

ID	Task Name	Duration	Start	Finish	Gantt Chart		
					December 2018	January 2019	February 2019
1	Contract Key Date	1308 days	01/11/16	31/05/20			
2	Possession Date	1308 days	01/11/16	31/05/20			
3	Contract Commencement Date	0 days	01/11/16	01/11/16			
4	Section A1 - Modify Plinth at Ext. GRS	61 days	01/11/16	31/12/16			
5	Section A2 - LPS Site Office Building	410 days	18/12/16	31/01/18			
6	Section B1 - Area C1&2 incl. all UG structures & Temp. Access for Empolyer's Specialis	426 days	12/12/16	10/02/18			
7	Section B2 - Surcharge relocation & assoicated top-up works	122 days	01/09/17	31/12/17			
8	Section C - Area C3, HRSG & MSBU10 for Empolyer's Specialist	457 days	13/12/16	14/03/18			
9	Section D - Remaining of MSBU10, HRSG, A&A at L9 & L8, Ext. & Demolish Site Toilet	516 days	22/12/16	21/05/18			
10	Section D - CW Pump Equip. Rm No. 4	365 days	01/04/17	31/03/18			
11	Section E - Middel Rd & South of L10. Expose & Construction New 275kV Trench at LM	577 days	01/11/16	31/05/18			
12	Section F -Urea Storage & Handling Facilies	488 days	01/05/17	31/08/18			
13	Section G - Demin. Plant Road & No.3 Outfall	273 days	01/01/18	30/09/18			
14	Section G - Modification at No. 4 CW Intake	122 days	01/06/18	30/09/18			
15	Section H1 - Gas Support foundation & trench at Area C11	745 days	01/11/16	15/11/18	Support foundation & trench at Area C11		
16	Section H2 - GRS Improvement work at Area C10	441 days	01/09/17	15/11/18	Improvement work at Area C10		
17	Section H3 - L10 Chimney Flue and A&A L9 & pipe rack formation	319 days	01/01/18	15/11/18	Chimney Flue and A&A L9 & pipe rack formation		
18	Section I1 - Link Bridge & associated A&A	455 days	06/01/17	05/04/18			
19	Section I2 - Shunt Reactor SR4 Foundation	90 days	01/01/19	31/03/19			
20	Section I3 - All remaining work except deferred works	417 days	08/02/18	31/03/19			
21	Section J - Cable Route CPX1&2 cable diversion & whole of work except deferred works to be carried out in DLP	790 days	01/11/16	30/12/18		Section J - Cable Route CPX1&2 cable diversion & whole of work except deferred works to be ca	
22	Deferred works during DLP	336 days	01/07/19	31/05/20			
23	General & Preliminary	552 days	01/11/16	06/05/18			
24	Set up Temporary Site Office and Utilities	30 days	01/11/16	30/11/16			
25	Full Mobilization	14 days	01/11/16	14/11/16			
26	Permit Applications & Statuary Submissions	45 days	08/11/16	22/12/16			
27	Existing Utilities scanning & Excavation Permit	45 days	01/11/16	15/12/16			
28	Foundation of Tower Crane Construction	7 days	05/04/17	11/04/17			
29	Tower Crane Erection	5 days	12/04/17	16/04/17			
30	Removal of Tower Crane (Including Foundation)	14 days	23/04/18	06/05/18			
31	L10 MSB External Scaffolding erection	120 days	12/09/17	09/01/18			
32	L10 MSB External Scaffolding Removal	14 days	09/04/18	22/04/18			
33	Submission and Approval	450 days	01/11/16	24/01/18			
34	Method Statement / Temp Work Submission & Approval from HEC for General Works	240 days	01/11/16	28/06/17			
35	BD Approval & Consent (If required)	90 days	01/12/16	28/02/17			
36	BIM Model, CSD & CBWD Submission & Approval from HEC	200 days	01/12/16	18/06/17			
37	Structure Steelwork Connection Design Submission & BD Approval	30 days	31/12/16	29/01/17			
38	Structure Steelwork Shop Drawing & Approval	30 days	30/01/17	28/02/17			
39	Metal Cladding, louvre & windows submission & BD Approval	60 days	30/01/17	30/03/17			
40	Metal Cladding, louvre & windows shop drawing submission	45 days	14/02/17	30/03/17			
41	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	180 days	31/03/17	26/09/17			
42	CW Culvert (Inlet) ELS BD approval & consent	90 days	31/03/17	28/06/17			
43	Sumission & Approval of Steel Flue Assessment Report and Design Drawings	210 days	31/12/16	28/07/17			
44	Submission and Approval of Steel Flue Design from BD	90 days	29/07/17	26/10/17			
45	Material Fabrication & Delivery for L10 Flue	100 days	27/09/17	04/01/18			
46	Folding Shutters Shop Drawing Submission & Approval	120 days	01/03/17	28/06/17			
47	Fabrication & Delivery of Foldering Shutters	150 days	29/06/17	25/11/17			
48	Sewage Pump System Design submission & Approval	45 days	13/08/17	26/09/17			
49	Fabrication & Delivery of Sewage Pump	120 days	27/09/17	24/01/18			
50	Other Material Submission & Approval & Deliverys	240 days	31/03/17	25/11/17			
51	Coordination with the Employer's Specialist Contractors	480 days	09/07/17	31/10/18			
52	Outlet Culvert Box Verical Puddle Pipes Installation	7 days	09/07/17	15/07/17			
53	Inlet Culvert Box Verical Puddle Pipes Installation	7 days	05/09/17	11/09/17			
54	Template setting in at L10 Turbo Block Foundation	45 days	12/10/17	25/11/17			

ID	Task Name	Duration	Start	Finish	Timeline		
					December 2018	January 2019	February 2019
55	Template setting of holding down bolts at HRSG Column Base	45 days	16/08/17	29/09/17			
56	I-beam/ Channel Base Installation on top of Transformer Foundations at Transformer A	32 days	12/10/17	12/11/17			
57	Overhead crane rail installation	14 days	15/01/18	28/01/18			
58	Overhead Crane Erection at Turbine Hall using Access through a Temporary Opening at L10 MSB Roof between GL 10-G to 10-H and 10-2 and 10-6	21 days	29/01/18	18/02/18			
59	Condenser Assembly and Erection using Access through a Temporary Opening at L10 MSB below 1/F along GL 10-6 from GL 10-B to 10-C including a Clear Space below 1/F between GL 10-B to 10-C	89 days	01/02/18	30/04/18			
60	Installation of Power Train Equipment including Air Inlet Duct using Access through a Temporary Façade Opening at L10 MSB below 1/F along GL 10-6 from GL 10-F to 10-H including a Clear Space below 1/F of the above Area	89 days	07/02/18	06/05/18			
61	Installation of Equipment in L10 HRSG Area after the Temporary Paving was Removed to Expose the Respective Foundations by the Contractor	78 days	15/08/18	31/10/18			
62	Installation of Embedded Materials such as Holding Down Bolts for Equipment Foundati	200 days	30/07/17	14/02/18			
63	Section A1 - Modify Plinth at Ext. GRS	61 days	01/11/16	31/12/16			
64	Existing Plinth Removal	18 days	01/11/16	18/11/16			
65	Wall Base & Plinth Construction	45 days	17/11/16	31/12/16			
66	Pipe Rcak at Unit 9 North (VO under EI No. 6)	197 days	29/01/17	14/08/17			
67	Consent and BA10 Submissions	0 days	29/01/17	29/01/17			
68	Hoarding & Plant Load Test	18 days	30/01/17	16/02/17			
69	Footing Construction & Reinstatement	120 days	17/02/17	16/06/17			
70	Structural Steel Fabrication, Delivery & Erection	60 days	16/06/17	14/08/17			
71	Section A2 - LPS Site Office Building	457 days	01/11/16	31/01/18			
72	Submissions of Shop Drawings and Approval	90 days	01/11/16	29/01/17			
73	Submisson & Approval of CSD & CBWD	60 days	15/01/17	15/03/17			
74	Complete site clearance by HKE	0 days	01/11/16	01/11/16			
75	Demolish of existing site office	21 days	01/11/16	21/11/16			
76	BA 10 Application	0 days	01/11/16	01/11/16			
77	Erection of Hording	7 days	01/11/16	07/11/16			
78	Plate Load Test	7 days	08/11/16	14/11/16			
79	Installation of Earthing Grid	18 days	15/11/16	02/12/16			
80	Construction of pad footing, bearing wall, columns up to G/F	45 days	03/12/16	16/01/17			
81	Chinese New Year	10 days	27/01/17	05/02/17			
82	Backfill & UG Drainage within Building	75 days	17/01/17	01/04/17			
83	Backfill & Blinding	4 days	02/04/17	05/04/17			
84	Construct G/F on-grade slab & External Scaffold Erection	12 days	06/04/17	17/04/17			
85	RC Walls, Columns and Slab up to 1/F	100 days	18/04/17	26/07/17			
86	RC Walls, Columns and Slab up to R/F	40 days	13/07/17	21/08/17			
87	Parapet Wall, FS Water Tank, Top Roofs + RC curb, hatch door etc	21 days	22/08/17	11/09/17			
88	Waterproofing for Liift pit + Water test	14 days	15/08/17	28/08/17			
89	G/F Window, Louvre, Doors Frame & Shutter Frame	30 days	26/08/17	24/09/17			
90	G/F Finishing Works	45 days	09/09/17	23/10/17			
91	G/F Plumbing & Drainage Works	30 days	09/10/17	07/11/17			
92	G/F Sanitary Fitting and Cubicles	30 days	30/10/17	28/11/17			
93	G/F Other sundry metal, railing, etc	45 days	24/10/17	07/12/17			
94	G/F Placing Furnitures	10 days	21/01/18	30/01/18			
95	1/F Window, Louvre & Door Frames	30 days	21/09/17	20/10/17			
96	1/F Finishing Works	45 days	05/10/17	18/11/17			
97	1/F Plumbing, Sanitary Fittings & Drainage Works	21 days	04/11/17	24/11/17			
98	1/F Other sundry metal, railing, etc	60 days	21/10/17	19/12/17			
99	R+UR/F Waterproofing Installation + Testing	45 days	03/10/17	16/11/17			
100	R/F Finishing Works (incl. Water Tank & FS Pump Room)	45 days	03/10/17	16/11/17			
101	R/F Plumbing Works	14 days	17/11/17	30/11/17			
102	R/F Sundry Metal, Handrail & Glazed Railing	30 days	17/11/17	16/12/17			
103	Installation of Door a& Shutter leafs	30 days	17/11/17	16/12/17			
104	Handover of lift shaft	0 days	28/08/17	28/08/17			
105	Lift Installation + EMSD Inspection + Issue of Lift Cert	90 days	29/08/17	26/11/17			

