-33	0%	
13-1180	Boiler Pressure Test		15	25-Apr-23	09-May-23	25-Apr-23	09-May-23	11-Jun-23	26-Jun-23	47	0%	
13-1190	Boiler Refactory works		105	10-May-23	22-Aug-23	10-May-23	22-Aug-23	26-Jun-23	09-Oct-23	47	0%	
EP_SP_66_12-WP-3-M28.13.3.1.3 TPU Train 3			**276**	**07-Apr-23**	**07-Jan-24**	**07-Apr-23**	**07-Jan-24**	**10-Nov-22**	**01-Dec-23**	**-38**		
13-1210	Delivery and Transport Boiler Train to Position by SPMT		6	07-Apr-23	12-Apr-23	07-Apr-23	12-Apr-23	10-Nov-22	16-Nov-22	-148	0%	
13-1220	Boiler Condition Check and Repair		70	13-Apr-23	21-Jun-23	13-Apr-23	21-Jun-23	25-May-23	03-Aug-23	42	0%	
13-1230	Remaining Equipment Installation at GL		120	13-Apr-23	10-Aug-23	13-Apr-23	10-Aug-23	06-Mar-23	04-Jul-23	-38	0%	
13-1240	Pipe Connection to FGT Unit		120	11-Aug-23	08-Dec-23	11-Aug-23	08-Dec-23	04-Jul-23	01-Nov-23	-38	0%	
13-1250	Pipe Insulation Works		120	10-Sep-23	07-Jan-24	10-Sep-23	07-Jan-24	03-Aug-23	01-Dec-23	-38	0%	
13-1260	Electrical instrument and Cabling Works		120	10-Sep-23	07-Jan-24	10-Sep-23	07-Jan-24	03-Aug-23	01-Dec-23	-38	0%	
13-1270	Boiler Pressure Test		15	22-Jun-23	06-Jul-23	22-Jun-23	06-Jul-23	03-Aug-23	18-Aug-23	42	0%	
13-1280	Boiler Refactory works		105	07-Jul-23	19-Oct-23	07-Jul-23	19-Oct-23	18-Aug-23	01-Dec-23	42	0%	
EP_SP_66_12-WP-3-M28.13.3.1.4 TPU Train 4			**276**	**06-May-23**	**05-Feb-24**	**06-May-23**	**05-Feb-24**	**09-Dec-22**	**01-Dec-23**	**-67**		
13-1300	Delivery and Transport Boiler Train to Position by SPMT		6	06-May-23	11-May-23	06-May-23	11-May-23	09-Dec-22	15-Dec-22	-148	0%	
13-1310	Boiler Condition Check and Repair		70	12-May-23	20-Jul-23	12-May-23	20-Jul-23	25-May-23	03-Aug-23	13	0%	
13-1320	Remaining Equipment Installation at GL		120	12-May-23	08-Sep-23	12-May-23	08-Sep-23	06-Mar-23	04-Jul-23	-67	0%	
13-1330	Pipe Connection to FGT Unit		120	09-Sep-23	06-Jan-24	09-Sep-23	06-Jan-24	04-Jul-23	01-Nov-23	-67	0%	
13-1340	Pipe Insulation Works		120	09-Oct-23	05-Feb-24	09-Oct-23	05-Feb-24	03-Aug-23	01-Dec-23	-67	0%	
13-1350	Electrical instrument and Cabling Works		120	09-Oct-23	05-Feb-24	09-Oct-23	05-Feb-24	03-Aug-23	01-Dec-23	-67	0%	
13-1360	Boiler Pressure Test		15	21-Jul-23	04-Aug-23	21-Jul-23	04-Aug-23	03-Aug-23	18-Aug-23	13	0%	
13-1370	Boiler Refactory works		105	05-Aug-23	17-Nov-23	05-Aug-23	17-Nov-23	18-Aug-23	01-Dec-23	13	0%	
EP_SP_66_12-WP-3-M28.13.3.1.5 TPU Train 5			**268**	**03-Jul-23**	**26-Mar-24**	**03-Jul-23**	**26-Mar-24**	**05-Feb-23**	**04-Dec-23**	**-114**		
13-1390	Delivery and Transport Boiler Train to Position by SPMT		6	03-Jul-23	08-Jul-23	03-Jul-23	08-Jul-23	05-Feb-23	11-Feb-23	-148	0%	
13-1400	Boiler Condition Check and Repair		70	09-Jul-23	16-Sep-23	09-Jul-23	16-Sep-23	28-May-23	06-Aug-23	-42	0%	
13-1410	Remaining Equipment Installation at GL		120	09-Jul-23	05-Nov-23	09-Jul-23	05-Nov-23	17-Mar-23	15-Jul-23	-114	0%	
13-1420	Pipe Connection to FGT Unit		120	29-Oct-23	25-Feb-24	29-Oct-23	25-Feb-24	07-Jul-23	04-Nov-23	-114	0%	
13-1430	Pipe Insulation Works		120	28-Nov-23	26-Mar-24	28-Nov-23	26-Mar-24	06-Aug-23	04-Dec-23	-114	0%	
13-1440	Electrical instrument and Cabling Works		120	28-Nov-23	26-Mar-24	28-Nov-23	26-Mar-24	06-Aug-23	04-Dec-23	-114	0%	
13-1450	Boiler Pressure Test		15	17-Sep-23	01-Oct-23	17-Sep-23	01-Oct-23	06-Aug-23	21-Aug-23	-42	0%	
13-1460	Boiler Refactory works		105	02-Oct-23	14-Jan-24	02-Oct-23	14-Jan-24	21-Aug-23	04-Dec-23	-42	0%	
EP_SP_66_12-WP-3-M28.13.3.1.6 TPU Train 6			**261**	**01-Aug-23**	**17-Apr-24**	**01-Aug-23**	**17-Apr-24**	**06-Mar-23**	**04-Dec-23**	**-136**		
13-1480	Delivery and Transport Boiler Train to Position by SPMT		6	01-Aug-23	06-Aug-23	01-Aug-23	06-Aug-23	06-Mar-23	12-Mar-23	-148	0%	

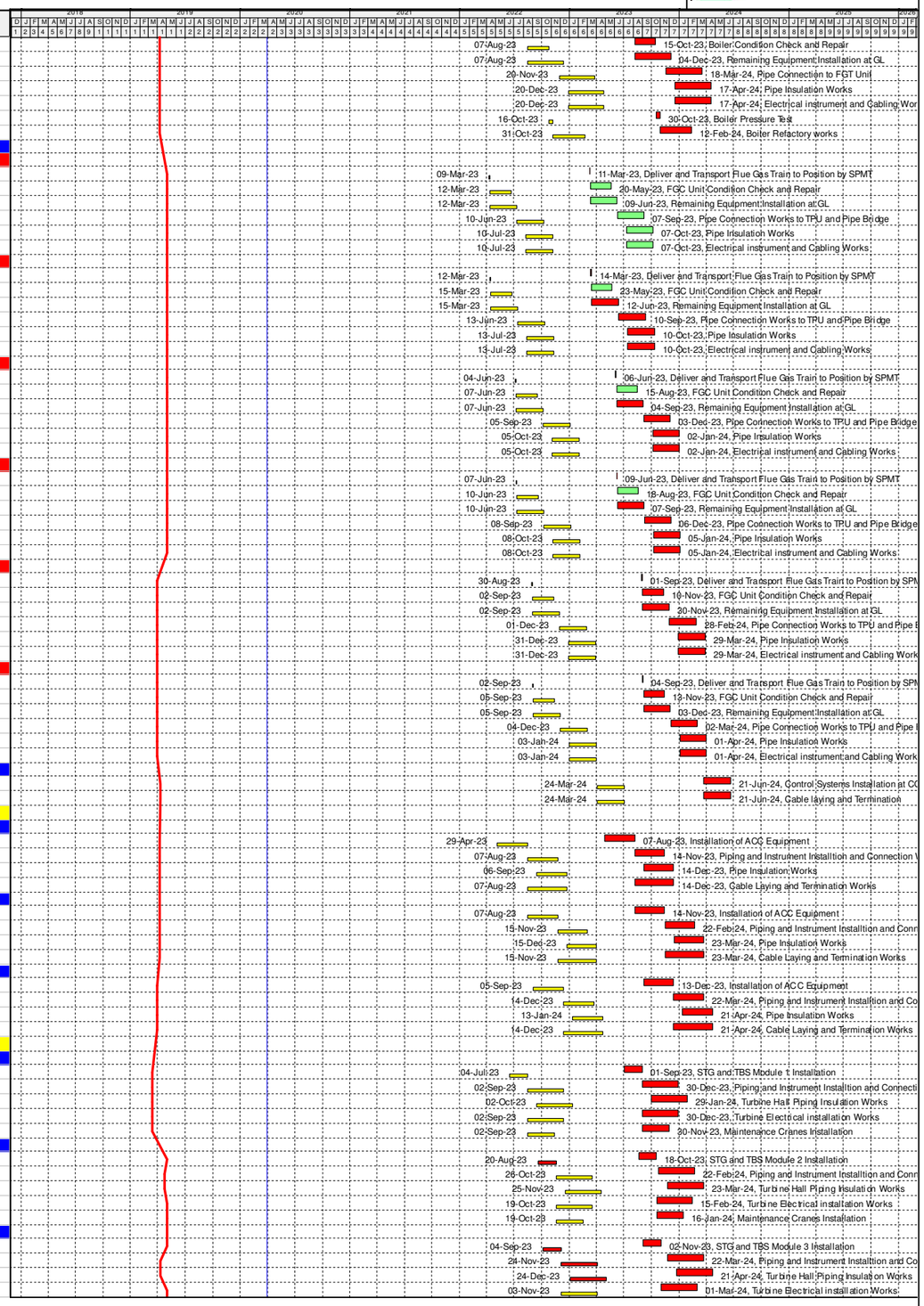


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
13-1490	Boiler Condition Check and Repair		70	07-Aug-23	15-Oct-23	07-Aug-23	15-Oct-23	16-May-23	25-Jul-23	-83	0%	
13-1500	Remaining Equipment Installation at GL		120	07-Aug-23	04-Dec-23	07-Aug-23	04-Dec-23	24-Mar-23	22-Jul-23	-136	0%	
13-1510	Pipe Connection to FGT Unit		120	20-Nov-23	18-Mar-24	20-Nov-23	18-Mar-24	07-Jul-23	04-Nov-23	-136	0%	
13-1520	Pipe Insulation Works		120	20-Dec-23	17-Apr-24	20-Dec-23	17-Apr-24	06-Aug-23	04-Dec-23	-136	0%	
13-1530	Electrical instrument and Cabling Works		120	20-Dec-23	17-Apr-24	20-Dec-23	17-Apr-24	06-Aug-23	04-Dec-23	-136	0%	
13-1540	Boiler Pressure Test		15	16-Oct-23	30-Oct-23	16-Oct-23	30-Oct-23	25-Jul-23	09-Aug-23	-83	0%	
13-1550	Boiler Refactory works		105	31-Oct-23	12-Feb-24	31-Oct-23	12-Feb-24	10-Aug-23	23-Nov-23	-82	0%	
EP_SP_66_12-WP-3-M28.13.3.2 Installation of Flue Gas Module			390	09-Mar-23	01-Apr-24	09-Mar-23	01-Apr-24	12-Oct-22	04-Dec-23	-120		
EP_SP_66_12-WP-3-M28.13.3.2.1 FGC Train 1			213	09-Mar-23	07-Oct-23	09-Mar-23	07-Oct-23	12-Oct-22	09-Oct-23	1		
13-1570	Deliver and Transport Flue Gas Train to Position by SPMT		3	09-Mar-23	11-Mar-23	09-Mar-23	11-Mar-23	12-Oct-22	15-Oct-22	-148	0%	
13-1580	FGC Unit Condition Check and Repair		70	12-Mar-23	20-May-23	12-Mar-23	20-May-23	02-May-23	11-Jul-23	51	0%	
