

SCHEDULE C. Contract No. 16/2209
 Lamma Power Station Extension - Unit 10
 Complete Erection, Inspection, Testing &
 Commissioning of Power Block Facilities

No.	Description	2020	2020	2020
		Jan	Feb	Mar
	Erection Key Date	□ T/O 1-		
A	HRSG PORTION			
A-01	Install Casing (Bottom/Side/Top) with Structure			
A-02	Upper/Lower Connection Pipe			
A-03	Module Install (Bundle Tube Block)			
A-04	Down Commer Pipe			
A-05	Drum Lifting / HDR Level Adjustment			
A-06	Critical Piping/connecting piping (Main Steam, Aux, R/H, HP/LP Feed Water)			
A-07	Other piping			
A-08	Access Platform / Hand Rail			
A-09	Inside Baffle Plate & Seismic Tie Adjust / Setting			
A-10	SCR System			

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A-11	Inlet Duct Structure / Include Pipe Rack (U9-U10 Connection)			
A-12	Inlet Duct			
A-13	Exhaust Duct Structure			
A-14	Exhaust Duct			
A-15	Aux Equip(B/D Tank, HP/IP Feed Water Pump, LP Eco Recirculation Pump, etc.) HP/IP Feed Water Pump Reserve feed water Tank			
A-16	Insulation			
A-17	Painting			
A-18	Install Catalyst			
A-19	Steam Blowing out(other scope) & alkaline boiling out			

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	Installation of Temporary piping, Support & Silencer Exception of Steam blowing out Dismantle of Temporary piping, Support & Silencer Exception of Steam boiling out			
B	GT/ST/GEN PORTION			
B-1	Turbine O/H Crane			
B-2	Condenser			
B-3	Install ST			

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B-4	Install GEN			
B-5	Install GT			

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B-6	Aux Equipment			
B-7	Insulation			
B-8	Painting			
B-9	Switchgear/Hoist/Hoist for condenser			

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	Erection Key Date	□ T/O 1-		
C	ERECTION & INSTRUMENTATION PORTION			
C-1	Transformer & Ancillaries (G Tx, U Tx, Ex Tx, SFC Tx)			
C-2	EQUIPMENT INSTALLATION			
	Generator & Ancillaries			
	Isolated Phase Busducts			
	Switchgear and Accessories			
	UPS, Batterys, Battery Charger System & DBs			
	Electrical Panels & Local Control Panels			
	Control Systems, Control Panels, Local Instrument Cubicle & Rack			
	Channel Base Installation			
C-3	CABLING SYSTEM INSTALLATION			
	Cable Ladder / Tray Installation			
	Conduit Pipe Installation			
	Earthing Installation			
	Cable Laying & Termination			
	Fire Resistant Sealing			
	Cable Trench Opening & Transportation			

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C-4	INSTRUMENTS, INSTR. PIPINGS & AIR TUBE			
	Local Instruments, Piping & Tubing			
	Instrument Calibration			
C-5	OTHER WORK			
	275kV Shunt Reactor Relocation			
	Turbine Overhead Crane, Hoist, Battery Power Supply			
	Existing CWP etc.			
	BOP & Other Works			
	Site Cleaning			
C-6	TESTING & COMMISSIONING			
	Testing & Commissioning			
	Commissioning Assistant			

ID	Task Name	Duration	Start	Finish	Timeline		
					January 2020	February 2020	March 2020
1	Civil and Building Works for Unit 11 and Associated Works	1197 days	Fri 1/6/18	Thu 30/9/21			
2	Contract Key Dates	1197 days	Fri 1/6/18	Thu 30/9/21			
3	Contract Commencement Date	0 days	Fri 1/6/18	Fri 1/6/18			
4	Completion Dates	1044 days	Wed 31/10/18	Thu 30/9/21			
5	Section A1 - Ground treatment installation works at Zone 1A	0 days	Wed 31/10/18	Wed 31/10/18			
6	Section A2 - Ground treatment installation works at Zone 1B	0 days	Wed 31/10/18	Wed 31/10/18			
7	Section A3 - Ground treatment installation works at Zone 2	0 days	Sun 17/3/19	Sun 17/3/19			
8	Section A4 - Ground treatment installation works at Zone 3	0 days	Thu 21/3/19	Thu 21/3/19			
9	Section A5 (i) - Ground treatment installation works at Zone 4 - Band drain installation	0 days	Thu 28/3/19	Thu 28/3/19			
10	Section A5 (ii) - Ground treatment installation works at Zone 4 - Surcharge filling	0 days	Wed 30/9/20	Wed 30/9/20			
11	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	0 days	Sat 28/3/20	Sat 28/3/20			
12	Section A6 (ii) - External works at Area E15	0 days	Sat 15/2/20	Sat 15/2/20			
13	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	0 days	Sun 1/3/20	Sun 1/3/20			
14	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB including the associated roof structure except the roof deferred works	0 days	Tue 17/3/20	Tue 17/3/20			
15	Section B1 (iii) - FSRU Civil works at Area E13	0 days	Mon 31/5/21	Mon 31/5/21			
16	Section B2 - Retractable Cover D at Area E22	0 days	Tue 31/3/20	Tue 31/3/20			
17	Section B3 - External works at Area B1, D2 and D4	0 days	Thu 30/4/20	Thu 30/4/20			
18	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)	0 days	Sun 1/3/20	Sun 1/3/20			
19	Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area E7 except the deferred works for Lube Oil Storage Tank	0 days	Sun 1/12/19	Sun 1/12/19			
20	Section C2 - (ii) L11 Turbo Block foundation including the L11 MSB ground floor together with the equipment foundations between GL 11-F to 11-H and 11-1 to 11-6 for the installation of power generator, air inlet duct and lube oil reservoir	0 days	Thu 30/4/20	Thu 30/4/20			
21	Section C2 - (iii) G/F of L11 MSB including the Condenser Pit, Circulating Water Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-1 to 11-6 for the installation of condenser	0 days	Sun 1/3/20	Sun 1/3/20			
22	Section D - (i) Roads and external grounds surrounding L11 MSB and L11 HRSG in addition to the southern & eastern areas mentioned above in Area E5 and E6	0 days	Tue 31/12/19	Tue 31/12/19			
23	Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding in Area E6	0 days	Sun 1/3/20	Sun 1/3/20			
24	Section D - (iii) Whole of L11 MSB including the pipe and cable rack along south façade of L11 MSB with all underground utilities at Area E4 including C.W. Inlet and Outlet Culvert except the deferred works	0 days	Thu 30/4/20	Thu 30/4/20			
25	Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of L11 MSB including their associated alternations & additions (A&A) Works at L10 MSB	0 days	Thu 30/4/20	Thu 30/4/20			
26	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20	0 days	Sat 1/2/20	Sat 1/2/20			
27	Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to the western area of L11 MSB at Area E3	0 days	Mon 28/9/20	Mon 28/9/20			
28	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	0 days	Tue 30/6/20	Tue 30/6/20			
29	Section E1 - (iii) External Works at Area E15 (C)	0 days	Sun 28/2/21	Sun 28/2/21			
30	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and Pipe and Cable Rack at south of Middle Road at Area E8 and E19	0 days	Thu 17/9/20	Thu 17/9/20			
31	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)	0 days	Tue 30/6/20	Tue 30/6/20			
32	Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)	0 days	Sun 15/9/19	Sun 15/9/19			
33	Section F - 275kV Station Building Extension and associated works at Area E17	0 days	Sat 30/5/20	Sat 30/5/20			
34	Section G - A&A Works at No. 4 C.W. Intake at Area E12	0 days	Sun 31/5/20	Sun 31/5/20			
35	Section H - L11 Steel flue liner at No. 4 Chimney	0 days	Mon 15/7/19	Mon 15/7/19			

