

ID	Task Name	Duration	Start	Finish	2018		
					October 2018	November 2018	December 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			
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 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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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 Area	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 Faade 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 Foundations	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 Rack 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	Submission & 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 Hoarding	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 Lift 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 and Shutter leaves	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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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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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	2018			
					October 2018		November 2018	December 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				
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 Handlng 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				

Contract No. 16/8002 Lamma Power Station Extension Civil and Building Unit L10

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29/03/18

ID	Task Name	Duration	Start	Finish	2018
					October 2018November 2018December 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 BetweenGL 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 form 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 to10-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	

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Critical Split

Task

Split

Milestone

◆

Summary

ID	Task Name	Duration	Start	Finish	2018
					<div>October 2018November 2018December 2018</div>
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	<div></div>
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	<div></div>
377	Cable Trench Excavation with shoring	260 days	31/07/18	16/04/19	<div></div>
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	<div></div>
386	Hand Dig Tunel (15m)	150 days	18/11/18	16/04/19	<div></div>
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

Appendix J

No.	Description	2018		
		Oct	Nov	Dec
	Erection Key Date			<div>Ⓔ</div> <div>P/R 1-Dec</div> <div>C W In</div>
A	HRSG PORTION			
A-01	Install Casing (Bottom/Side/Top) with Structure			<div>Bottom/Side/To</div>
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			(Hand Over to Pa
A-09	Inside Baffle Plate & Seismic Tie Adjust / Setting			
A-10	SCR System			Ammonia Unit / F

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Appendix J

No.	Description	2018		
		Oct	Nov	Dec
	Erection Key Date			<div>Ⓔ</div> <div>P/R 1-Dec</div> <div>C W In</div>
A-11	Inlet Duct Structure / Include Pipe Rack (U9-U10 Connection)			
A-12	Inlet Duct			
A-13	Exhaust Duct Structure			
A-14	Exhaust Duct			<div>Instal</div>
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			<div>Water Filling</div>
A-16	Insulation			<div>Fabric</div>
A-17	Painting			
A-18	Install Catalyst			
A-19	Steam Blowing out(other scope) & alkaline boiling out			

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Appendix J

No.	Description	2018		
		Oct	Nov	Dec
	Erection Key Date			(E) P/R 1-Dec C W In
	Installation of Temporary piping, Support & Silencer Exection of Steam blowing out Dismantle of Temporary piping, Support & Silencer Exection of Steam boiling out			
B	GT/ST/GEN PORTION			
B-1	Turbine O/H Crane			
B-2	Condenser	Set up&		Install Expe
B-3	Install ST			

SCHEDULE C. Contract No. 16/2209
Lamma Power Station Extension - Unit 10
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Appendix J

No.	Description	2018		
		Oct	Nov	Dec
	Erection Key Date			<div>Ⓔ</div> <div>P/R 1-Dec</div> <div>C W In</div>
				<div>Final Assy</div> <div>Lead Pipe</div>
B-4	Install GEN			<div>Seal Oil Pipe</div> <div>Gas Control Pipe</div>
B-5	Install GT			

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Appendix J

No.	Description	2018		
		Oct	Nov	Dec
	Erection Key Date			(E) P/R 1-Dec C W In
B-6	Aux Equipment			
B-7	Insulation			Preparation
B-8	Painting			Touch-up paint o
B-9	Switchgear/Hoist/Hoist for condenser	I		

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Commissioning of Power Block Facilities

Appendix J

No.	Description	2018		
		Oct	Nov	Dec
	Erection Key Date			<div>Ⓔ</div> <div>P/R 1-Dec</div> <div>C W In</div>
C	ELECTRICAL & INSTRUMENTATION PORTION			
C-1	Transformer & Ancillaries (G Tx, U Tx, Ex Tx, SFC Tx)	●	●	
C-2	EQUIPMENT INSTALLATION			
	Generator & Ancillaries			
	Isolated Phase Busducts	●	●	
	Switchgear and Accessories			
	UPS, Batterys, Battery Charger System & DBs			
	Electrical Panels & Local Control Panels	●	●	●
	Control Systems, Control Panels, Local Instrument Cubicle & Rack	●	●	
	Channel Base Installation			
C-3	CABLING SYSTEM INSTALLATION			
	Cable Ladder / Tray Installation	●	●	●
	Conduit Pipe Installation	●	●	●
	Earthing Installation	●	●	●
	Cable Laying & Termination	●	●	●
	Fire Resistant Sealing			
	Cable Trench Opening & Transportation	●	●	●