13-1590	Remaining Equipment Installation at GL		90	12-Mar-23	09-Jun-23	12-Mar-23	09-Jun-23	13-Mar-23	11-Jun-23	1	0%	
13-1600	Pipe Connection Works to TPU and Pipe Bridge		90	10-Jun-23	07-Sep-23	10-Jun-23	07-Sep-23	11-Jun-23	09-Sep-23	1	0%	
13-1610	Pipe Insulation Works		90	10-Jul-23	07-Oct-23	10-Jul-23	07-Oct-23	11-Jul-23	09-Oct-23	1	0%	
13-1620	Electrical instrument and Cabling Works		90	10-Jul-23	07-Oct-23	10-Jul-23	07-Oct-23	11-Jul-23	09-Oct-23	1	0%	
EP_SP_66_12-WP-3-M28.13.3.2.2 FGC Train 2			213	12-Mar-23	10-Oct-23	12-Mar-23	10-Oct-23	15-Oct-22	09-Oct-23	-2		
13-1640	Deliver and Transport Flue Gas Train to Position by SPMT		3	12-Mar-23	14-Mar-23	12-Mar-23	14-Mar-23	15-Oct-22	18-Oct-22	-148	0%	
13-1650	FGC Unit Condition Check and Repair		70	15-Mar-23	23-May-23	15-Mar-23	23-May-23	02-May-23	11-Jul-23	48	0%	
13-1660	Remaining Equipment Installation at GL		90	15-Mar-23	12-Jun-23	15-Mar-23	12-Jun-23	13-Mar-23	11-Jun-23	-2	0%	
13-1670	Pipe Connection Works to TPU and Pipe Bridge		90	13-Jun-23	10-Sep-23	13-Jun-23	10-Sep-23	11-Jun-23	09-Sep-23	-2	0%	
13-1680	Pipe Insulation Works		90	13-Jul-23	10-Oct-23	13-Jul-23	10-Oct-23	11-Jul-23	09-Oct-23	-2	0%	
13-1690	Electrical instrument and Cabling Works		90	13-Jul-23	10-Oct-23	13-Jul-23	10-Oct-23	11-Jul-23	09-Oct-23	-2	0%	
EP_SP_66_12-WP-3-M28.13.3.2.3 FGC Train 3			213	04-Jun-23	02-Jan-24	04-Jun-23	02-Jan-24	07-Jan-23	01-Dec-23	-33		
13-1710	Deliver and Transport Flue Gas Train to Position by SPMT		3	04-Jun-23	06-Jun-23	04-Jun-23	06-Jun-23	07-Jan-23	10-Jan-23	-148	0%	
13-1720	FGC Unit Condition Check and Repair		70	07-Jun-23	15-Aug-23	07-Jun-23	15-Aug-23	24-Jun-23	02-Sep-23	17	0%	
13-1730	Remaining Equipment Installation at GL		90	07-Jun-23	04-Sep-23	07-Jun-23	04-Sep-23	05-May-23	03-Aug-23	-33	0%	
13-1740	Pipe Connection Works to TPU and Pipe Bridge		90	05-Sep-23	03-Dec-23	05-Sep-23	03-Dec-23	03-Aug-23	01-Nov-23	-33	0%	
13-1750	Pipe Insulation Works		90	05-Oct-23	02-Jan-24	05-Oct-23	02-Jan-24	02-Sep-23	01-Dec-23	-33	0%	
13-1760	Electrical instrument and Cabling Works		90	05-Oct-23	02-Jan-24	05-Oct-23	02-Jan-24	02-Sep-23	01-Dec-23	-33	0%	
EP_SP_66_12-WP-3-M28.13.3.2.4 FGC Train 4			213	07-Jun-23	05-Jan-24	07-Jun-23	05-Jan-24	10-Jan-23	01-Dec-23	-36		
13-1780	Deliver and Transport Flue Gas Train to Position by SPMT		3	07-Jun-23	09-Jun-23	07-Jun-23	09-Jun-23	10-Jan-23	13-Jan-23	-148	0%	
13-1790	FGC Unit Condition Check and Repair		70	10-Jun-23	18-Aug-23	10-Jun-23	18-Aug-23	24-Jun-23	02-Sep-23	14	0%	
13-1800	Remaining Equipment Installation at GL		90	10-Jun-23	07-Sep-23	10-Jun-23	07-Sep-23	05-May-23	03-Aug-23	-36	0%	
13-1810	Pipe Connection Works to TPU and Pipe Bridge		90	08-Sep-23	06-Dec-23	08-Sep-23	06-Dec-23	03-Aug-23	01-Nov-23	-36	0%	
13-1820	Pipe Insulation Works		90	08-Oct-23	05-Jan-24	08-Oct-23	05-Jan-24	02-Sep-23	01-Dec-23	-36	0%	
13-1830	Electrical instrument and Cabling Works		90	08-Oct-23	05-Jan-24	08-Oct-23	05-Jan-24	02-Sep-23	01-Dec-23	-36	0%	
EP_SP_66_12-WP-3-M28.13.3.2.5 FGC Train 5			213	30-Aug-23	29-Mar-24	30-Aug-23	29-Mar-24	04-Apr-23	04-Dec-23	-117		
13-1850	Deliver and Transport Flue Gas Train to Position by SPMT		3	30-Aug-23	01-Sep-23	30-Aug-23	01-Sep-23	04-Apr-23	07-Apr-23	-148	0%	
13-1860	FGC Unit Condition Check and Repair		70	02-Sep-23	10-Nov-23	02-Sep-23	10-Nov-23	27-Jun-23	05-Sep-23	-67	0%	
13-1870	Remaining Equipment Installation at GL		90	02-Sep-23	30-Nov-23	02-Sep-23	30-Nov-23	08-May-23	06-Aug-23	-117	0%	
13-1880	Pipe Connection Works to TPU and Pipe Bridge		90	01-Dec-23	28-Feb-24	01-Dec-23	28-Feb-24	06-Aug-23	04-Nov-23	-117	0%	
13-1890	Pipe Insulation Works		90	31-Dec-23	29-Mar-24	31-Dec-23	29-Mar-24	05-Sep-23	04-Dec-23	-117	0%	
13-1900	Electrical instrument and Cabling Works		90	31-Dec-23	29-Mar-24	31-Dec-23	29-Mar-24	05-Sep-23	04-Dec-23	-117	0%	
EP_SP_66_12-WP-3-M28.13.3.2.6 FGC Train 6			213	02-Sep-23	01-Apr-24	02-Sep-23	01-Apr-24	07-Apr-23	04-Dec-23	-120		
13-1920	Deliver and Transport Flue Gas Train to Position by SPMT		3	02-Sep-23	04-Sep-23	02-Sep-23	04-Sep-23	07-Apr-23	10-Apr-23	-148	0%	
13-1930	FGC Unit Condition Check and Repair		70	05-Sep-23	13-Nov-23	05-Sep-23	13-Nov-23	27-Jun-23	05-Sep-23	-70	0%	
13-1940	Remaining Equipment Installation at GL		90	05-Sep-23	03-Dec-23	05-Sep-23	03-Dec-23	08-May-23	06-Aug-23	-120	0%	
13-1950	Pipe Connection Works to TPU and Pipe Bridge		90	04-Dec-23	02-Mar-24	04-Dec-23	02-Mar-24	06-Aug-23	04-Nov-23	-120	0%	
13-1960	Pipe Insulation Works		90	03-Jan-24	01-Apr-24	03-Jan-24	01-Apr-24	05-Sep-23	04-Dec-23	-120	0%	
13-1970	Electrical instrument and Cabling Works		90	03-Jan-24	01-Apr-24	03-Jan-24	01-Apr-24	05-Sep-23	04-Dec-23	-120	0%	
EP_SP_66_12-WP-3-M28.13.3.3 Central Control System Installation			90	24-Mar-24	21-Jun-24	24-Mar-24	21-Jun-24	03-Jan-24	02-Apr-24	-81		
13-1980	Control Systems Installation at CCR		90	24-Mar-24	21-Jun-24	24-Mar-24	21-Jun-24	03-Jan-24	02-Apr-24	-81	0%	
13-1990	Cable laying and Termination		90	24-Mar-24	21-Jun-24	24-Mar-24	21-Jun-24	03-Jan-24	02-Apr-24	-81	0%	
EP_SP_66_12-WP-3-M28.13.4 ACC Area Equipment Installation			359	29-Apr-23	21-Apr-24	29-Apr-23	21-Apr-24	01-Feb-23	04-Dec-23	-140		