ID	Task Name	Duration	Start	Finish	2020		
					January	February	March
36	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	0 days	Fri 15/5/20	Fri 15/5/20			
37	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	0 days	Fri 15/5/20	Fri 15/5/20			
38	Section J - (i) Demolition of Retractable Cover A&B & (ii) Foundation of LMX Light Oil Storage Tank Nos. 3 & 4 and A&A for Existing Bund Wall at	0 days	Fri 30/4/21	Fri 30/4/21			
39	Section K1 - External works at Area 15 (E) and 15(F)	0 days	Mon 31/5/21	Mon 31/5/21			
40	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D7	0 days	Mon 31/5/21	Mon 31/5/21			
41	Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	0 days	Thu 30/9/21	Thu 30/9/21			
42	General & Preliminary	318 days	Fri 1/6/18	Wed 24/4/19			
43	Set up Temporary Site Office and Utilities	90 days	Fri 1/6/18	Wed 29/8/18			
44	Permit Applications & Statuary Submissions	120 days	Thu 30/8/18	Thu 27/12/18			
45	Existing Utilities scanning & Excavation Permit	45 days	Tue 13/11/18	Thu 27/12/18			
46	Tower Crane erection 2@MSB, 1@ 275	50 days	Wed 6/3/19	Wed 24/4/19			
47	Submission and Approval	554 days	Fri 1/6/18	Mon 16/12/19			
48	Method Statement / Temp Work Submission & Approval from HEC for General Works	240 days	Fri 1/6/18	Sat 26/1/19			
49	BD Approval & Consent (If required)	120 days	Fri 1/6/18	Fri 28/9/18			
50	BIM Model, CSD & CBWD Submission & Approval from HEC	200 days	Sat 29/9/18	Fri 26/4/19			
51	Structure Steelwork Connection Design Submission & BD Approval	60 days	Sat 29/9/18	Tue 27/11/18			
52	Structure Steelwork Shop Drawing & Approval	60 days	Sat 13/10/18	Tue 11/12/18			
53	Metal Cladding, louvre & windows submission & BD Approval	60 days	Wed 28/11/18	Sat 26/1/19			
54	Metal Cladding, louvre & windows shop drawing submission	60 days	Wed 12/12/18	Tue 19/2/19			
55	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	180 days	Sat 27/10/18	Sat 4/5/19			
56	Retractable Cover D BD Submission & Approval	90 days	Wed 20/2/19	Mon 20/5/19			
57	No. 4 C.W. Outfall A&A BD 1st Submission	90 days	Thu 30/8/18	Tue 27/11/18			
58	Submission & Approval of Steel Flue Assessment Report and Design Drawings	60 days	Sun 30/9/18	Wed 28/11/18			
59	Submission and Approval of Steel Flue Design from BD	60 days	Sun 30/9/18	Wed 28/11/18			
60	Material Fabrication & Delivery for L11 Flue	100 days	Mon 15/10/18	Tue 22/1/19			
61	Folding Shutters Shop Drawing Submission & Approval	120 days	Wed 20/2/19	Wed 19/6/19			
62	Fabrication & Delivery of Folding Shutters	150 days	Thu 20/6/19	Sat 16/11/19			
63	Sewage Pump System Design submission & approval	90 days	Fri 22/3/19	Wed 19/6/19			
64	Fabrication & Delivery of Sewage Pump	180 days	Thu 20/6/19	Mon 16/12/19	Sewage Pump		
65	Other material submission & approval & delivery	300 days	Thu 30/8/18	Fri 5/7/19			
66	Coordination with the Employer's Specialist Contractors	478 days	Mon 20/5/19	Sat 19/9/20			
67	Installation of Puddle Pipes at C.W. outlet Culvert	7 days	Mon 20/5/19	Sun 26/5/19			
68	Installation of Puddle Pipes at C.W. Inlet Culvert	7 days	Sun 7/7/19	Sat 13/7/19			
69	Template setting at L11 Turbo Block Foundation	60 days	Wed 1/1/20	Mon 9/3/20			Template setting at L11 Turbo Block F
70	Template setting of holding down bolts at HRSG column base	46 days	Tue 23/7/19	Fri 6/9/19			
71	I-beam / channel base installation on top of transformer foundations at Transformer Area	30 days	Fri 17/4/20	Sat 16/5/20			
72	Overhead crane erection at turbine hall using access through a temporary opening at L11 MSB roof between GL11-G to 11-H and 11-2 to 11-6	36 days	Sun 1/12/19	Tue 7/1/20	Overhead crane erection at turbine hall using access through a temporary opening at L11 MSB roof between GL11-G to 11-H and 11-2 to 11-6		
73	Condenser assembly and erection using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-B to 11-C including a clear space below 1/F between GL 11-B to 11-C	127 days	Sun 1/3/20	Sun 5/7/20			
74	Installation of power train equipment including air inlet duct using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-F to 11-H including a clear space below 1/F of the above area	142 days	Fri 1/5/20	Sat 19/9/20			
75	Installation of embedded materials such as holding down bolts for equipment foundations - Commencement	30 days	Sun 23/6/19	Mon 22/7/19			
76	Section A1 & A2 - Ground treatment at Zone 1A & 1B	92 days	Wed 1/8/18	Wed 31/10/18			
77	Plant establishment for earthworks	7 days	Wed 1/8/18	Tue 7/8/18			
78	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	45 days	Wed 8/8/18	Fri 21/9/18			
79	Delivery of band drain	5 days	Wed 29/8/18	Sun 2/9/18			
80	Plant establishment for band drain (1st rig)	10 days	Mon 3/9/18	Wed 12/9/18			
81	Plant establishment for band drain (2nd rig)	7 days	Thu 20/9/18	Wed 26/9/18			
82	Plant establishment for band drain (3rd rig)	7 days	Thu 11/10/18	Wed 17/10/18			

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83	Vert. Band drain installation (1023 nos. x 44m)	45 days	Thu 13/9/18	Sat 27/10/18			
84	Deposition of surcharge up to +8.3mPD	45 days	Mon 17/9/18	Wed 31/10/18			
85	Section A3 - Ground treatment installation works at Zone 2	158 days	Mon 1/10/18	Sun 17/3/19			
86	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	30 days	Mon 1/10/18	Tue 30/10/18			
87	Delivery of band drain	6 days	Thu 18/10/18	Tue 23/10/18			
88	Vert. Band drain installation (1787 nos. x 44m)	50 days	Wed 24/10/18	Wed 12/12/18			
89	Deposition of surcharge up to +8.3mPD	60 days	Mon 3/12/18	Thu 31/1/19			
90	Additional Concrete Blocks + Extra Surcharge	60 days	Mon 7/1/19	Sun 17/3/19			
91	Section A4 - Ground treatment installation works at Zone 3	131 days	Thu 1/11/18	Thu 21/3/19			
92	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	12 days	Thu 1/11/18	Mon 12/11/18			
93	Vert. Band drain installation	60 days	Fri 9/11/18	Mon 7/1/19			
94	Deposition of surcharge up to +8.3mPD	45 days	Tue 18/12/18	Thu 31/1/19			
95	Possession of Part 1 Defer portion at Zone 3	0 days	Wed 20/2/19	Wed 20/2/19			
96	Vert. Band drain installation	10 days	Wed 20/2/19	Fri 1/3/19			
97	Possession of Part 2 Defer portion at Zone 3	0 days	Fri 1/3/19	Fri 1/3/19			
98	Vert. Band drain installation	7 days	Fri 1/3/19	Thu 7/3/19			
99	Surcharge at deferred portion	14 days	Fri 8/3/19	Thu 21/3/19			
100	Section A5 (i) - Ground treatment installation works at Zone 4	83 days	Wed 26/12/18	Thu 28/3/19			
101	Site Preparation for Vertical Band Drain	3 days	Tue 1/1/19	Thu 3/1/19			
102	Band drain installation	21 days	Wed 26/12/18	Tue 15/1/19			
103	Possession of Defer portion at Zone 4	0 days	Fri 1/3/19	Fri 1/3/19			
104	Vert. Band drain installation	28 days	Fri 1/3/19	Thu 28/3/19			
105	Section A5 (ii) - Surcharge works at Zone 4	30 days	Tue 1/9/20	Wed 30/9/20			
106	Deposition of surcharge up to +8.3mPD	30 days	Tue 1/9/20	Wed 30/9/20			
107	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	493 days	Thu 1/11/18	Sat 28/3/20			
108	BD Amendment, resubmission & approval for Jacking Pit	170 days	Thu 1/11/18	Mon 29/4/19			
109	Consent for Jacking Pit ELS	28 days	Sat 20/4/19	Fri 17/5/19			
110	Mobilization	0 days	Sat 15/12/18	Sat 15/12/18			
111	Jacking Pit Sheetpile Installation (incl. Stop work notice + CNY)	60 days	Sun 16/12/18	Sat 23/2/19			
112	Protective screen and preventive measure for U9 gas pipeline (VO)	28 days	Sun 24/2/19	Sat 23/3/19			
113	Provision of temp support for U10 gas pipeline (VO) upon RMA allow access	28 days	Sun 14/4/19	Sat 11/5/19			
114	ELS of jacking pit	30 days	Sat 18/5/19	Sun 16/6/19			
115	Pipe Jacking set up & ground strengthening	18 days	Mon 17/6/19	Thu 4/7/19			
116	Pipe Jacking	90 days	Tue 10/9/19	Sun 8/12/19			
117	Receiving Pit BD Approval	170 days	Sun 25/11/18	Thu 23/5/19			
118	Consent for Pipe & Sheet pile	28 days	Tue 14/5/19	Mon 10/6/19			
119	Receiving Pit Pipe & Sheet pile installation	30 days	Tue 11/6/19	Wed 10/7/19			
120	Consent for Receiving Pit ELS	28 days	Thu 4/7/19	Wed 31/7/19			
121	ELS of Receiving pit	40 days	Thu 1/8/19	Mon 9/9/19			
122	Allow modify existing outfall manhole for pipe jacking receiving	18 days	Tue 10/9/19	Fri 27/9/19			
123	Culvert Pipe Intallation & water test	55 days	Mon 9/12/19	Wed 12/2/20			
124	Inspection Manhole at Jacking Pit + backfill (Area E3(A))	18 days	Thu 13/2/20	Sun 1/3/20			
125	Manhole extension at Outfall no. 4 + backfill + Reinstate of Outfall Rd	45 days	Thu 13/2/20	Sat 28/3/20			
126	Sheetpile for L12 Outlet culvert (Connection to Jacking Pit)	45 days	Mon 15/7/19	Wed 28/8/19			
127	Consent + ELS for remaining jacking pit	75 days	Thu 29/8/19	Mon 11/11/19			
128	Outlet Culvert pipe installation + Thrust Box (remaining portion at A1 Area)	45 days	Tue 12/11/19	Sat 28/12/19			
129	Sheet pile for future extension along GRS	60 days	Thu 29/8/19	Sun 27/10/19			
130	Section A6 (ii) - External works at Area E15(D)	37 days	Wed 1/1/20	Sat 15/2/20			
131	Area possession & Clearance	6 days	Wed 1/1/20	Mon 6/1/20			
132	Road & Surface Works	31 days	Tue 7/1/20	Sat 15/2/20			
133	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	375 days	Thu 31/1/19	Sun 1/3/20			
134	Area Possession & Clearance	0 days	Thu 31/1/19	Thu 31/1/19			
135	Excavation for CW Inlet Culvert (South of L11 HRSG)	21 days	Tue 16/4/19	Mon 6/5/19			
136	Installation CW Inlet Culvert pipe	30 days	Tue 7/5/19	Wed 5/6/19			
137	Construction of Thrust Box & Manholes,etc	14 days	Thu 6/6/19	Wed 19/6/19			
138	Backfill	21 days	Thu 20/6/19	Wed 10/7/19			
139	Install underground utilities	45 days	Mon 30/9/19	Wed 13/11/19			
140	Backfill and Temporary paving for Condensor Move in (E1)	14 days	Mon 17/2/20	Sun 1/3/20			
141	Backfill and Temporary paving for Condensor Move in (others)	30 days	Sat 1/2/20	Sun 1/3/20			
142	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB including the associated roof structure except the roof deferred works	482 days	Thu 1/11/18	Tue 17/3/20			
143	Area possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18			