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Lamma Power Station Extension - Unit 10
Complete Erection, Inspection, Testing &
Commissioning of Power Block Facilities







Appendix J

No.	Description	2018		
		Oct	Nov	Dec
	Erection Key Date			(E) P/R 1-Dec C W In
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	2018	Oct '18	Nov '18	Dec '18
1	<u>Unit 11 Building and Civil Works</u>	<u>1218 days</u>	<u>01/06/18</u>	<u>30/09/21</u>				
2	<u>Contract Key Dates</u>	<u>1096 days</u>	<u>01/06/18</u>	<u>31/05/21</u>				
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	◆Section A1 - Ground treatment installation works at Zone 1A			
5	Section A2 - Ground treatment installation works at Zone 1B	0 days	31/10/18	31/10/18	◆Section A2 - Ground treatment installation works at Zone 1B			
6	Section A3 - Ground treatment installation works at Zone 2	0 days	04/02/19	04/02/19				
7	Section A4 - Ground treatment installation works at Zone 3	0 days	11/03/19	11/03/19				
8	Section A5 (i) - Ground treatment installation works at Zone 4 - Band drain installation	0 days	10/04/19	10/04/19				
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	31/05/20	31/05/20				
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				

ID	Task Name	Duration	Start	Finish	2018			
						Oct '18	Nov '18	Dec '18
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				
32	Section F - 275kV Station Building Extension and associated works at Area E17	0 days	15/05/20	15/05/20				
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	31/03/21	31/03/21				
36	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	0 days	31/03/21	31/03/21				
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	<u>Deferred Works in Respective Sections</u>	<u>640 days</u>	<u>31/12/19</u>	<u>30/09/21</u>				
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 1/F.	184 days	01/05/20	31/10/20				

ID	Task Name	Duration	Start	Finish	2018	Oct '18	Nov '18	Dec '18
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 euipment foundatons	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	01/06/21	30/09/21				
53	<u>General & Preliminary</u>	<u>194 days</u>	<u>01/06/18</u>	<u>11/12/18</u>	<div>11 Dec '18</div>			
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			
57	Existing Utilities scanning & Excavation Permit	45 days	28/10/18	11/12/18	Existing Utilities scanning & Ex			
58	<u>Submission and Approval</u>	<u>554 days</u>	<u>01/06/18</u>	<u>06/12/19</u>				
59	Method Statement / Temp Work Submission & Approval from HEC for General Works	240 days	01/06/18	26/01/19				
60	BD Approval & Consent (If required)	120 days	01/06/18	28/09/18	D Approval & Consent (If required)			
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 &			
63	Structure Steelwork Shop Drawing & Approval	60 days	13/10/18	11/12/18	Structure Steelwork Shop Draw			
64	Metal Cladding, louvre & windows submission & BD Approval	60 days	28/11/18	26/01/19				
65	Metal Cladding, louvre & windows shop drawing submission	60 days	12/12/18	09/02/19				
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				
68	No. 4 C.W. Outfall A&A BD approval & consent	120 days	30/08/18	27/12/18	No. 4			
69	Sumission & Approval of Steel Flue Assessment Report and Design Drawings	60 days	30/09/18	28/11/18	Sumission & Approval of Steel Flue Assessment Rep			
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			
71	Material Fabrication & Delivery for L11 Flue	100 days	15/10/18	22/01/19				
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				

