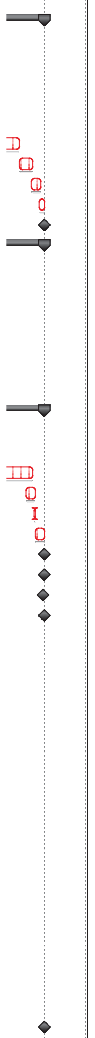


Master Programme Revision 1

ID	Item	Task Name	Duration	Start	Finish
105	2.5.2.5.1	Predrilling works (10 nos.)	21 days	2016/11/1	2016/11/21
106	2.5.2.6	Bored Pile	181 days	2016/11/1	2017/4/30
107	2.5.2.6.1	Installation of monitoring checkpoints	7 days	2016/11/1	2016/11/7
108	2.5.2.6.2	Bored pile construction (10 piles)	125 days	2016/11/10	2017/3/14
109	2.5.2.6.3	Interface & sonic test	20 days	2017/3/9	2017/3/28
110	2.5.2.6.4	Prepare & submit as-built record plan	7 days	2017/3/22	2017/3/28
111	2.5.2.6.5	Submission of BA14	1 day	2017/3/28	2017/3/28
112	2.5.2.6.6	Allow 14 days for selection of pile for concrete full core test	14 days	2017/3/29	2017/4/11
113	2.5.2.6.7	Concrete full core test	10 days	2017/4/12	2017/4/21
114	2.5.2.6.8	Compression test for concrete core	7 days	2017/4/21	2017/4/27
115	2.5.2.6.9	Submission of log report & compression test report	4 days	2017/4/27	2017/4/30
116	2.5.2.7	Completion of foundation works at 275kV substation building	0 days	2017/4/30	2017/4/30
117	2.5.3	Trial Pile	212 days	2016/10/1	2017/4/30
118	2.5.3.1	Early start milestone	0 days	2016/10/1	2016/10/1
119	2.5.3.2	Submission of BA10 for trial pile	7 days	2016/11/1	2016/11/7
120	2.5.3.3	Predrilling	28 days	2016/11/8	2016/12/5
121	2.5.3.3.1	Predrilling works (3 nos.)	28 days	2016/11/8	2016/12/5
122	2.5.3.4	Ground Instrumentation	24 days	2016/11/22	2016/12/15
123	2.5.3.4.1	Installation of magnetic extensometer in predrilled hole (3 nos.)	16 days	2016/11/22	2016/12/7
124	2.5.3.4.2	Installation of settlement plate	10 days	2016/12/6	2016/12/15
125	2.5.3.5	Construction of Trial Pile	136 days	2016/12/16	2017/4/30
126	2.5.3.5.1	Installation of trial pile (6 piles)	84 days	2016/12/16	2017/3/9
127	2.5.3.5.2	Dynamic pile test	72 days	2016/12/29	2017/3/10
128	2.5.3.5.3	Static load test	42 days	2017/3/11	2017/4/21
129	2.5.3.5.4	Prepare & submit as-built record plan	7 days	2017/4/17	2017/4/23
130	2.5.3.5.5	Submission of BA14	1 day	2017/4/23	2017/4/23
131	2.5.3.5.6	Cut off the piles to level +3.0mPD	7 days	2017/4/24	2017/4/30
132	2.5.3.6	Completion of trial pile	0 days	2017/4/30	2017/4/30
133	2.5.4	Completion of section C	0 days	2017/4/30	2017/4/30
134	2.5.5	Demobilization of plants	0 days	2017/4/30	2017/4/30
135	2.6	Handover of site works area for Section C	0 days	2017/5/1	2017/5/1
136					
137	2.7	Section D	383 days	2016/1/15	2017/1/31
138	2.7.1	General Site Works	36 days	2016/3/1	2016/4/5
139	2.7.1.1	Cable duct & draw pit	21 days	2016/3/1	2016/3/21
140	2.7.1.2	Relocation of lamp pole (5 poles)	20 days	2016/3/17	2016/4/5
141	2.7.2	G.I. Works	99 days	2016/3/4	2016/6/10
142	2.7.2.1	Submission of BA10 for G.I. works	7 days	2016/3/4	2016/3/10
143	2.7.2.2	Carry out G.I. works (11 nos.)	85 days	2016/3/11	2016/6/3
144	2.7.2.3	Prepare & submit as-built record plan	7 days	2016/6/4	2016/6/10
145	2.7.2.4	Submission of BA14	1 day	2016/6/10	2016/6/10
146	2.7.3	Ground Treatment Time	276 days	2016/5/1	2017/1/31
147	2.7.3.1	9 months for monitoring settlement after completion of ground treatment	276 days	2016/5/1	2017/1/31
148	2.7.4	External Works	227 days	2016/1/15	2016/8/28
149	2.7.4.1	Repair & make good site office B & existing latrines	90 days	2016/3/1	2016/5/29
150	2.7.4.2	Removal of the employer's materials stored in E6 area as instructed by the Engineer	90 days	2016/1/15	2016/4/13
151	2.7.4.3	Installation of bund wall of sandbags	60 days	2016/5/1	2016/6/29
152	2.7.4.4	Construction of new type 3 road	60 days	2016/6/30	2016/8/28
153	2.7.5	Completion of section D	0 days	2017/1/31	2017/1/31
154					
155	2.8	Contract completion	0 days	2017/4/30	2017/4/30

M16 M17
4月 5月



ID	Task Name	Duration	Start	Finish					
					F	M	A	M	J
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	xt. GRS				
5	Section A2 - LPS Site Office Building	410 days	01/11/16	15/12/17					
