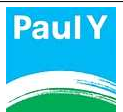


**Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit L12**

**Master Programme**

ID	Task Name	Duration	Start	Finish	Dec	Jan	Feb
1	<b>KEY DATES &amp; MILESTONES</b>	<b>1123 days</b>	<b>Fri 4/12/20</b>	<b>Sun 31/12/23</b>			
2	Contract Period	1123 days	Fri 4/12/20	Sun 31/12/23			
3	Deferred Work Completion Key Dates	784 days	Mon 8/11/21	Sun 31/12/23			
4	Substantial Completion of the Whole Contract Works (1123 Days)	0 days	Sun 31/12/23	Sun 31/12/23			
5	<b>SITE POSSESSION DATES</b>	<b>513 days</b>	<b>Fri 4/12/20</b>	<b>Sun 1/5/22</b>			
6	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Fri 4/12/20	Fri 4/12/20			
7	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Fri 1/1/21	Fri 1/1/21			
8	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Sat 1/5/21	Sat 1/5/21			
9	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Fri 1/10/21	Fri 1/10/21			
10	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Fri 1/4/22	Fri 1/4/22			
11	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Sun 1/5/22	Sun 1/5/22			
12	<b>COMPLETION DATES as per PS1.4.2 Time for Completion</b>	<b>537 days</b>	<b>Thu 30/9/21</b>	<b>Tue 21/3/23</b>			
13	Section A1 (i) - Area south of L12 MSB and L12 HRSBG from GL12-F eastwards leading to Chimney Road at Area F1 & F2	0 days	Thu 30/9/21	Thu 30/9/21			
14	Section A1 (ii) - Supporting structures for overhead cranes of L12 MSB including the associated roof structure except the roof deferred works	0 days	Mon 1/11/21	Mon 1/11/21			
15	Section A2 (i) External Works including CW Inlet Culvert at Area F8A	0 days	Mon 10/1/22	Mon 10/1/22			
16	Section A2 (ii) External Works including CW Inlet Culvert at Area F8B	0 days	Thu 31/3/22	Thu 31/3/22			
17	Section A2 (iii) External Works including CW Inlet Culvert at Area F8C	0 days	Fri 11/3/22	Fri 11/3/22			
18	Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road at Area F3	0 days	Wed 15/12/21	Wed 15/12/21			
19	Section B2 (i) - Southern Part of L12 HRSBG areas and its surrounding refer to Area F6B as shown in drawing no 553/03/2040 including the foundations for Gas Exhaust Duct	0 days	Thu 30/9/21	Thu 30/9/21			
20	Section B2 (ii) - Remaining northern part of L12 HRSBG area and its surrounding at Area F6A and F6C	0 days	Mon 15/11/21	Mon 15/11/21			
21	Section B2 - (iii) L12 Turbo Block foundation including the L12 MSB ground floor together with the equipment foundations between GL 12-F to 12-H and 12-1 to 12-6 for the installation of power generator, air inlet duct and lube oil reservoir	0 days	Mon 28/2/22	Mon 28/2/22			
22	Section B2 - (iv) G/F of L12 MSB including the Condenser Pit, Circulating Water Pipe Pit and equipment foundations between GL 12-B to 12-C and 12-1 to 12-6 for the installation of condenser	0 days	Wed 15/12/21	Wed 15/12/21			
23	Section C - (i) Roads and external grounds surrounding L12 MSB and L12 HRSBG in addition to the southern & eastern areas mentioned above in Area F5	0 days	Sat 15/1/22	Sat 15/1/22			
24	Section C - (ii) Whole of L12 MSB including the pipe and cable rack along south façade of L12 MSB with all underground utilities at Area F4 including C.W. Inlet and Outlet Culvert except the deferred works	0 days	Thu 31/3/22	Thu 31/3/22			
25	Section C - (iii) Link Bridge between L11 and L12 MSB including their associated A&A at L11 MSB	0 days	Sun 10/4/22	Sun 10/4/22			
26	Section D - (i) Microwave Antenna Room and Chimney Windshiled for the installation of microwave equipment and antenna	0 days	Fri 10/6/22	Fri 10/6/22			
27	Section D (ii) - No. 5 Chimney with L12 Steel Flue liner	0 days	Tue 21/3/23	Tue 21/3/23			
28	Section E (i) Tx Room of Administration and Control Building	0 days	Sun 31/10/21	Sun 31/10/21			
29	Section E (ii) - G/F, 1/F, 2/F & Hoisting Well of Admin. & Control Building	0 days	Mon 28/2/22	Mon 28/2/22			
30	Section E (iii) - Whole of Admin. And Control Building	0 days	Tue 31/5/22	Tue 31/5/22			
31	Section F (i) - Gas Receiving Station and L12 Gas Receiving Station Equipment Room (GRS) Area Extension at Area F14	0 days	Wed 30/11/22	Wed 30/11/22	Section F (i) - Gas Receiving Station and L12 Gas Receiving Station Equipment Room (GRS) Area Extension at Area F14		
32	Section F (ii) - Pipe and Cable rack and external work at Area F9A and F9B	0 days	Tue 31/5/22	Tue 31/5/22			
33	Section F (iii) - No. 5 CW Equipment Room, pipe and cable rack, external works at Area F10	0 days	Wed 31/8/22	Wed 31/8/22			
34	Section G (i) - External Work surrounding Area F11	0 days	Wed 26/10/22	Wed 26/10/22			
35	Section G (ii) - External Works at Area F12 & F13	0 days	Fri 30/9/22	Fri 30/9/22			
36	Section G (iii) - FS Modification works along South Seafront Road at Area F15	0 days	Fri 30/9/22	Fri 30/9/22			
37	Section G (iv) - 275kV cable trenches and External Works at Area F16	0 days	Fri 30/9/22	Fri 30/9/22			
38	Section G (v) - Shunt Reactor Compound and External Works at Area F17	0 days	Fri 30/9/22	Fri 30/9/22			
39	Section G (vi) - 275kV cable trenches and External Works at Area F18	0 days	Wed 1/6/22	Wed 1/6/22			
40	Section G (vii) - Flood Wall at No. 4 CW Intake Area along HUA at Area F20A	0 days	Sun 8/5/22	Sun 8/5/22			
41	Section G (viii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20B	0 days	Fri 30/9/22	Fri 30/9/22			
42	Section G (ix) - Bund wall modification works at South Seafront Road at Area F21	0 days	Fri 15/10/21	Fri 15/10/21			
43	Section G (x) - DAX Cable Diversion Works (from Part I to Part IV)	0 days	Sat 31/12/22	Sat 31/12/22	Section G (x) - DAX Cable Diversion Works (from Part I to Part IV)		
44	Section H - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	0 days	Tue 28/2/23	Tue 28/2/23			Section H - All remain
45	<b>GENERAL &amp; PRELIMINARY</b>	<b>228 days</b>	<b>Fri 4/12/20</b>	<b>Mon 19/7/21</b>			
46	First Mobilization	18 days	Fri 4/12/20	Mon 21/12/20			
47	Set up Temporary Site Office and Welfare Facilities	90 days	Tue 22/12/20	Sun 21/3/21			
48	Permit Applications & Statutory Submissions	120 days	Mon 22/3/21	Mon 19/7/21			
49	Existing Utilities scanning & Excavation Permit	45 days	Tue 22/12/20	Thu 4/2/21			
50	Tower Crane erections	60 days	Sun 27/12/20	Wed 24/2/21			
51	<b>TECHNICAL SUBMISSION AND APPROVAL</b>	<b>314 days</b>	<b>Thu 10/12/20</b>	<b>Wed 20/10/21</b>			
52	BD Approval & Consent (If required)	0 days	Thu 10/12/20	Thu 10/12/20			
53	Submission and Approval of Master Programme	14 days	Fri 11/12/20	Thu 24/12/20			
54	Work Execution Overall Plan submission & approval	14 days	Fri 11/12/20	Thu 24/12/20			
55	Material Submissions and approval	300 days	Fri 25/12/20	Wed 20/10/21			
56	Method Statement submission and approval	300 days	Fri 25/12/20	Wed 20/10/21			
57	BIM Model, CSD & CBWD Submission & approval	120 days	Fri 25/12/20	Fri 23/4/21			
58	Structure Steelwork Connection Design Submission & BD approval	45 days	Tue 29/12/20	Thu 11/2/21			
59	Structure Steelwork Shop Drawing & Approval	30 days	Fri 12/2/21	Sat 13/3/21			
60	Metal Cladding, louvre & windows submission & BD approval	45 days	Tue 29/12/20	Thu 11/2/21			
61	Metal Cladding, louvre & windows shop drawing submission	45 days	Fri 12/2/21	Sun 28/3/21			
62	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	120 days	Mon 29/3/21	Mon 26/7/21			
63	ELS Submission and BD approval	90 days	Fri 11/12/20	Wed 10/3/21			
64	No. 5 Chimney windshield temporary work submission, approval & fabrication	60 days	Fri 11/12/20	Mon 8/2/21			
65	Steel Flue Assessment Report and Design Drawings submission & approval	60 days	Tue 9/2/21	Fri 9/4/21			
66	Folding Shutters Shop Drawing Submission & Approval	30 days	Thu 11/2/21	Fri 12/3/21			
67	Fabrication & Delivery of Folding Shutters	180 days	Sat 13/3/21	Wed 8/9/21			
68	Sewage Pump System Design submission & approval	45 days	Tue 23/2/21	Thu 8/4/21			
69	Fabrication & Delivery of Sewage Pump	180 days	Fri 9/4/21	Tue 5/10/21			
70	Other material submission & approval & delivery	180 days	Sat 24/4/21	Wed 20/10/21			
71	Other material submission & approval & delivery	180 days	Sat 24/4/21	Wed 20/10/21			
72	<b>CONSTRUCTION</b>	<b>1123 days</b>	<b>Fri 4/12/20</b>	<b>Sun 31/12/23</b>			
73	<b>Coordination with the Employer's Specialist Contractors</b>	<b>562 days</b>	<b>Fri 15/1/21</b>	<b>Sat 30/7/22</b>			
74	Installation of Puddle Pipes at C.W. outlet Culvert	7 days	Mon 22/3/21	Sun 28/3/21			
75	Installation of Puddle Pipes at C.W. Inlet Culvert	7 days	Thu 27/5/21	Wed 2/6/21			
76	Template setting at L12 Turbo Block Foundation	45 days	Tue 16/11/21	Thu 30/12/21			
77	Template setting of holding down bolts at HRSBG column base	45 days	Fri 15/1/21	Sun 28/2/21			
78	I-beam / channel base installation on top of transformer foundations at Transformer Area	45 days	Tue 1/6/21	Thu 15/7/21			
79	Overhead crane erection at turbine hall using access through a temporary opening at L12 MSB roof between GL12-G to 12-H and 12-2 to 12-6	38 days	Mon 1/11/21	Wed 8/12/21			
80	Condenser assembly and erection using access through a temporary façade opening at L12 MSB below 1/F along GL 12-6 from GL12-B to 12-C including a clear space below 1/F between GL 12-B to 12-C	122 days	Thu 16/12/21	Sat 16/4/22			
81	Installation of power train equipment including air inlet duct using access through a temporary façade opening at L12 MSB below 1/F along GL 12-6 from GL12-F to 12-H including a clear space below 1/F of the above area	121 days	Fri 1/4/22	Sat 30/7/22			
82	Installation of embedded materials such as holding down bolts for equipment foundations - Commencement	0 days	Thu 15/4/21	Thu 15/4/21			
83	<b>Section A1 (i) - Area south of L12 MSB and L12 HRSBG from GL12-F eastwards leading to Chimney Road at Area F1 &amp; F2</b>	<b>301 days</b>	<b>Fri 4/12/20</b>	<b>Thu 30/9/21</b>			
84	Area Possession & Clearance	30 days	Fri 4/12/20	Sat 2/1/21			
85	Subletting / Fabrication / Delivery (both for Area F1 and Area F2)	60 days	Sun 17/1/21	Wed 17/3/21			
86	Excavation for CW Inlet Culvert (Type D Construction Area)	14 days	Tue 1/6/21	Mon 14/6/21			
87	Installation CW Inlet Culvert pipe	70 days	Tue 15/6/21	Mon 23/8/21			
88	Backfill	7 days	Tue 24/8/21	Mon 30/8/21			
89	Construction UG Utilities 2m deep below further surface	21 days	Tue 31/8/21	Mon 27/9/21			
90	Temporary Paving and handover for plant erection	3 days	Tue 28/9/21	Thu 30/9/21			
91	<b>Section A1 (ii) - Supporting structures for overhead cranes of L12 MSB including the associated roof structure except the roof deferred works</b>	<b>333 days</b>	<b>Fri 4/12/20</b>	<b>Mon 1/11/21</b>			
92	Area Possession & Clearance	45 days	Fri 4/12/20	Sun 17/1/21			
93	Subletting / Fabrication / Delivery	210 days	Tue 23/2/21	Mon 20/9/21			
94	Complete structural steel erection	0 days	Tue 19/10/21	Tue 19/10/21			
95	Install Crane Girders	11 days	Tue 12/10/21	Fri 29/10/21			
96	Construction of roof slab (except defer work)	14 days	Tue 12/10/21	Mon 1/11/21			
97	Touch up and handover for install overhead cranes	3 days	Sat 30/10/21	Mon 1/11/21			
98	<b>Section A2 (i) External Works including CW Inlet Culvert at Area F8A</b>	<b>403 days</b>	<b>Fri 4/12/20</b>	<b>Mon 10/1/22</b>			
99	BD consent for Sheetpile installation	30 days	Fri 4/12/20	Sat 2/1/21			
100	Subletting / Fabrication / Delivery (both for Area F8A-F8B)	30 days	Fri 18/12/20	Sat 16/1/21			
101	Area Possession & Clearance	14 days	Sat 2/1/21	Fri 15/1/21			
102	Install Sheet pile	55 days	Sat 16/1/21	Thu 11/3/21			
103	Installation of Additional sheet Pile at South of area F8A	7 days	Sat 17/4/21	Fri 23/4/21			
104	BD Consent for ELS	28 days	Sat 24/4/21	Fri 21/5/21			
105	ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021)	100 days	Fri 16/7/21	Sat 23/10/21			
106	Construction of Thrust Box & Manholes,etc	15 days	Thu 16/9/21	Thu 30/9/21			
107	Backfill, UG Utilities and Road Paving	79 days	Sun 24/10/21	Mon 10/1/22			
108	<b>Section A2 (ii) External Works including CW Inlet Culvert at Area F8B</b>	<b>483 days</b>	<b>Fri 4/12/20</b>	<b>Thu 31/3/22</b>			
109	Area Possession & Clearance	30 days	Mon 1/3/21	Tue 30/3/21			
110	BD consent for Sheetpile installation	30 days	Fri 4/12/20	Sat 2/1/21			
111	Install Sheet pile	90 days	Fri 2/4/21	Wed 30/6/21			
112	BD Consent for ELS	28 days	Thu 1/7/21	Wed 28/7/21			
113	ELS and install CW Inlet Pipe	100 days	Thu 29/7/21	Fri 5/11/21			
114	Construction of Thrust Box & Manholes,etc	15 days	Wed 1/9/21	Wed 15/9/21			
115	Backfill, UG Utilities and Road Paving	146 days	Sat 6/11/21	Thu 31/3/22			
116	<b>Section A2 (iii) External Works including CW Inlet Culvert at Area F8C</b>	<b>365 days</b>	<b>Fri 12/3/21</b>	<b>Fri 11/3/22</b>			
117	Area Possession & Clearance	30 days	Fri 12/3/21	Sat 10/4/21			
118	Subletting / Fabrication / Delivery (for Area F8C)	60 days	Fri 12/3/21	Mon 10/5/21			
119	BD consent for Sheetpile installation	30 days	Tue 13/4/21	Wed 12/5/21			
120	Install Sheet pile	62 days	Thu 13/5/21	Tue 13/7/21			
121	BD Consent for ELS	35 days	Wed 14/7/21	Tue 17/8/21			
122	ELS and install CW Inlet Pipe (including soil nail installation under 19/83014)	76 days	Wed 18/8/21	Thu 20/1/22			
123	Construction of Thrust Box & Manholes,etc	30 days	Fri 21/1/22	Sat 19/2/22			
124	Backfill, UG Utilities and Road Paving	20 days	Sun 20/2/22	Fri 11/3/22			
125	<b>Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road at Area F3</b>	<b>377 days</b>	<b>Fri 4/12/20</b>	<b>Wed 15/12/21</b>			
126	Area Possession & Clearance	30 days	Fri 4/12/20	Sat 2/1/21			



**Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit L12**

**Master Programme**

ID	Task Name	Duration	Start	Finish	Dec	Jan	Feb
127	Subletting / Fabrication / Delivery	120 days	Fri 25/12/20	Fri 23/4/21			
128	Complete CW Pipe Installation & Thrust box	45 days	Tue 25/5/21	Thu 8/7/21			
129	Backfill	30 days	Fri 9/7/21	Sat 7/8/21			
130	Construction of Storm Drain & Manholes	67 days	Mon 20/9/21	Thu 25/11/21			
131	Temp Paving and handover for Condenser Move in	20 days	Fri 26/11/21	Wed 15/12/21			
132	<b>Section B2 - (i) Southern part of L12 HRSG area and its surrounding at Area F6B including the foundations for Gas Exhaust Duct</b>	<b>273 days</b>	<b>Fri 1/1/21</b>	<b>Thu 30/9/21</b>			
133	Area Possession & Clearance	30 days	Fri 1/1/21	Sat 30/1/21			
134	Subletting / Fabrication / Delivery (for F6B Civil and E&M)	120 days	Sat 2/1/21	Sat 1/5/21			
135	Construction of Underground pits	35 days	Tue 8/6/21	Mon 12/7/21			
136	Excavation & Construct Pile Caps & Tie Beams & Piers	86 days	Mon 8/3/21	Thu 19/8/21			
137	Installation of Pipe Pile for HRSG foundation (VO)	48 days	Thu 25/3/21	Tue 11/5/21			
138	Construction HRSG & Gas Duct foundations	112 days	Fri 7/5/21	Fri 3/9/21			
139	Construction of HRSG Equipment Room incl. ABWF & BS (except T&C)	64 days	Tue 4/5/21	Thu 30/9/21			
140	Construction underground utilities within HRSG	55 days	Mon 19/7/21	Sat 11/9/21			
141	Backfill & Construction on-grade slabs & RC plinths on top	14 days	Fri 30/7/21	Mon 27/9/21			
142	Backfill and Temporary paving	21 days	Fri 10/9/21	Thu 30/9/21			
143	<b>Section B2 (ii) - Remaining northern part of L12 HRSG area and its surrounding at Area F6A and F6C</b>	<b>319 days</b>	<b>Fri 1/1/21</b>	<b>Mon 15/11/21</b>			
144	Area Possession and Clearance at Area F6A	30 days	Fri 1/1/21	Sat 30/1/21			
145	Subletting / Fabrication / Delivery (for Area F6A and F6C civil)	90 days	Sat 2/1/21	Thu 1/4/21			
146	Construction of Underground pits (HRSG Blowdown sump pit)	110 days	Sat 2/1/21	Wed 21/4/21			
147	Excavation & Construct Pile Caps & Tie Beams & Piers	139 days	Mon 1/2/21	Sat 10/7/21			
148	Construction underground utilities within HRSG	55 days	Mon 19/7/21	Sat 11/9/21			
149	Construction of Underground pits (GT Oil & Chemical drain pits)	15 days	Thu 5/8/21	Thu 19/8/21			
150	Backfill & Construction on-grade slabs & RC plinths on top	45 days	Sun 12/9/21	Tue 26/10/21			
151	Construct RC Walls	90 days	Thu 22/4/21	Tue 20/7/21			
152	Construction of Underground utilities at F6C	21 days	Tue 19/10/21	Mon 8/11/21			
153	Backfill and Temporary paving	7 days	Tue 9/11/21	Mon 15/11/21			
154	<b>Section B2 - (iii) L12 Turbo Block foundation including the L12 MSB ground floor together with the equipment foundations between GL 12-F to 12-H and 12-1 to 12-6 for the installation of power generator, air inlet duct and lube oil reservoir</b>	<b>452 days</b>	<b>Fri 4/12/20</b>	<b>Mon 28/2/22</b>			
155	Area Possession & Clearance	45 days	Fri 4/12/20	Sun 17/1/21			
156	Subletting / Fabrication / Delivery (Civil+ABWF+BS for MSBL12)	150 days	Fri 25/12/20	Sun 23/5/21			
157	Complete excavation at Type A&C Construction Area	0 days	Sun 21/3/21	Sun 21/3/21			
158	Excavation & Pile Caps & Tie Beams + Slabs (Turbo Block North)	75 days	Sun 31/1/21	Thu 15/4/21			
159	Backfill and construction turbine block & equipment foundation	85 days	Tue 1/6/21	Tue 24/8/21			
160	Excavation & Pile Caps & Tie Beams + Slabs (Turbo Block South)	45 days	Sat 17/4/21	Mon 31/5/21			
161	Construction of internal drainage & on-grade slab	90 days	Wed 1/9/21	Mon 29/11/21			
162	Construction turbine block columns and upper portion for plant embed installation	83 days	Wed 25/8/21	Mon 15/11/21			
163	Concrete Turbine upper part foundation	15 days	Fri 31/12/21	Fri 14/1/22			
164	Construction of Lube Oil Room	14 days	Tue 30/11/21	Fri 28/1/22			
165	Concrete RC walls	115 days	Tue 7/9/21	Thu 30/12/21			
166	ABFW Works	60 days	Thu 4/11/21	Sun 2/1/22			
167	Building Services Works	45 days	Sat 15/1/22	Mon 28/2/22			
168	Remove temporary falsework and scaffolding for installation of power generator	13 days	Mon 7/2/22	Sat 19/2/22			
169	<b>Section B2 - (iv) G/F of L12 MSB including the Condenser Pit, Circulating Water Pipe Pit and equipment foundations between GL 12-B to 12-C and 12-1 to 12-6 for the installation of condenser</b>	<b>377 days</b>	<b>Fri 4/12/20</b>	<b>Wed 15/12/21</b>			
170	Area Possession & Clearance	45 days	Fri 4/12/20	Sun 17/1/21			
171	Subletting / Fabrication / Delivery (for MSB L12 civil)	150 days	Fri 25/12/20	Sun 23/5/21			
172	Excavation to foundation level at ELS SP Type A & C	80 days	Fri 1/1/21	Sun 21/3/21			
173	Install CW Outlet pipe	85 days	Mon 22/3/21	Mon 14/6/21			
174	Construction of CW Outlet Box + lowest tie beam & caps	40 days	Mon 22/3/21	Fri 30/4/21			
175	Construction of pile caps & tie beams & sump pits up to +2.7mPD	26 days	Sat 1/5/21	Wed 26/5/21			
176	Backfill & Construction of CW Inlet Box + tie beams	71 days	Thu 27/5/21	Thu 5/8/21			
177	Construction of pile caps & tie beams at SunShadeCover Area	45 days	Tue 15/6/21	Thu 29/7/21			
178	Backfill and Construction ground beams & trenches	28 days	Thu 27/5/21	Mon 5/7/21			
179	Construction of indoor underground drainage	14 days	Fri 13/8/21	Thu 26/8/21			
180	Backfill & construction on-grade slabs	60 days	Sun 1/8/21	Wed 29/9/21			
181	Construction Column casting and RC walls & equipment foundations	50 days	Thu 30/9/21	Thu 18/11/21			
182	ABFW Works	15 days	Fri 19/11/21	Fri 3/12/21			
183	Building Services Works	20 days	Fri 26/11/21	Wed 15/12/21			
184	Mis. Works and Ready for condenser move in	25 days	Wed 17/11/21	Wed 15/12/21			
185	<b>Section C - (i) Roads and external grounds surrounding L12 MSB and L12 HRSG in addition to the southern &amp; eastern areas mentioned above in Area F5</b>	<b>408 days</b>	<b>Fri 4/12/20</b>	<b>Sat 15/1/22</b>			
186	Area Possession & Clearance	30 days	Fri 4/12/20	Sat 2/1/21			
187	Subletting / Fabrication / Delivery	210 days	Fri 25/12/20	Thu 22/7/21			
188	Complete substructure & Steel Erection works for MSB	0 days	Tue 17/8/21	Tue 17/8/21			
189	Construction all utilities deeper than 2m from future road level	30 days	Wed 18/8/21	Thu 16/9/21			
190	Construction of cable trenches	30 days	Fri 17/9/21	Sat 16/10/21			
191	Backfill and lay temporary paving	91 days	Sun 17/10/21	Sat 15/1/22			
192	<b>Section C - (ii) Whole of L12 MSB including the pipe and cable rack along south facade of L12 MSB with all underground utilities at Area F4 including C.W. Inlet and Outlet Culvert except the deferred works</b>	<b>483 days</b>	<b>Fri 4/12/20</b>	<b>Thu 31/3/22</b>			
193	Area Possession & Clearance	45 days	Fri 4/12/20	Sun 17/1/21			
194	Subletting / Fabrication / Delivery	120 days	Fri 25/12/20	Fri 23/4/21			
195	Construction of pile caps & tie beams at Transformer Area	180 days	Sun 31/1/21	Thu 29/7/21			
196	Backfill and on-grade slab at transformer Area	160 days	Sun 11/4/21	Thu 7/10/21			
197	Construction of Fire Walls at Transformer Area	45 days	Fri 8/10/21	Sun 21/11/21			
198	Excavation & Construction Blow Down Sump pit (SP Type B)	140 days	Wed 14/4/21	Tue 31/8/21			
199	Preparation for S.Steelwork Erection	7 days	Sat 5/6/21	Fri 11/6/21			
200	Structural Delivery & Erection (Turbine Hall North fr G.L. 1-3/H->B)	67 days	Sat 12/6/21	Tue 17/8/21			
201	Structural Delivery & Erection (Equipment Floors)	33 days	Wed 18/8/21	Sun 19/9/21			
202	Structural Delivery & Erection (Turbine Hall South + East Elevation)	47 days	Mon 20/9/21	Mon 15/11/21			
203	Joint Tightening and touch up coating	99 days	Sat 3/7/21	Wed 24/11/21			
204	External Scaffolding Erection	97 days	Thu 15/7/21	Mon 22/11/21			
205	Construction 1/F RC Slab	14 days	Mon 20/9/21	Sun 3/10/21			
206	Construction 2/F RC Slab	7 days	Mon 27/9/21	Sun 10/10/21			
207	Construction 3/F RC Slab	18 days	Thu 30/9/21	Sun 17/10/21			
208	Construction 4/F RC Slab	7 days	Thu 7/10/21	Sun 24/10/21			
209	Construction 5/F RC Slab	44 days	Mon 25/10/21	Tue 7/12/21			
210	Construction 6/F RC Slab	14 days	Wed 1/12/21	Tue 14/12/21			
211	Construction Upper Roof RC Slab	10 days	Sun 12/12/21	Fri 24/12/21			
212	Construction Main Roof RC Slab	39 days	Tue 12/10/21	Fri 19/11/21			
213	Construction Defer Roof RC Slab (G.L. G-H)	14 days	Wed 1/12/21	Tue 14/12/21			
214	Construction of Staircase ST-01 & lift shaft & machine room	130 days	Fri 27/8/21	Mon 3/1/22			
215	Construction M/F RC Slab	14 days	Wed 1/9/21	Tue 14/9/21			
216	Lift Installation	60 days	Tue 4/1/22	Fri 4/3/22			
217	Construction of Staircase ST-02 except defer work	68 days	Mon 11/10/21	Fri 24/12/21			
218	Construction of RC plinth, kerbs & parapet Walls	40 days	Sat 20/11/21	Wed 29/12/21			
219	Erection of Skylight & Roof Features	50 days	Fri 26/11/21	Fri 14/1/22			
220	Waterproofing & Flooring at Roof	34 days	Thu 30/12/21	Thu 17/2/22			
221	ABFW Works	100 days	Fri 8/10/21	Sat 15/1/22			
222	Building Services Works	105 days	Tue 16/11/21	Mon 28/2/22			
223	Metal Cladding, Windows and Louvres incl. roof feature	185 days	Mon 23/8/21	Wed 23/2/22			
224	Removal of external scaffolding	90 days	Wed 1/12/21	Mon 28/2/22			
225	Installation of Catwalk at south elevation	26 days	Mon 31/1/22	Tue 1/3/22			
226	Cladding, ABWF & BS Works	30 days	Wed 2/3/22	Thu 31/3/22			
227	Removal of temporary works & clearance for plant erection contractor	30 days	Sun 30/1/22	Mon 28/2/22			
228	<b>Section C - (iii) Link Bridge between L11 and L12 MSB includin their associated A&amp;A at L11 MSB</b>	<b>493 days</b>	<b>Fri 4/12/20</b>	<b>Sun 10/4/22</b>			
229	BD Consent	0 days	Fri 4/12/20	Fri 4/12/20			
230	Subletting / Fabrication / Delivery (For BS and ABWF)	250 days	Fri 25/12/20	Tue 31/8/21			
231	Clearing Works and plant set-up	30 days	Fri 3/12/21	Sat 1/1/22			
232	Dismantle of north scaffold for link bridge erection	0 days	Tue 25/1/22	Tue 25/1/22			
233	A&A works at South of L11 MSB	30 days	Fri 3/12/21	Sat 1/1/22			
234	Erection of link bridge structural steel	30 days	Sun 2/1/22	Mon 31/1/22			
235	Casting of bridge deck	11 days	Tue 1/2/22	Fri 11/2/22			
236	Metal roofing installation	24 days	Sat 12/2/22	Mon 7/3/22			
237	ABWF work	30 days	Sun 20/2/22	Mon 21/3/22			
238	BS Works	20 days	Tue 22/3/22	Sun 10/4/22			
239	Ready for power cable laying work by others	0 days	Sun 10/4/22	Sun 10/4/22			
240	<b>Section D - (ii) No. 5 Chimney with L12 Steel Flue Liner</b>	<b>810 days</b>	<b>Fri 1/1/21</b>	<b>Tue 21/3/23</b>			
241	Area Possession & Clearance	45 days	Fri 1/1/21	Sun 14/2/21			
242	Subletting / Fabrication / Delivery (For Civil and BS for Microwave Antenna and Equipment)	120 days	Fri 8/1/21	Fri 7/5/21			
243	Excavation & Pile Cap & Backfill	90 days	Sat 2/1/21	Thu 1/4/21			
244	Tower Crane erection	30 days	Tue 11/5/21	Wed 9/6/21			
245	Construction of Wind Shiled + clearance for internal floors and flue+Ground slab	308 days	Fri 2/4/21	Mon 4/4/22			
246	Structural steel fabrication & Delivery for floors and staircase	201 days	Mon 3/1/22	Fri 22/7/22			
247	Erection of steel floors	79 days	Tue 19/4/22	Wed 6/7/22			
248	Construction of G/F room incl. Microwave Antenna Rm	45 days	Thu 7/7/22	Sat 20/8/22			
249	Construction of 1/F RC slab	8 days	Sat 13/8/22	Sat 20/8/22			
250	Construction of 2/F RC Slab	8 days	Fri 5/8/22	Fri 12/8/22			
251	Construction of 3/F RC slab	8 days	Thu 28/7/22	Thu 4/8/22			
252	Construction of 4/F RC slab	8 days	Thu 7/7/22	Thu 14/7/22			
253	Construction of Roof RC slab	61 days	Tue 21/6/22	Sat 20/8/22			
254	Removal of tower Crane	7 days	Sun 21/8/22	Sat 27/8/22			
255	Steel Flue fabrication and delivery	145 days	Sat 5/3/22	Wed 27/7/22			
256	Set up for steel flue installation	60 days	Tue 5/7/22	Fri 2/9/22			
257	Lift & install steel flue liner + cladding works	161 days	Thu 28/7/22	Wed 4/1/23			
258	Lift installation	100 days	Mon 12/12/22	Tue 21/3/23			
259	Installation Louvre & Doors	30 days	Thu 5/1/23	Fri 3/2/23			
260	Mis works, Demobilization and ready for gas duct connection	17 days	Thu 5/1/23	Sat 21/1/23			



**Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit L12**

**Master Programme**

ID	Task Name	Duration	Start	Finish	Dec	Jan	Feb
261	<b>Section D (i) - ABWF and BS Works at Microwave Antenna Room and Chimney Windshield for installation of microwave and antenna</b>	<b>102 days</b>	<b>Tue 1/3/22</b>	<b>Fri 10/6/22</b>			
262	Completion of Microwave Antenna Room	0 days	Tue 1/3/22	Tue 1/3/22			
263	Remaining ABWF & BS Works	100 days	Thu 3/3/22	Fri 10/6/22			
264	<b>Section E - (i) Administration and Control Building (Transformer Room)</b>	<b>332 days</b>	<b>Fri 4/12/20</b>	<b>Sun 31/10/21</b>			
265	Area Possession & Clearance + BD consent	60 days	Fri 4/12/20	Mon 1/2/21			
266	Subletting / Fabrication / Delivery (For Civil+BS+ABWF)	100 days	Tue 2/2/21	Wed 12/5/21			
267	Excavation works	45 days	Fri 4/12/20	Sun 17/1/21			
268	Main Earth Grid Installation	45 days	Sun 3/1/21	Tue 16/2/21			
269	Pile cap and Tie Beam	45 days	Sun 3/1/21	Tue 16/2/21			
270	Tower Crane Erection and modification works	49 days	Wed 10/2/21	Tue 30/3/21			
271	Substructure + Bearing walls + On grade slabs	115 days	Wed 17/2/21	Fri 11/6/21			
272	Construction of RC up to 1/F incl. staircases	69 days	Sat 12/6/21	Thu 19/8/21			
273	ABWF at G/F	52 days	Fri 10/9/21	Sun 31/10/21			
274	<b>Section E (ii) Handover G/F, 1/F, 2/F &amp; Hoisting Well</b>	<b>452 days</b>	<b>Fri 4/12/20</b>	<b>Mon 28/2/22</b>			
275	Clearing Works and plant set-up	21 days	Sun 31/10/21	Sat 20/11/21			
276	Subletting / Fabrication / Delivery (For NSC Lift)	180 days	Sun 3/1/21	Sat 31/7/21			
277	Construction of RC up to 2/F incl. staircases	25 days	Sat 14/8/21	Mon 13/9/21			
278	Construction of RC up to 3/F incl. staircases	20 days	Thu 2/9/21	Tue 21/9/21			
279	Temporary Hoist erection	14 days	Wed 22/9/21	Tue 5/10/21			
280	Construction of RC up to 4/F incl. staircases	20 days	Thu 16/9/21	Tue 5/10/21			
281	Construction of RC up to R/F incl. staircases	25 days	Thu 30/9/21	Sun 24/10/21			
282	Construction of RC up to lift machine room	21 days	Mon 25/10/21	Sun 14/11/21			
283	Construction of RC up to UR/F	21 days	Mon 15/11/21	Sun 5/12/21			
284	External Wall Finish, Cladding + Windows and Louvres + Features	138 days	Thu 30/9/21	Mon 14/2/22			
285	ABWF at 1/F	95 days	Fri 8/10/21	Mon 10/1/22			
286	ABWF at 2/F	96 days	Fri 15/10/21	Tue 18/1/22			
287	Building Services Works at G/F, 1/F, 2/F & Hoisting Well	147 days	Tue 5/10/21	Mon 28/2/22			
288	<b>Section E (iii) Whole of Administration and Control Building</b>	<b>544 days</b>	<b>Fri 4/12/20</b>	<b>Tue 31/5/22</b>			
289	Subletting / Fabrication / Delivery (For BS+ABWF)	127 days	Sat 23/10/21	Sun 20/3/22			
290	Construction of New UG Grey Water Tank	60 days	Mon 20/3/23	Thu 18/5/23			
291	Submission of WW046 for commencement	60 days	Wed 19/1/22	Sat 19/3/22			
292	ABWF at 3/F	120 days	Mon 25/10/21	Mon 21/2/22			
293	ABWF at 4/F	90 days	Wed 24/11/21	Mon 21/2/22			
294	ABWF at R/F	60 days	Wed 15/12/21	Sat 12/2/22			
295	ABWF at UR/F + Lift Machine Room	45 days	Wed 5/1/22	Fri 18/2/22			
296	Bridge Erection & Connection	28 days	Mon 7/2/22	Mon 28/3/22			
297	Installation of Raised floors	60 days	Fri 7/1/22	Fri 29/4/22			
298	Removal of external scaffolding	39 days	Mon 24/1/22	Wed 9/3/22			
299	Waterproofing & screeding	60 days	Mon 6/12/21	Thu 3/2/22			
300	Removal of Tower Crane	7 days	Thu 10/3/22	Wed 16/3/22			
301	External utilities and road work	45 days	Tue 8/2/22	Thu 14/4/22			
302	Building Services Works	160 days	Tue 7/12/21	Sun 15/5/22			
303	False ceiling after BS works	54 days	Tue 29/3/22	Sat 21/5/22			
304	Submission of WW046 for completion	30 days	Wed 9/3/22	Thu 7/4/22			
305	Submission of FS inspection	14 days	Fri 13/5/22	Thu 26/5/22			
306	Submission for OP Inspection	14 days	Wed 18/5/22	Tue 31/5/22			
307	<b>Section F (i) - Gas Receiving Station and L12 Gas Receiving Station Equipment Room (GRS) Area Extension at Area F14</b>	<b>548 days</b>	<b>Tue 1/6/21</b>	<b>Wed 30/11/22</b>			
308	Area Possession & Clearance + BD consent	90 days	Tue 1/6/21	Sun 29/8/21			
309	Subletting / Fabrication / Delivery	30 days	Tue 22/6/21	Wed 21/7/21			
310	Installation of pipe pile at north of GRS (VO)	134 days	Mon 5/7/21	Mon 15/11/21			
311	Construction Equipment room extension	145 days	Sun 31/10/21	Thu 24/3/22			
312	Modification of existing drainage	45 days	Fri 25/3/22	Sun 8/5/22			
313	Excavation & earthing for Skid foundations	21 days	Mon 9/5/22	Sun 29/5/22			
314	Construction of Skid foundation	45 days	Mon 30/5/22	Wed 13/7/22			
315	Construct underground utilities and drainage	45 days	Thu 14/7/22	Sat 27/8/22			
316	Backfill and road works	60 days	Sun 28/8/22	Wed 26/10/22			
317	Relocate / install new fencing for completion	21 days	Thu 27/10/22	Wed 16/11/22	ending for completion		
318	Mis. Work and ready for OP inspection	14 days	Thu 17/11/22	Wed 30/11/22	Mis. Work and ready for OP inspection		
319	<b>Section F (ii) - Pipe and Cable rack and external work at Area F9A and F9B</b>	<b>515 days</b>	<b>Sat 2/1/21</b>	<b>Tue 31/5/22</b>			
320	BD consent + Site Possession at Area F9A & F9B	90 days	Sat 2/1/21	Thu 1/4/21			
321	Excavation & Plate load test	30 days	Mon 1/11/21	Tue 30/11/21			
322	Construction new footing for pipe rack	30 days	Wed 1/12/21	Thu 30/12/21			
323	Underground utilities and road works for completion	11 days	Thu 31/3/22	Tue 31/5/22			
324	Structural Steel fabrication & Delivery	90 days	Sat 2/10/21	Thu 30/12/21			
325	Erection of new pipe rack	70 days	Fri 31/12/21	Thu 10/3/22			
326	Mis. Work and ready for OP inspection	21 days	Wed 11/5/22	Tue 31/5/22			
327	<b>Section F (iii) - No. 5 CW Equipment Room, pipe and cable rack, external works at Area F10</b>	<b>457 days</b>	<b>Tue 1/6/21</b>	<b>Wed 31/8/22</b>			
328	Area Possession & Clearance + BD consent	90 days	Tue 1/6/21	Sun 29/8/21			
329	Subletting / Fabrication / Delivery For ABWF + BS	150 days	Wed 2/6/21	Fri 29/10/21			
330	Installation of Sheet Pile (VO)	85 days	Tue 1/6/21	Tue 24/8/21			
331	Consent for ELS Works	28 days	Wed 25/8/21	Tue 21/9/21			
332	Excavation & Plate load test	30 days	Wed 22/9/21	Thu 21/10/21			
333	Construction new footing for equipment room	68 days	Thu 23/12/21	Mon 28/2/22			
334	Superstructure for equipment room	60 days	Tue 1/3/22	Fri 29/4/22			
335	ABWF Works	45 days	Sat 30/4/22	Mon 13/6/22			
336	BS Works	30 days	Wed 1/6/22	Thu 30/6/22			
337	Construction RC Wall & plinths & drainage at Chlorinator area	45 days	Wed 30/3/22	Fri 13/5/22			
338	External wall finish & remove scaffolding	30 days	Sat 14/5/22	Sun 12/6/22			
339	Excavation & Plate load test for pipe rack extension (For F45-47 & F49)	30 days	Sat 16/10/21	Sun 14/11/21			
340	Construction new footing for pipe rack (For F45-47 & F49)	45 days	Mon 15/11/21	Wed 29/12/21			
341	Underground utilities and road works for completion	60 days	Thu 30/12/21	Sun 27/2/22			
342	Structural Steel fabrication & Delivery	90 days	Sun 12/12/21	Fri 11/3/22			
343	Backfilling and prepare for steel erection	12 days	Mon 28/2/22	Fri 11/3/22			
344	Excavation & Plate Load test for pipe rack extension (For F48 F56)	14 days	Wed 30/3/22	Tue 12/4/22			
345	Construction of new footing for pipe rak (For F48 & F56)	14 days	Wed 13/4/22	Tue 26/4/22			
346	Erection of new pipe rack (For F48 & F56)	65 days	Tue 3/5/22	Wed 6/7/22			
347	Erection of new pipe rack (For F45-47 & F49)	70 days	Sat 12/3/22	Fri 20/5/22			
348	Mis. Work and ready for OP inspection	56 days	Thu 7/7/22	Wed 31/8/22			
349	<b>Section G (i) - External Work surrounding Area F11</b>	<b>145 days</b>	<b>Sat 4/6/22</b>	<b>Wed 26/10/22</b>			
350	Area Possession & Clearance after handover from No. 5 Intake Contractor	30 days	Sat 4/6/22	Sun 3/7/22			
351	Subletting / Fabrication / Delivery	30 days	Sat 4/6/22	Sun 3/7/22			
352	Submission WWO046 for commencement	30 days	Sat 4/6/22	Sun 3/7/22			
353	Construct Underground utilities and drainage	30 days	Mon 20/6/22	Tue 19/7/22			
354	Install new FS Hydrant	20 days	Mon 20/6/22	Sat 9/7/22			
355	Submission WWO046 for completion	30 days	Sat 30/7/22	Sun 28/8/22			
356	Construction Road extension	58 days	Sat 30/7/22	Sun 25/9/22			
357	Construction road paving and install fencing	30 days	Mon 26/9/22	Tue 25/10/22			
358	Ready for OP inspection	14 days	Thu 13/10/22	Wed 26/10/22			
359	<b>Section G (ii) - External Works at Area F12 &amp; F13</b>	<b>666 days</b>	<b>Fri 4/12/20</b>	<b>Fri 30/9/22</b>			
360	Area Possession & Clearance after handover from other	45 days	Fri 4/12/20	Sun 17/1/21			
361	Subletting / Fabrication / Delivery	180 days	Thu 4/3/21	Mon 30/8/21			
362	Excavation	21 days	Sat 23/10/21	Fri 12/11/21			
363	Submission WWO046 for commencement	30 days	Sat 13/11/21	Sun 12/12/21			
364	Construct Underground utilities and drainage	90 days	Mon 13/12/21	Sat 12/3/22			
365	Install new FS Hydrant	30 days	Sun 13/3/22	Mon 11/4/22			
366	Submission WWO046 for completion	30 days	Tue 12/4/22	Wed 11/5/22			
367	Construction Road extension	127 days	Thu 12/5/22	Thu 15/9/22			
368	Complete with Mis. Works for completion	15 days	Fri 16/9/22	Fri 30/9/22			
369	<b>Section G (iii) - FS Modification works along South Seafont Road at Area F15</b>	<b>183 days</b>	<b>Fri 1/4/22</b>	<b>Fri 30/9/22</b>			
370	Area Possession & Clearance after handover from other	45 days	Fri 1/4/22	Sun 15/5/22			
371	Subletting / Fabrication / Delivery	21 days	Fri 1/4/22	Thu 21/4/22			
372	Temporary Traffic Arrangement approval	14 days	Fri 1/4/22	Thu 14/4/22			
373	Utilities scanning and expose existing FS	14 days	Fri 15/4/22	Thu 28/4/22			
374	Determine new FS alignment	21 days	Fri 29/4/22	Thu 19/5/22			
375	Submission to FSD	14 days	Fri 20/5/22	Thu 2/6/22			
376	Modification of FS	60 days	Fri 3/6/22	Mon 1/8/22			
377	Backfill and reinstatement + report to FSD	60 days	Tue 2/8/22	Fri 30/9/22			
378	<b>Section G (iv) - 275kV cable trenches and External Works at Area F16</b>	<b>518 days</b>	<b>Sat 1/5/21</b>	<b>Fri 30/9/22</b>			
379	Area Possession & Clearance	60 days	Sat 1/5/21	Tue 29/6/21			
380	Subletting / Fabrication / Delivery	210 days	Wed 17/11/21	Tue 14/6/22			
381	Temporary Traffic Arrangement approval	60 days	Sat 1/5/21	Tue 29/6/21			
382	Removal of aboveground services	60 days	Wed 30/6/21	Sat 28/8/21			
383	Utilities scanning and expose existing UU	30 days	Sun 29/8/21	Mon 27/9/21			
384	Arrange of diversion existing UG utilities	90 days	Tue 28/9/21	Sun 26/12/21			
385	Construct new cable trenches	173 days	Mon 27/12/21	Fri 17/6/22			
386	Realignment / install new UG utilities	60 days	Sat 18/6/22	Tue 16/8/22			
387	Backfill and reinstatement + ready for cable laying by others	45 days	Wed 17/8/22	Fri 30/9/22			
388	<b>Section G (v) - Shunt Reactor Compound and External Works at Area F17</b>	<b>666 days</b>	<b>Fri 4/12/20</b>	<b>Fri 30/9/22</b>			
389	Temporary Traffic Arrangement approval	45 days	Fri 4/12/20	Sun 17/1/21			
390	Subletting / Fabrication / Delivery	100 days	Fri 25/12/20	Sat 3/4/21			
391	BD approval & consent for pipe pile installation	90 days	Fri 4/12/20	Wed 3/3/21			
392	Area Possession & Clearance	14 days	Thu 4/3/21	Wed 17/3/21			
393	Removal of aboveground services	21 days	Thu 18/3/21	Wed 7/4/21			
394	Utilities scanning and expose existing UU	15 days	Thu 8/4/21	Thu 22/4/21			
395	Arrange of diversion existing UG utilities	45 days	Fri 23/4/21	Sun 6/6/21			
396	Install pipe piles	61 days	Sun 23/5/21	Thu 22/7/21			
397	BA14 for pipepile and BD consent for ELS	28 days	Fri 23/7/21	Thu 19/8/21			
398	Excavation & install earthing	35 days	Fri 20/8/21	Thu 23/9/21			
399	Construct Pile Caps and Tie Beams	45 days	Fri 24/9/21	Sun 7/11/21			
400	Backfill & Erect scaffold	21 days	Mon 8/11/21	Sun 28/11/21			