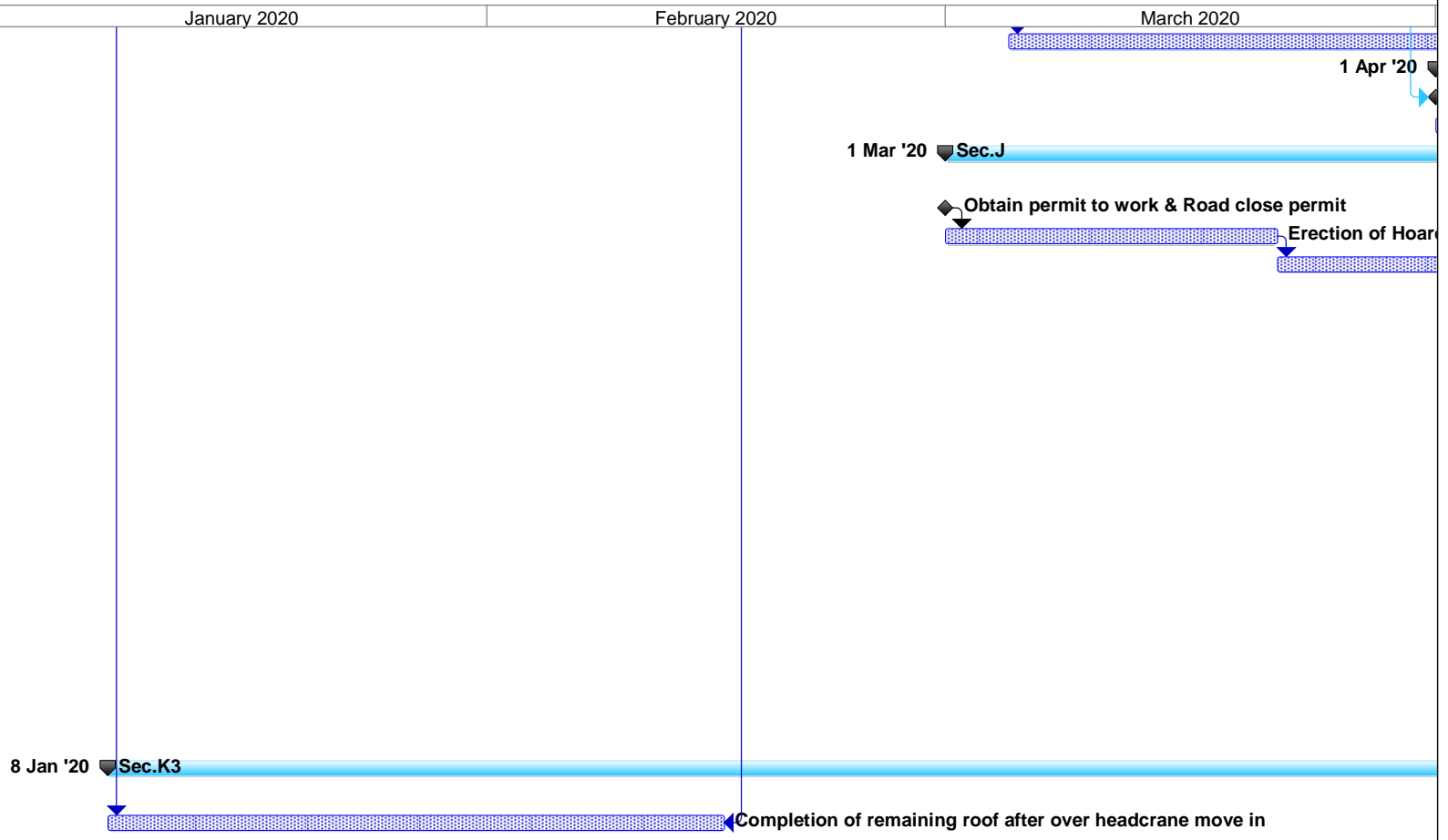
ID	Task Name	Duration	Start	Finish	January 2020	February 2020	March 2020
144	Erection of turbine hall roof except defer work	0 days	Wed 13/11/19	Wed 13/11/19			
145	Installation of crane griders	21 days	Mon 11/11/19	Sun 1/12/19			
146	Turbine hall wall claddings	60 days	Thu 9/1/20	Tue 17/3/20			
147	Section B1 (iii) - FSRU Civil works at Area E13 (GRS)	151 days	Fri 1/1/21	Mon 31/5/21			
148	Submission and approval for consent to work	0 days	Fri 1/1/21	Fri 1/1/21			
149	Civil & Building Works	130 days	Fri 1/1/21	Mon 10/5/21			
150	Ground reinstatement	21 days	Tue 11/5/21	Mon 31/5/21			
151	Section B2 - Retractable Cover D at Area E22	435 days	Tue 1/1/19	Tue 31/3/20			
152	Area Possession, Demolition and clearance work	60 days	Tue 1/1/19	Mon 11/3/19			
153	Revise Structural Form and BD resubmission & approval	150 days	Tue 12/3/19	Thu 8/8/19			
154	Foundation construction	60 days	Fri 9/8/19	Mon 7/10/19			
155	Backfill & Ground reinstatement	30 days	Tue 8/10/19	Wed 6/11/19			
156	Superstructure fabrication & delivery	90 days	Fri 9/8/19	Wed 6/11/19			
157	Superstructure erection	90 days	Thu 7/11/19	Sat 15/2/20			
158	E&M Installation and T&C	45 days	Sun 16/2/20	Tue 31/3/20			
159	Section B3 - External works at Area B1, D2 and D4	416 days	Fri 1/3/19	Thu 30/4/20			
160	Receive Area from HKE, Area Possession & Clearance	0 days	Fri 1/3/19	Fri 1/3/19			
161	Removal of existing paving for band drain under Section A5(i)	30 days	Fri 1/3/19	Sat 30/3/19			
162	Complete Vert. Band drain under Section A5(i)	0 days	Thu 28/3/19	Thu 28/3/19			
163	Ground preparation for B1, D2 & D4 for handover to Plant contractor	90 days	Sat 1/2/20	Thu 30/4/20			
164	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)	466 days	Thu 1/11/18	Sun 1/3/20			
165	Area Possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18			
166	Excavation for Type C (Area E3A)	21 days	Tue 26/3/19	Mon 15/4/19			
167	Installation CW Outlet Culvert Pipe connect to Type C1	21 days	Tue 16/4/19	Mon 6/5/19			
168	Installation CW Inlet Culvert pipe (South of L11 Condensor)	21 days	Mon 20/5/19	Sun 9/6/19			
169	Construction of Thrust Box	10 days	Mon 10/6/19	Wed 19/6/19			
170	Construction of Access Manhole	21 days	Mon 10/6/19	Sun 30/6/19			
171	Backfill	14 days	Mon 1/7/19	Sun 14/7/19			
172	Construction of Underground drainage and utilities	60 days	Thu 7/11/19	Tue 7/1/20			
173	Construct Temp Paving for Condenser move in	45 days	Wed 8/1/20	Sun 1/3/20			
174	Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area E7 (No Defer Foundations)	295 days	Thu 31/1/19	Sun 1/12/19			
175	Area Possession & Clearance	0 days	Thu 31/1/19	Thu 31/1/19			
176	Excavation & Pile Caps & Tie Beams (HRSG South Area E7)	45 days	Sun 19/5/19	Tue 2/7/19			
177	Construction RC foundations	45 days	Tue 9/7/19	Thu 22/8/19			
178	Construction RC plinths	30 days	Fri 23/8/19	Sat 21/9/19			
179	Construction underground utilities	45 days	Fri 23/8/19	Sun 6/10/19			
180	Backfill & Construction on-grade slabs	35 days	Mon 7/10/19	Sun 10/11/19			
181	Backfill and Temporary paving	21 days	Mon 11/11/19	Sun 1/12/19			
182	Section C2 - (ii) L11 Turbo Block foundation including the L11 MSB ground floor together with the equipment foundations between GL 11-F to 11-H and 11-1 to 11-6 for the installation of power generator, air inlet duct and lube oil reservoir	496 days	Sat 1/12/18	Thu 30/4/20			
183	Area Possession & Clearance	0 days	Sat 1/12/18	Sat 1/12/18			
184	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block North)	70 days	Mon 14/1/19	Wed 3/4/19			
185	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block South)	30 days	Wed 10/7/19	Thu 8/8/19			
186	Backfill and construction turbine block foundations	21 days	Fri 9/8/19	Thu 29/8/19			
187	Construction of internal drainage	60 days	Fri 9/8/19	Mon 7/10/19			
188	Construction RC walls incl. G/F rooms	90 days	Tue 8/10/19	Tue 7/1/20			
189	Construction turbine block columns and upper portion for plant embed installation	21 days	Mon 9/9/19	Sun 29/9/19			
190	Concrete Turbine upper part foundation & clear falsework	52 days	Tue 10/3/20	Thu 30/4/20			
191	Section C2 - (iii) G/F of L11 MSB including the Condenser Pit, Circulating Water Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-1 to 11-6 for the installation of condenser	466 days	Thu 1/11/18	Sun 1/3/20			
192	Area Possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18			
193	Excavation to foundation level at ELS Type A	18 days	Sat 13/4/19	Tue 30/4/19			
194	Construction of CW Outlet Box + lowest tie beam & caps	40 days	Wed 1/5/19	Sun 9/6/19			
195	Construction of pile caps & tie beams & hot well sump pit up to +2.5mPD	30 days	Mon 10/6/19	Tue 9/7/19			
196	Backfill & Construction of CW Inlet Box + tie beams	18 days	Wed 10/7/19	Sat 27/7/19			