6	Section B1 - Area C1&2 incl. all UG structures & Temp. Access for Empolyer's Specialist	426 days	01/11/16	31/12/17					
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	01/11/16	31/01/18					
9	Section D - Remaining of MSBU10, HRSG, A&A at L9 & L8, Ext. & Demolish Site Toilet	516 days	01/11/16	31/03/18					
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 LMX	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	01/03/18	30/06/18					
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	01/01/18	31/03/19					
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	02/05/17	30/06/19					
22	Deferred works during DLP	336 days	01/07/19	31/05/20					
23	General & Preliminary	461 days	01/11/16	04/02/18					
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	15/12/16	21/12/16					
29	Tower Crane Erection	7 days	01/01/17	07/01/17					
30	Removal of Tower Crane (Including Foundation)	18 days	18/01/18	04/02/18					
31	L10 MSB External Scaffolding erection	145 days	29/04/17	20/09/17					
32	L10 MSB External Scaffolding Removal	30 days	19/12/17	17/01/18					
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	15/11/16	14/12/16					
38	Structure Steelwork Shop Drawing & Approval	30 days	15/11/16	14/12/16					
39	Metal Cladding, louvre & windows submission & BD Approval	60 days	15/11/16	13/01/17					
40	Metal Cladding, louvre & windows shop drawing submission	45 days	29/11/16	12/01/17					
41	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	180 days	13/01/17	11/07/17					
42	CW Culvert (Inlet) ELS BD approval & consent	90 days	01/12/16	28/02/17					
43	Submission & Approval of Steel Flue Assessment Report and Design Drawings	210 days	01/12/16	28/06/17					
44	Submission and Approval of Steel Flue Design from BD	60 days	29/06/17	27/08/17					
45	Material Fabrication & Delivery for L10 Flue	150 days	28/08/17	24/01/18					
46	Folding Shutters Shop Drawing Submission & Approval	45 days	01/12/16	14/01/17					
47	Fabrication & Delivery of Foldering Shutters	180 days	15/01/17	13/07/17					
48	Sewage Pump System Design submission & Approval	60 days	15/01/17	15/03/17					
49	Fabrication & Delivery of Sewage Pump	150 days	16/03/17	12/08/17					
50	Other Material Submission & Approval & Deliverys	240 days	15/01/17	11/09/17					
51	Coordination with the Employer's Specialist Contractors	730 days	01/11/16	31/10/18					
52	Puddle Pipes at C.W. Inlet and Outlet Culvert	0 days	07/01/17	07/01/17					
53	Template setting in at L10 Turbo Block Foundation	45 days	01/10/17	14/11/17					
54	Template setting of holding down bolts at HRSG Column Base	45 days	01/10/17	14/11/17					
55	I-beam/ Channel Base Installation on top of Transformer Foundations at Transformer Area	32 days	27/12/17	27/01/18					
56	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	38 days	12/12/17	18/01/18					
57	Condenser Assembly and Erection using Access through a Temporary Opening at L10 MSE 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					

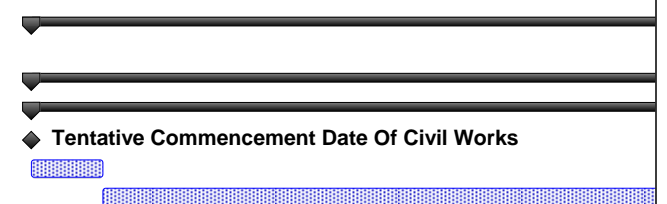
ID	Task Name	Duration	Start	Finish					
					F	M	A	M	J
58	Installation of Power Train Equipment including Air Inlet Duct using Access through a Temporary Façade Opening at L10 MSB below 1/F along GL 10-6 from GL 10-F to 10-H including a Clear Space below 1/F of the above Area	89 days	01/02/18	30/04/18					
59	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					
60	Installation of Embedded Materials such as Holding Down Bolts for Equipment Foundation	300 days	01/11/16	27/08/17					
61	Section A1 - Modify Plinth at Ext. GRS	61 days	01/11/16	31/12/16					
62	Existing Plinth Removal	18 days	01/11/16	18/11/16					
63	Wall Base & Plinth Construction	45 days	17/11/16	31/12/16					
64	Pipe Rack at Unit 9 North (VO under EI No. 6)	152 days	29/01/17	30/06/17					
65	Consent and BA10 Submissions	0 days	29/01/17	29/01/17					
66	Hoarding & Plant Load Test	18 days	30/01/17	16/02/17					