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Master Programme

ID	Task Name	Duration	Start	Finish	Dec	Jan	Feb
403	Construct new cable trenches	60 days	Tue 8/3/22	Fri 6/5/22			
404	Install new UG Utilities, Backfill and reinstate & ready for cable laying by Others for DAX1	55 days	Thu 7/4/22	Tue 31/5/22			
405	Realign / install new UG utilities (for DAX2, APX1 & APX3)	117 days	Sat 7/5/22	Wed 31/8/22			
406	Backfill and reinstate & ready for cable laying by others (for DAX2, APX1, & APX3)	30 days	Thu 1/9/22	Fri 30/9/22			
407	<b>Section G (vi) - 275kV cable trenches and External Works at Area F18</b>	<b>397 days</b>	<b>Sat 1/5/21</b>	<b>Wed 1/6/22</b>			
408	Temporary Traffic Arrangement approval	45 days	Sat 1/5/21	Mon 14/6/21			
409	Subletting / Fabrication / Delivery	60 days	Tue 15/6/21	Fri 13/8/21			
410	Area Possession & Clearance	15 days	Sat 1/5/21	Sat 15/5/21			
411	Removal of aboveground services	30 days	Sun 16/5/21	Mon 14/6/21			
412	Utilities scanning and expose existing UU	45 days	Tue 15/6/21	Thu 29/7/21			
413	Arrange of diversion existing UG utilities	60 days	Fri 30/7/21	Mon 27/9/21			
414	Construct new cable trenches	172 days	Tue 28/9/21	Fri 18/3/22			
415	Realign / install new UG utilities	45 days	Sat 19/3/22	Mon 2/5/22			
416	Backfill and reinstate & ready for cable laying by others	30 days	Tue 3/5/22	Wed 1/6/22			
417	<b>Section G (vii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20A</b>	<b>521 days</b>	<b>Fri 4/12/20</b>	<b>Sun 8/5/22</b>			
418	Area Possession & Clearance	30 days	Fri 4/12/20	Sat 2/1/21			
419	Subletting / Fabrication / Delivery	60 days	Fri 25/12/20	Mon 22/2/21			
420	Temporary Traffic Arrangement approval	300 days	Fri 4/12/20	Wed 29/9/21			
421	ELS BD approval & consent	90 days	Fri 18/12/20	Wed 17/3/21			
422	Demolition of existing carriageway	30 days	Thu 11/11/21	Fri 10/12/21			
423	Removal of aboveground services	21 days	Thu 30/9/21	Wed 20/10/21			
424	Utilities scanning and expose existing UU	21 days	Thu 21/10/21	Wed 10/11/21			
425	Arrange of diversion existing UG utilities	30 days	Sat 11/12/21	Sun 9/1/22			
426	Excavation and construction of new Flood wall	65 days	Mon 10/1/22	Tue 15/3/22			
427	Realign / install new UG utilities	30 days	Wed 16/3/22	Thu 14/4/22			
428	Backfill and construct new carriageway	18 days	Fri 15/4/22	Mon 2/5/22			
429	Mis. Work for completion	6 days	Tue 3/5/22	Sun 8/5/22			
430	<b>Section G (viii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20B</b>	<b>365 days</b>	<b>Fri 1/10/21</b>	<b>Fri 30/9/22</b>			
431	Area Possession & Clearance	45 days	Fri 1/10/21	Sun 14/11/21			
432	Subletting / Fabrication / Delivery	90 days	Fri 22/10/21	Wed 19/1/22			
433	Temporary Traffic Arrangement approval	14 days	Fri 1/10/21	Thu 14/10/21			
434	ELS BD approval & consent	90 days	Fri 15/10/21	Wed 12/1/22			
435	Demolition of existing carriageway	60 days	Fri 1/10/21	Mon 29/11/21			
436	Removal of aboveground services	21 days	Tue 30/11/21	Mon 20/12/21			
437	Utilities scanning and expose existing UU	21 days	Tue 21/12/21	Mon 10/1/22			
438	Arrange of diversion existing UG utilities	30 days	Tue 11/1/22	Wed 9/2/22			
439	Install Sheetpiles	55 days	Thu 10/2/22	Tue 5/4/22			
440	BA14 for sheetpile and BD consent for ELS	28 days	Wed 6/4/22	Tue 3/5/22			
441	Excavation and construction of new Flood wall	90 days	Wed 4/5/22	Mon 1/8/22			
442	Realign / install new UG utilities	30 days	Tue 2/8/22	Wed 31/8/22			
443	Backfill and construct new carriageway	21 days	Thu 1/9/22	Wed 21/9/22			
444	Mis. Work for completion	9 days	Thu 22/9/22	Fri 30/9/22			
445	<b>Section G (ix) - Bund wall modification works at South Seafont Road at Area F21</b>	<b>316 days</b>	<b>Fri 4/12/20</b>	<b>Fri 15/10/21</b>			
446	Area Possession & Clearance	45 days	Fri 4/12/20	Sun 17/1/21			
447	Subletting / Fabrication / Delivery	90 days	Fri 25/12/20	Wed 24/3/21			
448	Temporary Traffic Arrangement approval	165 days	Fri 4/12/20	Mon 17/5/21			
449	ELS BD approval & consent	0 days	Thu 17/12/20	Thu 17/12/20			
450	Demolition of existing carriageway	14 days	Tue 18/5/21	Mon 31/5/21			
451	Removal of aboveground services	14 days	Tue 1/6/21	Mon 14/6/21			
452	Utilities scanning and expose existing UU	21 days	Tue 15/6/21	Mon 5/7/21			
453	Arrange of diversion existing UG utilities (include FS pipe under 17/8002)	40 days	Tue 6/7/21	Sat 14/8/21			
454	Excavation and expose existing bund wall & demolish	18 days	Wed 28/7/21	Sat 14/8/21			
455	Construction new bund wall for road junction	21 days	Sat 4/9/21	Fri 24/9/21			
456	Realign / install new UG utilities (include FS pipe under 17/8002)	60 days	Sun 1/8/21	Wed 29/9/21			
457	Backfill and construct new carriageway	16 days	Thu 30/9/21	Fri 15/10/21			
458	Mis. Work for completion	5 days	Mon 11/10/21	Fri 15/10/21			
459	<b>Section G (x) - DAX Cable Diversion Works (from Part I to Part IV)</b>	<b>758 days</b>	<b>Fri 4/12/20</b>	<b>Sat 31/12/22</b>			
460	Temporary Traffic Arrangement approval	14 days	Fri 4/12/20	Thu 17/12/20			
461	Subletting / Fabrication / Delivery	90 days	Fri 25/12/20	Wed 24/3/21			
462	Area Possession & Clearance	45 days	Fri 4/12/20	Sun 17/1/21			
463	Identification of existing cable trench	7 days	Mon 18/1/21	Sun 24/1/21			
464	Part 1 Re-excavation works incl. construction of joint bay (at Water Reservoir Road)	246 days	Mon 25/1/21	Mon 27/9/21			
465	Part 1 Re-excavation works incl. construction of joint bay (other than Reservoir road base on revised routing)	310 days	Mon 25/1/21	Tue 30/11/21			
466	Part 2 Re-excavation works incl. joint bay	120 days	Mon 1/11/21	Mon 28/2/22			
467	Part 3 Re-excavation works incl. joint bay	242 days	Mon 1/11/21	Thu 30/6/22			
468	Part 4 Re-excavation works incl. joint bay & new oil tank pits	92 days	Sat 1/10/22	Sat 31/12/22			
469	Backfill & Reinstatement Part 1	61 days	Mon 1/11/21	Fri 31/12/21			
470	Backfill & Reinstatement Part 2	61 days	Sun 1/5/22	Thu 30/6/22			
471	Backfill & Reinstatement Part 3	61 days	Thu 1/9/22	Mon 31/10/22			
472	<b>Section H - All remaining works shall be completed for reporting completion to BD and ready for OP inspection (PS1.4.4)</b>	<b>775 days</b>	<b>Wed 17/11/21</b>	<b>Sun 31/12/23</b>			
473	<b>Deferred works (MSB &amp; HRSG) Listed in PS 1.4.4</b>	<b>272 days</b>	<b>Wed 17/11/21</b>	<b>Mon 15/8/22</b>			
474	Construction of 12 MSB roof between GL12-G to 12-H and 12-2 to 12-6 after the overhead crane installation by the Employer's Specialist Contractors	38 days	Wed 17/11/21	Fri 7/1/22			
