

ID	Task Name	Duration	Start	Finish	Gantt Chart		
					June 2018	July 2018	August 2018
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	Remaining of MSBU10, HRSG, A&A at L9 & L8, Ext. & Demolish Site Toilet		
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	Section E - Middel Rd & South of L10. Expose & Construction New 275kV Trench at LMX		
12	Section F -Urea Storage & Handling Facilities	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			
16	Section H2 - GRS Improvement work at Area C10	441 days	01/09/17	15/11/18			
17	Section H3 - L10 Chimney Flue and A&A L9 & pipe rack formation	319 days	01/01/18	15/11/18			
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			
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			

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					June 2018	July 2018	August 2018
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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					June 2018	July 2018	August 2018
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			

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					June 2018	July 2018	August 2018
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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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		
					June 2018	July 2018	August 2018
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	Section Header		
277	Urea Handling & Storage Plant House, Electrical Room & Pipe Rack	488 days	01/05/17	31/08/18	Section Header		
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 Handng 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	Section Header		
294	C.W Culvert System (Area C9b)	273 days	01/01/18	30/09/18	Section Header		
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	Section Header		
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	Section Header		
309	GRS Support Foundation	179 days	21/05/18	15/11/18	Section Header		
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	Section Header		
314	GRS Area Improvement Works	441 days	01/09/17	15/11/18	Section Header		
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	Section Header		
320	No.4 Chimney Steel Flue	318 days	01/01/18	15/11/18	Section Header		
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		
					June 2018	July 2018	August 2018
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		
					June 2018	July 2018	August 2018
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			
373	Part III (400m in Length, 1.3m to 1.5m Deep) (Works in New Trench)	518 days	01/07/18	30/11/19			
374	Tentative Commencement Date Of Civil Works	0 days	01/07/18	01/07/18		◆	
375	Implementation of TTA	9 days	01/07/18	09/07/18		■	
376	Remove the Concrete Road Cover	90 days	10/07/18	07/10/18		■	
377	Cable Trench Excavation with shoring	260 days	31/07/18	16/04/19		■	
378	Construction of New Joint Bay	45 days	17/04/19	31/05/19		■	
379	Completion Date of Trench Excavation for Site Handover	0 days	31/05/19	31/05/19		◆	
380	Tentative Period for Backfilling and Road Reinstatement (excluding new slab but including SJ3)	91 days	01/09/19	30/11/19			
381	Part IV (Hand Dig Tunnel) + Defer portion	701 days	01/07/18	31/05/20			
382	Tentative Commencement Date Of Civil Works	0 days	01/07/18	01/07/18		◆	
383	Trial Pits / Trenches	30 days	01/07/18	30/07/18		■	
384	Existing Drainage Diversion, if any	20 days	31/07/18	19/08/18		■	
385	Formation of Temp. Cable Pit	90 days	20/08/18	17/11/18		■	
386	Hand Dig Tunel (15m)	150 days	18/11/18	16/04/19		■	
387	Excavtion for new RC Works	90 days	17/01/19	16/04/19		■	
388	Construction of new RC Works	45 days	17/04/19	31/05/19		■	
389	Backfill & reinstatement except new trench	30 days	01/06/19	30/06/19		■	
390	Completion Date of Trench for Site Handover	0 days	30/06/19	30/06/19		◆	
391	Deferred Works - Cable Diversion CPX1 and CPX2 (during DLP)	274 days	01/09/19	31/05/20			
392	Formation of Wall Opening between existing trench CPX1 and new Joint Bay	7 days	01/09/19	07/09/19		■	
393	Breaking up for Road Paving and Excavation down to Cable Tiles of Existing Trench CPX2	31 days	01/12/19	31/12/19		■	
394	Demolition of Existing Trench CPX1 and CPX2	30 days	01/04/20	30/04/20		■	
395	Final Reinstatement of the CPX1 and CPX2 Areas	31 days	01/05/20	31/05/20		■	
396	Deferred Works - Shunt Reactor Compound SR4 (during DLP)	153 days	01/07/19	30/11/19			
397	Trench Re-excavation and Cable Supports Installation for Shunt Reactor Compound SR4	62 days	01/07/19	31/08/19		■	
398	Backfilling and Road Re-instatement of Shunt Reactor SR4 and Associated Trench	30 days	01/11/19	30/11/19		■	

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

No.	Description	2018		
		Jun	Jul	Aug
	Erection Key Date			▼
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			

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

No.	Description	2018		
		Jun	Jul	Aug
	Erection Key Date			
			▼	
		Fit-up and Weldi		
A-11	Inlet Duct Structure / Include Pipe Rack (U9-U10 Connection)	Installation		
A-12	Inlet Duct	Fit up/Welding/N		
A-13	Exhaust Duct Structure	Chipping/Packer		
A-14	Exhaust Duct	G-Ass'y		
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	Scaff		
A-16	Insulation	Installation		
A-17	Painting	Outlet Duct		
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