67	Footing Construction & Reinstatement	60 days	17/02/17	17/04/17					
68	Structural Steel Fabrication, Delivery & Erection	90 days	02/04/17	30/06/17					
69	Section A2 - LPS Site Office Building	410 days	01/11/16	15/12/17					
70	Submissions of Shop Drawings and Approval	90 days	01/11/16	29/01/17					
71	Submission & Approval of CSD & CBWD	60 days	15/01/17	15/03/17					
72	Complete site clearance by HKE	0 days	01/11/16	01/11/16					
73	Demolish of existing site office	21 days	01/11/16	21/11/16					
74	BA 10 Application	0 days	01/11/16	01/11/16					
75	Erection of Hording	7 days	01/11/16	07/11/16					
76	Plate Load Test	7 days	08/11/16	14/11/16					
77	Installation of Earthing Grid	18 days	15/11/16	02/12/16					
78	Construction of pad footing, bearing wall, columns up to G/F	45 days	03/12/16	16/01/17					
79	Waterproofing for Lift pit + Water test	14 days	03/01/17	16/01/17					
80	UG Drainage within Building	21 days	02/01/17	22/01/17					
81	Backfill & Blinding	14 days	13/01/17	26/01/17					
82	Chinese New Year	10 days	27/01/17	05/02/17					
83	Construct G/F on-grade slab & External Scaffold Erection	30 days	06/02/17	07/03/17					
84	RC Walls, Columns and Slab up to 1/F	45 days	20/02/17	05/04/17					
85	RC Walls, Columns and Slab up to R/F	45 days	06/04/17	20/05/17					
86	Parapet Wall, FS Water Tank, Top Roofs + RC curb, hatch door etc	45 days	21/05/17	04/07/17					
87	G/F Window, Louvre, Doors Frame & Shutter Frame	21 days	04/05/17	24/05/17					
88	G/F Finishing Works	45 days	18/05/17	01/07/17					
89	G/F Plumbing & Drainage Works	30 days	02/07/17	31/07/17					
90	G/F Sanitary Fitting and Cubicles	21 days	01/08/17	21/08/17					
91	G/F Other sundry metal, railing, etc	45 days	22/08/17	05/10/17					
92	G/F Placing Furnitures	10 days	04/12/17	13/12/17					
93	1/F Window, Louvre & Door Frames	30 days	18/06/17	17/07/17					
94	1/F Finishing Works	30 days	18/07/17	16/08/17					
95	1/F Plumbing, Sanitary Fittings & Drainage Works	14 days	17/08/17	30/08/17					
96	1/F Other sundry metal, railing, etc	21 days	31/08/17	20/09/17					
97	R+UR/F Waterproofing Installation + Testing	60 days	19/07/17	16/09/17					
98	R/F Finishing Works (incl. Water Tank & FS Pump Room)	30 days	02/09/17	01/10/17					
99	R/F Plumbing Works	14 days	02/10/17	15/10/17					
100	R/F Sundry Metal, Handrail & Glazed Railing	30 days	02/10/17	31/10/17					
101	Complete RC touch up and handover of lift shaft	7 days	26/07/17	01/08/17					
102	Installation of Door a& Shutter leaves	21 days	01/11/17	21/11/17					
103	Lift Installation + EMSD Inspection + Issue of Lift Cert	120 days	02/08/17	29/11/17					
104	Electrical Installation	90 days	17/08/17	14/11/17					
105	Fire Service Installation	90 days	17/08/17	14/11/17					
106	MVAC Installation	90 days	17/08/17	14/11/17					
107	Testing & Commissioning Works	24 days	15/11/17	08/12/17					
108	External Wall Finishing Works	45 days	02/10/17	15/11/17					
109	Removal of Scaffolding	14 days	16/11/17	29/11/17					
110	External UG P&D and Road Works	145 days	05/07/17	26/11/17					
111	WVO046 Completion	0 days	26/11/17	26/11/17					
112	FSD Inspection	0 days	08/12/17	08/12/17					
113	Submit BA 13 Inspection	14 days	30/11/17	13/12/17					
114	Expected OP Issue	0 days	15/12/17	15/12/17					
115	Section B1 - Area C1&2 incl. all UG structures & Temp. Access for Empolyer's Specialist	328 days	07/02/17	31/12/17					
116	C.W. Culvert System (Area C1 & C2) (~160m)	328 days	07/02/17	31/12/17					
117	Excavation to Formation Level (+1.1mPD)	30 days	07/02/17	08/03/17					
118	Construction of Binding & Plinth	21 days	09/03/17	29/03/17					
119	Pile Laying	30 days	30/03/17	28/04/17					
120	Thrust Box Construction	21 days	29/04/17	19/05/17					
121	Water Test	7 days	20/05/17	26/05/17					

ID	Task Name	Duration	Start	Finish	Weeks					
					F	M	A	M	J	
122	Backfill	30 days	27/05/17	25/06/17						