EP_SP_66_12-WP-3-M28.13.4.1 ACC Unit 1 Installation			230	29-Apr-23	14-Dec-23	29-Apr-23	14-Dec-23	01-Feb-23	09-Oct-23	-67		
13-2000	Installation of ACC Equipment		100	29-Apr-23	07-Aug-23	29-Apr-23	07-Aug-23	01-Feb-23	12-May-23	-87	0%	
13-2010	Piping and Instrument Installtion and Connection Works		100	07-Aug-23	14-Nov-23	07-Aug-23	14-Nov-23	01-Jun-23	09-Sep-23	-67	0%	
13-2020	Pipe Insulation Works		100	06-Sep-23	14-Dec-23	06-Sep-23	14-Dec-23	01-Jul-23	09-Oct-23	-67	0%	
13-2030	Cable Laying and Termination Works		130	07-Aug-23	14-Dec-23	07-Aug-23	14-Dec-23	01-Jun-23	09-Oct-23	-67	0%	
EP_SP_66_12-WP-3-M28.13.4.2 ACC Unit 2 Installation			230	07-Aug-23	23-Mar-24	07-Aug-23	23-Mar-24	15-Apr-23	01-Dec-23	-114		
13-2040	Installation of ACC Equipment		100	07-Aug-23	14-Nov-23	07-Aug-23	14-Nov-23	15-Apr-23	24-Jul-23	-114	0%	
13-2050	Piping and Instrument Installtion and Connection Works		100	15-Nov-23	22-Feb-24	15-Nov-23	22-Feb-24	24-Jul-23	01-Nov-23	-114	0%	
13-2060	Pipe Insulation Works		100	15-Dec-23	23-Mar-24	15-Dec-23	23-Mar-24	23-Aug-23	01-Dec-23	-114	0%	
13-2070	Cable Laying and Termination Works		130	15-Nov-23	23-Mar-24	15-Nov-23	23-Mar-24	24-Jul-23	01-Dec-23	-114	0%	
EP_SP_66_12-WP-3-M28.13.4.3 ACC Unit 3 Installation			230	05-Sep-23	21-Apr-24	05-Sep-23	21-Apr-24	18-Apr-23	04-Dec-23	-140		
13-2080	Installation of ACC Equipment		100	05-Sep-23	13-Dec-23	05-Sep-23	13-Dec-23	18-Apr-23	27-Jul-23	-140	0%	
13-2090	Piping and Instrument Installtion and Connection Works		100	14-Dec-23	22-Mar-24	14-Dec-23	22-Mar-24	27-Jul-23	04-Nov-23	-140	0%	
13-2100	Pipe Insulation Works		100	13-Jan-24	21-Apr-24	13-Jan-24	21-Apr-24	26-Aug-23	04-Dec-23	-140	0%	
13-2110	Cable Laying and Termination Works		130	14-Dec-23	21-Apr-24	14-Dec-23	21-Apr-24	27-Jul-23	04-Dec-23	-140	0%	
EP_SP_66_12-WP-3-M28.13.5 Turbine Hall Bld Equipment Installation			293	04-Jul-23	21-Apr-24	04-Jul-23	21-Apr-24	13-Mar-23	28-Dec-23	-116		
EP_SP_66_12-WP-3-M28.13.5.3 Turbine Module 1 Installation			210	04-Jul-23	29-Jan-24	04-Jul-23	29-Jan-24	13-Mar-23	09-Oct-23	-113		
13-2120	STG and TBS Module 1 Installation		60	04-Jul-23	01-Sep-23	04-Jul-23	01-Sep-23	13-Mar-23	12-May-23	-113	0%	
13-2130	Piping and Instrument Installtion and Connection Works		120	02-Sep-23	30-Dec-23	02-Sep-23	30-Dec-23	12-May-23	09-Sep-23	-113	0%	
13-2140	Turbine Hall Piping Insulation Works		120	02-Oct-23	29-Jan-24	02-Oct-23	29-Jan-24	11-Jun-23	09-Oct-23	-113	0%	
13-2150	Turbine Electrical installation Works		120	02-Sep-23	30-Dec-23	02-Sep-23	30-Dec-23	11-Jun-23	09-Oct-23	-83	0%	
13-2160	Maintenance Cranes Installation		90	02-Sep-23	30-Nov-23	02-Sep-23	30-Nov-23	11-Jul-23	09-Oct-23	-53	0%	
EP_SP_66_12-WP-3-M28.13.5.4 Turbine Module 2 Installation			217	20-Aug-23	23-Mar-24	20-Aug-23	23-Mar-24	23-Apr-23	01-Dec-23	-114		
13-2170	STG and TBS Module 2 Installation		60	20-Aug-23	18-Oct-23	20-Aug-23	18-Oct-23	23-Apr-23	22-Jun-23	-119	0%	
13-2180	Piping and Instrument Installtion and Connection Works		120	26-Oct-23	22-Feb-24	26-Oct-23	22-Feb-24	04-Jul-23	01-Nov-23	-114	0%	
13-2190	Turbine Hall Piping Insulation Works		120	25-Nov-23	23-Mar-24	25-Nov-23	23-Mar-24	03-Aug-23	01-Dec-23	-114	0%	
13-2200	Turbine Electrical installation Works		120	19-Oct-23	15-Feb-24	19-Oct-23	15-Feb-24	03-Aug-23	01-Dec-23	-77	0%	
13-2210	Maintenance Cranes Installation		90	19-Oct-23	16-Jan-24	19-Oct-23	16-Jan-24	02-Sep-23	01-Dec-23	-47	0%	
EP_SP_66_12-WP-3-M28.13.5.5 Turbine Module 3 Installation			231	04-Sep-23	21-Apr-24	04-Sep-23	21-Apr-24	08-May-23	04-Dec-23	-140		
13-2220	STG and TBS Module 3 Installation		60	04-Sep-23	02-Nov-23	04-Sep-23	02-Nov-23	08-May-23	07-Jul-23	-119	0%	
13-2230	Piping and Instrument Installtion and Connection Works		120	24-Nov-23	22-Mar-24	24-Nov-23	22-Mar-24	07-Jul-23	04-Nov-23	-140	0%	
13-2240	Turbine Hall Piping Insulation Works		120	24-Dec-23	21-Apr-24	24-Dec-23	21-Apr-24	06-Aug-23	04-Dec-23	-140	0%	
13-2250	Turbine Electrical installation Works		120	03-Nov-23	01-Mar-24	03-Nov-23	01-Mar-24	06-Aug-23	04-Dec-23	-89	0%	

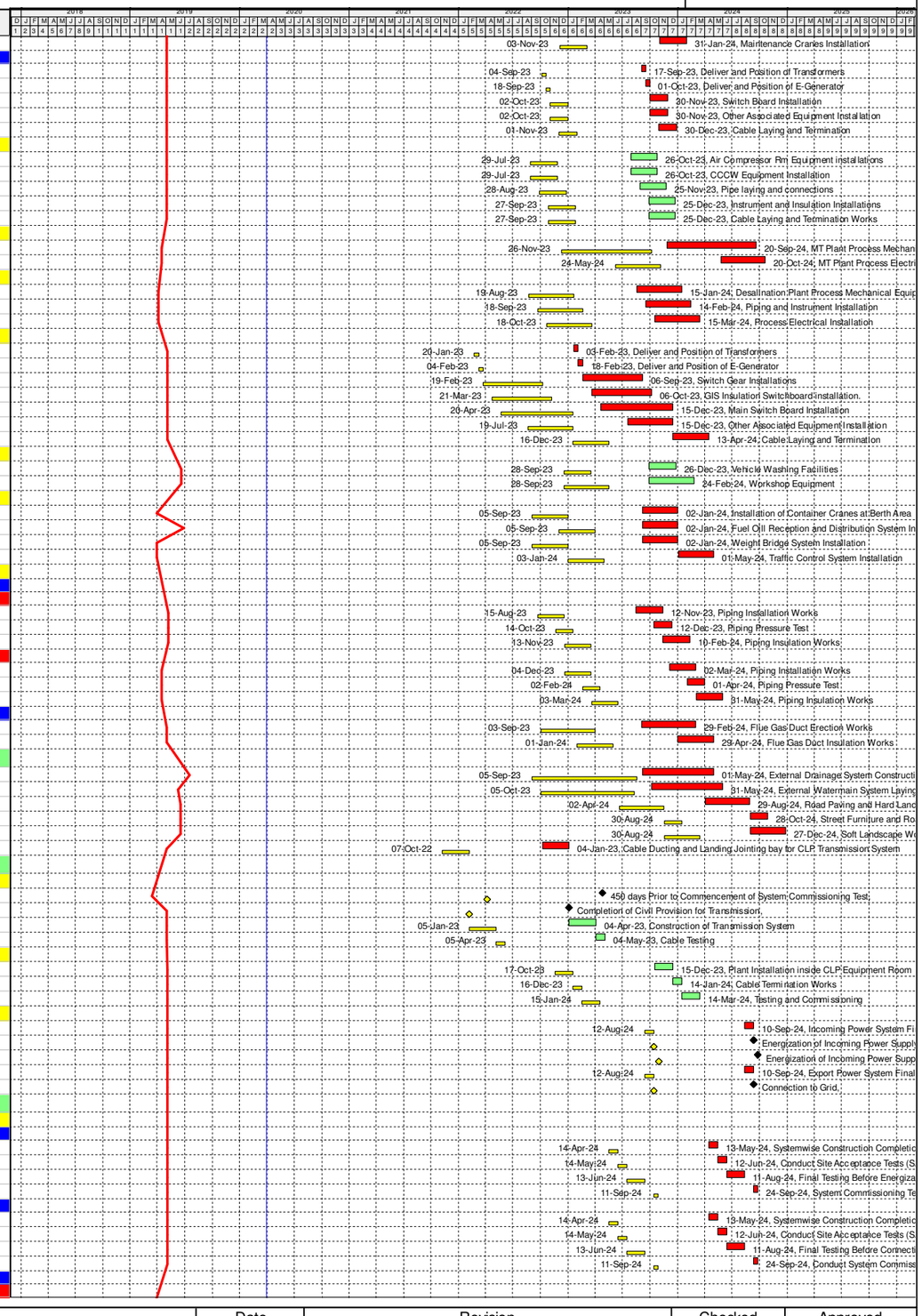


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
13-2260	Maintenance Cranes Installation		90	03-Nov-23	31-Jan-24	03-Nov-23	31-Jan-24	05-Sep-23	04-Dec-23	-59	0%	
EP_SP_66_12-WP-3-M28.13.5.2 Electrical Room Equipment Installation			118	04-Sep-23	30-Dec-23	04-Sep-23	30-Dec-23	01-Sep-23	28-Dec-23	-3		
13-2270	Deliver and Position of Transformers		14	04-Sep-23	17-Sep-23	04-Sep-23	17-Sep-23	01-Sep-23	15-Sep-23	-3	0%	
13-2280	Deliver and Position of E-Generator		14	18-Sep-23	01-Oct-23	18-Sep-23	01-Oct-23	15-Sep-23	29-Sep-23	-3	0%	
13-2290	Switch Board Installation		60	02-Oct-23	30-Nov-23	02-Oct-23	30-Nov-23	29-Sep-23	28-Nov-23	-3	0%	
13-2300	Other Associated Equipment Installation		60	02-Oct-23	30-Nov-23	02-Oct-23	30-Nov-23	29-Sep-23	28-Nov-23	-3	0%	
13-2310	Cable Laying and Termination		60	01-Nov-23	30-Dec-23	01-Nov-23	30-Dec-23	29-Oct-23	28-Dec-23	-3	0%	
EP_SP_66_12-WP-3-M28.13.6 Air Compressor Bld Equipment Installation			150	29-Jul-23	25-Dec-23	29-Jul-23	25-Dec-23	06-Aug-23	03-Jan-24	8		