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					December 2018	January 2019	February 2019
106	Electrial Installation	85 days	24/10/17	16/01/18			
107	Fire Service Installation	85 days	24/10/17	16/01/18			
108	MVAC Installation	85 days	24/10/17	16/01/18			
109	Testing & Commissioning Works	10 days	07/01/18	16/01/18			
110	External Wall Finishing Works	45 days	03/10/17	16/11/17			
111	Removal of Scaffolding	14 days	17/11/17	30/11/17			
112	External UG P&D and Road Works	100 days	22/08/17	29/11/17			
113	WVO046 Completion	0 days	29/11/17	29/11/17			
114	FSD Inspection	0 days	16/01/18	16/01/18			
115	Submit BA 13 Inspection	14 days	17/01/18	30/01/18			
116	Expected OP Issue	0 days	31/01/18	31/01/18			
117	Section B1 - Area C1&2 incl. all UG structures & Temp. Access for Empolyer's Specialist	277 days	10/05/17	10/02/18			
118	C.W. Culvert System (Area C1 & C2) (~160m)	277 days	10/05/17	10/02/18			
119	Excavation to Formation Level (+1.1mPD)	18 days	10/05/17	27/05/17			
120	Construction of Binding & Plinth	14 days	19/05/17	01/06/17			
121	Pile Laying	14 days	02/06/17	15/06/17			
122	Thrust Box + Manhole Construction	14 days	16/06/17	29/06/17			
123	Water Test	4 days	30/06/17	03/07/17			
124	Backfill	7 days	04/07/17	10/07/17			
125	Return area to Sunley for L11 piling	120 days	11/07/17	07/11/17			
126	Cutting Sheet pile	14 days	08/11/17	21/11/17			
127	All underground Utilities	60 days	22/11/17	20/01/18			
128	Backfill & Reinstatement & Formation of Access	60 days	13/12/17	10/02/18			
129	Supporting Structure for Overhead Crane	30 days	16/12/17	14/01/18			
130	Section B2 - Surcharge relocation & assoicated top-up works	229 days	17/05/17	31/12/17			
131	Roadworks and External Works	229 days	17/05/17	31/12/17			
132	Surface Drainage Modification	60 days	17/05/17	15/07/17			
133	Remove of Surcharge Fill (~21500 m3)@ Area C2, C10 & C15 to Area B1, B2, D2, D3 and D4	45 days	01/09/17	15/10/17			
134	Construction of Access Road	60 days	16/10/17	14/12/17			
135	Existing Band Drains Cut-down (2520 nos)	90 days	03/10/17	31/12/17			
136	Section C - Area C3, HRSG & MSBU10 for Empolyer's Specialist	499 days	01/11/16	14/03/18			
137	HRSG Area Equipment Rm & Fdn - South (Area C7)	201 days	02/07/17	18/01/18			
138	Excavation to Formation Level	14 days	02/07/17	15/07/17			
139	Pile Head Treatment	14 days	16/07/17	29/07/17			
140	Pile Cap & Tie Beam - GL 10-H to 10H-H, 10-H5 to 10-9	60 days	23/07/17	20/09/17			
141	Pit Constructions	30 days	22/08/17	20/09/17			
142	All Underground Utilities	60 days	21/09/17	19/11/17			
143	Backfill & Reinstatement & Formation of Access Road	60 days	20/11/17	18/01/18			
144	HRSG Equipment Room	175 days	21/09/17	14/03/18			
145	Plate Load Test	10 days	21/09/17	30/09/17			
146	Underground Drainage	14 days	01/10/17	14/10/17			
147	HRSG Equipment RM Foundation + Backfill	18 days	15/10/17	01/11/17			
148	Construct G/F	14 days	02/11/17	15/11/17			
149	Roof Construction	24 days	16/11/17	09/12/17			
150	Parapet Wall	14 days	10/12/17	23/12/17			
151	ABWF Works	30 days	14/01/18	12/02/18			
152	Building Service Installations	30 days	13/02/18	14/03/18			
153	Ready for BA 13 Application	0 days	14/03/18	14/03/18			
154	Main Station Building Fdn, G/F & 1/F	409 days	01/11/16	14/12/17			
155	Installation of Dewatering Well & King Post for Type A	14 days	01/11/16	14/11/16			
156	BD Consent for ELS Phase I MSBU10 Foundation	0 days	23/12/16	23/12/16			
157	BD Consent for ELS Phase II MSBU10 Foundation	0 days	13/01/17	13/01/17			
158	Turbo Block (Col portion)	21 days	22/08/17	11/09/17			
159	Turbo Block (Upper Portion) for handover to erection contractor	30 days	12/09/17	11/10/17			

ID	Task Name	Duration	Start	Finish	Gantt Chart		
					December 2018	January 2019	February 2019
160	Substructure & G/F- GL SC1 to 10-F, 10-1 to 10-6	307 days	24/12/16	26/10/17			
161	Excavation to Formation Level (Tx Bay Area + upto 10-D)	14 days	24/12/16	06/01/17			
162	Cut-down Pile Head & treatment	45 days	28/12/16	10/02/17			
163	Construction of Transformer Bay Foundations	60 days	11/02/17	11/04/17			
164	Pile Cap & Tie Beam, Pits Construction	60 days	12/04/17	10/06/17			
165	Bearing Wall, Column Post and G/F Plinths	60 days	11/06/17	09/08/17			
166	Excavation, Waling & Struct (Type A & Type C)	60 days	26/04/17	24/06/17			
167	CEP Drain Pit /Sump Pit Construction	14 days	25/06/17	08/07/17			
168	Arrival of CW Culvert piping materials incl. flexible joint & other cast in materials	0 days	30/12/16	30/12/16			
169	Construction of Culvert Outlet Box (1st pour)	18 days	25/06/17	12/07/17			
170	Construction of Tie Beam/ Ground Beam + Outlet Box 2nd Pour	40 days	13/07/17	21/08/17			
171	Construction of Culvert Inlet Box & Ground Beams	45 days	22/08/17	05/10/17			
172	Backfill + Slabs & Drainage at G/F Area	21 days	06/10/17	26/10/17			
173	Turbo Block Foundation (1st portion) + Temp work	35 days	18/07/17	21/08/17			
174	Substructure & G/F- GL 10-F to 10-H, 10-1 to 10-6	278 days	07/01/17	11/10/17			
175	Excavation to Formation Level (+2.425mPD & 5.025mPD)	60 days	07/01/17	07/03/17			
176	Existing Sheet Pile Cut-down	7 days	08/03/17	14/03/17			
177	Pile Head Treatment	14 days	15/03/17	28/03/17			
178	Pile Cap & Tie Beam Construction	90 days	29/03/17	26/06/17			
179	Complete excavation at Type B & Plate Load Test	65 days	15/03/17	18/05/17			
180	Blow Down Sump (1st pour) + Mass Concrete for tie beams	50 days	27/06/17	15/08/17			
181	Remaining Tie Beams + Column Post at North of Turbo Block	30 days	16/08/17	14/09/17			
182	Backfill, Bearing Wall, Drainage and G/F Slab Construction	21 days	15/09/17	05/10/17			
183	Pile Caps & Tie Beam at South of Turbo Block	30 days	22/08/17	20/09/17			
184	Turbo Block Foundation (GL 10-F to H)	21 days	21/09/17	11/10/17			
185	G/F & 1/F & Maintenance Floor	115 days	22/08/17	14/12/17			
186	Steel Column & Beam Erections (other than for roof truss)	70 days	22/08/17	30/10/17			
187	R.C. Structure Construction	45 days	31/10/17	14/12/17			
188	Transformer Area	95 days	10/08/17	12/11/17			
189	Fire Wall Construction	50 days	10/08/17	28/09/17			
190	Slab & Plinths Construction + Backfill	45 days	29/09/17	12/11/17			
191	C.W. Culvert System (Area C3)	202 days	11/06/17	29/12/17			
192	Excavation to Formation Level	14 days	11/06/17	24/06/17			
193	Construction of Binding & Plinth	3 days	25/06/17	27/06/17			
194	CW Pipe Laying	14 days	28/06/17	11/07/17			
195	Thrust Box Construction	14 days	12/07/17	25/07/17			
196	Water Test	10 days	26/07/17	04/08/17			
197	Backfill	14 days	05/08/17	18/08/17			
198	Pile Cap & Tie Beam + Underground UU + Backfill	60 days	31/10/17	29/12/17			
199	Section D - Remaining of MSBU10, HRSG, A&A at L9 & L8, CW Pump Equip. Rm No. 4 Ext. & Demolish Site Toilet	419 days	29/03/17	21/05/18			
200	C.W Culvert System (Area C5)	142 days	30/12/17	20/05/18			
201	Excavation to Formation Level (-2.8mPD) with ELS Installation	30 days	30/12/17	28/01/18			
202	Construction of Binding & Plinth	7 days	29/01/18	04/02/18			
203	Penstock Trial & Preparation for connection to existing outlet pipe	0 days	04/02/18	04/02/18			
204	Pipe Laying (2 Pipes)	21 days	05/02/18	25/02/18			
205	Water Test	10 days	26/02/18	07/03/18			
206	Backfill	14 days	08/03/18	21/03/18			
207	All underground Utilities	60 days	22/03/18	20/05/18			
208	Backfill & Reinstatement & Formation of Access	60 days	22/03/18	20/05/18			
209	HRSG Area Fdn - North (Area C6)	356 days	29/03/17	19/03/18			
210	Excavation to Formation Level	21 days	29/03/17	18/04/17			
211	Pile Head Treatment	14 days	19/04/17	02/05/17			
212	Fdn North of HRSG Area GL 10-H to 10H-H, 10-1to 10H-5	60 days	03/05/17	01/07/17			
213	Pit Constructions	30 days	21/09/17	20/10/17			
214	Backfill	60 days	21/10/17	19/12/17			