123	Return area to Sunley for L11 piling	124 days	30/06/17	31/10/17						
124	Cutting Sheet pile	14 days	01/11/17	14/11/17						
125	All underground Utilities	35 days	15/11/17	19/12/17						
126	Backfill & Reinstatement & Formation of Access	24 days	08/12/17	31/12/17						
127	Supporting Supporting Structure for Overhead Crane	200 days	26/05/17	11/12/17						
128	Section B2 - Surcharge relocation & associated top-up works	242 days	04/05/17	31/12/17						
129	Roadworks and External Works	242 days	04/05/17	31/12/17						
130	Surface Drainage Modification	120 days	04/05/17	31/08/17						
131	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						
132	Construction of Access Road	60 days	16/10/17	14/12/17						
133	Existing Band Drains Cut-down (2520 nos)	90 days	03/10/17	31/12/17						
134	Section C - Area C3, HRSG & MSBU10 for Empolyer's Specialist	457 days	01/11/16	31/01/18						
135	HRSG Area Equipment Rm & Fdn - South (Area C7)	299 days	08/04/17	31/01/18						
136	Excavation to Formation Level	18 days	08/04/17	25/04/17						
137	Sump Pit, Drain Pit (2no. 1.75m to 4.2m in Height)	45 days	26/04/17	09/06/17						
138	Pile Head Treatment (6no.)	14 days	10/06/17	23/06/17						
139	Pile Cap & Tie Beam - GL 10-H to 10H-H, 10-H3 to 10-6	60 days	19/06/17	17/08/17						
140	Plate Load Test	12 days	18/08/17	29/08/17						
141	Raft Foundation (7no.)	45 days	30/08/17	13/10/17						
142	All Underground Utilities	60 days	14/10/17	12/12/17						
143	Backfill & Reinstatement & Formation of Access Road	50 days	13/12/17	31/01/18						
144	HRSG Equipment Room	178 days	07/08/17	31/01/18						
145	Plate Load Test	10 days	07/08/17	16/08/17						
146	Underground Drainage	12 days	17/08/17	28/08/17						
147	HRSG Equipment RM Foundation	14 days	29/08/17	11/09/17						
148	Backfill	6 days	12/09/17	17/09/17						
149	Construct G/F	12 days	18/09/17	29/09/17						
150	Roof Construction	21 days	30/09/17	20/10/17						
151	Parapet Wall	12 days	21/10/17	01/11/17						
152	ABWF Works	30 days	18/11/17	17/12/17						
153	Building Service Installations	45 days	18/12/17	31/01/18						
154	Ready for BA 13 Application	0 days	31/01/18	31/01/18						
155	Main Station Building Fdn, G/F & 1/F	433 days	01/11/16	07/01/18						
156	Installation of Dewatering Well & King Post for Type A	14 days	01/11/16	14/11/16						
157	BD Consent for ELS MSBU10 Foundation	0 days	01/11/16	01/11/16						
158	Bulk Excavation to approx. +3.0mPD	21 days	15/11/16	05/12/16						
159	Substructure&G/F- GL SC1 to 10-D, 10-1 to 10-6	154 days	25/11/16	27/04/17						
160	Excavation to Formation Level (+1.325mPD)	14 days	25/11/16	08/12/16						
161	Cut-down Pile Head & treatment	45 days	29/11/16	12/01/17						
162	Pile Cap & Tie Beam Construction	100 days	03/12/16	12/03/17						
163	Construction of Transformer Bay Foundations	45 days	17/12/16	30/01/17						
164	Excavation, Waling & Struct (Type A & Type C)	30 days	09/12/16	07/01/17						
165	Drain Pit /Sump Pit Construction	21 days	08/01/17	28/01/17						
166	Arrival of CW Culvert piping materials incl. flexible joint & other cast in materials	0 days	07/01/17	07/01/17						
167	Construction of Culvert Outlet Box	30 days	08/01/17	06/02/17						
168	Construction of Culvert Inlet Box	30 days	07/02/17	08/03/17						
169	Construction of Tie Beam/ Ground Beam (Top of the Pipe) (GLSC1 to SC4 and SCa to SCb)	45 days	27/02/17	12/04/17						
170	Bearing Wall, Column Post and G/F Slab Construction	30 days	29/03/17	27/04/17						
171	Substructure & G/F- GL 10-D to 10-H, 10-1 to 10-6	395 days	09/12/16	07/01/18						
172	Excavation to Formation Level (+2.425mPD & 5.025mPD)	45 days	09/12/16	22/01/17						
173	Existing Sheet Pile Cut-down	7 days	12/12/16	18/12/16						
174	Complete excavation at Type B	14 days	19/12/16	01/01/17						
175	Blow Down Sump Construction	45 days	02/01/17	15/02/17						