ID	Task Name	Duration	Start	Finish	2018
					Oct '18
					Nov '18
					Dec '18
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	<u>Coordination with the Employer's Specialist Contractors</u>	<u>657 days</u>	<u>14/01/19</u>	<u>31/10/20</u>	
78	Installation of Puddle Pipes at C.W. outlet Culvert	7 days	14/01/19	20/01/19	
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	<u>Section A1 & A2 - Ground treatment at Zone 1A & 1B</u>	<u>92 days</u>	<u>01/08/18</u>	<u>31/10/18</u>	
89	Plant establishment for earthworks	7 days	01/08/18	07/08/18	
90	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	45 days	08/08/18	21/09/18	
91	Delivery of band drain	5 days	23/08/18	27/08/18	
92	Plant establishment for band drain (1st rig)	7 days	28/08/18	03/09/18	
93	Vert. Band drain installation (472 nos. x 44m)	50 days	04/09/18	23/10/18	 Vert. Band drain installation (472 nos. x 44m)
94	Deposition of surcharge up to +8.3mPD	50 days	12/09/18	31/10/18	 Deposition of surcharge up to +8.3mPD
95	<u>Section A3 - Ground treatment installation works at Zone 2</u>	<u>157 days</u>	<u>01/09/18</u>	<u>04/02/19</u>	  Backfilling and compaction from existing ground +4.5mPD to +5.5mPD  Delivery of band drain  Plant establishment for band drain (2nd rig)  
96	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	30 days	01/09/18	30/09/18	
97	Delivery of band drain	5 days	26/09/18	30/09/18	
98	Plant establishment for band drain (2nd rig)	10 days	08/10/18	17/10/18	
99	Vert. Band drain installation (4047 nos. x 44m)	85 days	18/10/18	10/01/19	
100	Deposition of surcharge up to +8.3mPD	85 days	12/11/18	04/02/19	

ID	Task Name	Duration	Start	Finish	2018	Oct '18	Nov '18	Dec '18
101	<u>Section A4 - Ground treatment installation works at Zone 3</u>	<u>162 days</u>	<u>01/10/18</u>	<u>11/03/19</u>	▼Sec.A4			
102	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	21 days	01/10/18	21/10/18	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD			
103	Vert. Band drain installation (2007 nos. x 44m)	45 days	11/01/19	24/02/19				
104	Deposition of surcharge up to +8.3mPD	50 days	21/01/19	11/03/19				
105	<u>Section A5 (i) - Ground treatment installation works at Zone 4</u>	<u>131 days</u>	<u>01/12/18</u>	<u>10/04/19</u>	01 Dec '18 ▼Sec.A5(i)			
106	Site Preparation for Vertical Band Drain	30 days	01/12/18	30/12/18				
107	Band drain installation (2077 nos. x 44m)	45 days	25/02/19	10/04/19				
108	<u>Section A5 (ii) - Surcharge works at Zone 4</u>	<u>30 days</u>	<u>01/09/19</u>	<u>30/09/19</u>				
109	Deposition of surcharge up to +8.3mPD	30 days	01/09/19	30/09/19				
110	<u>Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18</u>	<u>426 days</u>	<u>01/04/19</u>	<u>31/05/20</u>				
111	Mobilization after obtain approval & consent	0 days	01/04/19	01/04/19				
112	Manhole extension at Outfall no. 4	180 days	02/04/19	28/09/19				
113	Construction of jacking pit	150 days	02/04/19	29/08/19				
114	Sheet pile for future extension	30 days	01/06/19	30/06/19				
115	Pipe Jacking set up & ground strengthening	60 days	30/08/19	28/10/19				
116	Allow modify existing outall manhole for pipe jacking receiving	90 days	29/09/19	27/12/19				
117	Pipe Jacking x 3 nos.	135 days	29/10/19	11/03/20				
118	Culvert Pipe Intallation & water test	120 days	13/12/19	10/04/20				
119	Thrust Box Construction	21 days	11/04/20	01/05/20				
120	Reinstatement	30 days	02/05/20	31/05/20				
121	<u>Section A6 (ii) - External works at Area E15</u>	<u>427 days</u>	<u>01/04/19</u>	<u>31/05/20</u>				
122	Underground Utilities	180 days	01/04/19	27/09/19				
123	RoadWorks	150 days	28/09/19	24/02/20				
124	Surface Utilities	120 days	02/02/20	31/05/20				
125	<u>Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2</u>	<u>426 days</u>	<u>01/11/18</u>	<u>31/12/19</u>	01 Nov '18 ▼Sec.B1(i)			
126	Excavation for CW Inlet Culvert (work parallel & after MSB ELS phase 1)	100 days	01/11/18	08/02/19				
127	Installation CW Inlet Culvert pipe (South of L11)	100 days	09/02/19	19/05/19				
128	Construction of Thrust Box & Manholes,etc	30 days	20/05/19	18/06/19				
129	Backfill	31 days	19/06/19	19/07/19				
130	Install underground utilities	100 days	20/07/19	27/10/19				
131	Backfill and construction temporary paving	65 days	28/10/19	31/12/19				
132	<u>Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB including the associated roof structure except the roof deferred works</u>	<u>77 days</u>	<u>17/09/19</u>	<u>04/12/19</u>				
133	Erection of turbine hall roof except defer work	0 days	17/09/19	17/09/19				