ID	Task Name	Duration	Start	Finish	January 2020	February 2020	March 2020
197	Backfill and Construction ground beams & trenches	18 days	Sun 28/7/19	Wed 14/8/19			
198	Construction of indoor underground drainage	12 days	Thu 15/8/19	Mon 26/8/19			
199	Backfill & construction on-grade slabs	10 days	Tue 27/8/19	Thu 5/9/19			
200	Construction Column casting and RC walls	30 days	Mon 30/9/19	Tue 29/10/19			
201	Metal Cladding & Louvres for GLB-C/1-6	60 days	Thu 28/11/19	Thu 6/2/20			
202	Mis. Works for plant erection	24 days	Fri 7/2/20	Sun 1/3/20			
203	Section D - (i) Roads and external grounds surrounding L11 MSB and L11 HRSG in addition to the southern & eastern areas mentioned above in Area E5 and E6	414 days	Thu 1/11/18	Tue 31/12/19			
204	Area Possession & Clearance	14 days	Thu 1/11/18	Wed 14/11/18			
205	Excavation for Type C1 and open sheet pile	75 days	Mon 14/1/19	Mon 8/4/19			
206	Install CW Outlet pipe & connect to previous	21 days	Tue 16/4/19	Mon 6/5/19			
207	Backfill	10 days	Tue 7/5/19	Thu 16/5/19			
208	Underground utilities and trenches	60 days	Wed 3/7/19	Sat 31/8/19			
209	Construction of plant drainage, trenches & RC plinths	45 days	Sun 1/9/19	Tue 15/10/19			
210	Remaining Underground utilities & backfill (West of Tx Bay)	75 days	Wed 16/10/19	Tue 31/12/19			
211	Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding in Area E6	375 days	Thu 31/1/19	Sun 1/3/20			
212	Area Possession & Clearance	0 days	Thu 31/1/19	Thu 31/1/19			
213	Excavation & Pits & Pile Caps & Tie Beams (HRSG north Area E6)	45 days	Thu 4/4/19	Sat 18/5/19			
214	Construction RC foundations	45 days	Sun 19/5/19	Tue 2/7/19			
215	Construction RC plinths & HRSG Lift Pit & internal drainage	60 days	Sun 9/6/19	Wed 7/8/19			
216	Backfill Construction on-grade slabs	28 days	Thu 8/8/19	Wed 4/9/19			
217	Construction underground utilities	45 days	Thu 5/9/19	Sat 19/10/19			
218	Backfill, Remaining utilities and temporary paving	85 days	Thu 14/11/19	Mon 17/2/20			
219	Touch up and site clearance	13 days	Tue 18/2/20	Sun 1/3/20			
220	Section D - (iii) Whole of L11 MSB including the pipe and cable rack along south facade of L11 MSB with all underground utilities at Area E4 including C.W. Inlet and Outlet Culvert except the deferred works	526 days	Thu 1/11/18	Thu 30/4/20			
221	Area Possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18			
222	Construction of pile caps & tie beams at Transformer Area	60 days	Thu 15/11/18	Sun 13/1/19			
223	Excavation & Construction Blow Down Sum pit (Type B)	45 days	Thu 4/4/19	Sat 18/5/19			
224	Construction of pile caps & tie beams at SunShadeCover Area	45 days	Wed 10/7/19	Fri 23/8/19			
225	Preparation for S.Steelwork Erection	14 days	Wed 3/7/19	Tue 16/7/19			
226	Structural Delivery & Erection (Turbine Hall North fr G.L. 1-3/H->B)	30 days	Wed 17/7/19	Thu 15/8/19			
227	Structural Delivery & Erection (Equipment Floors)	45 days	Fri 16/8/19	Sun 29/9/19			
228	Structural Delivery & Erection (Turbine Hall South)	45 days	Mon 30/9/19	Wed 13/11/19			
229	Fire Coating Application at Joint	120 days	Fri 16/8/19	Fri 13/12/19			
230	External Scaffolding Erection	150 days	Wed 31/7/19	Sun 29/12/19			
231	Construction 1/F RC Slab	14 days	Mon 30/9/19	Sun 13/10/19			
232	Construction M/F RC Slab	7 days	Mon 14/10/19	Sun 20/10/19			
233	Construction 2/F RC Slab	14 days	Mon 14/10/19	Sun 27/10/19			
234	Construction 3/F RC Slab	14 days	Mon 28/10/19	Sun 10/11/19			
235	Construction 4/F RC Slab	14 days	Mon 11/11/19	Sun 24/11/19			
236	Construction 5/F RC Slab (Roof of turbine hall, except defer portion)	30 days	Mon 25/11/19	Tue 24/12/19			
237	Construction Roof RC Slab	14 days	Mon 9/12/19	Sun 22/12/19			
238	Construction Upper Roof RC Slab	12 days	Fri 27/12/19	Tue 7/1/20			
239	Construction Defer Roof RC Slab (G.L. G-H)	30 days	Wed 8/1/20	Sat 15/2/20			
240	Construction of Staircase ST-01 & lift shaft & machine room	120 days	Fri 30/8/19	Sun 29/12/19			
241	Construction of Staircase ST-02 except defer work	76 days	Mon 28/10/19	Mon 13/1/20			
242	Construction of RC plinth, kerbs & parapet Walls	30 days	Fri 7/2/20	Sat 7/3/20			
243	Erection of Skylight & Roof Features	45 days	Fri 21/2/20	Sun 5/4/20			
244	Waterproofing & Flooring at Roof	60 days	Wed 8/1/20	Mon 16/3/20			
245	ABFW Works from 1/F to 5/F equipment rooms	150 days	Mon 21/10/19	Sun 29/3/20			
246	Metal Cladding, Windows and Louvres incl. roof feature	100 days	Thu 28/11/19	Tue 17/3/20			
247	Removal of external scaffolding	60 days	Mon 17/2/20	Thu 16/4/20			
248	Building Services E&M Access & Installation	150 days	Mon 4/11/19	Sun 12/4/20			
249	Remaining and Mis. works for Plant erection Full Access	18 days	Mon 13/4/20	Thu 30/4/20			
250	Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of L11 MSB including their associated alternations & additions (A&A) Works at L10 MSB	526 days	Thu 1/11/18	Thu 30/4/20			