176	Pile Head Treatment (18no.)	30 days	19/12/16	17/01/17						
177	Pile Cap & Tie Beam Construction	100 days	29/12/16	07/04/17						
178	Bearing Wall, Column Post and G/F Slab Construction	35 days	25/03/17	28/04/17						
179	Turbo Block Foundation	45 days	15/07/17	28/08/17						
180	Backfill of Turbo Block	14 days	14/08/17	27/08/17						
181	Turbo Block Superstructure	90 days	21/09/17	19/12/17						
182	Beam & Slabs at G/F Area	90 days	28/08/17	25/11/17						
183	Associated ABWF & BS Works for Specialist Access	60 days	09/11/17	07/01/18						
184	G/F & 1/F & Maintenance Floor	44 days	29/04/17	11/06/17						
185	Steel Column & Beam Erections (other than for roof truss)	14 days	29/04/17	12/05/17						

ID	Task Name	Duration	Start	Finish	Weeks					
					F	M	A	M	J	
186	Erection of Steel Column along GL10-2 and 10-6 and 10-C to 10-H (G/F to R/F) for roof truss	14 days	09/05/17	22/05/17						
187	R.C. Structure Construction	30 days	13/05/17	11/06/17						
188	Transformer Area	111 days	07/08/17	25/11/17						
189	Wall Construction	90 days	07/08/17	04/11/17						
190	Slab & Plinths Construction	21 days	05/11/17	25/11/17						
191	C.W. Culvert System (Area C3)	236 days	18/12/16	10/08/17						
192	Excavation to Formation Level	21 days	18/12/16	07/01/17						
193	Penstock Trial & Preparation for connection to existing outlet pipe	21 days	18/12/16	07/01/17						
194	Construction of Binding & Plinth	7 days	08/01/17	14/01/17						
195	CW Pipe Laying	14 days	15/01/17	28/01/17						
196	Thrust Box Construction	12 days	29/01/17	09/02/17						
197	Water Test	10 days	03/02/17	12/02/17						
198	Backfill	14 days	13/02/17	26/02/17						
199	All underground Utilities	45 days	27/02/17	12/04/17						
200	Backfill & Reinstatement & Formation of Access	120 days	13/04/17	10/08/17						
201	Section D - Remaining of MSBU10, HRSG, A&A at L9 & L8, CW Pump Equip. Rm No. 4 Ext. & Demolish Site Toilet	478 days	09/12/16	31/03/18						
202	C.W Culvert System (Area C5)	419 days	09/12/16	31/01/18						
203	Excavation to Formation Level (-2.8mPD) with ELS Installation	30 days	09/12/16	07/01/17						
204	Construction of Binding & Plinth	7 days	08/01/17	14/01/17						
205	Pipe Laying (2 Pipes)	14 days	15/01/17	28/01/17						
206	Construction of Thrust Box	21 days	29/01/17	18/02/17						
207	Water Test	7 days	20/02/17	26/02/17						
208	Backfill	14 days	27/02/17	12/03/17						
209	All underground Utilities	125 days	13/03/17	15/07/17						
210	Backfill & Reinstatement & Formation of Access	200 days	16/07/17	31/01/18						
211	HRSG Area Fdn - North (Area C6)	340 days	26/04/17	31/03/18						
212	Excavation to Formation Level	21 days	26/04/17	16/05/17						
213	Drain Pit Construction (5no.1.6m to 6m in Height)	45 days	17/05/17	30/06/17						
214	Pile Head Treatment (8no.)	16 days	15/06/17	30/06/17						
215	MSB Fdn North of HRSG Area GL 10-H to 10H-H, 10-1to 10H-3	150 days	22/06/17	18/11/17						
216	All underground Utilities	60 days	19/11/17	17/01/18						
217	Plate Load Test	10 days	18/01/18	27/01/18						
218	Raft Fdn (1no.)	18 days	28/01/18	14/02/18						
219	Backfill & Reinstatement & Formation of Access	45 days	15/02/18	31/03/18						
220	Main Station Building - Unit L10 Superstructure	337 days	29/04/17	31/03/18						
221	2/F	44 days	13/05/17	25/06/17						
222	Steel Beam Erection	14 days	13/05/17	26/05/17						
223	R.C. Structure Construction	14 days	12/06/17	25/06/17						
224	3/F	51 days	27/05/17	16/07/17						
225	Steel Beam Erection	14 days	27/05/17	09/06/17						
226	R.C. Structure Construction	21 days	26/06/17	16/07/17						
227	4/F	58 days	10/06/17	06/08/17						
228	Steel Beam Erection	14 days	10/06/17	23/06/17						
229	R.C. Structure Construction	21 days	17/07/17	06/08/17						
230	5/F & Roof except GL 10-G to 10-H and 10-2 to 10-6	81 days	23/05/17	11/08/17						
231	Steel Roof Truss Erection (GL 10-D & 10-E)	7 days	23/05/17	29/05/17						
