

Appendix A Master Programme

WBS Code	WBS Name	Remaining Duration	Start	Finish	2018												2019												2020												2021												2022												2023												2024																																																																							
					N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D																																														
EP_SP_66_12-WP-5	Programme for Design and Construction Works	2496	22-Nov-17	21-Sep-24	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.01	Key Dates	2496	22-Nov-17	21-Sep-24	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.02	Contract Preliminaries	1936	19-Dec-17	08-Apr-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.03	License/Permit Applications	2341	15-Dec-17	12-May-24	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.04	General Submissions	1484	22-Nov-17	14-Dec-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.05	Design Submissions	1410	15-Dec-17	24-Oct-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.06	Procurement of Major Equipment	2055	14-May-18	28-Dec-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.07	Environmental Works	1975	14-Jan-18	11-Jun-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.07.3	Baseline Noise Monitoring	63	15-Mar-18	16-May-18	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.07.1	Baseline Water Quality Monitoring	77	15-Mar-18	30-May-18	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.07.2	Baseline Ecology Impact Monitoring and Mitigation	125	14-Jan-18	18-May-18	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.07.4	Baseline Air Quality Monitoring Works	365	12-Jun-22	11-Jun-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.08	Maritime Works	1277	28-Dec-17	27-Jun-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.08.3	Submissions	154	28-Dec-17	01-Jun-18	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.08.1	Marine Construction	1265	10-Jan-18	27-Jun-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.08.1.1	Phase I - Construction of Perimeter Seawalls	620	10-Jan-18	21-Sep-19	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.08.1.1.3	Marine Works Preparations	220	10-Jan-18	17-Aug-18	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.08.1.1.1	Seawall at DCW Area	450	29-Jun-18	21-Sep-19	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.08.1.1.2	Seawall at Dredging Area	384	22-Aug-18	09-Sep-19	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.08.1.2	Phase II - Reclamation, Breakwater and Berth Construction	645	22-Sep-19	27-Jun-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.08.1.2.1	Reclamation	645	22-Sep-19	27-Jun-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.08.1.2.2	Breakwater & Berth	533	22-Sep-19	07-Mar-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09	Foundation Works	397	12-Apr-21	13-May-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.0	Site Investigation and Preliminary Pile	46	12-Apr-21	27-May-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.1	Administration Bld Foundation	209	21-Aug-21	17-Mar-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.2	Waste Bunker & Tipping Hall Bld Foundation	203	13-May-21	01-Dec-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.3	Boiler & Flue Gas Bld Foundation	331	12-Apr-21	08-Mar-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.4	ACC Area Foundation	129	31-Jul-21	06-Dec-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.5	Turbine Hall Bld Foundation	142	28-Jun-21	16-Nov-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.6	Air Compressor Bld Foundation	28	17-Nov-21	14-Dec-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.7	Chimney Foundation	198	23-Jul-21	05-Feb-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.8	MT Plant & Desalination Bld Foundation	219	01-Jun-21	05-Jan-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.9	CLP Substation Building Foundation	94	13-May-21	14-Aug-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.10	Access Ramp Bld Foundation	133	23-Sep-21	02-Feb-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.11	Reception Bld Foundation	49	03-Feb-22	23-Mar-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.09.12	Pipe Bridge Foundation	397	12-Apr-21	13-May-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10	Superstructural Works	519	12-Aug-21	12-Jan-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.1	Administration Bld Structure	267	18-Mar-22	09-Dec-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.2	Waste Bunker & Tipping Hall Bld Structure	384	12-Aug-21	30-Aug-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.3	Boiler & Flue Gas Treatment Bld Structure	441	29-Oct-21	12-Jan-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.5	Turbine Hall Bld Structure	262	17-Nov-21	05-Aug-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.6	Air Compressor Bld Structure	63	04-May-22	05-Jul-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.7	