ID	Task Name	Duration	Start	Finish	Timeline		
					January 2020	February 2020	March 2020
251	Area Possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18			
252	A&A works at South of L10 MSB	60 days	Thu 28/11/19	Fri 7/2/20	A&A works at South of L10 MSB		
253	Erection of link bridge structural steel	21 days	Fri 7/2/20	Thu 27/2/20		Erection of link bridge structural steel	
254	Casting of bridge deck	7 days	Fri 28/2/20	Thu 5/3/20		Casting of bridge deck	
255	Metal roofing installation	14 days	Fri 6/3/20	Thu 19/3/20		Metal roofing install	
256	ABWF work	21 days	Fri 20/3/20	Thu 9/4/20			
257	Form new opening at MSB for final connection	14 days	Fri 27/3/20	Thu 9/4/20			
258	E&M Work for completion	21 days	Fri 10/4/20	Thu 30/4/20			
259	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20	345 days	Mon 11/2/19	Sat 1/2/20	c.D(v) 1 Feb '20		
260	Area Possession & Clearance + CNY	0 days	Mon 11/2/19	Mon 11/2/19			
261	Sheet pile installation & submit as-built	75 days	Mon 11/2/19	Fri 26/4/19			
262	Consent for excavation	28 days	Sat 27/4/19	Fri 24/5/19			
263	Excavation & plate load test	45 days	Sat 1/6/19	Mon 15/7/19			
264	Construction of foundation	45 days	Tue 16/7/19	Thu 29/8/19			
265	Backfill & Underground utiitiies	30 days	Fri 30/8/19	Sat 28/9/19			
266	Remaining Pipe & cable rack and associated trenches in Area E20	115 days	Sun 29/9/19	Sat 1/2/20	Remaining Pipe & cable rack and associated trenches in Area E20		
267	Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to the western area of L11 MSB at Area E3	263 days	Wed 1/1/20	Mon 28/9/20	Sec.E1(i)		
268	Area Possession	0 days	Wed 1/1/20	Wed 1/1/20	Area Possession		
269	Excavation & construction of new foundation	40 days	Wed 1/1/20	Tue 18/2/20	Excavation & construction of new foundation		
270	Backfill	10 days	Wed 19/2/20	Fri 28/2/20	Backfill		
271	Erection of Structural steel	30 days	Mon 6/7/20	Tue 4/8/20			
272	Backfill & Ground works	55 days	Wed 5/8/20	Mon 28/9/20			
273	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	173 days	Wed 1/1/20	Tue 30/6/20	Sec.E1(ii)		
274	Area Possession	0 days	Wed 1/1/20	Wed 1/1/20	Area Possession		
275	Removal of Surcharge and excavation	14 days	Wed 1/1/20	Tue 14/1/20	Removal of Surcharge and excavation		
276	Modification of Site Drainage	45 days	Wed 15/1/20	Sun 8/3/20	Modification of Site Drainage		
277	Construction of new RC for GRS Equipment Room	75 days	Tue 14/1/20	Mon 6/4/20			
278	ABWF for GRS Equipment room	45 days	Tue 7/4/20	Thu 21/5/20			
279	E&M Installation	45 days	Sun 17/5/20	Tue 30/6/20			
280	Construction of new Gas pipe plinths & racks	45 days	Sat 22/2/20	Mon 6/4/20			
281	Backfill and construction site drainage	21 days	Tue 7/4/20	Mon 27/4/20			
282	External Paving and install new fencing	60 days	Sat 2/5/20	Tue 30/6/20			
283	Section E1 - (iii) External Works at Area E15 (C)	273 days	Mon 1/6/20	Sun 28/2/21			
284	Removal of Surcharge and excavation	45 days	Mon 1/6/20	Wed 15/7/20			
285	Underground drianage, Utilities and RC plinths	123 days	Thu 16/7/20	Sun 15/11/20			
286	Backfill and install surface utilities	45 days	Mon 16/11/20	Wed 30/12/20			
287	Roadwork	60 days	Thu 31/12/20	Sun 28/2/21			
288	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and Pipe and Cable Rack at south of Middle Road at Area E8 and E19	495 days	Wed 1/5/19	Thu 17/9/20	c.E2		
289	BD consent + Site Possession @ Area E8	0 days	Wed 1/5/19	Wed 1/5/19			
290	Excavation & Plate load test	60 days	Wed 1/5/19	Sat 29/6/19			
291	Foundation and Trench constructions	90 days	Sun 30/6/19	Fri 27/9/19			
292	Backfill & underground utitiles + temp paving	60 days	Sat 28/9/19	Tue 26/11/19			
293	Excavation & plate load test @ E19	60 days	Wed 27/11/19	Wed 5/2/20	Excavation & plate load test @ E19		
294	Construction of foundations & trenches	45 days	Thu 6/2/20	Sat 21/3/20	Construction of f		
295	Backfill & underground utitiles	60 days	Sun 22/3/20	Wed 20/5/20			
296	Pipe & cable rack Erection	60 days	Thu 21/5/20	Sun 19/7/20			
297	Ground reinstatement	60 days	Mon 20/7/20	Thu 17/9/20			
298	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)	173 days	Wed 1/1/20	Tue 30/6/20	Sec.E3		
299	Removal of surcharge / site clearance	21 days	Wed 1/1/20	Tue 21/1/20	Removal of surcharge / site clearance		
300	Excavation & construction of pipe trench	30 days	Wed 22/1/20	Sat 29/2/20	Excavation & construction of pipe trench		
301	Construction of gas pipe support foundation	30 days	Sun 1/3/20	Mon 30/3/20			
302	Construction of underground drainage and utilities	60 days	Tue 31/3/20	Fri 29/5/20			
303	Backfill & road work	32 days	Sat 30/5/20	Tue 30/6/20			
304	Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)	185 days	Fri 15/3/19	Sun 15/9/19			
305	Site possession	0 days	Fri 15/3/19	Fri 15/3/19			