ID	Task Name	Duration	Start	Finish	2018
					Oct '18Nov '18Dec '18
134	Installation of crane griders	21 days	18/09/19	08/10/19	<div>01 Nov '18</div> <div>▼ Sec.B1(ii)</div>
135	Turbine hall wall claddings	0 days	04/12/19	04/12/19	
136	<u>Section B1 (iii) - FSRU Civil works at Area E13</u>	<u>426 days</u>	<u>01/11/18</u>	<u>31/12/19</u>	
137	Submission and approval for consent to work	75 days	01/11/18	14/01/19	
138	Construction of foundations and trenches	180 days	15/01/19	13/07/19	
139	Erection of steel rack	61 days	14/07/19	12/09/19	
140	Ground reinstatement	110 days	13/09/19	31/12/19	
141	<u>Section B2 - Retractable Cover D at Area E22</u>	<u>365 days</u>	<u>01/01/19</u>	<u>31/12/19</u>	
142	Demolition and clearance work	60 days	01/01/19	01/03/19	
143	Foundation construction	75 days	02/03/19	15/05/19	
144	Backfill & Ground statement	20 days	16/05/19	04/06/19	
145	Superstructure fabrication & delivery	110 days	25/04/19	12/08/19	
146	Superstructure erection	90 days	13/08/19	10/11/19	
147	E&M Installation and T&C	51 days	11/11/19	31/12/19	
148	<u>Section B3 - External works at Area B1, D2 and D4</u>	<u>365 days</u>	<u>01/01/19</u>	<u>31/12/19</u>	
149	Receive Area from HKE	0 days	01/01/19	01/01/19	<div>01 Jan '19</div>
150	Removal of existing paving for band drain under Section A5(i)	30 days	01/01/19	30/01/19	
151	Complete Vert. Band drain under Section A5(i)	0 days	10/04/19	10/04/19	
152	Ground preparation for B1, D2 & D4	265 days	11/04/19	31/12/19	
153	<u>Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)</u>	<u>96 days</u>	<u>10/04/20</u>	<u>15/07/20</u>	
154	Construction CW Outlet pipe (Future) (refer to Section A6(i)	0 days	10/04/20	10/04/20	
155	Construction of Thrust Box & Manholes,etc	0 days	01/05/20	01/05/20	
156	Backfill and construct underground utilities	45 days	17/04/20	31/05/20	
157	Backfill and construction temporary paving	45 days	01/06/20	15/07/20	
158	<u>Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area E7 except the deferred works for Lube Oil Storage Tank</u>	<u>335 days</u>	<u>03/03/19</u>	<u>31/01/20</u>	
159	Excavation & Pile Caps & Tie Beams (HRSG South Area)	45 days	03/03/19	16/04/19	<div>01 Jan '19</div>
160	Construction RC foundations	30 days	17/04/19	16/05/19	
161	Construction RC plinths & internal drainage	80 days	17/05/19	04/08/19	
162	Backfill & Construction on-grade slabs	30 days	05/08/19	03/09/19	
163	Construction underground utilities	110 days	18/09/19	05/01/20	
164	Backfill and Temporary paving	26 days	06/01/20	31/01/20	