13-2320	Air Compressor Rm Equipment installations		90	29-Jul-23	26-Oct-23	29-Jul-23	26-Oct-23	06-Aug-23	04-Nov-23	8	0%	
13-2330	CCCW Equipment Installation		90	29-Jul-23	26-Oct-23	29-Jul-23	26-Oct-23	06-Aug-23	04-Nov-23	8	0%	
13-2340	Pipe laying and connections		90	28-Aug-23	25-Nov-23	28-Aug-23	25-Nov-23	05-Sep-23	04-Dec-23	8	0%	
13-2350	Instrument and Insulation Installations		90	27-Sep-23	25-Dec-23	27-Sep-23	25-Dec-23	05-Oct-23	03-Jan-24	8	0%	
13-2360	Cable Laying and Termination Works		90	27-Sep-23	25-Dec-23	27-Sep-23	25-Dec-23	05-Oct-23	03-Jan-24	8	0%	
EP_SP_66_12-WP-3-M28.13.8a MT Process Bld Process Equipment Installation			330	26-Nov-23	20-Oct-24	26-Nov-23	20-Oct-24	16-Jul-23	10-Jun-24	-133		
13-2370	MT Plant Process Mechanical Equipment Installation		300	26-Nov-23	20-Sep-24	26-Nov-23	20-Sep-24	16-Jul-23	11-May-24	-133	0%	
13-2380	MT Plant Process Electrical Installation		150	24-May-24	20-Oct-24	24-May-24	20-Oct-24	12-Jan-24	10-Jun-24	-133	0%	
EP_SP_66_12-WP-3-M28.13.8b Desalination Bld Process Equipment Installation			210	19-Aug-23	15-Mar-24	19-Aug-23	15-Mar-24	27-May-23	23-Dec-23	-84		
13-2390	Desalination Plant Process Mechanical Equipment Installation		150	19-Aug-23	15-Jan-24	19-Aug-23	15-Jan-24	27-May-23	24-Oct-23	-84	0%	
13-2400	Piping and Instrument Installation		150	18-Sep-23	14-Feb-24	18-Sep-23	14-Feb-24	26-Jun-23	23-Nov-23	-84	0%	
13-2410	Process Electrical Installation		150	18-Oct-23	15-Mar-24	18-Oct-23	15-Mar-24	26-Jul-23	23-Dec-23	-84	0%	
EP_SP_66_12-WP-3-M28.13.09 IWMF Substation Bld Equipment Installation			450	20-Jan-23	13-Apr-24	20-Jan-23	13-Apr-24	05-Sep-22	29-Nov-23	-137		
13-2420	Deliver and Position of Transformers		15	20-Jan-23	03-Feb-23	20-Jan-23	03-Feb-23	05-Sep-22	20-Sep-22	-137	0%	
13-2430	Deliver and Position of E-Generator		15	04-Feb-23	18-Feb-23	04-Feb-23	18-Feb-23	20-Sep-22	05-Oct-22	-137	0%	
13-2440	Switch Gear Installations		200	19-Feb-23	06-Sep-23	19-Feb-23	06-Sep-23	05-Oct-22	23-Apr-23	-137	0%	
13-2450	GIS Insulation Switchboard installation.		200	21-Mar-23	06-Oct-23	21-Mar-23	06-Oct-23	04-Nov-22	23-May-23	-137	0%	
13-2460	Main Switch Board Installation		240	20-Apr-23	15-Dec-23	20-Apr-23	15-Dec-23	04-Dec-22	01-Aug-23	-137	0%	
13-2470	Other Associated Equipment Installation		150	19-Jul-23	15-Dec-23	19-Jul-23	15-Dec-23	04-Mar-23	01-Aug-23	-137	0%	
13-2480	Cable Laying and Termination		120	16-Dec-23	13-Apr-24	16-Dec-23	13-Apr-24	01-Aug-23	29-Nov-23	-137	0%	
EP_SP_66_12-WP-3-M28.13.10 Ramp & Storage Bld Process Equipment Installation			150	28-Sep-23	24-Feb-24	28-Sep-23	24-Feb-24	31-Oct-23	23-Aug-24	180		
13-2490	Vehicle Washing Facilities		90	28-Sep-23	26-Dec-23	28-Sep-23	26-Dec-23	31-Oct-23	29-Jan-24	33	0%	
13-2500	Workshop Equipment		150	28-Sep-23	24-Feb-24	28-Sep-23	24-Feb-24	26-Mar-24	23-Aug-24	180	0%	
EP_SP_66_12-WP-3-M28.13.12 Equipment Installaion at External Area			240	05-Sep-23	01-May-24	05-Sep-23	01-May-24	10-Jul-23	02-Apr-24	-30		
13-2510	Installation of Container Cranes at Berth Area		120	05-Sep-23	02-Jan-24	05-Sep-23	02-Jan-24	10-Jul-23	07-Nov-23	-57	0%	
13-2520	Fuel Oil Reception and Distribution System Installation at Berth Area		120	05-Sep-23	02-Jan-24	05-Sep-23	02-Jan-24	01-Sep-23	30-Dec-23	-4	0%	
13-2530	Weight Bridge System Installation		120	05-Sep-23	02-Jan-24	05-Sep-23	02-Jan-24	10-Jul-23	07-Nov-23	-57	0%	
13-2540	Traffic Control System Installation		120	03-Jan-24	01-May-24	03-Jan-24	01-May-24	04-Dec-23	02-Apr-24	-30	0%	
EP_SP_66_12-WP-3-M28.13.13 External Process Pipe Works			291	15-Aug-23	31-May-24	15-Aug-23	31-May-24	31-Jul-23	27-Mar-24	-66		
EP_SP_66_12-WP-3-M28.13.13.1 Process and Non-process Piping Works			291	15-Aug-23	31-May-24	15-Aug-23	31-May-24	10-Aug-23	29-Feb-24	-93		
EP_SP_66_12-WP-3-M28.13.13.1.1 Piping from Module 1 to Turbine Bld			180	15-Aug-23	10-Feb-24	15-Aug-23	10-Feb-24	10-Aug-23	06-Feb-24	-5		
13-2550	Piping Installation Works		90	15-Aug-23	12-Nov-23	15-Aug-23	12-Nov-23	10-Aug-23	08-Nov-23	-5	0%	
13-2560	Piping Pressure Test		60	14-Oct-23	12-Dec-23	14-Oct-23	12-Dec-23	09-Oct-23	08-Dec-23	-5	0%	
13-2570	Piping Insulation Works		90	13-Nov-23	10-Feb-24	13-Nov-23	10-Feb-24	08-Nov-23	06-Feb-24	-5	0%	
EP_SP_66_12-WP-3-M28.13.13.1.2 Piping from Module 2 & 3 to Turbine Bld			180	04-Dec-23	31-May-24	04-Dec-23	31-May-24	02-Sep-23	29-Feb-24	-93		
13-2580	Piping Installation Works		90	04-Dec-23	02-Mar-24	04-Dec-23	02-Mar-24	02-Sep-23	01-Dec-23	-93	0%	
13-2590	Piping Pressure Test		60	02-Feb-24	01-Apr-24	02-Feb-24	01-Apr-24	01-Nov-23	31-Dec-23	-93	0%	
13-2600	Piping Insulation Works		90	03-Mar-24	31-May-24	03-Mar-24	31-May-24	01-Dec-23	29-Feb-24	-93	0%	
EP_SP_66_12-WP-3-M28.13.13.2 Flue Gas Ducting Works			240	03-Sep-23	29-Apr-24	03-Sep-23	29-Apr-24	31-Jul-23	27-Mar-24	-34		
13-2610	Flue Gas Duct Erection Works		180	03-Sep-23	29-Feb-24	03-Sep-23	29-Feb-24	31-Jul-23	27-Jan-24	-34	0%	
13-2620	Flue Gas Duct Insulation Works		120	01-Jan-24	29-Apr-24	01-Jan-24	29-Apr-24	28-Nov-23	27-Mar-24	-34	0%	