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					December 2018	January 2019	February 2019
215	Underground UU & Formation of Access	90 days	20/12/17	19/03/18			
216	Main Station Building - Unit L10 Superstructure	229 days	05/10/17	21/05/18			
217	2/F	28 days	31/10/17	27/11/17			
218	Steel Beam Erection	18 days	31/10/17	17/11/17			
219	R.C. Structure Construction	10 days	18/11/17	27/11/17			
220	3/F	20 days	18/11/17	07/12/17			
221	Steel Beam Erection	18 days	18/11/17	05/12/17			
222	R.C. Structure Construction	10 days	28/11/17	07/12/17			
223	4/F	18 days	06/12/17	23/12/17			
224	Steel Beam Erection	18 days	06/12/17	23/12/17			
225	R.C. Structure Construction	10 days	08/12/17	17/12/17			
226	5/F & Roof except GL 10-G to 10-H and 10-2 to 10-6	168 days	05/10/17	21/03/18			
227	Steel Roof Truss Preparation	60 days	05/10/17	03/12/17			
228	Steel Roof Truss Erection + 2d Truss Bolt & Nut	35 days	04/12/17	07/01/18			
229	Steel Roof & Crane Rail Erection	21 days	25/12/17	14/01/18			
230	Slab Construction	45 days	18/12/17	31/01/18			
231	Upper Roof - Steel Roof Erection	21 days	15/01/18	04/02/18			
232	Upper roof RC construction	45 days	05/02/18	21/03/18			
233	Staircase Constructions	75 days	31/10/17	13/01/18			
234	Ceiling Scaffolding & Fendolite Installation to S. Steel Works	120 days	20/12/17	18/04/18			
235	External Metal Cladding Installation	120 days	24/12/17	22/04/18			
236	Internal ABWF Works	150 days	14/11/17	12/04/18			
237	BS Installation	175 days	28/11/17	21/05/18			
238	275kV Cable Trench (Area C5 & C6)	61 days	22/03/18	21/05/18			
239	Cable & Pipe Trench (C5 Area)	45 days	22/03/18	05/05/18			
240	Cable Trench (C6 Area)	45 days	07/04/18	21/05/18			
241	MSB UnitL9 - A&A	105 days	08/01/18	22/04/18			
242	Hack-off Lean Concrete	60 days	08/01/18	08/03/18			
243	Pipe Rack Support Construction	45 days	09/03/18	22/04/18			
244	MSB UnitL8 - A&A	120 days	02/09/17	30/12/17			
245	A&A Works	120 days	02/09/17	30/12/17			
246	C.W. Pump Equipment Room	276 days	28/06/17	31/03/18			
247	BA 10 Application	0 days	28/06/17	28/06/17			
248	Removal of RC fin from existing CW Pump Room	14 days	29/06/17	12/07/17			
249	Tree Transplant & falling	30 days	13/07/17	11/08/17			
250	Excavation & Raft Footing	45 days	12/08/17	25/09/17			
251	Underground Drainage + Backfill	18 days	26/09/17	13/10/17			
252	Construct G/F	14 days	14/10/17	27/10/17			
253	Roof Construction	45 days	28/10/17	11/12/17			
254	Parapet Wall	18 days	12/12/17	29/12/17			
255	ABWF Works	40 days	11/01/18	19/02/18			
256	Building Service Installations	40 days	20/02/18	31/03/18			
257	Extenal Pipe Rack Extension & Reinstatement Works	150 days	28/10/17	26/03/18			
258	Ready for BA 13 Application	0 days	31/03/18	31/03/18			
259	Demolition Work - Temporary Site Toilet	60 days	31/01/18	31/03/18			
260	Demolition of Temp. Site Toilet	60 days	31/01/18	31/03/18			
261	Section E - Middel Rd & South of L10. Expose & Construction New 275kV Trench at LMX	337 days	29/06/17	31/05/18			
262	275kV Cable Trench	120 days	29/01/18	28/05/18			
263	275kV Cable Trench Re-excavation (~172m)	120 days	29/01/18	28/05/18			
264	C.W. Culvert System (Area C9a & C15)	337 days	29/06/17	31/05/18			
265	Removal of existing paving block	8 days	29/06/17	06/07/17			
266	Install ELS Phase 1 + consent	60 days	07/07/17	04/09/17			
267	Excavation & Blinding & Construct Plinth	30 days	05/09/17	04/10/17			
268	Pipe Laying & Thrust Box	60 days	05/10/17	03/12/17			
269	Water Test and Backfill	14 days	04/12/17	17/12/17			

ID	Task Name	Duration	Start	Finish	Gantt Chart		
					December 2018	January 2019	February 2019
270	Underground UU and Reinstatement	120 days	18/12/17	16/04/18			
271	Install ELS Phase 2 + consent	21 days	15/08/17	04/09/17			
272	Blinding & Concrete Plinth	30 days	05/09/17	04/10/17			
273	Pipe Laying and Thrust Box	45 days	04/12/17	17/01/18			
274	Water Test & Backfill	14 days	18/01/18	31/01/18			
275	Underground UU and Reinstatement	120 days	01/02/18	31/05/18			
276	Section F -Urea Storage & Handling Facilities	488 days	01/05/17	31/08/18			
277	Urea Handling & Storage Plant House, Electrical Room & Pipe Rack	488 days	01/05/17	31/08/18			
278	BA 10 Application	7 days	01/05/17	07/05/17			
279	Excavation to Formation Level	10 days	26/09/17	05/10/17			
280	Plate Load Test	14 days	06/10/17	19/10/17			
281	Raft Foundation (Urea Handling Rm + Ele Rm)	30 days	20/10/17	18/11/17			
282	Backfill	21 days	19/11/17	09/12/17			
283	Construct G/F	21 days	10/12/17	30/12/17			
284	Roof Construction	90 days	31/12/17	30/03/18			
285	Parapet Wall	14 days	31/03/18	13/04/18			
286	ABWF Works	60 days	14/04/18	12/06/18			
287	Building Service Installations	80 days	13/06/18	31/08/18			
288	Ready for BA 13 Application	0 days	31/08/18	31/08/18			
289	Plate Load Test	14 days	06/10/17	19/10/17			
290	Pipe Rack Foundation	28 days	20/10/17	16/11/17			
291	Supporting Tower (4 no.) (9.55m in Height)	60 days	17/11/17	15/01/18			
292	Pipe Rack Truss (3 no.) 17.3m Span	60 days	16/01/18	16/03/18			
293	Section G - Demin. Plant Road & Modification at No. 4 CW Intake	273 days	01/01/18	30/09/18			
294	C.W Culvert System (Area C9b)	273 days	01/01/18	30/09/18			
295	Site possession	0 days	01/01/18	01/01/18			
296	Removal of paving block & ELS Installation + consent	60 days	01/01/18	01/03/18			
297	Excavation to Formation Level with ELS Installation	30 days	02/03/18	31/03/18			
298	Construction of Blinding & Plinth	21 days	01/04/18	21/04/18			
299	Pipe Laying (2 pipes x ~45m)	30 days	22/04/18	21/05/18			
300	Construction of Thrust Box	14 days	22/05/18	04/06/18			
301	Water Test	7 days	05/06/18	11/06/18			
302	Backfill	16 days	12/06/18	27/06/18			
303	All underground Utilities	50 days	28/06/18	16/08/18			
304	Backfill & Reinstatement & Formation of Access	45 days	17/08/18	30/09/18			
305	Modification Works - No. 4 C.W. Intake & No.3 C.W. Outfall	183 days	01/04/18	30/09/18			
306	No. 3 C.W. Outfall Modification	90 days	01/04/18	29/06/18			
307	No. 4 C.W. Intake Modification	90 days	03/07/18	30/09/18			
308	Section H1 - Gas Support foundation & trench at Area C11	179 days	21/05/18	15/11/18			
309	GRS Support Foundation	179 days	21/05/18	15/11/18			
310	Temporary Protection, advance work etc	14 days	21/05/18	03/06/18			
311	Gas Pipe Footing	165 days	04/06/18	15/11/18			
312	Gas Pipe Trench	90 days	18/08/18	15/11/18			
313	Section H2 - GRS Improvement work at Area C10	441 days	01/09/17	15/11/18			
314	GRS Area Improvement Works	441 days	01/09/17	15/11/18			
315	Retaining Wall Construction	90 days	01/09/17	29/11/17			
316	Removal of Surcharge and Backfill	45 days	30/11/17	13/01/18			
317	Footing Construction	240 days	14/01/18	10/09/18			
318	Topping up, finish and Misc. Works	66 days	11/09/18	15/11/18			
319	Section H3 - L10 Chimney Flue and A&A L9	318 days	01/01/18	15/11/18			
320	No.4 Chimney Steel Flue	318 days	01/01/18	15/11/18			
321	Consent, documentation and site preparation	0 days	01/01/18	01/01/18			
322	Steel Flue Preparation & installation	150 days	02/01/18	31/05/18			
323	Install Steel Cover at Windshield	45 days	01/06/18	15/07/18			
324	Install Steel Cover at Roof	30 days	16/07/18	14/08/18			
325	Modification & Reinstatement Works	55 days	15/08/18	08/10/18			