232	Steel Roof Truss Erection (GL 10-F & 10-G)	7 days	30/05/17	05/06/17						
233	Steel Roof & Crane Rail Erection	21 days	25/05/17	14/06/17						
234	Slab Construction	30 days	15/06/17	14/07/17						
235	Upper Roof - Steel Roof Erection	30 days	08/07/17	06/08/17						
236	Upper roof RC construction	21 days	22/07/17	11/08/17						
237	Staircase Constructions	100 days	29/04/17	06/08/17						
238	Fendolite Installation to S. Steel Works	90 days	07/08/17	04/11/17						
239	External Metal Cladding Installation	120 days	21/08/17	18/12/17						
240	Internal ABWF Works	180 days	06/09/17	04/03/18						
241	BS Installation	180 days	03/10/17	31/03/18						
242	275kV Cable Trench (Area C5 & C6)	180 days	16/07/17	11/01/18						
243	275kV Cable Trench Excavation(C5 Area)	90 days	16/07/17	13/10/17						
244	275kV Cable Trench Excavation(C6 Area)	90 days	14/10/17	11/01/18						
245	MSB UnitL9 - A&A	140 days	12/06/17	29/10/17						
246	Hack-off Lean Concrete	70 days	12/06/17	21/08/17						
247	Pipe Rack Support Construction	70 days	21/08/17	29/10/17						
248	MSB UnitL8 - A&A	150 days	09/04/17	06/09/17						
249	A&A Works	150 days	09/04/17	06/09/17						
250	C.W. Pump Equipment Room	364 days	01/04/17	31/03/18						

ID	Task Name	Duration	Start	Finish					
					F	M	A	M	J
251	BA 10 Application	0 days	01/04/17	01/04/17			◆ BA 10 Application		
252	Excavation to + 4.05mPD	21 days	02/04/17	22/04/17			▨		
253	Plate Load Test	14 days	23/04/17	06/05/17			▨		
254	Raft Foundation Construction	18 days	07/05/17	24/05/17				▨	
255	Underground Drainage	21 days	25/05/17	14/06/17				▨	
256	Backfill	10 days	15/06/17	24/06/17					▨
257	Construct G/F	21 days	25/06/17	15/07/17					▨
258	Roof Construction	45 days	16/07/17	29/08/17					▨
259	Parapet Wall	18 days	30/08/17	16/09/17					▨
260	ABWF Works	75 days	17/09/17	30/11/17					▨
261	Building Service Installations	75 days	01/12/17	13/02/18					▨
262	Exenal Pipe Rack Extension & Reinstatement Works	90 days	31/12/17	30/03/18					▨
263	Ready for BA 13 Application	0 days	31/03/18	31/03/18					▨
264	Demolition Work - Temporary Site Toilet	60 days	08/07/17	06/09/17					▨
265	Demolition of Temp. Site Toilet	60 days	08/07/17	06/09/17					▨
266	Section E - Middel Rd & South of L10. Expose & Construction New 275kV Trench at LM	336 days	15/06/17	16/05/18					▨
267	275kV Cable Trench	240 days	16/07/17	12/03/18					▨
268	275kV Cable Trench Re-excavation (~172m)	240 days	16/07/17	12/03/18					▨
269	C.W. Culvert System (Area C9a & C15)	336 days	15/06/17	16/05/18					▨
270	Removal of existing paving block	12 days	15/06/17	26/06/17					▨
271	Install ELS & Excaavation, Phase 1	45 days	27/06/17	10/08/17					▨
272	Blinding & Construct Plinth	30 days	11/08/17	09/09/17					▨
273	Pipe Laying & Thrust Box	30 days	10/09/17	09/10/17					▨
274	Water Test and Backfill	12 days	10/10/17	21/10/17					▨
275	Underground UU and Reinstatement	45 days	22/10/17	05/12/17					▨
276	Install ELS & Excavation, Phase 2	45 days	06/12/17	19/01/18					▨
277	Blinding & Concrete Plinth	30 days	20/01/18	18/02/18					▨
278	Pipe Laying and Thrust Box	30 days	19/02/18	20/03/18					▨
279	Water Test & Backfill	12 days	21/03/18	01/04/18					▨
280	Underground UU and Reinstatement	45 days	02/04/18	16/05/18					▨
281	Section F -Urea Storage & Handling Facilities	488 days	01/05/17	31/08/18					▨
282	Urea Handling & Storage Plant House, Electrical Room & Pipe Rack	488 days	01/05/17	31/08/18					▨
283	BA 10 Application	10 days	01/05/17	10/05/17					▨
284	Excavation to Formation Level	14 days	11/05/17	24/05/17					▨
285	Plate Load Test	14 days	25/05/17	07/06/17					▨
286	Raft Foundation (Urea Handling Rm)	21 days	08/06/17	28/06/17					▨
287	Raft Foundation (Electrical Rm)	30 days	29/06/17	28/07/17					▨
288	Backfill	21 days	29/07/17	18/08/17					▨
289	Construct G/F	45 days	19/08/17	02/10/17					▨