ID	Task Name	Duration	Start	Finish	2018
					Oct '18
					Nov '18
					Dec '18
165	<u>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</u>	<u>457 days</u>	<u>01/11/18</u>	<u>31/01/20</u>	01 Nov '18 ▼Sec.C2(ii)
166	Excavation & Pile Caps & Tie Beams (MSBL11)	60 days	01/11/18	30/12/18	
167	Excavation & Construction Blow Down Sum pit (Type B)	45 days	31/12/18	13/02/19	
168	Backfill and construction turbine block foundation	21 days	24/02/19	16/03/19	
169	Construction of internal drainage	18 days	19/05/19	05/06/19	
170	Construction turbine block columns and upper portion for plant embed installation	21 days	18/10/19	07/11/19	
171	Concrete Turbine upper part foundation & clear falsework	40 days	23/12/19	31/01/20	
172	Construction RC walls incl. G/F rooms	30 days	18/09/19	17/10/19	
173	<u>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</u>	<u>457 days</u>	<u>01/11/18</u>	<u>31/01/20</u>	01 Nov '18 ▼Sec.C2(iii)
174	Excavation to foundation level at ELS Type A	60 days	01/11/18	30/12/18	
175	Construction of CW Outlet Box	35 days	31/12/18	03/02/19	
176	Construction of pile caps & tie beams & hot well sump pit	55 days	31/12/18	23/02/19	
177	Construction of pile caps & tie beams from +2.5mPD	45 days	24/02/19	09/04/19	
178	Backfill & Construction of CW Inlet Box	21 days	10/04/19	30/04/19	
179	Backfill and Construction ground beams & trenches	18 days	01/05/19	18/05/19	
180	Construction of indoor underground drainage	18 days	19/05/19	05/06/19	
181	Backfill & construction on-grade slabs	14 days	06/06/19	19/06/19	
182	Construction Column casting and RC walls	45 days	18/09/19	01/11/19	
183	Metal Cladding & Louvres	90 days	03/11/19	31/01/20	
184	<u>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</u>	<u>472 days</u>	<u>01/11/18</u>	<u>15/02/20</u>	01 Nov '18 ▼Sec.D(i)
185	Construction of L11 CW Outlet Pipe to MSB Outlet Box	120 days	01/11/18	28/02/19	
186	Construction Thrust Box & Backfill	21 days	01/03/19	21/03/19	
187	Construction of pile caps & tie beams at Transformer Area	24 days	22/03/19	14/04/19	
188	Construction of pile caps & tie beams at SunShadeCover Area	30 days	15/04/19	14/05/19	
189	Construction of plant drainage, trenches & RC plinths	45 days	15/05/19	28/06/19	
190	Undeground utilities & backfill	100 days	18/09/19	26/12/19	
191	Construction on-grade slabs	30 days	27/12/19	25/01/20	
192	Backfill and pavings	21 days	26/01/20	15/02/20	
193	<u>Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding in Area E6</u>	<u>372 days</u>	<u>09/02/19</u>	<u>15/02/20</u>	

ID	Task Name	Duration	Start	Finish	2018		
					Oct '18	Nov '18	Dec '18
194	Excavation & Pile Caps & Tie Beams (HRSg north Area)	22 days	09/02/19	02/03/19			
195	Construction RC foundations	60 days	03/03/19	01/05/19			
196	Construction RC plints & HRSg Lift Pit & internal drainage	90 days	02/05/19	30/07/19			
197	Backfill Construction on-grade slabs	30 days	31/07/19	29/08/19			
198	Construction underground utilities	140 days	30/08/19	16/01/20			
199	Backfill and Temporary paving	30 days	17/01/20	15/02/20			
200	<u>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</u>	<u>241 days</u>	<u>20/06/19</u>	<u>15/02/20</u>			
201	Structural Delivery & Erection (Equipment floor portion)	60 days	20/06/19	18/08/19			
202	Structural Delivery & Erection (Air filter inlet & Turbine Hall Portion)	30 days	19/08/19	17/09/19			
203	Structural Delivery & Erection (Pipe & Cable rack at south of L11)	21 days	18/09/19	08/10/19			
204	Fendolite Application	130 days	19/08/19	26/12/19			
205	External Scaffolding Erection	45 days	19/08/19	02/10/19			
206	Construction 1/F RC Slab	14 days	19/08/19	01/09/19			
207	Construction M/F RC Slab	7 days	02/09/19	08/09/19			
208	Construction 2/F RC Slab	14 days	09/09/19	22/09/19			
209	Construction 3/F RC Slab	14 days	23/09/19	06/10/19			
210	Construction 4/F RC Slab	14 days	07/10/19	20/10/19			
211	Construction 5/F RC Slab	14 days	21/10/19	03/11/19			
212	Construction Roof RC Slab (except defer portion)	30 days	04/11/19	03/12/19			
213	Construction Upper Roof RC Slab	14 days	04/11/19	17/11/19			
214	Construction Defer Roof RC Slab (G.L. G-H)	14 days	18/12/19	31/12/19			
215	Construction of Staircase ST-01 & lift shaft & machine room	90 days	18/09/19	16/12/19			
216	Construction of Staircase ST-02 except defer work	75 days	02/09/19	15/11/19			
217	Construction of RC plinth, kerbs & parapet Walls	24 days	04/11/19	27/11/19			
218	Erection of Skylight & Roof Features	55 days	18/11/19	11/01/20			
219	Waterproofing	30 days	12/01/20	10/02/20			
220	ABFW Works from 1/F to 5/F equipment rooms	135 days	09/09/19	21/01/20			
221	Building Services E&M Access & Installation	120 days	09/10/19	05/02/20			
222	Metal Cladding, Windows and Louvres incl. roof feature	120 days	09/09/19	06/01/20			
223	Removal of external scaffolding	35 days	12/01/20	15/02/20			
224	<u>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</u>	<u>170 days</u>	<u>30/08/19</u>	<u>15/02/20</u>			