ID	Task Name	Duration	Start	Finish	Gantt Chart		
					December 2018	January 2019	February 2019
326	E & M Installation	38 days	09/10/18	15/11/18			
327	L9 A&A	120 days	19/07/18	15/11/18			
328	Section I1 - Link Bridge & associated A&A	94 days	01/01/18	05/04/18			
329	Link Bridge	94 days	01/01/18	05/04/18			
330	Design & Shop Drawings	0 days	01/01/18	01/01/18			
331	Site preparation	14 days	02/01/18	15/01/18			
332	Link Bridge between Unit L9 & L10	60 days	05/02/18	05/04/18			
333	Section I2 - Shunt Reactor SR4 Foundation	90 days	01/01/19	31/03/19			
334	Shunt Reactor Compound SR4	90 days	01/01/19	31/03/19			
335	Modification Work at Shunt Reactor SR4	90 days	01/01/19	31/03/19			
336	Section I3 - All remaining work except deferred works	417 days	08/02/18	31/03/19			
337	Remaining Works	417 days	08/02/18	31/03/19			
338	Demolition of Canopy @ Jetty Guard Hose & Toilet)	30 days	02/08/18	31/08/18			
339	Demolition of Existing Contractor Shed	60 days	01/09/18	30/10/18			
340	Security Fence Erection	20 days	31/10/18	19/11/18			
341	All External Works & Road Works	417 days	08/02/18	31/03/19			
342	Deferred Works - L10 MSB and HRSG	395 days	02/03/18	31/03/19			
343	Construction of L10 MSB Roof Between GL 10-G to 10-H and 10-2 to 10-6 After the Overhead Crane Installation	30 days	02/03/18	31/03/18			
344	Construction of Walls and Ceilings of Lube Oil Tank Room at L10 MSB	92 days	01/05/18	31/07/18			
345	Construction of Walls of L10 MSB Below Level +18mPD along GL10-6 from GL10-F to 10-H and Walls of L10 MSB along GL10-H from GL10-5 to 10-6 including the associated Building Elements	92 days	01/05/18	31/07/18			
346	Construction of Walls of L10 MSB Below 1/F along GL10-6 from GL10-B to 10-C and the associated Staircases including the Enclosure Walls between G/F and 1/F.	184 days	01/05/18	31/10/18			
347	Construction of Internal Partition Wall at 1/F of L10 MSB along GL10-C from GL10-2 to 10-3	32 days	15/05/18	15/06/18			
348	Removal of Temporary Paving Within L10 HRSG Area to Expose all respective Equipment Foundations	14 days	01/08/18	14/08/18			
349	Construction of Foundation Plinths and Walls of Lube Oil Storage Tank	93 days	15/08/18	15/11/18			
350	Construction of Metal Fence and the associated Fire Services Installations and Installation of Removable Shelter Transformer Area	121 days	01/12/18	31/03/19			
351	Deferred Works - External Works	182 days	01/10/18	31/03/19			
352	Final Reinstatement of Access Roads and Pavement Surrounding and within L10 MSB and L10 HRSG Area	151 days	01/10/18	28/02/19			
353	FSD Inspection	14 days	02/03/19	15/03/19			
354	BD OP Inspection	14 days	18/03/19	31/03/19			
355	Section J - Cable Route CPX1&2 cable diversion & whole of work except deferred works to be carried out in DLP	1127 days	01/05/17	31/05/20			
356	275kV Cable Diversion	1127 days	01/05/17	31/05/20			
357	Part I (1km in Length, 1.1m to 1.5m Deep) (Works in existing Trench)	426 days	01/05/17	30/06/18			
358	Tentative Commencement Date Of Civil Works	0 days	01/05/17	01/05/17			
359	Trail Pit & Trench at Joint Bay	120 days	01/05/17	28/08/17			
360	Implementation of TTA	7 days	22/08/17	28/08/17			
361	Remove the Concrete Road Cover	60 days	29/08/17	27/10/17			
362	Cable Trench Re-excavation (by Mechanical Method)	120 days	03/09/17	31/12/17			
363	Completion Date of Trench Excavation for Site Handover	0 days	31/12/17	31/12/17			
364	Tentative Period for Backfilling and Road Reinstatement (Excluding Joint Bay and Trench at Station Road)	91 days	01/04/18	30/06/18			
365	Part II (630m in Length, 1.1m to 1.5m Deep) (Works in existing Trench)	485 days	01/11/17	28/02/19			
366	Tentative Commencement Date Of Civil Works	0 days	01/11/17	01/11/17			
367	Implementation of TTA	9 days	01/11/17	09/11/17			
368	Remove the Concrete Road Cover	60 days	10/11/17	08/01/18			
369	Trench Excavation and Installation of Road Decking at Joint Bay (Including Part I & II)	145 days	09/01/18	02/06/18			
370	Cable Trench Re-excavation (by Mechanical Method)	90 days	03/06/18	31/08/18			
371	Completion Date of Trench Excavation for Site Handover	0 days	31/08/18	31/08/18			

ID	Task Name	Duration	Start	Finish	Gantt Chart		
					December 2018	January 2019	February 2019
372	Tentative Period for Backfilling and Road Reinstatement (Including Joint Bay at Part I, but excluding Joint Bay SJ3)	90 days	01/12/18	28/02/19	[Gantt bar spanning Dec 2018 to Feb 2019]		
373	Part III (400m in Length, 1.3m to 1.5m Deep) (Works in New Trench)	518 days	01/07/18	30/11/19	[Gantt bar spanning Jul 2018 to Nov 2019]		
374	Tentative Commencement Date Of Civil Works	0 days	01/07/18	01/07/18	[Gantt bar at start of Jul 2018]		
375	Implementation of TTA	9 days	01/07/18	09/07/18	[Gantt bar in Jul 2018]		
376	Remove the Concrete Road Cover	90 days	10/07/18	07/10/18	[Gantt bar in Jul 2018]		
377	Cable Trench Excavation with shoring	260 days	31/07/18	16/04/19	[Gantt bar spanning Jul 2018 to Apr 2019]		
378	Construction of New Joint Bay	45 days	17/04/19	31/05/19	[Gantt bar in Apr 2019]		
379	Completion Date of Trench Excavation for Site Handover	0 days	31/05/19	31/05/19	[Gantt bar at end of May 2019]		
380	Tentative Period for Backfilling and Road Reinstatement (excluding new slab but including SJ3)	91 days	01/09/19	30/11/19	[Gantt bar spanning Sep 2019 to Nov 2019]		
381	Part IV (Hand Dig Tunnel) + Defer portion	701 days	01/07/18	31/05/20	[Gantt bar spanning Jul 2018 to May 2020]		
382	Tentative Commencement Date Of Civil Works	0 days	01/07/18	01/07/18	[Gantt bar at start of Jul 2018]		
383	Trial Pits / Trenches	30 days	01/07/18	30/07/18	[Gantt bar in Jul 2018]		
384	Existing Drainage Diversion, if any	20 days	31/07/18	19/08/18	[Gantt bar in Jul 2018]		
385	Formation of Temp. Cable Pit	90 days	20/08/18	17/11/18	[Gantt bar spanning Aug 2018 to Nov 2018]		
386	Hand Dig Tunel (15m)	150 days	18/11/18	16/04/19	[Gantt bar spanning Nov 2018 to Apr 2019]		
387	Excavtion for new RC Works	90 days	17/01/19	16/04/19	[Gantt bar in Jan 2019]		
388	Construction of new RC Works	45 days	17/04/19	31/05/19	[Gantt bar in Apr 2019]		
389	Backfill & reinstatement except new trench	30 days	01/06/19	30/06/19	[Gantt bar in Jun 2019]		
390	Completion Date of Trench for Site Handover	0 days	30/06/19	30/06/19	[Gantt bar at end of Jun 2019]		
391	Deferred Works - Cable Diversion CPX1 and CPX2 (during DLP)	274 days	01/09/19	31/05/20	[Gantt bar spanning Sep 2019 to May 2020]		
392	Formation of Wall Opening between existing trench CPX1 and new Joint Bay	7 days	01/09/19	07/09/19	[Gantt bar in Sep 2019]		
393	Breaking up for Road Paving and Excavation down to Cable Tiles of Existing Trench CPX2	31 days	01/12/19	31/12/19	[Gantt bar in Dec 2019]		
394	Demolition of Existing Trench CPX1 and CPX2	30 days	01/04/20	30/04/20	[Gantt bar in Apr 2020]		
395	Final Reinstatement of the CPX1 and CPX2 Areas	31 days	01/05/20	31/05/20	[Gantt bar in May 2020]		
396	Deferred Works - Shunt Reactor Compound SR4 (during DLP)	153 days	01/07/19	30/11/19	[Gantt bar spanning Jul 2019 to Nov 2019]		
397	Trench Re-excavation and Cable Supports Installation for Shunt Reactor Compound SR4	62 days	01/07/19	31/08/19	[Gantt bar spanning Jul 2019 to Aug 2019]		
398	Backfilling and Road Re-instatement of Shunt Reactor SR4 and Associated Trench	30 days	01/11/19	30/11/19	[Gantt bar in Nov 2019]		