EP_SP_66_12-WP-3-M28.14 Landscape, External Road and Drains Works			813	07-Oct-22	27-Dec-24	07-Oct-22	27-Dec-24	04-Oct-22	30-Nov-24	-28		
14-1000	External Drainage System Construction Works		240	05-Sep-23	01-May-24	05-Sep-23	01-May-24	25-May-23	20-Jan-24	-103	0%	
14-1010	External Watermain System Laying Works		240	05-Oct-23	31-May-24	05-Oct-23	31-May-24	24-Jun-23	19-Feb-24	-103	0%	
14-1020	Road Paving and Hard Landscape Works		150	02-Apr-24	29-Aug-24	02-Apr-24	29-Aug-24	03-Jan-24	01-Jun-24	-90	0%	
14-1030	Street Furniture and Road Marking Works		60	30-Aug-24	28-Oct-24	30-Aug-24	28-Oct-24	01-Jun-24	31-Jul-24	-90	0%	
14-1040	Soft Landscape Works (Planting Season)		120	30-Aug-24	27-Dec-24	30-Aug-24	27-Dec-24	02-Aug-24	30-Nov-24	-28	0%	
14-1050	Cable Ducting and Landing Jointing bay for CLP Transmission System		90	07-Oct-22	04-Jan-23	07-Oct-22	04-Jan-23	04-Oct-22	02-Jan-23	-3	0%	
EP_SP_66_12-WP-3-M28.15 Works By CLP			629	04-Jan-23	24-Sep-24	04-Jan-23	24-Sep-24	02-Jan-23	14-Aug-24	-42		
EP_SP_66_12-WP-3-M28.15.1 Installation of Transmission System			120	04-Jan-23	04-May-23	04-Jan-23	04-May-23	02-Jan-23	29-Dec-23	238		
15-0800	450 days Prior to Commencement of System Commissioning Test		0		25-Apr-23		25-Apr-23		02-Jan-23	-113	0%	
15-0900	Completion of Civil Provision for Transmission		0		04-Jan-23		04-Jan-23		02-Jan-23	-3	0%	
15-1000	Construction of Transmission System		90	05-Jan-23	04-Apr-23	05-Jan-23	04-Apr-23	31-Aug-23	29-Nov-23	238	0%	
15-1002	Cable Testing		30	05-Apr-23	04-May-23	05-Apr-23	04-May-23	29-Nov-23	29-Dec-23	238	0%	
EP_SP_66_12-WP-3-M28.15.2 Remaining Installation Works by CLP			150	17-Oct-23	14-Mar-24	17-Oct-23	14-Mar-24	30-Oct-23	28-Mar-24	13		
15-1005	Plant Installation inside CLP Equipment Room	As Late As Possible	60	17-Oct-23	15-Dec-23	17-Oct-23	15-Dec-23	30-Oct-23	29-Dec-23	13	0%	
15-1010	Cable Termination Works		30	16-Dec-23	14-Jan-24	16-Dec-23	14-Jan-24	29-Dec-23	28-Jan-24	13	0%	
15-1015	Testing and Commissioning		60	15-Jan-24	14-Mar-24	15-Jan-24	14-Mar-24	28-Jan-24	28-Mar-24	13	0%	
EP_SP_66_12-WP-3-M28.15.3 Metering & Energization			44	12-Aug-24	24-Sep-24	12-Aug-24	24-Sep-24	28-Mar-24	14-Aug-24	-42		
15-1020	Incoming Power System Final Inspection and Metering works		30	12-Aug-24	10-Sep-24	12-Aug-24	10-Sep-24	28-Mar-24	27-Apr-24	-137	0%	
15-1030	Energization of Incoming Power Supply Main System		0		10-Sep-24		10-Sep-24		27-Apr-24	-137	0%	
15-1040	Energization of Incoming Power Supply Sub System		0		24-Sep-24		24-Sep-24		11-May-24	-137	0%	
15-1050	Export Power System Final Inspection and Metering works		30	12-Aug-24	10-Sep-24	12-Aug-24	10-Sep-24	15-Jul-24	14-Aug-24	-28	0%	
15-1060	Connection to Grid		0		10-Sep-24		10-Sep-24		14-Aug-24	-28	0%	
EP_SP_66_12-WP-3-M28.16 Testing & Commissioning			548	26-Dec-23	25-Jun-25	26-Dec-23	25-Jun-25	09-Oct-23	29-Jan-25	-148		
EP_SP_66_12-WP-3-M28.16.22 SAT & System Commissioning Tests			394	26-Dec-23	22-Jan-25	26-Dec-23	22-Jan-25	09-Oct-23	06-Sep-24	-139		
EP_SP_66_12-WP-3-M28.16.22.1 132kV Incoming Power Supply System T&C			164	14-Apr-24	24-Sep-24	14-Apr-24	24-Sep-24	29-Nov-23	11-May-24	-137		
16-1000	Systemwise Construction Completion Inspection		30	14-Apr-24	13-May-24	14-Apr-24	13-May-24	29-Nov-23	29-Dec-23	-137	0%	
16-1010	Conduct Site Acceptance Tests (SAT)		30	14-May-24	12-Jun-24	14-May-24	12-Jun-24	29-Dec-23	28-Jan-24	-137	0%	
16-1015(3)	Final Testing Before Energization		60	13-Jun-24	11-Aug-24	13-Jun-24	11-Aug-24	28-Jan-24	28-Mar-24	-137	0%	
16-1020	System Commissioning Tests		14	11-Sep-24	24-Sep-24	11-Sep-24	24-Sep-24	27-Apr-24	11-May-24	-137	0%	
EP_SP_66_12-WP-3-M28.16.22.2 132kV Export Power System T&C			164	14-Apr-24	24-Sep-24	14-Apr-24	24-Sep-24	17-Mar-24	28-Aug-24	-28		
16-1600	Systemwise Construction Completion Inspection		30	14-Apr-24	13-May-24	14-Apr-24	13-May-24	17-Mar-24	16-Apr-24	-28	0%	
16-1610	Conduct Site Acceptance Tests (SAT)		30	14-May-24	12-Jun-24	14-May-24	12-Jun-24	16-Apr-24	16-May-24	-28	0%	
16-1615(3)	Final Testing Before Connection		60	13-Jun-24	11-Aug-24	13-Jun-24	11-Aug-24	16-May-24	15-Jul-24	-28	0%	
16-1620	Conduct System Commissioning Tests		14	11-Sep-24	24-Sep-24	11-Sep-24	24-Sep-24	14-Aug-24	28-Aug-24	-28	0%	
EP_SP_66_12-WP-3-M28.16.22.21 11kV Electrical System T&C			233	31-Dec-23	19-Aug-24	31-Dec-23	19-Aug-24	28-Nov-23	02-Apr-24	-140		
EP_SP_66_12-WP-3-M28.16.22.21.1 Module 1			120	31-Dec-23	28-Apr-24	31-Dec-23	28-Apr-24	28-Nov-23	27-Mar-24	-33		

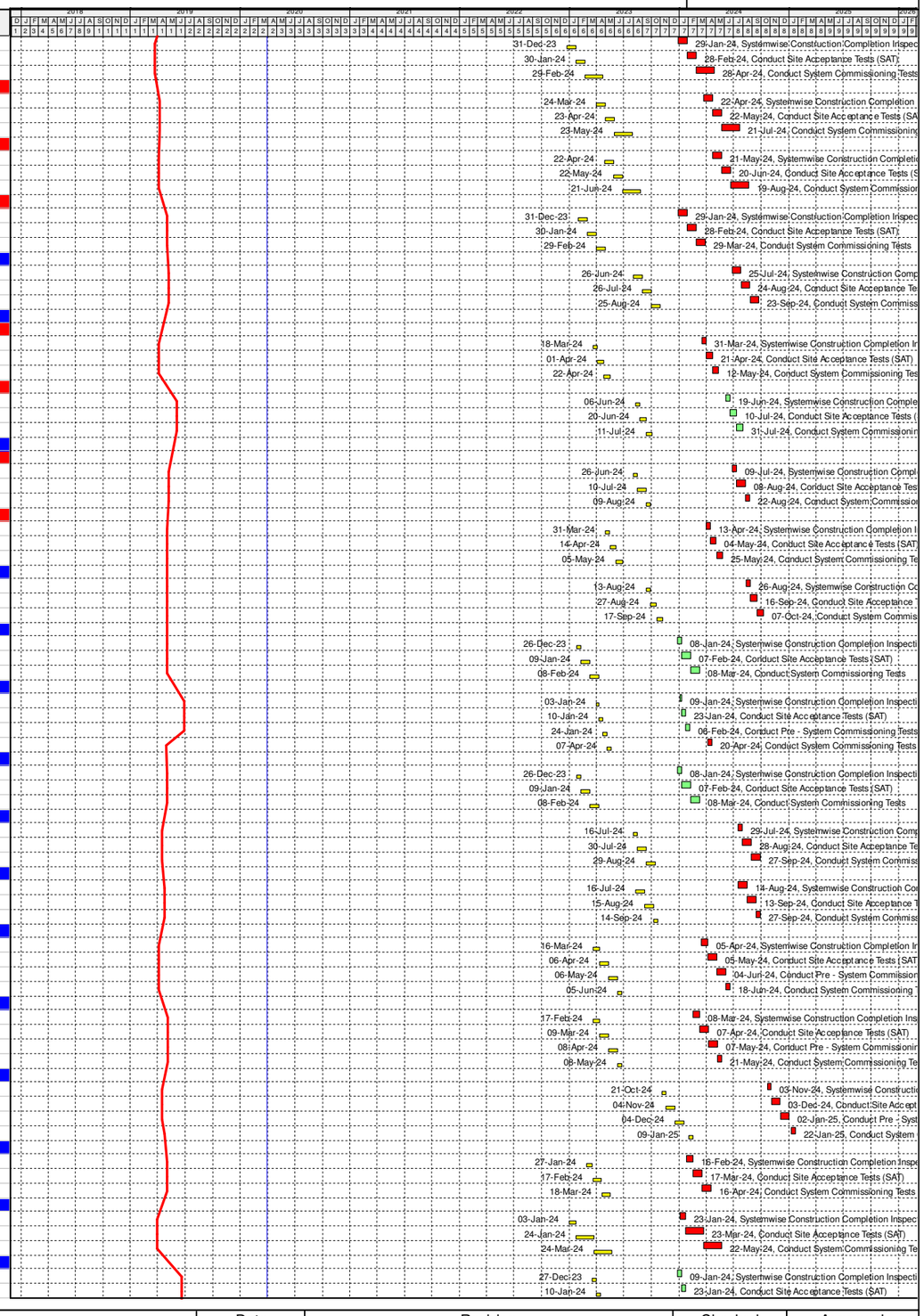


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
16-1850(1)	Systemwise Construction Completion Inspection		30	31-Dec-23	29-Jan-24	31-Dec-23	29-Jan-24	28-Nov-23	28-Dec-23	-33	0%	
16-18601)	Conduct Site Acceptance Tests (SAT)		30	30-Jan-24	28-Feb-24	30-Jan-24	28-Feb-24	28-Dec-23	27-Jan-24	-33	0%	
16-1870(1)	Conduct System Commissioning Tests		60	29-Feb-24	28-Apr-24	29-Feb-24	28-Apr-24	27-Jan-24	27-Mar-24	-33	0%	
EP_SP_66_12-WP-3-M28.16.22.21.2 Module 2			120	24-Mar-24	21-Jul-24	24-Mar-24	21-Jul-24	01-Dec-23	30-Mar-24	-114		
16-1880(1)	Systemwise Construction Completion Inspection		30	24-Mar-24	22-Apr-24	24-Mar-24	22-Apr-24	01-Dec-23	31-Dec-23	-114	0%	