ID	Task Name	Duration	Start	Finish	2018			
					Oct '18		Nov '18	Dec '18
225	A&A works at South of L10 MSB	60 days	30/08/19	28/10/19				
226	Erection of link bridge structural steel	7 days	29/10/19	04/11/19				
227	Casting of bridge deck	7 days	05/11/19	11/11/19				
228	Metal roofing installation	21 days	12/11/19	02/12/19				
229	ABWF work	30 days	03/12/19	01/01/20				
230	Form new opening at MSB for final connection	10 days	02/01/20	11/01/20				
231	E&M Work	35 days	12/01/20	15/02/20				
232	<u>Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20</u>	<u>380 days</u>	<u>01/02/19</u>	<u>15/02/20</u>				
233	Sheet pile installation & submit as-built	30 days	01/02/19	02/03/19				
234	Consent for excavation	30 days	03/03/19	01/04/19				
235	Excavation & plate load test	45 days	30/08/19	13/10/19				
236	Construction of foundation	45 days	14/10/19	27/11/19				
237	Backfill & Erection Pipe & cable rack	80 days	28/11/19	15/02/20				
238	<u>Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to the western area of L11 MSB at Area E3</u>	<u>244 days</u>	<u>01/01/20</u>	<u>31/08/20</u>				
239	Excavation & construction of new foundation	60 days	01/01/20	29/02/20				
240	Backfill	18 days	01/03/20	18/03/20				
241	Erection of Structural steel	45 days	19/03/20	02/05/20				
242	Ground Reinstatement	121 days	03/05/20	31/08/20				
243	<u>Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16</u>	<u>244 days</u>	<u>01/01/20</u>	<u>31/08/20</u>				
244	Removal of Surcharge and excavation	18 days	01/01/20	18/01/20				
245	Modification of Site Drainage	45 days	19/01/20	03/03/20				
246	Construction of new RC for GRS Equipment Room	90 days	19/01/20	17/04/20				
247	ABWF for GRS Equipment room	45 days	18/04/20	01/06/20				
248	E&M Installation	45 days	02/06/20	16/07/20				
249	Construction of new Gas pipe plinths & racks	45 days	19/04/20	02/06/20				
250	Backfill and construction site drainage	30 days	03/06/20	02/07/20				
251	Eternal Paving and install new fencing	60 days	03/07/20	31/08/20				
252	<u>Section E1 - (iii) External Works at Area E15 (C)</u>	<u>226 days</u>	<u>19/01/20</u>	<u>31/08/20</u>				
253	Removal of Surcharge and excavation	18 days	19/01/20	05/02/20				
254	Underground drianage, Utilities and RC plinths	75 days	04/03/20	17/05/20				
255	Backfill and install surface utilities	61 days	18/05/20	17/07/20				
256	Roadwork	45 days	18/07/20	31/08/20				