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



No.	Description	2018	2019	
		Dec	Jan	Feb
	Erection Key Date	ⓔ	◊	
		P/ R	H/T 31-Jan	
		○ CW In Service 31-Dec		
A	HRSG PORTION			
A-01	Install Casing (Bottom/Side/Top) with Structure			
			Bottom/Side/Top Casing Install	
				Dism:
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			

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

Appendix J



No.	Description	2018	2019	
		Dec	Jan	Feb
	Erection Key Date	ⓔ	◊	
		P/ R	H/T 31-Jan	
		○ CW In Service 31-Dec		
A-11	Inlet Duct Structure / Include Pipe Rack (U9-U10 Connection)			
A-12	Inlet Duct			
A-13	Exhaust Duct Structure			
A-14	Exhaust Duct	Install Insulation / Lag		
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	Press		
A-16	Insulation	Fabrication lagging		
A-17	Painting			
A-18	Install Catalyst			
A-19	Steam Blowing out(other scope) & alkaline boiling out			

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

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No.	Description	2018	2019	
		Dec	Jan	Feb
	Erection Key Date	ⓔ	◊	
		P/ R	H/T 31-Jan	
		○ CW In Service 31-Dec		
	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	S		
B-3	Install ST			
				Install
				Fin

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

Appendix J



No.	Description	2018	2019	
		Dec	Jan	Feb
	Erection Key Date	ⓔ	◊	
		P/ R	H/T 31-Jan	
		○ CW In Service 31-Dec		
B-4	Install GEN			Lube Final Alignme Prepare
B-5	Install GT			Lube Final Alignme P/T

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

Appendix J



No.	Description	2018	2019	
		Dec	Jan	Feb
	Erection Key Date	ⓔ	◊	
		P/ R	H/T 31-Jan	
		○ CW In Service 31-Dec		
B-6	Aux Equipment			
B-7	Insulation			
B-8	Painting			
B-9	Switchgear/Hoist/Hoist for condenser			

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



No.	Description	2018	2019	
		Dec	Jan	Feb
	Erection Key Date	ⓔ	◊	
		P/ R	H/T 31-Jan	
		○ CW In Service 31-Dec		
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	●		●

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

Appendix J



No.	Description	2018	2019	
		Dec	Jan	Feb
	Erection Key Date	ⓔ	◊	
		P/ R	H/T 31-Jan	
		○ CW In Service 31-Dec		
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			

Contract No. 17/8002 Lamma Power Station Extension Civil and Building Works for Unit L11

17-8002 Master Prog Rev 1.mpp

ID	Task Name	Duration	Start	Finish	Timeline			
					November 2018	December 2018	January 2019	February 2019
1	Unit 11 Building and Civil Works	1234 days	01/06/18	16/10/21				
2	Contract Key Dates	1096 days	01/06/18	31/05/21				
3	Contract Commencement Date	0 days	01/06/18	01/06/18				
4	Section A1 - Ground treatment installation works at Zone 1A	0 days	31/10/18	31/10/18	▶			
5	Section A2 - Ground treatment installation works at Zone 1B	0 days	31/10/18	31/10/18	▶			
6	Section A3 - Ground treatment installation works at Zone 2	0 days	30/11/18	30/11/18		◆		
7	Section A4 - Ground treatment installation works at Zone 3	0 days	31/12/18	31/12/18			◆	
8	Section A5 (i) - Ground treatment installation works at Zone 4 - Band drain installation	0 days	31/01/19	31/01/19				◆
9	Section A5 (ii) - Ground treatment installation works at Zone 4 - Surcharge filling	0 days	30/09/19	30/09/19				
10	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	0 days	31/05/20	31/05/20				
11	Section A6 (ii) - External works at Area E15	0 days	26/03/20	26/03/20				
12	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	0 days	31/12/19	31/12/19				
13	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB including the associated roof structure except the roof deferred works	0 days	04/12/19	04/12/19				
14	Section B1 (iii) - FSRU Civil works at Area E13	0 days	31/12/19	31/12/19				
15	Section B2 - Retractable Cover D at Area E22	0 days	31/12/19	31/12/19				
16	Section B3 - External works at Area B1, D2 and D4	0 days	31/12/19	31/12/19				
17	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)	0 days	15/07/20	15/07/20				
18	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	31/01/20	31/01/20				
19	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	31/01/20	31/01/20				
20	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	31/01/20	31/01/20				
21	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	15/02/20	15/02/20				
22	Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding in Area E6	0 days	15/02/20	15/02/20				
23	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	15/02/20	15/02/20				
24	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	15/02/20	15/02/20				
25	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20	0 days	15/02/20	15/02/20				
26	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	31/08/20	31/08/20				
27	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	0 days	31/08/20	31/08/20				
28	Section E1 - (iii) External Works at Area E15 (C)	0 days	31/08/20	31/08/20				
29	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	30/06/20	30/06/20				
30	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)	0 days	30/06/20	30/06/20				
31	Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)	0 days	30/06/20	30/06/20				

ID	Task Name	Duration	Start	Finish	November 2018		December 2018		January 2019		February 2019	
32	Section F - 275kV Station Building Extension and associated works at Area E17	0 days	31/05/20	31/05/20								
33	Section G - A&A Works at No. 4 C.W. Intake at Area E12	0 days	31/05/20	31/05/20								
34	Section H - L11 Steel flue liner at No. 4 Chimney	0 days	16/06/19	16/06/19								
35	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	0 days	16/04/21	16/04/21								
36	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	0 days	16/04/21	16/04/21								
37	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 Area E21	0 days	30/04/21	30/04/21								
38	Section K1 - External works at Area 15 (E) and 15(F)	0 days	31/05/21	31/05/21								
39	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D	0 days	31/05/21	31/05/21								
40	Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	0 days	31/05/21	31/05/21								
41	Deferred Works in Respective Sections	656 days	31/12/19	16/10/21								
42	Item 1 - Construction of L11 MSB roof between GL11-G to 11-H and 11-2 to 11-6 after the overhead crane installation by the Employer's Specialist Contractors	1 day	31/12/19	31/12/19								
43	Item 2 - (i) Construction of walls and ceilings of Lube Oil Tank Room at L11 MSB	92 days	01/05/20	31/07/20								
44	Item 2 - (ii) Construction of walls of L11 MSB below level +18mPD along GL11-6 from GL11-F to 11-H and walls of L11 MSB along GL 11-H from GL11-5 to 11-6 including the associated building elements	92 days	01/05/20	31/07/20								
45	Item 3 - Construction of walls of L11 MSB below 1/F along GL 11-6 from GL11-B to 11-C and the associated staircases including the enclosure walls between G/F and	184 days	01/05/20	31/10/20								
46	Item 4 - Construction of internal partition wall at 1/F of L11 MSB along GL 11-C from GL 11-2 to 11-3	32 days	15/05/20	15/06/20								
47	Item 5 - Removal of temporary paving within L11 HRSG area to expose all respective equipment foundations	14 days	01/08/20	14/08/20								
48	Item 6 - Construction of foundation plinths and bund walls of Lube Oil Storage Tank	93 days	15/08/20	15/11/20								
49	Item 7 - Construction of metal fence and the associated Fire Service (F.S.) installations and installation of removable shelter at Transformer Area	121 days	01/12/20	31/03/21								
50	Item 8 - Final reinstatement of access roads and pavement surrounding and within L11 MSB and L11 HRSG area at Area E1, E2 & E3 (B)	121 days	01/12/20	31/03/21								
51	Item 9 - Installation of trench cover and road re-instatement of gas pipe and cable trenches within Area E3 (A), E3 (C), E8, E14, E16 and E20	151 days	01/01/21	31/05/21								
52	Item 10 - Backfilling and road re-instatement of 275kV cable trenches and Interconnector 2 modification works within Area E5, E9 (A), E9(B) and E10	122 days	17/06/21	16/10/21								
53	General & Preliminary	194 days	01/06/18	11/12/18	11 Dec '18							
54	Set up Temporary Site Office and Utilities	60 days	01/06/18	30/07/18								
55	Full Mobilization	14 days	31/07/18	13/08/18								
56	Permit Applications & Statuary Submissions	120 days	14/08/18	11/12/18	Permit Applications & Statuary Submissions							
57	Existing Utilities scanning & Excavation Permit	45 days	28/10/18	11/12/18	Existing Utilities scanning & Excavation Permit							
58	Submission and Approval	554 days	01/06/18	06/12/19								
59	Method Statement / Temp Work Submission & Approval from HEC for General Works	240 days	01/06/18	26/01/19	Method Statement / Temp Work Submi							
60	BD Approval & Consent (If required)	120 days	01/06/18	28/09/18								
61	BIM Model, CSD & CBWD Submission & Approval from HEC	200 days	29/09/18	16/04/19								
62	Structure Steelwork Connection Design Submission & BD Approval	60 days	29/09/18	27/11/18	Structure Steelwork Connection Design Submission & BD Approval							
63	Structure Steelwork Shop Drawing & Approval	60 days	13/10/18	11/12/18	Structure Steelwork Shop Drawing & Approval							
64	Metal Cladding, louvre & windows submission & BD Approval	60 days	28/11/18	26/01/19	Metal Cladding, louvre & windows sub							
65	Metal Cladding, louvre & windows shop drawing submission	60 days	12/12/18	09/02/19	Metal Cladding, louvre							
66	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & Louvres)	180 days	27/10/18	24/04/19								
67	Retractable Cover D BD Submission & Approval	120 days	26/12/18	24/04/19								