16-1890(1)	Conduct Site Acceptance Tests (SAT)		30	23-Apr-24	22-May-24	23-Apr-24	22-May-24	31-Dec-23	30-Jan-24	-114	0%	
16-1900(1)	Conduct System Commissioning Tests		60	23-May-24	21-Jul-24	23-May-24	21-Jul-24	30-Jan-24	30-Mar-24	-114	0%	
EP_SP_66_12-WP-3-M28.16.22.21.3 Module 3			120	22-Apr-24	19-Aug-24	22-Apr-24	19-Aug-24	04-Dec-23	02-Apr-24	-140		
16-1910(1)	Systemwise Construction Completion Inspection		30	22-Apr-24	21-May-24	22-Apr-24	21-May-24	04-Dec-23	03-Jan-24	-140	0%	
16-1920(1)	Conduct Site Acceptance Tests (SAT)		30	22-May-24	20-Jun-24	22-May-24	20-Jun-24	03-Jan-24	02-Feb-24	-140	0%	
16-1930(1)	Conduct System Commissioning Tests		60	21-Jun-24	19-Aug-24	21-Jun-24	19-Aug-24	02-Feb-24	02-Apr-24	-140	0%	
EP_SP_66_12-WP-3-M28.16.22.21.4 Turbine Hall Electrical Room			90	31-Dec-23	29-Mar-24	31-Dec-23	29-Mar-24	28-Dec-23	27-Mar-24	-3		
16-1940(1)	Systemwise Construction Completion Inspection		30	31-Dec-23	29-Jan-24	31-Dec-23	29-Jan-24	28-Dec-23	27-Jan-24	-3	0%	
16-1950(1)	Conduct Site Acceptance Tests (SAT)		30	30-Jan-24	28-Feb-24	30-Jan-24	28-Feb-24	27-Jan-24	26-Feb-24	-3	0%	
16-1960(1)	Conduct System Commissioning Tests		30	29-Feb-24	29-Mar-24	29-Feb-24	29-Mar-24	26-Feb-24	27-Mar-24	-3	0%	
EP_SP_66_12-WP-3-M28.16.22.3 Building Services Electrical System T&C			90	26-Jun-24	23-Sep-24	26-Jun-24	23-Sep-24	11-Feb-24	11-May-24	-136		
16-1030	Systemwise Construction Completion Inspection		30	26-Jun-24	25-Jul-24	26-Jun-24	25-Jul-24	11-Feb-24	12-Mar-24	-136	0%	
16-1040	Conduct Site Acceptance Tests (SAT)		30	26-Jul-24	24-Aug-24	26-Jul-24	24-Aug-24	12-Mar-24	11-Apr-24	-136	0%	
16-1050	Conduct System Commissioning Tests		30	25-Aug-24	23-Sep-24	25-Aug-24	23-Sep-24	11-Apr-24	11-May-24	-136	0%	
EP_SP_66_12-WP-3-M28.16.22.4 Water Supply System T&C			136	18-Mar-24	31-Jul-24	18-Mar-24	31-Jul-24	31-Jan-24	23-Aug-24	22		
EP_SP_66_12-WP-3-M28.16.22.4.1 Process Water Supply System T&C			56	18-Mar-24	12-May-24	18-Mar-24	12-May-24	31-Jan-24	27-Mar-24	-47		
16-1060	Systemwise Construction Completion Inspection		14	18-Mar-24	31-Mar-24	18-Mar-24	31-Mar-24	31-Jan-24	14-Feb-24	-47	0%	
16-1070	Conduct Site Acceptance Tests (SAT)		21	01-Apr-24	21-Apr-24	01-Apr-24	21-Apr-24	14-Feb-24	06-Mar-24	-47	0%	
16-1080	Conduct System Commissioning Tests		21	22-Apr-24	12-May-24	22-Apr-24	12-May-24	06-Mar-24	27-Mar-24	-47	0%	
EP_SP_66_12-WP-3-M28.16.22.4.2 Building Services Water Supply System T&C			56	06-Jun-24	31-Jul-24	06-Jun-24	31-Jul-24	28-Jun-24	23-Aug-24	22		
16-1090	Systemwise Construction Completion Inspection		14	06-Jun-24	19-Jun-24	06-Jun-24	19-Jun-24	28-Jun-24	12-Jul-24	22	0%	
16-1100	Conduct Site Acceptance Tests (SAT)		21	20-Jun-24	10-Jul-24	20-Jun-24	10-Jul-24	12-Jul-24	02-Aug-24	22	0%	
16-1110	Conduct System Commissioning Tests		21	11-Jul-24	31-Jul-24	11-Jul-24	31-Jul-24	02-Aug-24	23-Aug-24	22	0%	
EP_SP_66_12-WP-3-M28.16.22.5 MVAC & OCS System T&C			145	31-Mar-24	22-Aug-24	31-Mar-24	22-Aug-24	06-Feb-24	26-Apr-24	-119		
EP_SP_66_12-WP-3-M28.16.22.5.1 Building Service MVAC System T&C			58	26-Jun-24	22-Aug-24	26-Jun-24	22-Aug-24	28-Feb-24	26-Apr-24	-119		
16-1120	Systemwise Construction Completion Inspection		14	26-Jun-24	09-Jul-24	26-Jun-24	09-Jul-24	28-Feb-24	13-Mar-24	-119	0%	
16-1130	Conduct Site Acceptance Tests (SAT)		30	10-Jul-24	08-Aug-24	10-Jul-24	08-Aug-24	13-Mar-24	12-Apr-24	-119	0%	
16-1140	Conduct System Commissioning Tests		14	09-Aug-24	22-Aug-24	09-Aug-24	22-Aug-24	12-Apr-24	26-Apr-24	-119	0%	
EP_SP_66_12-WP-3-M28.16.22.5.2 OCS System T&C			56	31-Mar-24	25-May-24	31-Mar-24	25-May-24	06-Feb-24	02-Apr-24	-54		
16-1150	Systemwise Construction Completion Inspection		14	31-Mar-24	13-Apr-24	31-Mar-24	13-Apr-24	06-Feb-24	20-Feb-24	-54	0%	
16-1160	Conduct Site Acceptance Tests (SAT)		21	14-Apr-24	04-May-24	14-Apr-24	04-May-24	20-Feb-24	12-Mar-24	-54	0%	
16-1170	Conduct System Commissioning Tests		21	05-May-24	25-May-24	05-May-24	25-May-24	12-Mar-24	02-Apr-24	-54	0%	
EP_SP_66_12-WP-3-M28.16.22.6 Security, Surveillance & Communication System T&C			56	13-Aug-24	07-Oct-24	13-Aug-24	07-Oct-24	28-Jun-24	23-Aug-24	-46		
16-1180	Systemwise Construction Completion Inspection		14	13-Aug-24	26-Aug-24	13-Aug-24	26-Aug-24	28-Jun-24	12-Jul-24	-46	0%	
16-1190	Conduct Site Acceptance Tests (SAT)		21	27-Aug-24	16-Sep-24	27-Aug-24	16-Sep-24	12-Jul-24	02-Aug-24	-46	0%	
16-1200	Conduct System Commissioning Tests		21	17-Sep-24	07-Oct-24	17-Sep-24	07-Oct-24	02-Aug-24	23-Aug-24	-46	0%	
EP_SP_66_12-WP-3-M28.16.22.7 Compressor Air System T&C			74	26-Dec-23	08-Mar-24	26-Dec-23	08-Mar-24	13-Jan-24	27-Mar-24	18		
16-1210	Systemwise Construction Completion Inspection		14	26-Dec-23	08-Jan-24	26-Dec-23	08-Jan-24	13-Jan-24	27-Jan-24	18	0%	
16-1220	Conduct Site Acceptance Tests (SAT)		30	09-Jan-24	07-Feb-24	09-Jan-24	07-Feb-24	27-Jan-24	26-Feb-24	18	0%	
16-1230	Conduct System Commissioning Tests		30	08-Feb-24	08-Mar-24	08-Feb-24	08-Mar-24	26-Feb-24	27-Mar-24	18	0%	
EP_SP_66_12-WP-3-M28.16.22.8 Fuel Oil System T&C			109	03-Jan-24	20-Apr-24	03-Jan-24	20-Apr-24	07-Feb-24	27-Mar-24	-25		