475	Construction of walls of 12 MSB below 1/F along GL 12-6 from GL12-B to 12-C and the associated staircases including the enclosure walls between G/F and 1/F. The Contractor shall allow access for the Employer's Specialist Contractors to use the hoisting we	92 days	Mon 16/5/22	Mon 15/8/22			
476	Provision in associated with hoisting well	21 days	Mon 6/6/22	Sun 26/6/22			
477	Construction of internal partition wall at 1/F of 12 MSB along GL 12-C from GL 12-2 to 12-3 AND North Façade at 1/F of L12 MSB along GL 12-1 from GL 12-B to 12-C	30 days	Sat 16/4/22	Sun 15/5/22			
478	Construction of metal fence and the associated Fire Services (F.S.) installations and installation of removable shelter at Transformer Area	92 days	Mon 16/5/22	Mon 15/8/22			
479	<b>Deferred works (DAX1 and DAX2) Listed in PS 1.4.4</b>	<b>334 days</b>	<b>Wed 1/2/23</b>	<b>Sun 31/12/23</b>			
480	Backfilling of whole DAX1 compartment inside existing joint bay "STJ12" and the new oil tank pit A located aside existing joint bay "STJ12".	59 days	Wed 1/2/23	Fri 31/3/23			
481	Re-excavation of whole DAX2 compartment inside existing joint bay "STJ12".	61 days	Tue 1/8/23	Sat 30/9/23			
482	Backfilling of whole DAX2 compartment inside existing joint bay "STJ12" and the new oil tank pit B located aside existing joint bay "STJ12".	61 days	Wed 1/11/23	Sun 31/12/23			
483	<b>Deferred works (External Work) Listed in PS 1.4.4</b>	<b>121 days</b>	<b>Thu 1/12/22</b>	<b>Fri 31/3/23</b>			
484	Final reinstatement of access roads and pavement surrounding and within L12 MSB and L12 HRSG area	62 days	Thu 1/12/22	Tue 31/1/23			
485	Installation of trench cover and road reinstatement of gas pipe and cable trenches within Area F5, F14, F16, F17 and F18.	90 days	Sun 1/1/23	Fri 31/3/23			
486	Backfilling and road-reinstatement of 275kV cable trenches	90 days	Sun 1/1/23	Fri 31/3/23			
487	All Remaining work ready for OP inspection	0 days	Tue 28/2/23	Tue 28/2/23			
488	<b>STATUTORY SUBMISSION, INSPECTION &amp; APPROVAL</b>	<b>560 days</b>	<b>Tue 16/11/21</b>	<b>Mon 29/5/23</b>			
489	<b>WSD Statutory Submission, Inspection and Approval WWO Part I to III Submission / Approval</b>	<b>256 days</b>	<b>Tue 16/11/21</b>	<b>Fri 29/7/22</b>			
490	WSD: Submit to WSD Form WWO 046 Part I to II - FOR ACB Building (for Ext Works at later stage)	0 days	Tue 16/11/21	Tue 16/11/21			
491	WSD: Vetting Form WWO 046 Part I and II Submission	90 days	Wed 17/11/21	Mon 14/2/22			
492	WSD: Issued of Form WWO 046 Part III by WSD - FOR ACB Building	0 days	Tue 15/2/22	Tue 15/2/22			
493	WSD: Prepare for 1st Amendment for Plumbing Plan	60 days	Tue 15/2/22	Fri 15/4/22			
494	WSD: Submit to WSD 1st Amendment for Plumbing Plan	0 days	Fri 15/4/22	Fri 15/4/22			
495	WSD: Vetting of Plumbing Plan by WSD	60 days	Sat 16/4/22	Tue 14/6/22			
496	WSD: 1st Approval for Plumbing Plan by WSD	0 days	Tue 14/6/22	Tue 14/6/22			
497	WSD: Prepare and Submit for Final Amendment for Plumbing Plan	45 days	Wed 15/6/22	Fri 29/7/22			
498	WSD: Vetting and Final Approval for Plumbing Plan by WSD	0 days	Fri 29/7/22	Fri 29/7/22			
499	<b>WSD Statutory Submission, Inspection and Approval WWO Part IV to V Fire Services Water Submission / Approval</b>	<b>33 days</b>	<b>Fri 29/7/22</b>	<b>Wed 31/8/22</b>			
500	WSD: Form WWO 046 Part IV Submission (FS)	0 days	Fri 29/7/22	Fri 29/7/22			
501	WSD: WSD Received Form WWO046 Part IV and arrange for inspection (FS)	7 days	Sat 30/7/22	Fri 5/8/22			
502	WSD: WSD Inspection (FS)	7 days	Sat 6/8/22	Fri 12/8/22			
503	WSD: WWO 046 Part V Endorsement by WSD (FS)	12 days	Sat 13/8/22	Wed 24/8/22			
504	WSD: WSD Processing Water Supply Connection Certificate (FS)	7 days	Thu 25/8/22	Wed 31/8/22			
505	WSD: Issue by WSD Water Supply Connection Certificate (FS)	0 days?	Wed 31/8/22	Wed 31/8/22			
506	<b>WSD Statutory Submission, Inspection and Approval WWO Part IV to V Potable /Flush Water Submission / Approval</b>	<b>60 days</b>	<b>Fri 19/8/22</b>	<b>Tue 18/10/22</b>			
507	WSD: Form WWO 046 Part IV Submission (Fresh/Flush)	0 days	Fri 19/8/22	Fri 19/8/22			
508	WSD: WSD Acknowledge Form WWO 046	6 days	Sat 20/8/22	Thu 25/8/22			
509	WSD: WSD Inspection with Testing to lead (Fresh/Fluhs)	12 days	Fri 26/8/22	Tue 6/9/22			
510	WSD: Cleansing/Disinfecting Water Tanks / Piping System (Fresh/Flush)	6 days	Wed 9/9/22	Mon 12/9/22			
511	WSD: Collection of Sample for Testing at Accredited Lab (Fresh/Flush)	12 days	Tue 13/9/22	Sat 24/9/22			
512	WSD: Accredited Lab Testing Report of Sample to WSD	12 days	Sun 25/9/22	Thu 6/10/22			
513	WSD: Vetting of Test Report by WSD	6 days	Fri 7/10/22	Wed 12/10/22			
514	WSD: Issue of WWO 046 Part V (Fresh/Flush)	0 days	Wed 12/10/22	Wed 12/10/22			
515	WSD: WSD Processing WWO1005 Water Certification (Fresh/Flush)	6 days	Thu 13/10/22	Tue 18/10/22			
516	WSD: Issue by WSD WWO 1005 Water Certification (Fresh/Flush)	0 days	Tue 18/10/22	Tue 18/10/22			
517	<b>EMSD LIFT Statutory Submission, Inspection and Approval</b>	<b>45 days</b>	<b>Sat 26/3/22</b>	<b>Mon 9/5/22</b>			
518	EMSD: Submission of Lift Form LE5 to EMSD	12 days	Sat 26/3/22	Wed 6/4/22			
519	EMSD: EMSD Makes arrangement for Lift Installation	5 days	Thu 7/4/22	Mon 11/4/22			
520	EMSD: EMSD Inspection to Lift Installation	14 days	Tue 12/4/22	Mon 25/4/22			
521	EMSD: Processing Lift Certificate (Form LE6)	14 days	Tue 26/4/22	Mon 9/5/22			
522	EMSD: Lift Issuance of Form 6 (Lift Certificate)	0 days	Mon 9/5/22	Mon 9/5/22			
523	<b>HKE Transformer Final Inspection</b>	<b>120 days</b>	<b>Thu 30/6/22</b>	<b>Thu 27/10/22</b>			
524	TX Room: Invite HKE For Transformer Room Inspection	7 days	Thu 30/6/22	Wed 6/7/22			
525	TX Room: Give Access to Transformer Room for HKE Contractor	0 days	Wed 6/7/22	Wed 6/7/22			
526	TX Room: Move-IN HKE Transformer Equipments	5 days	Thu 7/7/22	Mon 11/7/22			
527	TX Room: Install HKE Transformer, MEP Works & Testing	90 days	Tue 12/7/22	Sun 9/10/22			
528	TX Room: HKE Power Energization / Inspection	6 days	Mon 10/10/22	Sat 15/10/22			
529	TX Room: Metering Installation	12 days	Sun 16/10/22	Thu 27/10/22			
530	TX Room: HKE Power-ON Date	0 days	Thu 27/10/22	Thu 27/10/22			
531	<b>DSD Drainage Completion Memo</b>	<b>65 days</b>	<b>Sun 2/10/22</b>	<b>Mon 5/12/22</b>			
532	DSD: CCTV Survey Report on Completed Drainage	30 days	Sun 2/10/22	Mon 31/10/22			
533	DSD: Submitted CCTV Report & Form HPB1 of Completed Drainage to DSD For Technical Audit	7 days	Tue 1/11/22	Mon 7/11/22			
534	DSD: Completed Drainage System including TMC Inspection/Technical Audit by DSD	14 days	Tue 8/11/22	Mon 21/11/22			