ID	Task Name	Duration	Start	Finish	January 2020	February 2020	March 2020
306	Obtain Permit to work & Road close permit	10 days	Fri 15/3/19	Sun 24/3/19			
307	Excavation & construction new cable trench to 275kV	45 days	Mon 25/3/19	Wed 8/5/19			
308	Excavation & construction new cable trench to L11MSB	130 days	Thu 9/5/19	Sun 15/9/19			
309	Section F - 275kV Station Building Extension and associated works at Area E17	709 days	Fri 1/6/18	Sat 30/5/20	c.F		
310	Installation of ELS for 275kV Switching Station near Staircase ST-3 and ST-6	14 days	Fri 1/6/18	Thu 14/6/18			
311	Construction of Staircase ST-3	110 days	Fri 15/6/18	Tue 2/10/18			
312	BD Amendment Approval on A&A	0 days	Mon 17/12/18	Mon 17/12/18			
313	BD Amendment Approval on A&A ST3 & Drainage	0 days	Mon 4/2/19	Mon 4/2/19			
314	OP inspection of Staircase ST-3	14 days	Mon 11/2/19	Sun 24/2/19			
315	Consent of New Foundation Works (Stage 1)	0 days	Fri 19/10/18	Fri 19/10/18			
316	Consent & BA10 for Demolition of Existing Staircase	0 days	Fri 8/3/19	Fri 8/3/19			
317	Demolition of Existing Staircase and Submit BA14A	14 days	Sat 9/3/19	Fri 22/3/19			
318	BD inspection for BA14A & Issue OP	28 days	Sat 23/3/19	Fri 19/4/19			
319	Consent & BA10 for New Foundation Work (Stage 2)	28 days	Sat 13/4/19	Fri 10/5/19			
320	Hoarding Modification	7 days	Fri 19/10/18	Thu 25/10/18			
321	Pile Cap & Tie Beam Construction (Stage 1)	98 days	Fri 26/10/18	Thu 31/1/19			
322	Erection of Tower Crane	40 days	Mon 11/2/19	Fri 22/3/19			
323	Pile Cap and Tie Beam (Stage 2)	21 days	Sat 11/5/19	Fri 31/5/19			
324	RC Construction up to 1/F (Stage 1)	30 days	Sat 11/5/19	Sun 9/6/19			
325	RC Construction up to 1/F (Stage 2)	75 days	Sat 1/6/19	Wed 14/8/19			
326	Construction of Staircase ST6	90 days	Sun 15/9/19	Fri 13/12/19			
327	Shop Drawing Submission & Approval of Structural Steel	45 days	Wed 27/2/19	Fri 12/4/19			
328	Structural Steel fabrication & Delivery	60 days	Sat 13/4/19	Tue 11/6/19			
329	Erection of Structural Steel GL 17-18	30 days	Fri 16/8/19	Sat 14/9/19			
330	Erection of Structural Steel GL 8-17	60 days	Sun 15/9/19	Wed 13/11/19			
331	Metal Cladding Delivery	60 days	Wed 7/8/19	Sat 5/10/19			
332	Metal Door, Window & Louvre Delivery	45 days	Sun 6/10/19	Tue 19/11/19			
333	Erection of Working Platform and Scaffold	150 days	Mon 1/7/19	Wed 27/11/19			
334	Install Decking	60 days	Wed 9/10/19	Sat 7/12/19			
335	RC Walls from 1/F @ GIS Hall	40 days	Thu 31/10/19	Mon 9/12/19			
336	Construction of 2/F RC slab	14 days	Tue 10/12/19	Mon 23/12/19	of 2/F RC slab		
337	Construction of R/F RC slab	21 days	Tue 24/12/19	Wed 15/1/20	Construction of R/F RC slab		
338	Construction of UR/F RC slab	14 days	Thu 16/1/20	Fri 7/2/20	Construction of UR/F RC slab		
339	Construction of GIS Hall Floor	60 days	Tue 24/12/19	Tue 3/3/20	Construction of GIS Hall Floor		
340	Installation of Overhead Crane (By JEC)	60 days	Wed 4/3/20	Sat 2/5/20			
341	Construction of staircase ST4, ST5, Lift Shaft & Equip Floors	150 days	Sun 15/9/19	Sat 22/2/20	Construction of staircase ST4, ST5, Lift Shaft & Equip Floors		
342	Lift Installation	90 days	Sun 23/2/20	Fri 22/5/20			
343	Concrete of RC walls, plinths, kerb & parapet walls & New trench for LV Power	30 days	Tue 24/12/19	Sun 2/2/20	Concrete of RC walls, plinths, kerb & parapet walls & New trench for LV Power		
344	ABWF Works @ G/F	50 days	Mon 14/10/19	Mon 2/12/19			
345	ABWF Works @ 1/F	50 days	Wed 13/11/19	Fri 3/1/20	ABWF Works @ 1/F		
346	ABWF Works @ 2/F	75 days	Fri 13/12/19	Sat 7/3/20			
347	ABWF Works @ R/F	30 days	Tue 14/1/20	Fri 21/2/20			
348	ABWF Works @ UR/F	21 days	Mon 3/2/20	Sun 23/2/20			
349	Waterproofing Works at R/F & UR/F	45 days	Thu 16/1/20	Mon 9/3/20			
350	Building Services E&M Access & Installation & T&C	150 days	Wed 13/11/19	Tue 21/4/20			
351	Metal Cladding, Windows and Louvres incl. Roof Feature	90 days	Tue 24/12/19	Thu 2/4/20			
352	Shutter Erection	30 days	Fri 3/4/20	Sat 2/5/20			
353	Removal of External Scaffolding + Tower Crane	35 days	Fri 3/4/20	Thu 7/5/20			
354	External Underground Drainage and Utilities	30 days	Fri 17/4/20	Sat 16/5/20			
355	Road & Paving Reinstatement	30 days	Fri 1/5/20	Sat 30/5/20			
356	Ready for FSD & OP Inspection	0 days	Sat 30/5/20	Sat 30/5/20			
357	Section G - A&A Works at No. 4 C.W. Intake at Area E12	143 days	Wed 1/1/20	Sun 31/5/20	c.G		
358	Permit to work	0 days	Wed 1/1/20	Wed 1/1/20	Permit to work		
359	Erection of temp. platform	14 days	Wed 1/1/20	Tue 14/1/20	Erection of temp. platform		
360	Demolition work	30 days	Wed 15/1/20	Sat 22/2/20	Demolition work		
361	Modify existing slab openings	75 days	Sun 23/2/20	Thu 7/5/20			
362	Curing + Removal of platform	24 days	Fri 8/5/20	Sun 31/5/20			
363	Section H - L11 Steel flue liner at No. 4 Chimney	186 days	Tue 1/1/19	Mon 15/7/19	c.H		
364	Complete erection of L10 Steel flue	0 days	Tue 1/1/19	Tue 1/1/19			
365	Modification of erection equipment	21 days	Tue 1/1/19	Mon 21/1/19			
366	Erection temp. platform and demolition work	30 days	Tue 22/1/19	Sat 2/3/19			
367	Structural steel delivery & Erection	85 days	Sun 3/3/19	Sun 26/5/19			
368	Removal of temp. work	5 days	Mon 27/5/19	Fri 31/5/19			
369	Reinstate G/F louvre wall and access door	45 days	Sat 1/6/19	Mon 15/7/19			
370	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	232 days	Sun 15/9/19	Fri 15/5/20	c.I(i)		
371	Obtain Permit to work & Road close permit	0 days	Sun 15/9/19	Sun 15/9/19			
372	Excavation & construction new cable trench	160 days	Mon 16/9/19	Wed 4/3/20			

ID	Task Name	Duration	Start	Finish	January 2020	February 2020	March 2020
373	Re-excavate cable trench for cable laying	72 days	Thu 5/3/20	Fri 15/5/20			
374	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	275 days	Wed 1/4/20	Thu 31/12/20			
375	Obtain Permit to work & Road close permit	0 days	Wed 1/4/20	Wed 1/4/20			
376	Re-excavate & new cable trench for cable laying	275 days	Wed 1/4/20	Thu 31/12/20			
377	Section J - (i) Demolition of Retractable Cover A&B & (ii) Construction of new LOT 3 & 4	426 days	Sun 1/3/20	Fri 30/4/21			
378	Obtain permit to work & Road close permit	0 days	Sun 1/3/20	Sun 1/3/20			
379	Erection of Hoarding	21 days	Sun 1/3/20	Sat 21/3/20			
380	Removal of existing cover & structural steel	30 days	Sun 22/3/20	Mon 20/4/20			
381	Demolish of existing bund wall and staircases	45 days	Tue 21/4/20	Thu 4/6/20			
382	Demolish of existing slab & foundation	60 days	Fri 5/6/20	Mon 3/8/20			
383	Consent for new work	30 days	Tue 4/8/20	Wed 2/9/20			
384	Construction of new bund wall and foundation	100 days	Thu 3/9/20	Fri 11/12/20			
385	Construction of new oil separator	80 days	Wed 23/9/20	Fri 11/12/20			
386	Construct underground drainage and surface channel	40 days	Sat 12/12/20	Wed 20/1/21			
387	Construction on-grade slab	60 days	Thu 21/1/21	Sun 21/3/21			
388	Removal of hoarding and ground reinstatement	40 days	Mon 22/3/21	Fri 30/4/21			
389	Section K1 - External works at Area 15 (E) and 15(F)	365 days	Mon 1/6/20	Mon 31/5/21			
390	Removal of surcharge	30 days	Mon 1/6/20	Tue 30/6/20			
391	Construct new drainage and utilities work	200 days	Wed 1/7/20	Sat 16/1/21			
392	Road & Paving	135 days	Sun 17/1/21	Mon 31/5/21			
393	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D7	365 days	Mon 1/6/20	Mon 31/5/21			
394	Demolition work	30 days	Mon 1/6/20	Tue 30/6/20			
395	Construct new drainage and utilities work	200 days	Wed 1/7/20	Sat 16/1/21			
396	Road & Paving	135 days	Sun 17/1/21	Mon 31/5/21			
397	Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection (PS1.4.4)	623 days	Wed 8/1/20	Thu 30/9/21			
398	Completion of remaining roof after over headcrane move in	30 days	Wed 8/1/20	Sat 15/2/20			
399	Construction of G/F Lube Oil Tank Room (BY TDK)	61 days	Tue 6/10/20	Sat 5/12/20			
400	Construction of wall and staircase at G/F after Condensor Move in	90 days	Mon 6/7/20	Sat 3/10/20			
401	Construction of Durasteel Steel wall panel after IBP installation	30 days	Sun 20/9/20	Mon 19/10/20			
402	Construction of Transformer fence wall, cladding & associated FS services	122 days	Tue 1/9/20	Thu 31/12/20			
403	Final restatement of road & paving around MSB & HRSG	122 days	Tue 1/9/20	Thu 31/12/20			
404	Installation of trench covers and gratings after plant installation	151 days	Thu 1/10/20	Sun 28/2/21			
405	Backfill and reinstatement after 275kV cable laying	122 days	Tue 1/6/21	Thu 30/9/21			



Schedule of U11 Construction

Task No.	Task Name	Start	End
1	Key Date		
2	H/O HRSG Foundation		
3	H/O OHC Installation		
4	H/O Condenser foundation		
5	H/O Aux. equipment foundation of HRSG north side		
6	H/O HRSG Exhaust duct		
7	H/O GT Exhaust duct foundation		
8	H/O MSB building		
9	H/O Foundation around CCW-Cooler		
10	Hydrostatic test		
11	Receiving Lubo oil		
12	Synchronization		
13			
14	HRSG		
15			
16	HRSG Exhaust duct		
17			
18	Over Head Crane		
19			
20	Condenser		
21			
22	GT/ST/Generator		
23			
24	GT Air inlet		
25			
26	Auxiliary Equipment (O/B)		
27			
28	Sea water intake area		
29			
30	Transformer area		
31	Building structure		
32			
33	Piping		
34			
35	Crane		
36			
37	Equipment for heavy lifting		

2020年 第1四半期
 2020年01月 2020年02月 2020年03月
 上旬中旬下旬 中旬下旬 下旬下旬

Condenser foundation → 03/02
 on of HRSG north side → 03/02
 O HRSG Exhaust duct → 03/02
 H/O GT Exhaust duct f
 H/O MS
 H/I

HRSG

HRSG Exhaust duct

Over Head Crane

Condenser

GT/ST/C

Auxiliary Equipment (O/B)

Building structure

SUNLEY ENGINEERING & CONSTRUCTION CO., LTD.