ID	Task Name	Duration	Start	Finish	Gantt Chart			
					November 2018	December 2018	January 2019	February 2019
68	No. 4 C.W. Outfall A&A BD approval & consent	120 days	30/08/18	27/12/18	No. 4 C.W. Outfall A&A BD approval & consent			
69	Submission & Approval of Steel Flue Assessment Report and Design Drawings	60 days	30/09/18	28/11/18	Submission & Approval of Steel Flue Assessment Report and Design Drawings			
70	Submission and Approval of Steel Flue Design from BD	60 days	30/09/18	28/11/18	Submission and Approval of Steel Flue Design from BD			
71	Material Fabrication & Delivery for L11 Flue	100 days	15/10/18	22/01/19	Material Fabrication & Delivery for L11 Flue			
72	Folding Shutters Shop Drawing Submission & Approval	120 days	10/02/19	09/06/19				
73	Fabrication & Delivery of Folding Shutters	150 days	10/06/19	06/11/19				
74	Sewage Pump System Design submission & approval	90 days	12/03/19	09/06/19				
75	Fabrication & Delivery of Sewage Pump	180 days	10/06/19	06/12/19				
76	Other material submission & approval & delivery	300 days	31/07/18	26/05/19				
77	Coordination with the Employer's Specialist Contractors	657 days	14/01/19	31/10/20	14 Jan '19 TDK			
78	Installation of Puddle Pipes at C.W. outlet Culvert	7 days	14/01/19	20/01/19	Installation of Puddle Pipes at C.W. outlet Cul			
79	Installation of Puddle Pipes at C.W. Inlet Culvert	7 days	10/04/19	16/04/19				
80	Template setting at L11 Turbo Block Foundation	45 days	08/11/19	22/12/19				
81	Template setting of holding down bolts at HRSG column base	46 days	05/08/19	19/09/19				
82	I-beam / channel base installation on top of transformer foundations at Transformer Area	32 days	28/05/19	28/06/19				
83	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	38 days	04/12/19	10/01/20				
84	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	90 days	01/02/20	30/04/20				
85	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	90 days	01/02/20	30/04/20				
86	Installation of equipment in L11 HRSG area after the temporary paving was removed to expose the respective foundations by the Contractor	78 days	15/08/20	31/10/20				
87	Installation of embedded materials such as holding down bolts for equipment foundations - Commencement	0 days	31/03/19	31/03/19				
88	Section A1 & A2 - Ground treatment at Zone 1A & 1B	92 days	01/08/18	31/10/18	31 Oct '18			
97	Section A3 - Ground treatment installation works at Zone 2	70 days	22/09/18	30/11/18	30 Nov '18			
102	Section A4 - Ground treatment installation works at Zone 3	71 days	22/10/18	31/12/18	31 Dec '18			
106	Section A5 (i) - Ground treatment installation works at Zone 4	45 days	18/12/18	31/01/19	18 Dec '18 Sec.A5(i)			
109	Section A5 (ii) - Surcharge works at Zone 4	30 days	01/09/19	30/09/19	31 Jan '19			
111	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	426 days	01/04/19	31/05/20				
112	Mobilization after obtain approval & consent	0 days	01/04/19	01/04/19				
113	Manhole extension at Outfall no. 4	180 days	02/04/19	28/09/19				
114	Construction of jacking pit	150 days	02/04/19	29/08/19				
115	Sheet pile for future extension	30 days	01/06/19	30/06/19				
116	Pipe Jacking set up & ground strengthening	60 days	30/08/19	28/10/19				
117	Allow modify existing outfall manhole for pipe jacking receiving	90 days	29/09/19	27/12/19				
118	Pipe Jacking x 3 nos.	135 days	29/10/19	11/03/20				
119	Culvert Pipe Intallation & water test	120 days	13/12/19	10/04/20				
120	Thrust Box Construction	21 days	11/04/20	01/05/20				
121	Reinstatement	30 days	02/05/20	31/05/20				
122	Section A6 (ii) - External works at Area E15	427 days	25/01/19	26/03/20	25 Jan '19 Sec.A6(ii)			
123	Underground Utilities	180 days	25/01/19	23/07/19				
124	RoadWorks	150 days	24/07/19	20/12/19				
125	Surface Utilities	120 days	28/11/19	26/03/20				
126	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	426 days	01/11/18	31/12/19	Sec.B1(i)			