290	Roof Construction	75 days	03/10/17	16/12/17					▨
291	Parapet Wall	21 days	17/12/17	06/01/18					▨
292	ABWF Works	120 days	07/01/18	06/05/18					▨
293	Building Service Installations	120 days	04/05/18	31/08/18					▨
294	Ready for BA 13 Application	0 days	31/08/18	31/08/18					▨
295	Plate Load Test	14 days	25/05/17	07/06/17					▨
296	Pipe Rack Foundation	28 days	08/06/17	05/07/17					▨
297	Supporting Tower (4 no.) (9.55m in Height)	60 days	06/07/17	03/09/17					▨
298	Pipe Rack Truss (3 no.)17.3m Span	60 days	04/09/17	02/11/17					▨
299	Section G - Demin. Plant Road & Modification at No. 4 CW Intake	273 days	01/01/18	30/09/18					▨
300	C.W Culvert System (Area C9b)	272 days	01/01/18	30/09/18					▨
301	Design, Approval & Consent	0 days	01/01/18	01/01/18					▨
302	Removal of paving block & ELS Installation	30 days	02/01/18	31/01/18					▨
303	Excavation to Formation Level with ELS Installation	45 days	01/02/18	17/03/18					▨
304	Construction of Blinding & Plinth	14 days	18/03/18	31/03/18					▨
305	Pipe Laying (2 pipes x ~45m)	30 days	01/04/18	30/04/18					▨
306	Construction of Thrust Box	14 days	01/05/18	14/05/18					▨
307	Water Test	8 days	15/05/18	22/05/18					▨
308	Backfill	21 days	23/05/18	12/06/18					▨
309	All underground Utilities	50 days	13/06/18	01/08/18					▨
310	Backfill & Reinstatement & Formation of Access	60 days	02/08/18	30/09/18					▨
311	Modification Works - No. 4 C.W. Intake & No.3 C.W. Outfall	181 days	01/01/18	30/06/18					▨
312	No. 3 C.W. Outfall Modification	90 days	01/01/18	01/04/18					▨
313	No. 4 C.W. Intake Modification	122 days	01/03/18	30/06/18					▨
314	Section H1 - Gas Support foundation & trench at Area C11	405 days	01/11/16	10/12/17					▨
315	GRS Support Foundation	405 days	01/11/16	10/12/17					▨

ID	Task Name	Duration	Start	Finish					
					F	M	A	M	J
316	Temporary Protection, advance work etc	45 days	01/11/16	15/12/16					
317	Gas Pipe Footing	180 days	16/12/16	13/06/17					
318	Gas Pipe Trench	180 days	14/06/17	10/12/17					
319	Section H2 - GRS Improvement work at Area C10	441 days	01/09/17	15/11/18					
320	GRS Area Improvement Works	441 days	01/09/17	15/11/18					
321	Retaining Wall Construction	90 days	01/09/17	29/11/17					
322	Removal of Surcharge and Backfill	45 days	30/11/17	13/01/18					
323	Footing Construction	240 days	14/01/18	10/09/18					
324	Topping up, finish and Misc. Works	66 days	11/09/18	15/11/18					
325	Section H3 - L10 Chimney Flue and A&A L9 & pipe rack formation	318 days	01/01/18	15/11/18					
326	No.4 Chimney Steel Flue	318 days	01/01/18	15/11/18					
327	Consent, documentation and site preparation	0 days	01/01/18	01/01/18					
328	Steel Flue Preparation & installation	150 days	02/01/18	31/05/18					
329	Install Steel Cover at Windshield	45 days	01/06/18	15/07/18					
330	Install Steel Cover at Roof	30 days	16/07/18	14/08/18					
331	Modification & Reinstatement Works	55 days	15/08/18	08/10/18					
332	E & M Installation	38 days	09/10/18	15/11/18					
333	MSB Unit 9 Pipe Rack Construction	90 days	01/04/18	29/06/18					
334	Section I1 - Link Bridge & associated A&A	455 days	01/01/18	31/03/19					
335	Link Bridge	455 days	01/01/18	31/03/19					
336	Design & Shop Drawings	90 days	01/01/18	31/03/18					
337	Access	0 days	17/11/18	17/11/18					
338	Site preparation	14 days	18/11/18	01/12/18					
339	Link Bridge between Unit L9 & L10	120 days	02/12/18	31/03/19					
340	Section I2 - Shunt Reactor SR4 Foundation	90 days	01/01/19	31/03/19					
341	Shunt Reactor Compound SR4	90 days	01/01/19	31/03/19					
342	Modification Work at Shunt Reactor SR4	90 days	01/01/19	31/03/19					
343	Section I3 - All remaining work except deferred works	417 days	08/02/18	31/03/19					
344	Remaining Works	417 days	08/02/18	31/03/19					
345	Demolition of Canopy @ Jetty Guard Hose & Toilet)	30 days	02/08/18	31/08/18					
346	Demolition of Existing Contractor Shed	60 days	01/09/18	30/10/18					