Contract No. 18/8004 - Lamma Power Station Extension Foundation Works for Unit L12

Master Programme

ID	Task Name	Duration	Start	Finish	2019年			2020年		
					一月	二月	三月	M12 一月	M13 二月	M14 三月
1	Key Date	416 days	3月12日星期二	4月30日星期四						
2	Commencement date	0 days	3月12日星期二	3月12日星期二						
3	Duration of works	416 days	3月12日星期二	4月30日星期四						
4	Site possession date	0 days	3月12日星期二	3月12日星期二						
5	Completion of the Contract	0 days	4月30日星期四	4月30日星期四						
6										
7	Total Contract Period	455 days	2月1日星期五	4月30日星期四						
8										
9	Preliminaries	21 days	3月12日星期二	4月1日星期一						
10	Coordination with utility companies	14 days	3月12日星期二	3月25日星期一						
11	Pre-construction condition survey	14 days	3月12日星期二	3月25日星期一						
12	Notification of commencement of works to Labour Department	7 days	3月12日星期二	3月18日星期一						
13	Notification of air pollution control for commencement of works to EPD	7 days	3月12日星期二	3月18日星期一						
14	Application of water discharge licence from EPD	7 days	3月12日星期二	3月18日星期一						
15	Application for billing account for disposal of construction waste from EPD	7 days	3月12日星期二	3月18日星期一						
16	CCTV for existing underground drainage pipe around site boundary	21 days	3月12日星期二	4月1日星期一						
17	Utility detection for existing underground cables	21 days	3月12日星期二	4月1日星期一						
18	Site clearance	21 days	3月12日星期二	4月1日星期一						
19	Set up contractor's site office	21 days	3月12日星期二	4月1日星期一						
20	Installation of monitoring checkpoints	20 days	3月12日星期二	3月31日星期日						
21	Submission of BA10 for ELS & foundation works	7 days	3月12日星期二	3月18日星期一						
22										
23	Predrilling Works for Section of A1 to A3 (Area P1 to P3)	96 days	2月1日星期五	5月7日星期二						
24	Drilling rigs mobilization	10 days	2月1日星期五	2月10日星期日						
25	Predrilling works (46 holes) (8 rigs)	81 days	2月11日星期一	5月2日星期四						
26	Submission of predrill logs	71 days	2月26日星期二	5月7日星期二						
27	Completion of predrilling works	0 days	5月7日星期二	5月7日星期二						
28										
29	Plant Mobilization for Bored Pile Construction	150 days	3月19日星期二	8月15日星期四						
30	Crawler Crane	136 days	3月19日星期二	8月1日星期四						
31	1st & 2nd set	21 days	3月19日星期二	4月8日星期一						
32	3rd set	21 days	4月10日星期三	4月30日星期二						
33	4th & 5th set	21 days	6月14日星期五	7月4日星期四						
34	6th set	21 days	7月12日星期五	8月1日星期四						
35	Oscillator	136 days	3月19日星期二	8月1日星期四						
36	1st & 2nd set	21 days	3月19日星期二	4月8日星期一						
37	3rd set	21 days	4月10日星期三	4月30日星期二						
38	4th & 5th set	21 days	6月14日星期五	7月4日星期四						
39	6th set	21 days	7月12日星期五	8月1日星期四						
40	RCD	129 days	4月9日星期二	8月15日星期四						
41	1st & 2nd set	14 days	4月9日星期二	4月22日星期一						
42	3rd set	14 days	5月1日星期三	5月14日星期二						
43	4th & 5th set	14 days	7月5日星期五	7月18日星期四						
44	6th set	14 days	8月2日星期五	8月15日星期四						
45	Completion of plant mobilization for bored pile construction	0 days	8月15日星期四	8月15日星期四						
46										
47	Delivery of Temporary Steel Casing for Bored Pile Construction	150 days	3月19日星期二	8月15日星期四						
48	Duration for delivery of temporary steel casing	150 days	3月19日星期二	8月15日星期四						
49	Completion of delivery of temporary steel casing for bored pile construction	0 days	8月15日星期四	8月15日星期四						
50										
51	Delivery of Permanent Casing & Double Wall Liner	369 days	3月18日星期一	3月20日星期五						
52	Testing for double wall liner	45 days	3月18日星期一	5月1日星期三						
53	Duration for delivery of permanent casing & double wall liner	325 days	5月1日星期三	3月20日星期五						
54										
55	Section A1	320 days	3月18日星期一	1月31日星期五						

Master Programme

Task  Critical Task  Milestone  Summary 

SUNLEY ENGINEERING & CONSTRUCTION CO., LTD.

Contract No. 18/8004 - Lamma Power Station Extension Foundation Works for Unit L12