ID	Task Name	Duration	Start	Finish	17-8002 Master Prog Rev 1.mpp			
					November 2018	December 2018	January 2019	February 2019
127	Excavation for CW Inlet Culvert (work parallel & after MSB ELS phase 1)	100 days	01/11/18	08/02/19	[Gantt bar: 01/11/18 to 08/02/19]			
128	Installation CW Inlet Culvert pipe (South of L11)	100 days	09/02/19	19/05/19	[Gantt bar: 09/02/19 to 19/05/19]			
129	Construction of Thrust Box & Manholes,etc	30 days	20/05/19	18/06/19	[Gantt bar: 20/05/19 to 18/06/19]			
130	Backfill	31 days	19/06/19	19/07/19	[Gantt bar: 19/06/19 to 19/07/19]			
131	Install underground utilities	100 days	20/07/19	27/10/19	[Gantt bar: 20/07/19 to 27/10/19]			
132	Backfill and construction temporary paving	65 days	28/10/19	31/12/19	[Gantt bar: 28/10/19 to 31/12/19]			
133	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB including the associated roof structure except the roof deferred works	77 days	17/09/19	04/12/19	[Gantt bar: 17/09/19 to 04/12/19]			
134	Erection of turbine hall roof except defer work	0 days	17/09/19	17/09/19	[Gantt bar: 17/09/19 to 17/09/19]			
135	Installation of crane grids	21 days	18/09/19	08/10/19	[Gantt bar: 18/09/19 to 08/10/19]			
136	Turbine hall wall claddings	0 days	04/12/19	04/12/19	[Gantt bar: 04/12/19 to 04/12/19]			
137	Section B1 (iii) - FSRU Civil works at Area E13	426 days	01/11/18	31/12/19	[Gantt bar: 01/11/18 to 31/12/19]			
138	Submission and approval for consent to work	75 days	01/11/18	14/01/19	[Gantt bar: 01/11/18 to 14/01/19]			
139	Construction of foundations and trenches	180 days	15/01/19	13/07/19	[Gantt bar: 15/01/19 to 13/07/19]			
140	Erection of steel rack	61 days	14/07/19	12/09/19	[Gantt bar: 14/07/19 to 12/09/19]			
141	Ground reinstatement	110 days	13/09/19	31/12/19	[Gantt bar: 13/09/19 to 31/12/19]			
142	Section B2 - Retractable Cover D at Area E22	365 days	01/01/19	31/12/19	[Gantt bar: 01/01/19 to 31/12/19]			
143	Demolition and clearance work	60 days	01/01/19	01/03/19	[Gantt bar: 01/01/19 to 01/03/19]			
144	Foundation construction	75 days	02/03/19	15/05/19	[Gantt bar: 02/03/19 to 15/05/19]			
145	Backfill & Ground statement	20 days	16/05/19	04/06/19	[Gantt bar: 16/05/19 to 04/06/19]			
146	Superstructure fabrication & delivery	110 days	25/04/19	12/08/19	[Gantt bar: 25/04/19 to 12/08/19]			
147	Superstructure erection	90 days	13/08/19	10/11/19	[Gantt bar: 13/08/19 to 10/11/19]			
148	E&M Installation and T&C	51 days	11/11/19	31/12/19	[Gantt bar: 11/11/19 to 31/12/19]			
149	Section B3 - External works at Area B1, D2 and D4	365 days	01/01/19	31/12/19	[Gantt bar: 01/01/19 to 31/12/19]			
150	Receive Area from HKE	0 days	01/01/19	01/01/19	[Gantt bar: 01/01/19 to 01/01/19]			
151	Removal of existing paving for band drain under Section A5(i)	30 days	21/01/19	19/02/19	[Gantt bar: 21/01/19 to 19/02/19]			
152	Complete Vert. Band drain under Section A5(i)	0 days	31/01/19	31/01/19	[Gantt bar: 31/01/19 to 31/01/19]			
153	Ground preparation for B1, D2 & D4	334 days	01/02/19	31/12/19	[Gantt bar: 01/02/19 to 31/12/19]			
154	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)	96 days	10/04/20	15/07/20	[Gantt bar: 10/04/20 to 15/07/20]			
155	Construction CW Outlet pipe (Future) (refer to Section A6(i))	0 days	10/04/20	10/04/20	[Gantt bar: 10/04/20 to 10/04/20]			
156	Construction of Thrust Box & Manholes,etc	0 days	01/05/20	01/05/20	[Gantt bar: 01/05/20 to 01/05/20]			
157	Backfill and construct underground utilities	45 days	17/04/20	31/05/20	[Gantt bar: 17/04/20 to 31/05/20]			
158	Backfill and construction temporary paving	45 days	01/06/20	15/07/20	[Gantt bar: 01/06/20 to 15/07/20]			
159	Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area E7 except the deferred works for Lube Oil Storage Tank	335 days	03/03/19	31/01/20	[Gantt bar: 03/03/19 to 31/01/20]			
160	Excavation & Pile Caps & Tie Beams (HRSG South Area)	45 days	03/03/19	16/04/19	[Gantt bar: 03/03/19 to 16/04/19]			
161	Construction RC foundations	30 days	17/04/19	16/05/19	[Gantt bar: 17/04/19 to 16/05/19]			
162	Construction RC plinths & internal drainage	80 days	17/05/19	04/08/19	[Gantt bar: 17/05/19 to 04/08/19]			
163	Backfill & Construction on-grade slabs	30 days	05/08/19	03/09/19	[Gantt bar: 05/08/19 to 03/09/19]			
164	Construction underground utilities	110 days	18/09/19	05/01/20	[Gantt bar: 18/09/19 to 05/01/20]			
165	Backfill and Temporary paving	26 days	06/01/20	31/01/20	[Gantt bar: 06/01/20 to 31/01/20]			
166	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-I to 11-6 for the installation of power generator, air inlet duct and lube oil reservoir	457 days	01/11/18	31/01/20	[Gantt bar: 01/11/18 to 31/01/20]			
167	Excavation & Pile Caps & Tie Beams (MSBL11)	60 days	01/11/18	30/12/18	[Gantt bar: 01/11/18 to 30/12/18]			
168	Excavation & Construction Blow Down Sum pit (Type B)	45 days	31/12/18	13/02/19	[Gantt bar: 31/12/18 to 13/02/19]			
169	Backfill and construction turbine block foundation	21 days	24/02/19	16/03/19	[Gantt bar: 24/02/19 to 16/03/19]			
170	Construction of internal drainage	18 days	19/05/19	05/06/19	[Gantt bar: 19/05/19 to 05/06/19]			
171	Construction turbine block columns and upper portion for plant embed installation	21 days	18/10/19	07/11/19	[Gantt bar: 18/10/19 to 07/11/19]			

ID	Task Name	Duration	Start	Finish	Timeline			
					November 2018	December 2018	January 2019	February 2019
172	Concrete Turbine upper part foundation & clear falsework	40 days	23/12/19	31/01/20				
173	Construction RC walls incl. G/F rooms	30 days	18/09/19	17/10/19				
174	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	457 days	01/11/18	31/01/20	Sec.C2(iii)			
175	Excavation to foundation level at ELS Type A	60 days	01/11/18	30/12/18				
176	Construction of CW Outlet Box	35 days	31/12/18	03/02/19				
177	Construction of pile caps & tie beams & hot well sump pit	55 days	31/12/18	23/02/19				
178	Construction of pile caps & tie beams from +2.5mPD	45 days	24/02/19	09/04/19				
179	Backfill & Construction of CW Inlet Box	21 days	10/04/19	30/04/19				
180	Backfill and Construction ground beams & trenches	18 days	01/05/19	18/05/19				
181	Construction of indoor underground drainage	18 days	19/05/19	05/06/19				
182	Backfill & construction on-grade slabs	14 days	06/06/19	19/06/19				
183	Construction Column casting and RC walls	45 days	18/09/19	01/11/19				
184	Metal Cladding & Louvres	90 days	03/11/19	31/01/20				
185	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	472 days	01/11/18	15/02/20	Sec.D(i)			
186	Construction of L11 CW Outlet Pipe to MSB Outlet Box	120 days	01/11/18	28/02/19				
187	Construction Thrust Box & Backfill	21 days	01/03/19	21/03/19				
188	Construction of pile caps & tie beams at Transformer Area	24 days	22/03/19	14/04/19				
189	Construction of pile caps & tie beams at SunShadeCover Area	30 days	15/04/19	14/05/19				
190	Construction of plant drainage, trenches & RC plinths	45 days	15/05/19	28/06/19				
191	Undeground utilities & backfill	100 days	18/09/19	26/12/19				
192	Construction on-grade slabs	30 days	27/12/19	25/01/20				
193	Backfill and pavings	21 days	26/01/20	15/02/20				
194	Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding in Area E6	372 days	09/02/19	15/02/20				
195	Excavation & Pile Caps & Tie Beams (HRSG north Area)	22 days	09/02/19	02/03/19				
196	Construction RC foundations	60 days	03/03/19	01/05/19				
197	Construction RC plints & HRSG Lift Pit & internal drainage	90 days	02/05/19	30/07/19				
198	Backfill Construction on-grade slabs	30 days	31/07/19	29/08/19				
199	Construction underground utilities	140 days	30/08/19	16/01/20				
200	Backfill and Temporary paving	30 days	17/01/20	15/02/20				
201	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	241 days	20/06/19	15/02/20				
202	Structural Delivery & Erection (Equipment floor portion)	60 days	20/06/19	18/08/19				
203	Structural Delivery & Erection (Air filter inlet & Turbine Hall Portion)	30 days	19/08/19	17/09/19				
204	Structural Delivery & Erection (Pipe & Cable rack at south of L11)	21 days	18/09/19	08/10/19				
205	Fendolite Application	130 days	19/08/19	26/12/19				
206	External Scaffolding Erection	45 days	19/08/19	02/10/19				
207	Construction 1/F RC Slab	14 days	19/08/19	01/09/19				
208	Construction M/F RC Slab	7 days	02/09/19	08/09/19				
209	Construction 2/F RC Slab	14 days	09/09/19	22/09/19				
210	Construction 3/F RC Slab	14 days	23/09/19	06/10/19				
211	Construction 4/F RC Slab	14 days	07/10/19	20/10/19				
212	Construction 5/F RC Slab	14 days	21/10/19	03/11/19				
213	Construction Roof RC Slab (except defer portion)	30 days	04/11/19	03/12/19				
214	Construction Upper Roof RC Slab	14 days	04/11/19	17/11/19				
215	Construction Defer Roof RC Slab (G.L. G-H)	14 days	18/12/19	31/12/19				