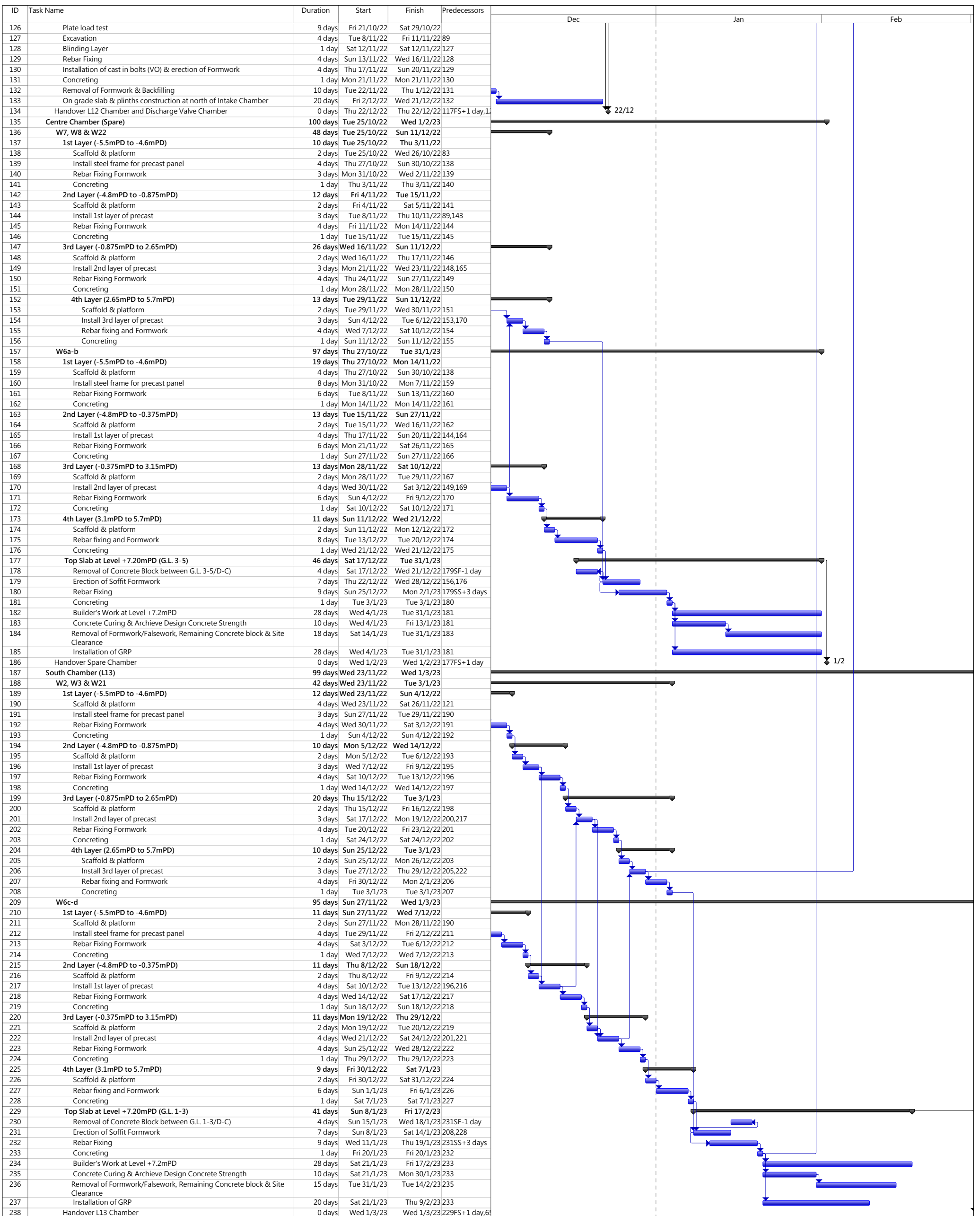
**Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit L12**

**Master Programme**

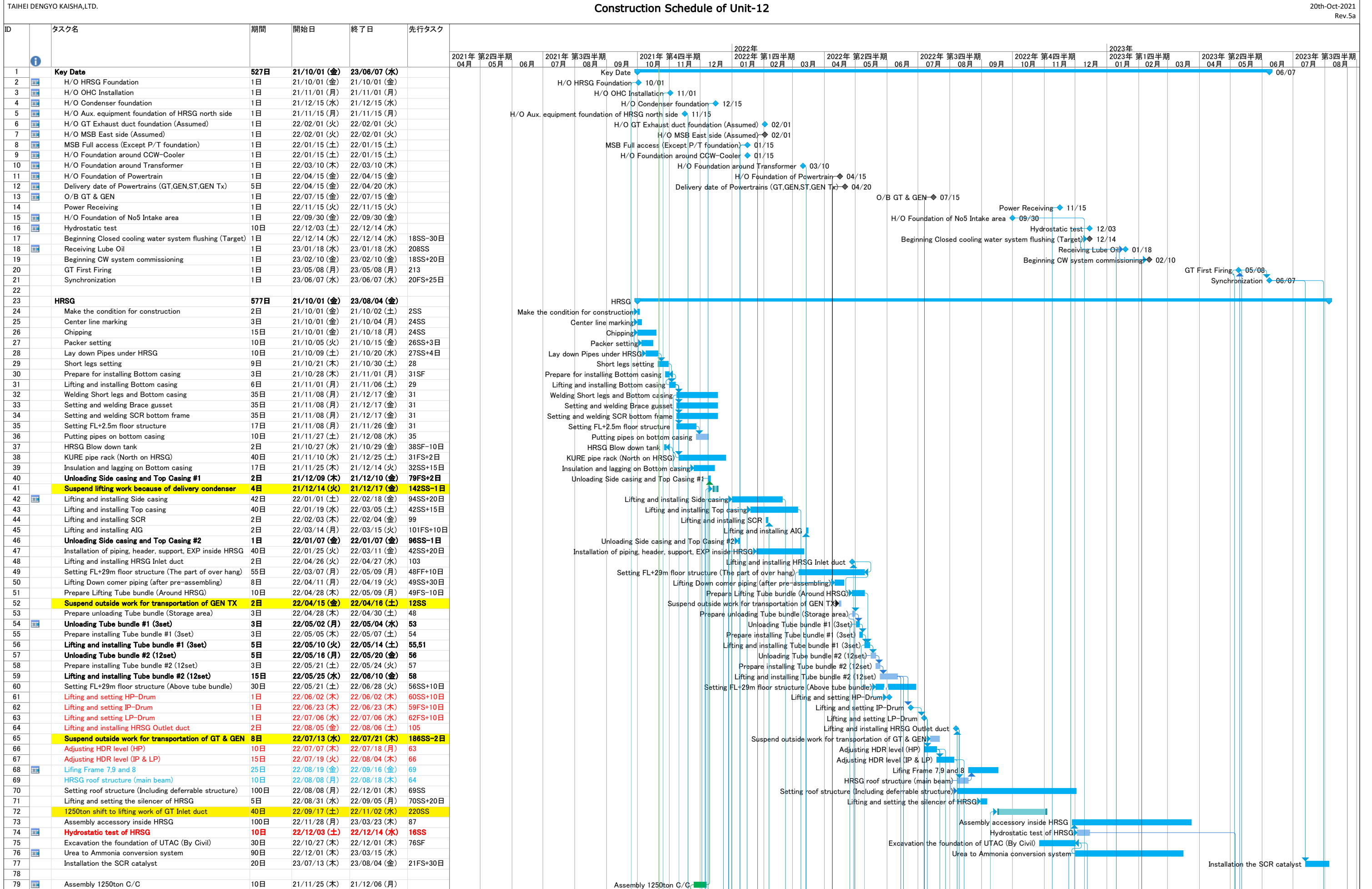
ID	Task Name	Duration	Start	Finish	
535	DSD: Preparation of Drainage Connection Completion Memo by DSD	14 days	Tue 22/11/22	Mon 5/12/22	
536	DSD: Issue of Drainage Connection Completion Memo by DSD	0 days	Mon 5/12/22	Mon 5/12/22	
537	<b>EPD Submission, Inspection and Approval</b>	<b>60 days</b>	<b>Thu 30/6/22</b>	<b>Mon 29/8/22</b>	
538	EPD: License Application to EPD under APCO (Cap 311) for Generator Sets	0 days	Thu 30/6/22	Thu 30/6/22	
539	EPD: Vetting of Application by EPD under APCO (Cap 311) for Generator Sets	60 days	Fri 1/7/22	Mon 29/8/22	
540	EPD: Approval from EPD under APCO (Cap 311) for Generator Sets Installation	0 days	Mon 29/8/22	Mon 29/8/22	
541	<b>FSD VAC Statutory Submission, Inspection and Approval</b>	<b>150 days</b>	<b>Wed 20/7/22</b>	<b>Fri 16/12/22</b>	
542	Preparation of FSD VAC Drawings and Submission to HEC	60 days	Wed 20/7/22	Sat 17/9/22	
543	HEC: Review and Approval	30 days	Sun 18/9/22	Mon 17/10/22	
544	Preparation of VAC Drawings and Submission to FSD	30 days	Tue 18/10/22	Wed 16/11/22	
545	FSD: Review and Approval	30 days	Thu 17/11/22	Fri 16/12/22	
546	<b>FSD Statutory Submission, Inspection and Approval</b>	<b>91 days</b>	<b>Tue 28/2/23</b>	<b>Mon 29/5/23</b>	
547	Testing and Commissioning (Individual System - FSI Related)	45 days	Tue 28/2/23	Thu 13/4/23	
548	FSD: All Sections FS Ingration Test by NSC_BS	15 days	Fri 14/4/23	Fri 28/4/23	
549	FSD: Completion of FS Integration Test by NSC_BS for FS314/501	0 days	Fri 28/4/23	Fri 28/4/23	
550	FSD: Submit Form 213/314 & Form 501 Request for Inspection	0 days	Fri 28/4/23	Fri 28/4/23	
551	FSD: FSD Makes Arrangement for Inspection	7 days	Sat 29/4/23	Fri 5/5/23	
552	FSD: FSD Inspection	12 days	Sat 6/5/23	Wed 17/5/23	
553	FSD: Completion of FS Inspection	0 days	Wed 17/5/23	Wed 17/5/23	
554	FSD: FSD Processing FS Certificate Form 172	12 days	Thu 18/5/23	Mon 29/5/23	
555	FSD: Issue of Fire Services FS Certificate Form 172	0 days	Mon 29/5/23	Mon 29/5/23	
556	<b>PRACTICAL COMPLETION</b>	<b>216 days</b>	<b>Tue 30/5/23</b>	<b>Sun 31/12/23</b>	
557	<b>BD Inspection</b>	<b>97 days</b>	<b>Tue 30/5/23</b>	<b>Sun 3/9/23</b>	
558	BD: Application Form BA13 for OP Application	21 days	Tue 30/5/23	Mon 19/6/23	
559	BD: BD Inspection Date	15 days	Tue 20/6/23	Tue 4/7/23	
560	BD: Reinspection date with defects and rectification works	60 days	Wed 5/7/23	Sat 2/9/23	
561	<b>BD: Obtain Occupation Permit (OP) from BD</b>	<b>1 day</b>	<b>Sun 3/9/23</b>	<b>Sun 3/9/23</b>	
562	<b>As-Built Drawings &amp; Handover Documentation</b>	<b>120 days</b>	<b>Wed 14/6/23</b>	<b>Wed 11/10/23</b>	
563	Prepare and Submit As-Built Drawings & Handover Documentation	45 days	Wed 14/6/23	Fri 28/7/23	
564	Review and Approval	45 days	Sat 29/7/23	Mon 11/9/23	
565	As-Built Drawings & Handover Documentation - Revision by MC	30 days	Tue 12/9/23	Wed 11/10/23	
566	Revised As-Built Drawings & Handover Documentation - Final Submission	0 days	Wed 11/10/23	Wed 11/10/23	
567	<b>Completion of the Whole Contract Works</b>	<b>119 days</b>	<b>Mon 4/9/23</b>	<b>Sun 31/12/23</b>	
568	1st Client Inspection for Review and Comments	30 days	Mon 4/9/23	Tue 3/10/23	
569	Defects and Rectification works	60 days	Wed 4/10/23	Sat 2/12/23	
570	2nd Client Inspection	14 days	Sun 3/12/23	Sat 16/12/23	
571	Minor Defects Rectification Works and Final Inspection	15 days	Sun 17/12/23	Sun 31/12/23	
572	<b>PRACTICAL COMPLETION</b>	<b>0 days</b>	<b>Sun 31/12/23</b>	<b>Sun 31/12/23</b>	