ID	Task Name	Duration	Start	Finish	2018
					Oct '18
					01 Nov '18
					Nov '18
					Dec '18
257	<u>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</u>	<u>608 days</u>	<u>01/11/18</u>	<u>30/06/20</u>	<div>Sec.E2</div> <div>BD consent</div>
258	BD consent	0 days	01/11/18	01/11/18	
259	Excavation & plate load test	180 days	01/11/18	29/04/19	
260	Construction of foundations & trenches	180 days	08/05/19	03/11/19	
261	Backfill & underground utilities	120 days	04/11/19	02/03/20	
262	Pipe & cable rack Erection	60 days	03/03/20	01/05/20	
263	Ground reinstatement	60 days	02/05/20	30/06/20	
264	<u>Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)</u>	<u>366 days</u>	<u>01/07/19</u>	<u>30/06/20</u>	
265	Removal of surcharge / site clearance	21 days	01/07/19	21/07/19	
266	Excavation & construction of pipe trench	90 days	22/07/19	19/10/19	
267	Construction of gas pipe support foundation	90 days	20/10/19	17/01/20	<div>c.F</div> <div>f-3</div> <div>ST-3</div> <div>Consent & BA10 for demolition of existing staircase</div> <div>Demolition of exisiting staircase and submit BA14</div> <div>Consent & BA10 for new foundation work</div>
268	Construction of underground drainage and utilities	120 days	18/01/20	16/05/20	
269	Backfill & road work	45 days	17/05/20	30/06/20	
270	<u>Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)</u>	<u>182 days</u>	<u>01/01/20</u>	<u>30/06/20</u>	
271	Obtain Permit to work & Road close permit	2 days	01/01/20	02/01/20	
272	Excavation & construction new cable trench	180 days	03/01/20	30/06/20	
273	Re-excavate cable trench for cable laying	180 days	03/01/20	30/06/20	
274	<u>Section F - 275kV Station Building Extension and associated works at Area E17</u>	<u>715 days</u>	<u>01/06/18</u>	<u>15/05/20</u>	
275	Installation of ELS for 275kV Switching Station near Staircase ST-3 and ST-6	14 days	01/06/18	14/06/18	
276	Construction of Staircase ST-3	90 days	15/06/18	12/09/18	
277	OP inspection of Staircase ST-3	0 days	12/09/18	12/09/18	<div>Consent & BA10 for new foundation work</div>
278	Consent & BA10 for demolition of existing staircase	0 days	10/10/18	10/10/18	
279	Demolition of exisiting staircase and submit BA14	18 days	11/10/18	28/10/18	
280	Consent & BA10 for new foundation work	21 days	25/10/18	14/11/18	
281	Pile Cap & Tie Beam construction incl. basement trench	60 days	15/11/18	13/01/19	
282	RC Construction up to 1/F	100 days	14/01/19	23/04/19	
283	Construction of staircase ST6	60 days	24/04/19	22/06/19	
284	Structural Steel Delivery & Erection	90 days	24/04/19	22/07/19	
285	Scaffolding erection	21 days	23/07/19	12/08/19	
286	Construction of 2/F RC slab	21 days	06/08/19	26/08/19	