16-1240	Systemwise Construction Completion Inspection		7	03-Jan-24	09-Jan-24	03-Jan-24	09-Jan-24	07-Feb-24	14-Feb-24	35	0%	
16-1250	Conduct Site Acceptance Tests (SAT)		14	10-Jan-24	23-Jan-24	10-Jan-24	23-Jan-24	14-Feb-24	28-Feb-24	35	0%	
16-1255(2)	Conduct Pre - System Commissioning Tests		14	24-Jan-24	06-Feb-24	24-Jan-24	06-Feb-24	28-Feb-24	13-Mar-24	35	0%	
16-1260	Conduct System Commissioning Tests		14	07-Apr-24	20-Apr-24	07-Apr-24	20-Apr-24	13-Mar-24	27-Mar-24	-25	0%	
EP_SP_66_12-WP-3-M28.16.22.9 CCCW System T&C			74	26-Dec-23	08-Mar-24	26-Dec-23	08-Mar-24	13-Jan-24	27-Mar-24	18		
16-1270	Systemwise Construction Completion Inspection		14	26-Dec-23	08-Jan-24	26-Dec-23	08-Jan-24	13-Jan-24	27-Jan-24	18	0%	
16-1280	Conduct Site Acceptance Tests (SAT)		30	09-Jan-24	07-Feb-24	09-Jan-24	07-Feb-24	27-Jan-24	26-Feb-24	18	0%	
16-1290	Conduct System Commissioning Tests		30	08-Feb-24	08-Mar-24	08-Feb-24	08-Mar-24	26-Feb-24	27-Mar-24	18	0%	
EP_SP_66_12-WP-3-M28.16.22.10 Lift System T&C			74	16-Jul-24	27-Sep-24	16-Jul-24	27-Sep-24	20-Mar-24	02-Jun-24	-118		
16-1480	Systemwise Construction Completion Inspection		14	16-Jul-24	29-Jul-24	16-Jul-24	29-Jul-24	20-Mar-24	03-Apr-24	-118	0%	
16-1490	Conduct Site Acceptance Tests (SAT)		30	30-Jul-24	28-Aug-24	30-Jul-24	28-Aug-24	03-Apr-24	03-May-24	-118	0%	
16-1500	Conduct System Commissioning Tests		30	29-Aug-24	27-Sep-24	29-Aug-24	27-Sep-24	03-May-24	02-Jun-24	-118	0%	
EP_SP_66_12-WP-3-M28.16.22.11 FS System T&C			74	16-Jul-24	27-Sep-24	16-Jul-24	27-Sep-24	19-Feb-24	03-May-24	-148		
16-1510	Systemwise Construction Completion Inspection		30	16-Jul-24	14-Aug-24	16-Jul-24	14-Aug-24	19-Feb-24	20-Mar-24	-148	0%	
16-1520	Conduct Site Acceptance Tests (SAT)		30	15-Aug-24	13-Sep-24	15-Aug-24	13-Sep-24	20-Mar-24	19-Apr-24	-148	0%	
16-1530	Conduct System Commissioning Tests		14	14-Sep-24	27-Sep-24	14-Sep-24	27-Sep-24	19-Apr-24	03-May-24	-148	0%	
EP_SP_66_12-WP-3-M28.16.22.12 Desalination & Demineralization Process T&C			95	16-Mar-24	18-Jun-24	16-Mar-24	18-Jun-24	23-Dec-23	27-Mar-24	-84		
16-1300	Systemwise Construction Completion Inspection		21	16-Mar-24	05-Apr-24	16-Mar-24	05-Apr-24	23-Dec-23	13-Jan-24	-84	0%	
16-1310	Conduct Site Acceptance Tests (SAT)		30	06-Apr-24	05-May-24	06-Apr-24	05-May-24	13-Jan-24	12-Feb-24	-84	0%	
16-1315(2)	Conduct Pre - System Commissioning Tests		30	06-May-24	04-Jun-24	06-May-24	04-Jun-24	12-Feb-24	13-Mar-24	-84	0%	
16-1320	Conduct System Commissioning Tests		14	05-Jun-24	18-Jun-24	05-Jun-24	18-Jun-24	13-Mar-24	27-Mar-24	-84	0%	
EP_SP_66_12-WP-3-M28.16.22.13 WWTP Process T&C			95	17-Feb-24	21-May-24	17-Feb-24	21-May-24	23-Dec-23	27-Mar-24	-56		
16-1330	Systemwise Construction Completion Inspection		21	17-Feb-24	08-Mar-24	17-Feb-24	08-Mar-24	23-Dec-23	13-Jan-24	-56	0%	
16-1340	Conduct Site Acceptance Tests (SAT)		30	09-Mar-24	07-Apr-24	09-Mar-24	07-Apr-24	13-Jan-24	12-Feb-24	-56	0%	
16-1345(2)	Conduct Pre - System Commissioning Tests		30	08-Apr-24	07-May-24	08-Apr-24	07-May-24	12-Feb-24	13-Mar-24	-56	0%	
16-1350	Conduct System Commissioning Tests		14	08-May-24	21-May-24	08-May-24	21-May-24	13-Mar-24	27-Mar-24	-56	0%	
EP_SP_66_12-WP-3-M28.16.22.14 MT Plant Process T&C			94	21-Oct-24	22-Jan-25	21-Oct-24	22-Jan-25	10-Jun-24	06-Sep-24	-139		
16-1360	Systemwise Construction Completion Inspection		14	21-Oct-24	03-Nov-24	21-Oct-24	03-Nov-24	10-Jun-24	24-Jun-24	-133	0%	
16-1370	Conduct Site Acceptance Tests (SAT)		30	04-Nov-24	03-Dec-24	04-Nov-24	03-Dec-24	24-Jun-24	24-Jul-24	-133	0%	
16-1375(2)	Conduct Pre - System Commissioning Tests		30	04-Dec-24	02-Jan-25	04-Dec-24	02-Jan-25	24-Jul-24	23-Aug-24	-133	0%	
16-1380	Conduct System Commissioning Tests		14	09-Jan-25	22-Jan-25	09-Jan-25	22-Jan-25	23-Aug-24	06-Sep-24	-139	0%	
EP_SP_66_12-WP-3-M28.16.22.15 Crane System T&C			81	27-Jan-24	16-Apr-24	27-Jan-24	16-Apr-24	06-Jan-24	27-Mar-24	-21		
16-1390	Systemwise Construction Completion Inspection		21	27-Jan-24	16-Feb-24	27-Jan-24	16-Feb-24	06-Jan-24	27-Jan-24	-21	0%	
16-1400	Conduct Site Acceptance Tests (SAT)		30	17-Feb-24	17-Mar-24	17-Feb-24	17-Mar-24	27-Jan-24	26-Feb-24	-21	0%	
16-1410	Conduct System Commissioning Tests		30	18-Mar-24	16-Apr-24	18-Mar-24	16-Apr-24	26-Feb-24	27-Mar-24	-21	0%	
EP_SP_66_12-WP-3-M28.16.22.16 weightbridge System T&C			141	03-Jan-24	22-May-24	03-Jan-24	22-May-24	07-Nov-23	27-Mar-24	-57		
16-1420	Systemwise Construction Completion Inspection		21	03-Jan-24	23-Jan-24	03-Jan-24	23-Jan-24	07-Nov-23	28-Nov-23	-57	0%	
16-1430	Conduct Site Acceptance Tests (SAT)		60	24-Jan-24	23-Mar-24	24-Jan-24	23-Mar-24	28-Nov-23	27-Jan-24	-57	0%	
16-1440	Conduct System Commissioning Tests		60	24-Mar-24	22-May-24	24-Mar-24	22-May-24	27-Jan-24	27-Mar-24	-57	0%	
EP_SP_66_12-WP-3-M28.16.22.17 Truck Washing System T&C			58	27-Dec-23	22-Feb-24	27-Dec-23	22-Feb-24	29-Jan-24	27-Mar-24	33		
16-1450	Systemwise Construction Completion Inspection		14	27-Dec-23	09-Jan-24	27-Dec-23	09-Jan-24	29-Jan-24	12-Feb-24	33	0%	
16-1460	Conduct Site Acceptance Tests (SAT)		14	10-Jan-24	23-Jan-24	10-Jan-24	23-Jan-24	12-Feb-24	26-Feb-24	33	0%	