ID	Task Name	Duration	Start	Finish	Predecessors	Dec			Jan			Feb		
						1	2	3	1	2	3	1	2	3
1	<b>19-83014 - Civil Works for No. 5 C.W. Intake and Cable Bridge at Lamma Power Station Extension</b>	<b>223 days</b>	<b>Fri 22/7/22</b>	<b>Wed 1/3/23</b>										
2	<b>No. 5 C.W. Intake</b>	<b>144 days</b>	<b>Fri 22/7/22</b>	<b>Mon 12/12/22</b>										
3	Delivery of Precast No. 5 Intake Chamber	3 days	Fri 22/7/22	Sun 24/7/22										
4	Installation of Precast No. 5 Intake Chamber	2 days	Mon 25/7/22	Tue 26/7/22	3									
5	Prepare formation level for reinstall culvert	18 days	Wed 27/7/22	Sat 13/8/22	4									
6	Reinstate of culvert	7 days	Mon 15/8/22	Sun 21/8/22	5									
7	Reinstate of seawall block	28 days	Mon 22/8/22	Sun 18/9/22	6									
8	Backfill at East Side	20 days	Mon 19/9/22	Sat 8/10/22	7									
9	Reinstate of seawall coping	30 days	Thu 3/11/22	Fri 2/12/22	8FS+25 days									
10	Reinstate of storm drain (MH806 to MH805)	30 days	Thu 3/11/22	Fri 2/12/22	43FS+10 days									
11	Temporary backfill for access at east of Intake Chamber	10 days	Sat 3/12/22	Mon 12/12/22	9,10									
12	<b>In-situ Construction Work for Intake Chamber</b>	<b>194 days</b>	<b>Sat 20/8/22</b>	<b>Wed 1/3/23</b>										
13	<b>Backfilling Work between Pipepile and Intake Chamber External Wall</b>	<b>19 days</b>	<b>Sat 20/8/22</b>	<b>Wed 7/9/22</b>										
14	Backfilling upto +2.80mPD - North side (Between pipepile & W13)	14 days	Sat 20/8/22	Fri 2/9/22										
15	Backfilling upto +2.80mPD - South side (Between pipepile & W1)	5 days	Sat 3/9/22	Wed 7/9/22										
16	Backfilling upto +1.40mPD - West side (Between pipepile & W19)	5 days	Sat 3/9/22	Wed 7/9/22										
17	<b>Backfilling at Discharge Valve Chamber to -0.5mPD</b>	<b>10 days</b>	<b>Fri 9/9/22</b>	<b>Sun 18/9/22</b>										
18	Backfill from -5.50mPD to -1.50mPD for Discharge Valve Chamber	10 days	Fri 9/9/22	Sun 18/9/22										
19	<b>Install Concrete Block Counter Weight</b>	<b>25 days</b>	<b>Tue 23/8/22</b>	<b>Fri 16/9/22</b>										
20	Installation of Concrete Block inside/ on intake chamber/ culvert	25 days	Tue 23/8/22	Fri 16/9/22										
21	<b>Removal of Internal Strut/ King Post</b>	<b>28 days</b>	<b>Sat 20/8/22</b>	<b>Fri 16/9/22</b>										
22	Removal of Internal Strut/ King Post	28 days	Sat 20/8/22	Fri 16/9/22										
23	<b>Dewatering</b>	<b>3 days</b>	<b>Tue 20/9/22</b>	<b>Thu 22/9/22</b>										
24	Dewatering in Chamber Internal Side	3 days	Tue 20/9/22	Thu 22/9/22	14,15,17,19									
25	<b>Corrosion Protection of Rebar</b>	<b>8 days</b>	<b>Fri 23/9/22</b>	<b>Fri 30/9/22</b>										
26	Corrosion Protection of Rebar	8 days	Fri 23/9/22	Fri 30/9/22	23									
27	<b>Construction of Intake Chamber External Wall to Level +5.70mPD</b>	<b>111 days</b>	<b>Sun 28/8/22</b>	<b>Fri 16/12/22</b>										
28	<b>Erection of Scaffolding Supporting Bracket</b>	<b>48 days</b>	<b>Sun 28/8/22</b>	<b>Fri 14/10/22</b>										
29	North Side - W13 (Chamber Internal Side)	6 days	Sun 28/8/22	Fri 2/9/22										
30	South Side - W1 (Chamber Internal Side)	6 days	Fri 2/9/22	Wed 7/9/22										
31	West Side - W19 (Chamber Internal Side)	6 days	Mon 19/9/22	Sat 24/9/22	18									
32	East Side - (Chamber Internal Side)	18 days	Tue 27/9/22	Fri 14/10/22	38SF-1 day									
33	<b>Installation of Scaffolding</b>	<b>51 days</b>	<b>Sat 3/9/22</b>	<b>Sun 23/10/22</b>										
34	<b>Chamber Internal Side</b>	<b>51 days</b>	<b>Sat 3/9/22</b>	<b>Sun 23/10/22</b>										
35	North Side - W13	5 days	Sat 3/9/22	Wed 7/9/22	29									
36	South Side - W1	5 days	Thu 8/9/22	Mon 12/9/22	30									
37	West Side - W19	5 days	Sun 25/9/22	Thu 29/9/22	31									
38	East Side	15 days	Sun 9/10/22	Sun 23/10/22	43SS									
39	<b>Chamber External Side</b>	<b>51 days</b>	<b>Sat 3/9/22</b>	<b>Sun 23/10/22</b>										
40	North Side - W13	5 days	Sat 3/9/22	Wed 7/9/22	14									
41	South Side - W1	5 days	Thu 8/9/22	Mon 12/9/22	15									
42	West Side - W19	5 days	Mon 19/9/22	Fri 23/9/22	18									
43	East Side	15 days	Sun 9/10/22	Sun 23/10/22	8									
44	<b>Rebar Fixing &amp; Formwork</b>	<b>58 days</b>	<b>Thu 8/9/22</b>	<b>Fri 4/11/22</b>										
45	North Side - W13	23 days	Thu 8/9/22	Fri 30/9/22	35,40									
46	South Side - W1	53 days	Tue 13/9/22	Fri 4/11/22	36,41									
47	West Side - W19	33 days	Fri 30/9/22	Tue 1/11/22	37,42									
48	<b>Concreting</b>	<b>18 days</b>	<b>Thu 29/9/22</b>	<b>Sun 16/10/22</b>										
49	North Side - W13	1 day	Sat 1/10/22	Sat 1/10/22	45									
50	South Side - W1	1 day	Sat 5/11/22	Sat 5/11/22	46									
51	West Side - W19	1 day	Wed 2/11/22	Wed 2/11/22	47									
52	<b>Wall construction at Penstock Chamber</b>	<b>54 days</b>	<b>Mon 24/10/22</b>	<b>Fri 16/12/22</b>										
53	External wall	14 days	Mon 24/10/22	Sun 6/11/22	38									
54	W29	5 days	Mon 7/11/22	Fri 11/11/22	53									
55	W26	5 days	Sat 12/11/22	Wed 16/11/22	54,56									
56	W4B & W4C	5 days	Mon 7/11/22	Fri 11/11/22	53									
57	W27 & W28	10 days	Thu 17/11/22	Sat 26/11/22	55									
58	W24 & W25	10 days	Sun 27/11/22	Tue 6/12/22	57									
59	W4A	10 days	Wed 7/12/22	Fri 16/12/22	58									
60	<b>Excavation and installation of CW culvert pipes</b>	<b>59 days</b>	<b>Sat 15/10/22</b>	<b>Mon 12/12/22</b>										
61	Excavation for CW culverts pipe	14 days	Sat 15/10/22	Fri 28/10/22										
62	Installation of CW culvert pipes	14 days	Thu 10/11/22	Wed 23/11/22	51FS+7 days,61									
63	Backfill at west of Intake Chamber	5 days	Thu 24/11/22	Mon 28/11/22	62									
64	On grade slab & plinths construction at west of Intake Chamber	14 days	Tue 29/11/22	Mon 12/12/22	63									
65	<b>Construction of trash pit &amp; RC footings for hoist support</b>	<b>105 days</b>	<b>Wed 16/11/22</b>	<b>Tue 28/2/23</b>										
66	Backfill to bottom level of trash pit at south of Intake Chamber	7 days	Wed 16/11/22	Tue 22/11/22	50FS+10 days									
67	RC works for trash pit & hoist support footings	30 days	Wed 23/11/22	Thu 22/12/22	66									
68	Backfill to ground level at south of Intake Chamber	7 days	Tue 31/1/23	Mon 6/2/23	67,233FS+10 d									
69	On grade slab & plinths construction at south of Intake Chamber	22 days	Tue 7/2/23	Tue 28/2/23	68,206FS+7 d									
70	<b>North Chamber (L12)</b>	<b>91 days</b>	<b>Fri 23/9/22</b>	<b>Thu 22/12/22</b>										
71	<b>W11, W12 &amp; W23</b>	<b>50 days</b>	<b>Fri 23/9/22</b>	<b>Fri 11/11/22</b>										
72	<b>1st Layer (-5.5mPD to -4.6mPD)</b>	<b>20 days</b>	<b>Fri 23/9/22</b>	<b>Wed 12/10/22</b>										
73	Scaffold & platform	7 days	Fri 23/9/22	Thu 29/9/22	23									
74	Install steel frame for precast panel	8 days	Fri 30/9/22	Fri 7/10/22	73									
75	Rebar Fixing Formwork	4 days	Sat 8/10/22	Tue 11/10/22	74									
76	Concreting	1 day	Wed 12/10/22	Wed 12/10/22	75									
77	<b>2nd Layer (-4.8mPD to -0.875mPD)</b>	<b>10 days</b>	<b>Thu 13/10/22</b>	<b>Sat 22/10/22</b>										
78	Scaffold & platform	1 day	Thu 13/10/22	Thu 13/10/22	76									
79	Install 1st layer of precast	5 days	Fri 14/10/22	Tue 18/10/22	78									
80	Rebar Fixing Formwork	4 days	Tue 18/10/22	Fri 21/10/22	79FS-1 day									
81	Concreting	1 day	Sat 22/10/22	Sat 22/10/22	80									
82	<b>3rd Layer (-0.875mPD to 2.65mPD)</b>	<b>13 days</b>	<b>Sun 23/10/22</b>	<b>Fri 4/11/22</b>										
83	Scaffold & platform	2 days	Sun 23/10/22	Mon 24/10/22	81									
84	Install 2nd layer of precast	5 days	Thu 27/10/22	Mon 31/10/22	83,100									
85	Rebar Fixing Formwork	4 days	Mon 31/10/22	Thu 3/11/22	84FS-1 day									
86	Concreting	1 day	Fri 4/11/22	Fri 4/11/22	85									
87	<b>4th Layer (2.65mPD to 5.7mPD)</b>	<b>7 days</b>	<b>Sat 5/11/22</b>	<b>Fri 11/11/22</b>										
88	Scaffold & platform	1 day	Sat 5/11/22	Sat 5/11/22	86									
89	Install 3rd layer of precast	2 days	Sun 6/11/22	Mon 7/11/22	88									
90	Rebar fixing and Formwork	4 days	Mon 7/11/22	Thu 10/11/22	89FS-1 day									
91	Concreting	1 day	Fri 11/11/22	Fri 11/11/22	90									
92	<b>W10a-d &amp; W20</b>	<b>46 days</b>	<b>Fri 30/9/22</b>	<b>Mon 14/11/22</b>										
93	<b>1st Layer (-5.5mPD to -4.6mPD)</b>	<b>13 days</b>	<b>Fri 30/9/22</b>	<b>Wed 12/10/22</b>										
94	Scaffold & platform	7 days	Fri 30/9/22	Thu 6/10/22	73									
95	Install steel frame for precast panel	2 days	Sat 8/10/22	Sun 9/10/22	74,94									
96	Rebar Fixing Formwork	3 days	Sun 9/10/22	Tue 11/10/22	95FS-1 day									
97	Concreting	1 day	Wed 12/10/22	Wed 12/10/22	96									
98	<b>2nd Layer (-4.8mPD to -0.375mPD)</b>	<b>19 days</b>	<b>Thu 13/10/22</b>	<b>Mon 31/10/22</b>										
99	Scaffold & platform	2 days	Thu 13/10/22	Fri 14/10/22	97									
100	Install 1st layer of precast	8 days	Wed 19/10/22	Wed 26/10/22	99									
101	Rebar Fixing Formwork	5 days	Wed 26/10/22	Sun 30/10/22	100FS-1 day									
102	Concreting	1 day	Mon 31/10/22	Mon 31/10/22	101									
103	<b>3rd Layer (-0.375mPD to 3.15mPD)</b>	<b>8 days</b>	<b>Tue 1/11/22</b>	<b>Tue 8/11/22</b>										



Project: 19-83014 - No. 5 Intake and Cable Br Date: 12 Aug 2022 Rev. 8 - Programme for No. 5 C.W. Intake (D)	<ul style="list-style-type: none"> <li>Task </li> <li>Split </li> <li>Milestone </li> <li>Summary </li> </ul>	<ul style="list-style-type: none"> <li>Project Summary </li> <li>External Tasks </li> <li>External Milestone </li> <li>Inactive Task </li> </ul>	<ul style="list-style-type: none"> <li>Inactive Milestone </li> <li>Inactive Summary </li> <li>Manual Task </li> <li>Duration-only </li> </ul>	<ul style="list-style-type: none"> <li>Manual Summary Rollup </li> <li>Manual Summary </li> <li>Start-only </li> <li>Finish-only </li> </ul>	<ul style="list-style-type: none"> <li>Progress </li> <li>Deadline </li> </ul>
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NOTE  
 1. The key date is subjected in the KOM held on 30th-Sep.  
 2. The east area on the MSB is assumed to be handedover before B-Feb-2022 according to the above key date changed.