No.	Description	2018		
		Jun	Jul	Aug
	Erection Key Date			▼
	Installation of Temporary piping, Support & Silencer Execution of Steam blowing out Dismantle of Temporary piping, Support & Silencer Execution of Steam boiling out			
B	GT/ST/GEN PORTION			
B-1	Turbine O/H Crane			
B-2	Condenser			
B-3	Install ST			

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

No.	Description	2018		
		Jun	Jul	Aug
	Erection Key Date			
			▼	
			2nd A	
			MSV&CI	
B-4	Install GEN	Alignment /		
		Accessories		
B-5	Install GT	Alignment / Grou		
		O/B		
		Install Fuel Gas S		
		Inlet I		
		Install Oil Tank / Pump		
		Acce:		

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

No.	Description	2018		
		Jun	Jul	Aug
	Erection Key Date			▼
				Fuel
B-6	Aux Equipment	▼	Piping	Install Intak
B-7	Insulation			
B-8	Painting		▼	
B-9	Switchgear/Hoist/Hoist for condenser	Install		

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

No.	Description	2018		
		Jun	Jul	Aug
	Erection Key Date			
			▼	
C	ERECTION & INSTRUMENTATION PORTION			
C-1	Transformer & Ancillaries (G Tx, U Tx, Ex Tx, SFC Tx)	◆	O/B	◆
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

No.	Description	2018		
		Jun	Jul	Aug
	Erection Key Date			
			▼	
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
1				
2	Bored Pile Construction	164 days	2017/11/29	2018/6/16
3				
4	Rig 1	116 days	2017/11/29	2018/4/20
5				
6	BP6	38 days	2017/11/29	2018/1/13
7	Excavation	13 days	2017/11/29	2017/12/14
8	RCD Drilling	14 days	2017/12/15	2018/1/2
9	Airlifting & koden test	2 days	2018/1/3	2018/1/5
10	Rebar cage installation	5 days	2018/1/6	2018/1/12
11	Concreting	1 day	2018/1/12	2018/1/13
12				
13	BP6	38 days	2018/1/15	2018/3/2
14	Excavation	15 days	2018/1/15	2018/1/31
15	RCD Drilling	12 days	2018/2/1	2018/2/15
16	Airlifting & koden test	2 days	2018/2/21	2018/2/23
17	Rebar cage installation	4 days	2018/2/24	2018/3/1
18	Concreting	1 day	2018/3/1	2018/3/2
19				
20	BP1	38 days	2018/3/3	2018/4/20
21	Excavation	15 days	2018/3/3	2018/3/21
22	RCD Drilling	13 days	2018/3/22	2018/4/10
23	Airlifting & koden test	2 days	2018/4/11	2018/4/13
24	Rebar cage installation	4 days	2018/4/14	2018/4/19
25	Concreting	1 day	2018/4/19	2018/4/20
26				
27				
28				
29	Rig 2	116 days	2017/12/11	2018/5/3
30				
31	BP2	39 days	2017/12/11	2018/1/25
32	Excavation	14 days	2017/12/11	2017/12/27
33	RCD Drilling	13 days	2017/12/28	2018/1/13
34	Airlifting & koden test	2 days	2018/1/15	2018/1/17
35	Rebar cage installation	5 days	2018/1/19	2018/1/24
36	Concreting	1 day	2018/1/25	2018/1/25
37				
38	BP3	38 days	2018/1/27	2018/3/15
39	Excavation	14 days	2018/1/27	2018/2/12
40	RCD Drilling	14 days	2018/2/13	2018/3/5
41	Airlifting & koden test	2 days	2018/3/6	2018/3/8
42	Rebar cage installation	4 days	2018/3/9	2018/3/14
43	Concreting	1 day	2018/3/14	2018/3/15
44				
45	BP4	37 days	2018/3/16	2018/5/3
46	Excavation	15 days	2018/3/16	2018/4/6
47	RCD Drilling	12 days	2018/4/7	2018/4/21
48	Airlifting & koden test	2 days	2018/4/23	2018/4/25
49	Rebar cage installation	4 days	2018/4/26	2018/5/2
50	Concreting	1 day	2018/5/2	2018/5/3
51				
52				
53	Interface Coring, Sonic Test & BD Full Coring	62 days	2018/4/16	2018/6/16
54				
55	No. 3 Control Building 6 piles	52 days	2018/4/16	2018/6/16
56				
57	Interface Coring & Sonic Test (Coring after at least 8 days of pile cast)	26 days	2018/4/16	2018/5/17
58				
59	BA 14 Submission	7 days	2018/5/10	2018/5/16
60				
61	BD Selection of Full Coring Piles (14 days after BA14 Submission)	14 days	2018/5/18	2018/6/4
62				
63	Concrete Full Coring (2 piles)	10 days	2018/6/5	2018/6/16

June-18
W23 W24