Chimney Structure	145	10-Jul-22	01-Dec-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.8	MT Plant & Desalination Bld Structure	196	06-Jan-22	20-Jul-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.9	CLP Substation Structure	84	15-Aug-21	06-Nov-21	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.10	Access Ramp Bld Structure	135	03-Feb-22	17-Jun-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.11	Reception Bld Structure	150	24-Mar-22	20-Aug-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.10.13	Pipe Bridge Structure	180	06-Jul-22	01-Jan-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11	Architectural Builders Works & Finishes	672	07-Nov-21	09-Sep-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11.1	Administration Bld ABWF Works	195	10-Dec-22	22-Jun-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11.2	Waste Bunker & Tipping Hall Bld ABWF Works	225	21-Jul-22	02-Mar-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11.3	Boiler & Flue Gas Bld ABWF Works	240	13-Jan-23	09-Sep-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11.5	Turbine Hall Bld ABWF Works	299	23-Mar-22	15-Jan-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11.6	Air Compressor Bld ABWF Works	105	03-Aug-22	15-Nov-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11.7	Chimney ABWF Works	105	02-Dec-22	16-Mar-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11.8	MT Plant & Desalination Bld ABWF Works	165	28-Jul-22	08-Jan-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11.9	CLP Substation ABWF Works	120	07-Nov-21	06-Mar-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11.10	Access Ramp Bld ABWF Works	165	16-Jul-22	27-Dec-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.11.11	Reception Bld ABWF Works	135	21-Aug-22	02-Jan-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12	Building Services Installation	608	20-Feb-22	20-Oct-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12.1	Administration Bld BS Works	210	25-Mar-23	20-Oct-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12.2	Waste Bunker & Tipping Hall Bld BS Works	210	04-Oct-22	01-May-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12.3	Boiler & Flue Gas Bld BS Works	210	29-Dec-22	26-Jul-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12.5	Turbine Hall Bld BS Works	344	07-Apr-22	16-Mar-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12.6	Air Compressor Bld BS Works	135	02-Sep-22	14-Jan-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12.4	Chimney BS Works	210	15-Feb-23	12-Sep-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12.8	MT Plant & Desalination Bld BS Works	180	11-Oct-22	08-Apr-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12.9	CLP Substation BS Works	230	20-Feb-22	07-Oct-22	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12.10	Access Ramp Bld BS Works	180	29-Sep-22	27-Mar-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.12.11	Reception Bld BS Works	120	04-Dec-22	02-Apr-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13	Process Equipment Installation	647	27-Jan-22	04-Nov-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.2	Waste Bunker & Tipping Hall Bld Process Equipment Installa	214	01-Aug-22	02-Mar-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.3	Boiler House & Flue Gas Treatment Bld Process Equipment	506	27-Jan-22	16-Jun-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.4	ACC Area Equipment Installation	375	23-Apr-22	02-May-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.5	Turbine Hall Bld Equipment Installation	346	02-Jun-22	13-May-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.6	Air Compressor Bld Equipment Installation	150	17-Sep-22	13-Feb-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.8a	MT Process Bld Process Equipment Installation	330	10-Dec-22	04-Nov-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.8b	Desalination Bld Process Equipment Installation	210	12-Aug-22	09-Mar-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.09	CLP Substation Bld Equipment Installation	450	20-Feb-22	15-May-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.10	Ramp & Storage Bld Process Equipment Installation	150	29-Oct-22	27-Mar-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.12	Equipment Installation at External Area	240	15-Sep-22	12-May-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.13.13	External Process Pipe Works	271	03-Oct-22	30-Jun-23	[Gantt chart bars for 2018-2024]																																																																																																																																															
EP_SP_66_12-WP-5.14	Landscape, External Road and Drains Works	590	15-Sep-22	26-Apr-24	[Gantt chart bars for 2018-2024]																																																																																																																																															

Date	Revision	Checked	Approved
04-Dec-17	1st Submission Programme		