Master Programme

ID	Task Name	Duration	Start	Finish	2019年												2020年		
					[Gantt Chart Area]												M12 一月	M13 二月	M14 三月
56	Bored Pile Construction at P1 (17 piles)	296 days	4月11日 星期四	1月31日 星期五	[Gantt Bar]														
57	1st set plant - BP13 > BP5 > BP9 > BP26 > BP1 > BP12 > BP8 > BP4 > G2 > G4 > G6	273 days	4月11日 星期四	1月8日 星期三	[Gantt Bar]														
58	3rd set plant - G8	45 days	4月22日 星期一	6月5日 星期三	[Gantt Bar]														
59	3rd set plant - BPC3 > BPC4 > BPC5 > BPC6 > BPC7	135 days	8月30日 星期五	1月11日 星期六	[Gantt Bar]														
60	Interface & sonic test	28 days	1月4日 星期六	1月31日 星期五	[Gantt Bar]														
61	Completion of bored pile construction at P1	0 days	1月31日 星期五	1月31日 星期五	[Gantt Bar]														
62					[Gantt Bar]														
63	Sheet Pile at P1	215 days	7月1日 星期一	1月31日 星期五	[Gantt Bar]														
64	Delivery of sheet pile material	14 days	7月1日 星期一	7月14日 星期日	[Gantt Bar]														
65	Installation of sheet pile (approx. 57 piles) (1 rig)	10 days	7月17日 星期三	7月26日 星期五	[Gantt Bar]														
66	Installation of sheet pile (approx. 254 piles) (1 rig)	38 days	12月17日 星期二	1月23日 星期四	[Gantt Bar]														
67	Prepare & submit as-built record plan	7 days	1月24日 星期五	1月30日 星期四	[Gantt Bar]														
68	Submission of BA14	1 day	1月31日 星期五	1月31日 星期五	[Gantt Bar]														
69	Completion of sheet pile at P1	0 days	1月31日 星期五	1月31日 星期五	[Gantt Bar]														
70					[Gantt Bar]														
71	Cone Penetration Test	104 days	3月18日 星期一	6月29日 星期六	[Gantt Bar]														
72	Plant mobilization	14 days	3月18日 星期一	3月31日 星期日	[Gantt Bar]														
73	Carry out CPTU testing (9 nos.) (1 rig)	90 days	4月1日 星期一	6月29日 星期六	[Gantt Bar]														
74	Completion of cone penetration test	0 days	6月29日 星期六	6月29日 星期六	[Gantt Bar]														
75	Completion of section A1	0 days	1月31日 星期五	1月31日 星期五	[Gantt Bar]														
76					[Gantt Bar]														
77	Section A2	197 days	4月8日 星期一	10月21日 星期一	[Gantt Bar]														
78	Bored Pile Construction at P2 (11 piles)	197 days	4月8日 星期一	10月21日 星期一	[Gantt Bar]														
79	2nd set plant - BP27 > BP24 > BP23 > BP16 > BP20 > BP17	161 days	4月8日 星期一	9月15日 星期日	[Gantt Bar]														
80	3rd set plant - G10 > BP21 > BPC8 > BPC1 > BPC2	135 days	5月12日 星期日	9月23日 星期一	[Gantt Bar]														
81	Interface & sonic test	28 days	9月24日 星期二	10月21日 星期一	[Gantt Bar]														
82	Completion of bored pile construction at P2	0 days	10月21日 星期一	10月21日 星期一	[Gantt Bar]														
83	Completion of section A2	0 days	10月21日 星期一	10月21日 星期一	[Gantt Bar]														
84					[Gantt Bar]														
85	Section A3	331 days	5月18日 星期六	4月12日 星期日	[Gantt Bar]														
86	Bored Pile Construction at P3 (18 piles)	283 days	7月5日 星期五	4月12日 星期日	[Gantt Bar]														
87	4th set plant - G1 > G3 > G5 > G7 > G9	225 days	7月5日 星期五	2月14日 星期五	[Gantt Bar]														
88	5th set plant - BP15 > BP19 > BP22 > BP25 > BP28	225 days	7月5日 星期五	2月14日 星期五	[Gantt Bar]														
89	6th set plant - BP3 > BP6 > BP7 > BP11 > BP2 > BP10 > BP14 > BP18	203 days	8月2日 星期五	2月20日 星期四	[Gantt Bar]														
90	Interface & sonic test	28 days	2月21日 星期五	3月19日 星期四	[Gantt Bar]														
91	Prepare & submit as-built record plan	7 days	3月13日 星期五	3月19日 星期四	[Gantt Bar]														
92	Submission of BA14	1 day	3月19日 星期四	3月19日 星期四	[Gantt Bar]														
93	Allow 14 days for selection of pile for concrete full core test	14 days	3月20日 星期五	4月2日 星期四	[Gantt Bar]														
94	Concrete full core test	10 days	4月3日 星期五	4月12日 星期日	[Gantt Bar]														
95	Completion of bored pile construction at P3	0 days	4月12日 星期日	4月12日 星期日	[Gantt Bar]														
96					[Gantt Bar]														
97	Sheet Pile at P3	60 days	5月18日 星期六	7月16日 星期二	[Gantt Bar]														
98	Plant mobilization	7 days	5月25日 星期六	5月31日 星期五	[Gantt Bar]														
99	Delivery of sheet pile material	14 days	5月18日 星期六	5月31日 星期五	[Gantt Bar]														
100	Installation of sheet pile (approx. 626 piles) (2 rigs)	46 days	6月1日 星期六	7月16日 星期二	[Gantt Bar]														
101	Completion of sheet pile at P3	0 days	7月16日 星期二	7月16日 星期二	[Gantt Bar]														
102	Completion of section A3	0 days	4月12日 星期日	4月12日 星期日	[Gantt Bar]														
103					[Gantt Bar]														
104	Section B	305 days	7月1日 星期一	4月30日 星期四	[Gantt Bar]														
105	Shunt Reactor	121 days	1月1日 星期三	4月30日 星期四	[Gantt Bar]														
106	Site possession date	0 days	1月1日 星期三	1月1日 星期三	[Gantt Bar]														
107	Predrilling Works for Bored Pile	34 days	1月1日 星期三	2月3日 星期一	[Gantt Bar]														
108	Drilling rigs mobilization	7 days	1月1日 星期三	1月7日 星期二	[Gantt Bar]														
109	Predrilling works (4 holes) (2 rigs)	25 days	1月8日 星期三	2月1日 星期六	[Gantt Bar]														
110	Submission of predrill logs	15 days	1月20日 星期一	2月3日 星期一	[Gantt Bar]														

Master Programme

Task [Blue Bar] Critical Task [Red Bar] Milestone [Diamond] Summary [Thick Line]

SUNLEY ENGINEERING & CONSTRUCTION CO., LTD.

Contract No. 18/8004 - Lamma Power Station Extension Foundation Works for Unit L12

Master Programme

ID	Task Name	Duration	Start	Finish	2019年			2020年		
					一月	二月	三月	M12	M13	M14
111	Completion of predrilling works	0 days	2月3日 星期一	2月3日 星期一						
112										
113	Bored Pile Construction (4 piles)	113 days	1月9日 星期四	4月30日 星期四						
114	Plant mobilization	15 days	1月9日 星期四	1月23日 星期四						
115	1st set plant - BPR-B4 > BPR-E2	65 days	1月16日 星期四	3月20日 星期五						
116	3rd set plant - BPR-E6 > BPR-E5	65 days	1月24日 星期五	3月28日 星期六						
117	Interface & sonic test	14 days	3月24日 星期二	4月6日 星期一						
118	Prepare & submit as-built record plan	7 days	3月31日 星期二	4月6日 星期一						
119	Submission of BA14	1 day	4月6日 星期一	4月6日 星期一						
120	Allow 14 days for selection of pile for concrete full core test	14 days	4月7日 星期二	4月20日 星期一						
121	Concrete full core test	10 days	4月21日 星期二	4月30日 星期四						
122	Completion of bored pile construction	0 days	4月30日 星期四	4月30日 星期四						
123	Completion of shunt reactor	0 days	4月30日 星期四	4月30日 星期四						
124										
125	Cable Bridge	267 days	7月1日 星期一	3月23日 星期一						
126	Site possession date	0 days	7月1日 星期一	7月1日 星期一						
127	Predrilling Works for Bored Pile	55 days	7月1日 星期一	8月24日 星期六						
128	Drilling rigs mobilization	7 days	7月1日 星期一	7月7日 星期日						
129	Predrilling works (8 holes) (2 rig)	46 days	7月8日 星期一	8月22日 星期四						
130	Submission of predrill logs	30 days	7月26日 星期五	8月24日 星期六						
131	Completion of predrilling works	0 days	8月24日 星期六	8月24日 星期六						
132										
133	Bored Pile Construction (6 piles)	178 days	9月16日 星期一	3月11日 星期三						
134	Plant mobilization	14 days	9月16日 星期一	9月29日 星期日						
135	2nd set plant - CP6-1 > CP6-3 > CP6-6 > CP6-8 > CP6-5 > CP6-2 > CP6-7 > CP6-4	150 days	9月30日 星期一	2月26日 星期三						
136	Interface & sonic test	14 days	2月27日 星期四	3月11日 星期三						
137	Completion of bored pile construction	0 days	3月11日 星期三	3月11日 星期三						
138										
139	Temporary Working Platform for Socketted H-Pile Construction	74 days	7月1日 星期一	9月12日 星期四						
140	Material delivery for temporary working platform erection	14 days	7月1日 星期一	7月14日 星期日						
141	Erection of temporary working platform	60 days	7月15日 星期一	9月12日 星期四						
142	Completion of temporary working platform	0 days	9月12日 星期四	9月12日 星期四						
143										
144	Predrilling Works for Socketted H-pile	27 days	9月13日 星期五	10月9日 星期三						
145	Drilling rigs mobilization	7 days	9月13日 星期五	9月19日 星期四						
146	Predrilling works (6 holes) (2 rigs)	18 days	9月20日 星期五	10月7日 星期一						
147	Submission of predrill logs	13 days	9月27日 星期五	10月9日 星期三						
148	Completion of predrilling works	0 days	10月9日 星期三	10月9日 星期三						
149										
150	Socketted H-Pile Construction (30 piles)	168 days	10月8日 星期二	3月23日 星期一						
151	Plant mobilization	14 days	10月8日 星期二	10月21日 星期一						
152	Trial pile installation (1 pile)	14 days	10月22日 星期二	11月4日 星期一						
153	Socketted H-pile installation (16 piles) (1 set plant)	65 days	11月5日 星期二	1月8日 星期三						
154	Post drill	5 days	1月9日 星期四	1月13日 星期一						
155	Prepare & submit as-built record plan	28 days	1月9日 星期四	2月5日 星期三						
156	Submission of BA14	1 day	2月6日 星期四	2月6日 星期四						
157	Allow 14 days for selection of pile for loading test	14 days	2月7日 星期五	2月20日 星期四						
158	Set up loading test platform for 1st pile testing	12 days	2月21日 星期五	3月3日 星期二						
159	Loading test for 1st pile	4 days	3月4日 星期三	3月7日 星期六						
160	Set up loading test platform for 2nd pile testing	12 days	3月8日 星期日	3月19日 星期四						
161	Loading test for 2nd pile	4 days	3月20日 星期五	3月23日 星期一						
162	Completion of socketted H-pile construction	0 days	3月23日 星期一	3月23日 星期一						
163	Completion of cable bridge	0 days	3月23日 星期一	3月23日 星期一						
164	Completion of section B	0 days	4月30日 星期四	4月30日 星期四						
165	Contract completion	0 days	4月30日 星期四	4月30日 星期四						

Master Programme

Task Critical Task Milestone Summary