ID	Task Name	Duration	Start	Finish	November 2018		December 2018		January 2019		February 2019	
216	Construction of Staircase ST-01 & lift shaft & machine room	90 days	18/09/19	16/12/19								
217	Construction of Staircase ST-02 except defer work	75 days	02/09/19	15/11/19								
218	Construction of RC plinth, kerbs & parapet Walls	24 days	04/11/19	27/11/19								
219	Erection of Skylight & Roof Features	55 days	18/11/19	11/01/20								
220	Waterproofing	30 days	12/01/20	10/02/20								
221	ABFW Works from 1/F to 5/F equipment rooms	135 days	09/09/19	21/01/20								
222	Building Services E&M Access & Installation	120 days	09/10/19	05/02/20								
223	Metal Cladding, Windows and Louvres incl. roof feature	120 days	09/09/19	06/01/20								
224	Removal of external scaffolding	35 days	12/01/20	15/02/20								
225	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	170 days	30/08/19	15/02/20								
226	A&A works at South of L10 MSB	60 days	30/08/19	28/10/19								
227	Erection of link bridge structural steel	7 days	29/10/19	04/11/19								
228	Casting of bridge deck	7 days	05/11/19	11/11/19								
229	Metal roofing installation	21 days	12/11/19	02/12/19								
230	ABWF work	30 days	03/12/19	01/01/20								
231	Form new opening at MSB for final connection	10 days	02/01/20	11/01/20								
232	E&M Work	35 days	12/01/20	15/02/20								
233	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20	380 days	01/02/19	15/02/20								
234	Sheet pile installation & submit as-built	30 days	01/02/19	02/03/19								
235	Consent for excavation	30 days	03/03/19	01/04/19								
236	Excavation & plate load test	45 days	30/08/19	13/10/19								
237	Construction of foundation	45 days	14/10/19	27/11/19								
238	Backfill & Erection Pipe & cable rack	80 days	28/11/19	15/02/20								
239	Section E1 - (i) Link Bridge and Pipe and Cable Rack connecting L11 MSB to the western area of L11 MSB at Area E3	244 days	01/01/20	31/08/20								
240	Excavation & construction of new foundation	60 days	01/01/20	29/02/20								
241	Backfill	18 days	01/03/20	18/03/20								
242	Erection of Structural steel	45 days	19/03/20	02/05/20								
243	Ground Reinstatement	121 days	03/05/20	31/08/20								
244	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	244 days	01/01/20	31/08/20								
245	Removal of Surcharge and excavation	18 days	01/01/20	18/01/20								
246	Modification of Site Drainage	45 days	19/01/20	03/03/20								
247	Construction of new RC for GRS Equipment Room	90 days	19/01/20	17/04/20								
248	ABWF for GRS Equipment room	45 days	18/04/20	01/06/20								
249	E&M Installation	45 days	02/06/20	16/07/20								
250	Construction of new Gas pipe plinths & racks	45 days	19/04/20	02/06/20								
251	Backfill and construction site drainage	30 days	03/06/20	02/07/20								
252	Eternal Paving and install new fencing	60 days	03/07/20	31/08/20								
253	Section E1 - (iii) External Works at Area E15 (C)	226 days	19/01/20	31/08/20								
254	Removal of Surcharge and excavation	18 days	19/01/20	05/02/20								
255	Underground drianage, Utilities and RC plinths	75 days	04/03/20	17/05/20								
256	Backfill and install surface utilities	61 days	18/05/20	17/07/20								
257	Roadwork	45 days	18/07/20	31/08/20								
258	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	608 days	01/11/18	30/06/20								

01 Feb '19 Sec.D(v)

Contract No. 17/8002 Lamma Power Station Extension Civil and Building Works for Unit L11

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ID	Task Name	Duration	Start	Finish	November 2018		December 2018		January 2019		February 2019			
259	BD consent	0 days	01/11/18	01/11/18	BD consent									
260	Excavation & plate load test	180 days	01/11/18	29/04/19										
261	Construction of foundations & trenches	180 days	08/05/19	03/11/19										
262	Backfill & underground utilities	120 days	04/11/19	02/03/20										
263	Pipe & cable rack Erection	60 days	03/03/20	01/05/20										
264	Ground reinstatement	60 days	02/05/20	30/06/20										
265	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)	366 days	01/07/19	30/06/20										
266	Removal of surcharge / site clearance	21 days	01/07/19	21/07/19										
267	Excavation & construction of pipe trench	90 days	22/07/19	19/10/19										
268	Construction of gas pipe support foundation	90 days	20/10/19	17/01/20										
269	Construction of underground drainage and utilities	120 days	18/01/20	16/05/20										
270	Backfill & road work	45 days	17/05/20	30/06/20										
271	Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)	182 days	01/01/20	30/06/20										
272	Obtain Permit to work & Road close permit	2 days	01/01/20	02/01/20										
273	Excavation & construction new cable trench	180 days	03/01/20	30/06/20										
274	Re-excavate cable trench for cable laying	180 days	03/01/20	30/06/20										
275	Section F - 275kV Station Building Extension and associated works at Area E17	731 days	01/06/18	31/05/20	c.F									
276	Installation of ELS for 275kV Switching Station near Staircase ST-3 and ST-6	14 days	01/06/18	14/06/18										
277	Construction of Staircase ST-3	110 days	15/06/18	02/10/18										
278	OP inspection of Staircase ST-3	0 days	02/10/18	02/10/18										
279	Consent & BA10 for demolition of existing staircase	0 days	16/10/18	16/10/18	for demolition of existing staircase									
280	Demolition of existing staircase and submit BA14	14 days	17/10/18	30/10/18	Demolition of existing staircase and submit BA14									
281	Consent & BA10 for new foundation work	21 days	31/10/18	20/11/18	Consent & BA10 for new foundation work									
282	Pile Cap & Tie Beam construction incl. basement trench	60 days	21/11/18	19/01/19	Pile Cap & Tie Beam construction incl. baseme									
283	RC Construction up to 1/F	90 days	20/01/19	19/04/19										
284	Construction of staircase ST6	60 days	20/04/19	18/06/19										
285	Structural Steel Delivery & Erection	90 days	20/04/19	18/07/19										
286	Scaffolding erection	21 days	19/07/19	08/08/19										
287	Construction of 2/F RC slab	21 days	02/08/19	22/08/19										
288	Construction of R/F RC slab	21 days	23/08/19	12/09/19										
289	Construction of UR/F RC slab	14 days	13/09/19	26/09/19										
290	Construction of GIS Hall Floor	45 days	23/08/19	06/10/19										
291	Construction of staircase ST4	70 days	19/07/19	26/09/19										
292	Construction of staircase ST5 & Lift Shaft	90 days	02/08/19	30/10/19										
293	Concrete of RC walls, plinths, kerb and parapet walls	60 days	27/09/19	25/11/19										
294	ABFW Works from UB/F to 2/F equipment rooms	210 days	04/06/19	30/12/19										
295	Building Services E&M Access & Installation	210 days	04/07/19	29/01/20										
296	Metal Cladding, Windows and Louvres incl. roof feature	100 days	09/08/19	16/11/19										
297	Removal of external scaffolding	30 days	17/11/19	16/12/19										
298	External Underground drainage and Utilities works	80 days	17/12/19	05/03/20										
299	Road & Paving reinstatement	45 days	06/03/20	19/04/20										
300	FSD inspection	21 days	20/04/20	10/05/20										
301	OP inspection	21 days	11/05/20	31/05/20										
302	Section G - A&A Works at No. 4 C.W. Intake at Area E12	152 days	01/01/20	31/05/20										
303	Permit to work	0 days	01/01/20	01/01/20										
304	Erection of temp. platform	30 days	01/01/20	30/01/20										
305	Demolition work	60 days	31/01/20	30/03/20										

ID	Task Name	Duration	Start	Finish	November 2018		December 2018		January 2019		February 2019	
306	Modify existing slab openings	45 days	31/03/20	14/05/20								
307	Removal of platform	18 days	14/05/20	31/05/20								
308	Section H - L11 Steel flue liner at No. 4 Chimney	214 days	15/11/18	16/06/19	15 Nov '18 ▼ Sec.H							
309	Complete erection of L10 Steel flue	0 days	15/11/18	15/11/18	◆ Complete erection of L10 Steel flue							
310	Modification of erection equipment	45 days	15/11/18	29/12/18	▨ Modification of erection equipment							
311	Erection temp. platform and demolition work	30 days	30/12/18	28/01/19	▨ Erection temp. platform and demolit							
312	Structural steel delivery & Erection	85 days	29/01/19	23/04/19								
313	Removal of temp. work	30 days	24/04/19	23/05/19								
314	Reinstate G/F louvre wall and access door	24 days	24/05/19	16/06/19								
315	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	273 days	17/07/20	16/04/21								
316	Obtain Permit to work & Road close permit	0 days	17/07/20	17/07/20								
317	Excavation & construction new cable trench	150 days	18/07/20	14/12/20								
318	Re-excavate cable trench for cable laying	150 days	18/11/20	16/04/21								
319	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	273 days	17/07/20	16/04/21								
320	Obtain Permit to work & Road close permit	0 days	17/07/20	17/07/20								
321	Re-excavate & new cable trench for cable laying	273 days	18/07/20	16/04/21								
322	Section J - (i) Demolition of Retractable Cover A&B & (ii) Construction of new LOT 3 & 4	426 days	01/03/20	30/04/21								
323	Obtain permit to work & Road close permit	0 days	01/03/20	01/03/20								
324	Erection of Hoarding	21 days	01/03/20	21/03/20								
325	Removal of existing cover & structural steel	30 days	22/03/20	20/04/20								
326	Demolish of existing bund wall and staircases	45 days	21/04/20	04/06/20								
327	Demolish of existing slab & foundation	60 days	05/06/20	03/08/20								
328	Consent for new work	30 days	04/08/20	02/09/20								
329	Construction of new bund wall and foundation	100 days	03/09/20	11/12/20								
330	Construction of new oil separator	80 days	23/09/20	11/12/20								
331	Construct underground drainage and surface channel	40 days	12/12/20	20/01/21								
332	Construction on-grade slab	60 days	21/01/21	21/03/21								
333	Removal of hoarding and ground reinstatement	40 days	22/03/21	30/04/21								
334	Section K1 - External works at Area 15 (E) and 15(F)	365 days	01/06/20	31/05/21								
335	Removal of surcharge	30 days	01/06/20	30/06/20								
336	Construct new drainage and utilities work	200 days	01/07/20	16/01/21								
337	Road & Paving	135 days	17/01/21	31/05/21								
338	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D7	365 days	01/06/20	31/05/21								
339	Demolition work	30 days	01/06/20	30/06/20								
340	Construct new drainage and utilities work	200 days	01/07/20	16/01/21								
341	Road & Paving	135 days	17/01/21	31/05/21								
342	Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	0 days	31/05/21	31/05/21								