ID	Task Name	Duration	Start	Finish	2018
					<div>Oct '18Nov '18Dec '18</div>
287	Construction of R/F RC slab	21 days	27/08/19	16/09/19	
288	Construction of UR/F RC slab	14 days	17/09/19	30/09/19	
289	Construction of GIS Hall Floor	45 days	27/08/19	10/10/19	
290	Construction of staircase ST4	70 days	23/07/19	30/09/19	
291	Construction of staircase ST5 & Lift Shaft	90 days	06/08/19	03/11/19	
292	Concrete of RC walls, plinths, kerb and parapet walls	60 days	01/10/19	29/11/19	
293	ABFW Works from UB/F to 2/F equipment rooms	210 days	08/06/19	03/01/20	
294	Building Services E&M Access & Installation	210 days	08/07/19	02/02/20	
295	Metal Cladding, Windows and Louvres incl. roof feature	100 days	13/08/19	20/11/19	
296	Removal of external scaffolding	21 days	21/11/19	11/12/19	
297	External Underground drainage and Utilities works	75 days	12/12/19	24/02/20	
298	Road & Paving reinstatement	45 days	25/02/20	09/04/20	
299	FSD inspection	18 days	10/04/20	27/04/20	
300	OP inspection	18 days	28/04/20	15/05/20	
301	<u>Section G - A&A Works at No. 4 C.W. Intake at Area E12</u>	<u>152 days</u>	<u>01/01/20</u>	<u>31/05/20</u>	
302	Permit to work	0 days	01/01/20	01/01/20	
303	Erection of temp. platform	30 days	01/01/20	30/01/20	
304	Demolition work	60 days	31/01/20	30/03/20	
305	Modify existing slab openings	45 days	31/03/20	14/05/20	
306	Removal of platform	18 days	14/05/20	31/05/20	
307	<u>Section H - L11 Steel flue liner at No. 4 Chimney</u>	<u>214 days</u>	<u>15/11/18</u>	<u>16/06/19</u>	<div>15 Nov '18 ▼ Sec.H</div> <div>◆ Complete erection of L10 Steel flue</div> <div><div></div><div>M</div></div>
308	Complete erection of L10 Steel flue	0 days	15/11/18	15/11/18	
309	Modification of erection equipment	45 days	15/11/18	29/12/18	
310	Erection temp. platform and demolition work	30 days	30/12/18	28/01/19	
311	Structural steel delivery & Erection	85 days	29/01/19	23/04/19	
312	Removal of temp. work	30 days	24/04/19	23/05/19	
313	Reinstate G/F louvre wall and access door	24 days	24/05/19	16/06/19	
314	<u>Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)</u>	<u>273 days</u>	<u>01/07/20</u>	<u>31/03/21</u>	
315	Obtain Permit to work & Road close permit	0 days	01/07/20	01/07/20	
316	Excavation & construction new cable trench	150 days	02/07/20	28/11/20	
317	Re-excavate cable trench for cable laying	150 days	02/11/20	31/03/21	
318	<u>Section I - (ii) Interconnector 2 Trench Modification Works at Area E10</u>	<u>273 days</u>	<u>01/07/20</u>	<u>31/03/21</u>	
319	Obtain Permit to work & Road close permit	0 days	01/07/20	01/07/20	

ID	Task Name	Duration	Start	Finish	2018
					Oct '18Nov '18Dec '18
320	Re-excavate & new cable trench for cable laying	273 days	02/07/20	31/03/21	
321	<u>Section J - (i) Demolition of Retractable Cover A&B & (ii) Construction of new LOT 3 & 4</u>	<u>426 days</u>	<u>01/03/20</u>	<u>30/04/21</u>	
322	Obtain permit to work & Road close permit	0 days	01/03/20	01/03/20	
323	Erection of Hoarding	21 days	01/03/20	21/03/20	
324	Removal of existing cover & structural steel	30 days	22/03/20	20/04/20	
325	Demolish of existing bund wall and staircases	45 days	21/04/20	04/06/20	
326	Demolish of existing slab & foundation	60 days	05/06/20	03/08/20	
327	Consent for new work	30 days	04/08/20	02/09/20	
328	Construction of new bund wall and foundation	100 days	03/09/20	11/12/20	
329	Construction of new oil separator	80 days	23/09/20	11/12/20	
330	Construct underground drainage and surface channel	40 days	12/12/20	20/01/21	
331	Construction on-grade slab	60 days	21/01/21	21/03/21	
332	Removal of hoarding and ground reinstatement	40 days	22/03/21	30/04/21	
333	<u>Section K1 - External works at Area 15 (E) and 15(F)</u>	<u>365 days</u>	<u>01/06/20</u>	<u>31/05/21</u>	
334	Removal of surcharge	30 days	01/06/20	30/06/20	
335	Construct new drainage and utilities work	200 days	01/07/20	16/01/21	
336	Road & Paving	135 days	17/01/21	31/05/21	
337	<u>Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D7</u>	<u>365 days</u>	<u>01/06/20</u>	<u>31/05/21</u>	
338	Demolition work	30 days	01/06/20	30/06/20	
339	Construct new drainage and utilities work	200 days	01/07/20	16/01/21	
340	Road & Paving	135 days	17/01/21	31/05/21	
341	<u>Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection</u>	<u>0 days</u>	<u>31/05/21</u>	<u>31/05/21</u>	