3.Considered the affection of KURE's schedule belows;  
 i) Because of delaying the side casing,installation Inlet duct is postponed.  
 ii) Because of delivery 12 TBs in one time, no enough area for pre-ass'y Outlet duct and GT Inlet duct on schedule.











### Construction Schedule of Unit-12

ID	タスク名	期間	開始日	終了日	先行タスク	2021年 2022年 2023年																												
						2021年 第2四半期			2021年 第3四半期			2021年 第4四半期			2022年 第1四半期			2022年 第2四半期			2022年 第3四半期			2022年 第4四半期			2023年 第1四半期			2023年 第2四半期			2023年 第3四半期	
						04月	05月	06月	07月	08月	09月	10月	11月	12月	01月	02月	03月	04月	05月	06月	07月	08月	09月	10月	11月	12月	01月	02月	03月	04月	05月	06月	07月	08月
396	<b>Cabling</b>	<b>313日</b>	<b>22/03/01 (火)</b>	<b>23/02/28 (火)</b>		Cabling																												
397	in Electrical room	120日	22/03/01 (火)	22/07/18 (月)	390SS+36日	in Electrical room																												
398	in MSB	200日	22/07/01 (金)	23/02/18 (土)	392SS+94日	in MSB																												
399	MSB to HRSG	200日	22/07/01 (金)	23/02/18 (土)	392SS+94日	MSB to HRSG																												
400	around HRSG	120日	22/10/12 (水)	23/02/28 (火)	393SS+140日	around HRSG																												
401	around Intake No5	130日	22/09/14 (水)	23/02/11 (土)	395SS+50日	around Intake No5																												
402	<b>Instrument</b>	<b>283日</b>	<b>22/04/01 (金)</b>	<b>23/02/24 (金)</b>		Instrument																												
403	Install Support	184日	22/04/01 (金)	22/11/01 (火)		Install Support																												
404	Piping work	220日	22/06/01 (水)	23/02/11 (土)		Piping work																												
405	Inside GT & ST	115日	22/10/01 (土)	23/02/11 (土)	404SS	Inside GT & ST																												
406	Adjust each measurement	205日	22/07/01 (金)	23/02/24 (金)		Adjust each measurement																												
407																																		
408	<b>Piping</b>	<b>359日</b>	<b>22/03/01 (火)</b>	<b>23/04/24 (月)</b>		Piping																												
409	<b>Main Piping</b>	<b>221日</b>	<b>22/03/12 (土)</b>	<b>22/11/24 (木)</b>		Main Piping																												
410	Around HRSG	100日	22/07/19 (火)	22/11/11 (金)	66	Around HRSG																												
411	North side of MSB	150日	22/06/01 (水)	22/11/22 (火)	256	North side of MSB																												
412	South side of MSB (around gland condenser)	150日	22/03/12 (土)	22/09/02 (金)	270	South side of MSB (around gland condenser)																												
413	Lead piping	60日	22/09/16 (金)	22/11/24 (木)	195	Lead piping																												
414	<b>BOP for lube oil and cooling</b>	<b>250日</b>	<b>22/03/01 (火)</b>	<b>22/12/16 (金)</b>		BOP for lube oil and cooling																												
415	North side of MSB (around CCW)	250日	22/03/01 (火)	22/12/16 (金)		North side of MSB (around CCW)																												
416	South side of MSB (around Lube oil reservoir)	230日	22/03/22 (火)	22/12/14 (水)	269FS+7日	South side of MSB (around Lube oil reservoir)																												
417	<b>Others BOP</b>	<b>200日</b>	<b>22/04/23 (土)</b>	<b>22/12/12 (月)</b>		Others BOP																												
418	Others BOP	200日	22/04/23 (土)	22/12/12 (月)	301	Others BOP																												
419	Assembly the blowing out piping	50日	23/02/24 (金)	23/04/24 (月)	212SF	Assembly the blowing out piping																												
420																																		
421	<b>Crane</b>	<b>459日</b>	<b>21/10/01 (金)</b>	<b>23/03/20 (月)</b>		Crane																												
422	Assembly 1250C/C	10日	21/11/25 (木)	21/12/06 (月)		Assembly 1250C/C																												
423	Operate 1250tonC/C for TOHC	8日	21/12/06 (月)	21/12/14 (火)	125SS	Operate 1250tonC/C for TOHC																												
424	Operate 1250tonC/C for HRSG	189日	21/12/30 (木)	22/08/06 (土)	42SS-2日	Operate 1250tonC/C for HRSG																												
425	Operate 1250tonC/C for GT Air inlet	40日	22/09/19 (月)	22/11/03 (木)	220SS	Operate 1250tonC/C for GT Air inlet																												
426	Operate 1250tonC/C for HRSG roof	35日	22/08/08 (月)	22/09/16 (金)	424	Operate 1250tonC/C for HRSG roof																												
427	Dismantling 1250tonC/C	10日	22/11/04 (金)	22/11/15 (火)	220	Dismantling 1250tonC/C																												
428	Assembly 400tonC/C	5日	22/04/19 (火)	22/04/23 (土)	82SS	Assembly 400tonC/C																												
429	Operate 400tonC/C	44日	22/04/25 (月)	22/06/14 (火)	428	Operate 400tonC/C																												
430	Dismantling 400tonC/C	4日	22/06/15 (水)	22/06/18 (土)	83FF	Dismantling 400tonC/C																												
431	Assembly 750tonA/C for Condenser	1日	22/01/21 (金)	22/01/21 (金)	141SS	Assembly 750tonA/C for Condenser																												
432	Operate 750tonA/C for Condenser	14日	22/01/21 (金)	22/02/05 (土)	431SS	Operate 750tonA/C for Condenser																												
433	Dismantling 750tonA/C for Condenser	1日	22/01/29 (土)	22/01/29 (土)	151SS	Dismantling 750tonA/C for Condenser																												
434	250ton A/C (HRSG and HRSG exhaust)	391日	21/10/01 (金)	22/12/30 (金)	245SS	250ton A/C (HRSG and HRSG exhaust)																												
435	220tonA/C (Unloading & CWP)	380日	21/12/01 (水)	23/02/16 (木)		220tonA/C (Unloading & CWP)																												
436	220tonA/C (GT Inlet duct)	60日	22/11/22 (火)	23/01/30 (月)	222SS-5日	220tonA/C (GT Inlet duct)																												
437	120tonA/C (Unloading & UTAC)	380日	22/01/01 (土)	23/03/20 (月)		120tonA/C (Unloading & UTAC)																												
438																																		
439	<b>Equipment for heavy lifting</b>	<b>202日</b>	<b>21/12/13 (月)</b>	<b>22/08/04 (木)</b>		Equipment for heavy lifting																												
440	<b>SARLIFT</b>	<b>53日</b>	<b>21/12/17 (金)</b>	<b>22/02/16 (水)</b>		SARLIFT																												
441	Assembly the rail for SARLIFT	20日	21/12/17 (金)	22/01/08 (土)	136SS	Assembly the rail for SARLIFT																												
442	Assembly the SARLIFT proper	18日	22/01/10 (月)	22/01/29 (土)	441	Assembly the SARLIFT proper																												
443	Dismantling the SARLIFT	15日	22/01/31 (月)	22/02/16 (水)	152SS	Dismantling the SARLIFT																												
444	<b>Gantry system</b>	<b>43日</b>	<b>22/06/16 (木)</b>	<b>22/08/04 (木)</b>		Gantry system																												
445	Assembly the Gantry for powertrain	21日	22/06/16 (木)	22/07/09 (土)	178SS	Assembly the Gantry for powertrain																												
446	Disassembly the Gantry	15日	22/07/19 (火)	22/08/04 (木)	190SS	Disassembly the Gantry																												
447	<b>Unit carrier</b>	<b>189日</b>	<b>21/12/13 (月)</b>	<b>22/07/20 (水)</b>		Unit carrier																												
448	<b>For Condenser</b>	<b>5日</b>	<b>21/12/13 (月)</b>	<b>21/12/17 (金)</b>		For Condenser																												
449	Preparation for transportation the Condenser	2日	21/12/13 (月)	21/12/15 (水)	450SF	Preparation for transportation the Condenser																												
450	Transportation the Condenser	2日	21/12/15 (水)	21/12/16 (木)	142SS	Transportation the Condenser																												
451	Disassembling Unit carrier	1日	21/12/17 (金)	21/12/17 (金)	450	Disassembling Unit carrier																												
452	<b>For Tube bundle #1</b>	<b>6日</b>	<b>22/04/29 (金)</b>	<b>22/05/05 (木)</b>		For Tube bundle #1																												
453	Assembling Unit carrier for Tube Bundle	2日	22/04/29 (金)	22/05/02 (月)	454SF	Assembling Unit carrier for Tube Bundle																												
454	Transportation the Tube Bundle part1	3日	22/05/02 (月)	22/05/04 (水)	54SS	Transportation the Tube Bundle part1																												
455	Disassembling Unit carrier	1日	22/05/05 (木)	22/05/05 (木)	454	Disassembling Unit carrier																												
456	<b>For Tube bundle #2</b>	<b>8日</b>	<b>22/05/13 (金)</b>	<b>22/05/21 (土)</b>		For Tube bundle #2																												
457	Assembling Unit carrier for Tube Bundle	2日	22/05/13 (金)	22/05/16 (月)	458SF	Assembling Unit carrier for Tube Bundle																												
458	Transportation the Tube Bundle part2	5日	22/05/16 (月)	22/05/20 (金)	57SS	Transportation the Tube Bundle part2																												
459	Disassembling Unit carrier	1日	22/05/21 (土)	22/05/21 (土)	458	Disassembling Unit carrier																												
460	<b>For Unloading Powertrains</b>	<b>8日</b>	<b>22/04/13 (水)</b>	<b>22/04/21 (木)</b>		For Unloading Powertrains																												
461	Assembling Unit carrier for Power Train	2日	22/04/13 (水)	22/04/15 (金)	463SF-1日	Assembling Unit carrier for Power Train																												
462	Transportation the Transformer	1日	22/04/15 (金)	22/04/15 (金)	181SS	Transportation the Transformer																												
463	Transportation the ST lower casing	1日	22/04/16 (土)	22/04/16 (土)	182SS	Transportation the ST lower casing																												
464	Transportation the Generator for storing	1日	22/04/18 (月)	22/04/18 (月)	183SS	Transportation the Generator for storing																												
465	Transportation the Gas Turbine for storing	1日	22/04/19 (火)	22/04/19 (火)	184SS	Transportation the Gas Turbine for storing																												
466	Disassembling the Unit carrier	2日	22/04/20 (水)	22/04/21 (木)	465	Disassembling the Unit carrier																												
467	<b>For Installation of GT and GEN</b>	<b>7日</b>	<b>22/07/13 (水)</b>	<b>22/07/20 (水)</b>		For Installation of GT and GEN																												
468	Assembling Unit carrier for Power Train	2日	22/07/13 (水)	22/07/15 (金)	469SF	Assembling Unit carrier for Power Train																												
469	Transportation the Gas Turbine for storing	1日	22/07/15 (金)	22/07/15 (金)	186SS	Transportation the Gas Turbine for storing																												
470	Transportation the Generator for storing	1日	22/07/18 (月)	22/07/18 (月)	188SS	Transportation the Generator for storing																												
471	Transportation the ST lower casing	1日	22/07/20 (水)	22/07/20 (水)	189SS	Transportation the ST lower casing																												
472	Disassembling the Unit carrier	2日	22/07/19 (火)	22/07/20 (水)	470	Disassembling the Unit carrier																												

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 i) Because of delaying the side casing, installation Inlet duct is postponed.  
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