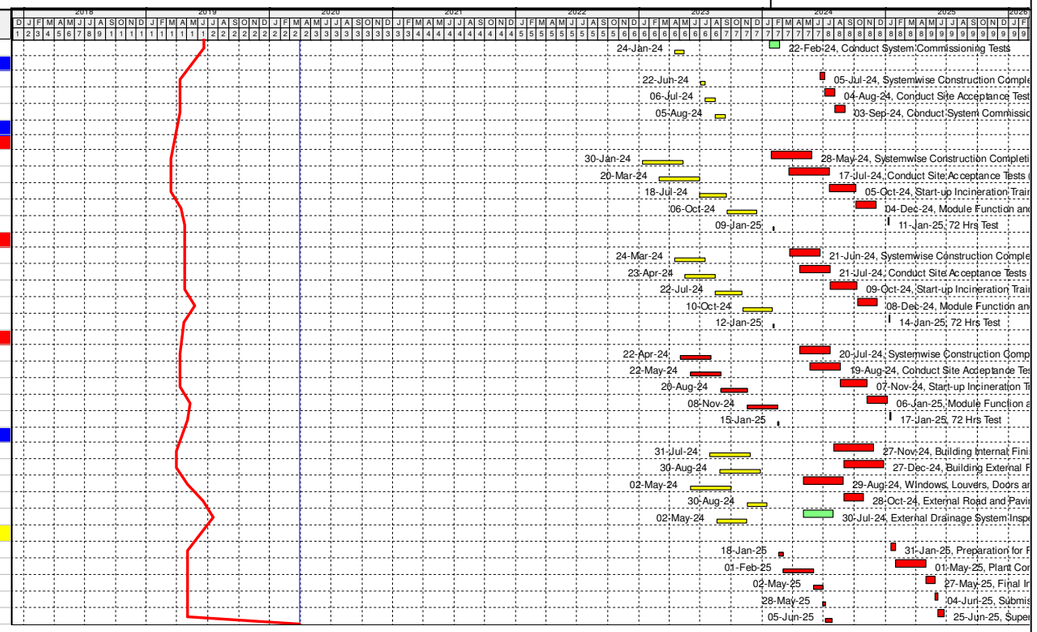


Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		

Activity ID	Activity Name	Primary Constraint	At Completion Duration	Current Start	Current Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Float	Activity % Complete	M28 Remarks
16-1470	Conduct System Commissioning Tests		30	24-Jan-24	22-Feb-24	24-Jan-24	22-Feb-24	26-Feb-24	27-Mar-24	33	0%	
EP_SP_66_12-WP-3-M28.16.22.18	**Control SCADA Systems T&C**		74	22-Jun-24	03-Sep-24	22-Jun-24	03-Sep-24	02-Apr-24	15-Jun-24	-81		
16-1780	Systemwise Construction Completion Inspection		14	22-Jun-24	05-Jul-24	22-Jun-24	05-Jul-24	02-Apr-24	16-Apr-24	-81	0%	
16-1790	Conduct Site Acceptance Tests (SAT)		30	06-Jul-24	04-Aug-24	06-Jul-24	04-Aug-24	16-Apr-24	16-May-24	-81	0%	
16-1800	Conduct System Commissioning Tests		30	05-Aug-24	03-Sep-24	05-Aug-24	03-Sep-24	16-May-24	15-Jun-24	-81	0%	
EP_SP_66_12-WP-3-M28.16.22.19	**Incineration Processing T&C**		354	30-Jan-24	17-Jan-25	30-Jan-24	17-Jan-25	09-Oct-23	23-Aug-24	-148		
EP_SP_66_12-WP-3-M28.16.22.19.2	**Module 1 (Train 1 & 2)**		348	30-Jan-24	11-Jan-25	30-Jan-24	11-Jan-25	09-Oct-23	17-Aug-24	-148		
16-1540	Systemwise Construction Completion Inspection		120	30-Jan-24	28-May-24	30-Jan-24	28-May-24	09-Oct-23	06-Feb-24	-113	0%	
16-1550	Conduct Site Acceptance Tests (SAT)		120	20-Mar-24	17-Jul-24	20-Mar-24	17-Jul-24	28-Nov-23	27-Mar-24	-113	0%	
16-1660	Start-up Incineration Trains of Module		80	18-Jul-24	05-Oct-24	18-Jul-24	05-Oct-24	27-Mar-24	15-Jun-24	-113	0%	
16-1670	Module Function and Operation Test		60	06-Oct-24	04-Dec-24	06-Oct-24	04-Dec-24	15-Jun-24	14-Aug-24	-113	0%	
16-1680	72 Hrs Test		3	09-Jan-25	11-Jan-25	09-Jan-25	11-Jan-25	14-Aug-24	17-Aug-24	-148	0%	
EP_SP_66_12-WP-3-M28.16.22.19.3	**Module 2 (Train 3 & 4)**		297	24-Mar-24	14-Jan-25	24-Mar-24	14-Jan-25	01-Dec-23	20-Aug-24	-148		
16-1560	Systemwise Construction Completion Inspection		90	24-Mar-24	21-Jun-24	24-Mar-24	21-Jun-24	01-Dec-23	29-Feb-24	-114	0%	
16-1570	Conduct Site Acceptance Tests (SAT)		90	23-Apr-24	21-Jul-24	23-Apr-24	21-Jul-24	31-Dec-23	30-Mar-24	-114	0%	
16-1720	Start-up Incineration Trains of Module		80	22-Jul-24	09-Oct-24	22-Jul-24	09-Oct-24	30-Mar-24	18-Jun-24	-114	0%	
16-1730	Module Function and Operation Test		60	10-Oct-24	08-Dec-24	10-Oct-24	08-Dec-24	18-Jun-24	17-Aug-24	-114	0%	
16-1740	72 Hrs Test		3	12-Jan-25	14-Jan-25	12-Jan-25	14-Jan-25	17-Aug-24	20-Aug-24	-148	0%	
EP_SP_66_12-WP-3-M28.16.22.19.4	**Module 3 (Train 5 & 6)**		271	22-Apr-24	17-Jan-25	22-Apr-24	17-Jan-25	04-Dec-23	23-Aug-24	-148		
16-1580	Systemwise Construction Completion Inspection		90	22-Apr-24	20-Jul-24	22-Apr-24	20-Jul-24	04-Dec-23	03-Mar-24	-140	0%	
16-1590	Conduct Site Acceptance Tests (SAT)		90	22-May-24	19-Aug-24	22-May-24	19-Aug-24	03-Jan-24	02-Apr-24	-140	0%	
16-1750	Start-up Incineration Trains of Module		80	20-Aug-24	07-Nov-24	20-Aug-24	07-Nov-24	02-Apr-24	21-Jun-24	-140	0%	
16-1760	Module Function and Operation Test		60	08-Nov-24	06-Jan-25	08-Nov-24	06-Jan-25	21-Jun-24	20-Aug-24	-140	0%	
16-1770	72 Hrs Test		3	15-Jan-25	17-Jan-25	15-Jan-25	17-Jan-25	20-Aug-24	23-Aug-24	-148	0%	
EP_SP_66_12-WP-3-M28.16.22.20	**Civil and Builder Works Completion Inspections**		240	02-May-24	27-Dec-24	02-May-24	27-Dec-24	25-Apr-24	06-Sep-24	-113		
16-1860	Building Internal Finishes Inspections		120	31-Jul-24	27-Nov-24	31-Jul-24	27-Nov-24	25-Apr-24	23-Aug-24	-97	0%	
16-1870	Building External Finishes Inspections and Water Test		120	30-Aug-24	27-Dec-24	30-Aug-24	27-Dec-24	25-Apr-24	23-Aug-24	-127	0%	
16-1880	Windows, Louvers, Doors and Roller Shutters inspections		120	02-May-24	29-Aug-24	02-May-24	29-Aug-24	25-Apr-24	23-Aug-24	-7	0%	
16-1890	External Road and Paving Inspections		60	30-Aug-24	28-Oct-24	30-Aug-24	28-Oct-24	08-Jul-24	06-Sep-24	-53	0%	
16-1900	External Drainage System Inspections		90	02-May-24	30-Jul-24	02-May-24	30-Jul-24	25-May-24	23-Aug-24	23	0%	
EP_SP_66_12-WP-3-M28.16.21	**Plant Commissioning Test of Facility**		159	18-Jan-25	25-Jun-25	18-Jan-25	25-Jun-25	23-Aug-24	29-Jan-25	-148		
16-1820	Preparation for Plant Commissioning Test		14	18-Jan-25	31-Jan-25	18-Jan-25	31-Jan-25	23-Aug-24	06-Sep-24	-148	0%	
16-1825	Plant Commissioning Test		90	01-Feb-25	01-May-25	01-Feb-25	01-May-25	06-Sep-24	05-Dec-24	-148	0%	
16-1830	Final Inspections		26	02-May-25	27-May-25	02-May-25	27-May-25	05-Dec-24	31-Dec-24	-148	0%	
16-1840	Submission of Plant Commissioning Test Report		8	28-May-25	04-Jun-25	28-May-25	04-Jun-25	31-Dec-24	08-Jan-25	-148	0%	
16-1850	Supervising Office Review of Test Report		21	05-Jun-25	25-Jun-25	05-Jun-25	25-Jun-25	08-Jan-25	29-Jan-25	-148	0%	



Programme for Design and Construction Works
March 2020 Update (Rev WP-3-M28)

Primary Baseline
WP3 BL Critical Works
Remaining Work
Actual Work
Critical Remaining Work
Baseline Milestone
WP3 BL Critical Milestone
Milestone
Actual Milestone
Critical Milesto...

Date	Revision	Checked	Approved
04/12/17	Rev. 0 - 1st Issue		
31-Jan-20	Rev 3 - Jan 2020 Update		
29-Feb-20	Rev 3 - Feb 2020 Update		
30-Mar-20	Rev 3 - Mar 2020 Update		