347	Security Fence Erection	20 days	31/10/18	19/11/18					
348	All External Works & Road Works	417 days	08/02/18	31/03/19					
349	Deferred Works - L10 MSB and HRSG	417 days	08/02/18	31/03/19					
350	Construction of L10 MSB Roof BetweenGL 10-G to 10-H and 10-2 to 10-6 After the Overhead Crane Installation	52 days	08/02/18	31/03/18					
351	Construction of Walls and Ceilings of Lube Oil Tank Room at L10 MSB	92 days	01/05/18	31/07/18					
352	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					
353	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					
354	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					
355	Removal of Temporary Paving Within L10 HRSG Area to Expose all respective Equipment Foundations	14 days	01/08/18	14/08/18					
356	Construction of Foundation Plinths and Walls of Lube Oil Storage Tank	93 days	15/08/18	15/11/18					
357	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					
358	Deferred Works - External Works	182 days	01/10/18	31/03/19					
359	Final Reinstatement of Access Roads and Pavement Surrounding and within L10 MSB and L10 HRSG Area	151 days	01/10/18	28/02/19					
360	FSD Inspection	14 days	02/03/19	15/03/19					
361	BD OP Inspection	14 days	18/03/19	31/03/19					
362	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					
363	275kV Cable Diversion	1127 days	01/05/17	31/05/20					
364	Part I (1km in Length, 1.1m to 1.5m Deep) (Works in existing Trench)	426 days	01/05/17	30/06/18					
365	Tentative Commencement Date Of Civil Works	0 days	01/05/17	01/05/17					
366	Implementation of TTA	7 days	01/05/17	07/05/17					
367	Remove the Concrete Road Cover	60 days	08/05/17	06/07/17					



ID	Task Name	Duration	Start	Finish					
					F	M	A	M	J
368	Cable Trench Re-excavation	208 days	07/06/17	31/12/17					
369	Completion Date of Trench Excavation for Site Handover	0 days	31/12/17	31/12/17					
370	Tentative Period for Backfilling and Road Reinstatement (Excluding Joint Bay and Trench at Station Road)	91 days	01/04/18	30/06/18					
371	Part II (630m in Length, 1.1m to 1.5m Deep) (Works in existing Trench)	485 days	01/11/17	28/02/19					
372	Tentative Commencement Date Of Civil Works	0 days	01/11/17	01/11/17					
373	Implementation of TTA	7 days	01/11/17	07/11/17					
374	Remove the Concrete Road Cover	32 days	08/11/17	09/12/17					
375	Trench Excavation and Installation of Road Decking at Joint Bay (Including Part I & II)	90 days	25/11/17	22/02/18					
376	Cable Trench Re-excavation	190 days	23/02/18	31/08/18					
377	Completion Date of Trench Excavation for Site Handover	0 days	31/08/18	31/08/18					
378	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					
379	Part III (400m in Length, 1.3m to 1.5m Deep) (Works in New Trench)	518 days	01/07/18	30/11/19					
380	Tentative Commencement Date Of Civil Works	0 days	01/07/18	01/07/18					
381	Implementation of TTA	7 days	01/07/18	07/07/18					
382	Remove the Concrete Road Cover	30 days	08/07/18	06/08/18					
383	Cable Trench Excavation with shoring	270 days	07/08/18	03/05/19					
384	Construction of New Joint Bay	28 days	04/05/19	31/05/19					
385	Completion Date of Trench Excavation for Site Handover	0 days	31/05/19	31/05/19					
386	Tentative Period for Backfilling and Road Reinstatement (excluding new slab but including SJ3)	91 days	01/09/19	30/11/19					
387	Part IV (Hand Dig Tunnel)	701 days	01/07/18	31/05/20					
388	Tentative Commencement Date Of Civil Works	0 days	01/07/18	01/07/18					
389	Excavation to Approx. +5mPD	30 days	01/07/18	30/07/18					
390	Existing Drainage Diversion	50 days	31/07/18	18/09/18					
391	Construction of New Cable Joint Bay	30 days	19/09/18	18/10/18					
392	Ramp Trench	75 days	19/10/18	01/01/19					
393	Formation of Temp. Cable Pit	45 days	02/01/19	15/02/19					
394	Hand Dig Tunnel (17.6m) (0.2-0.3m/day)	75 days	16/02/19	01/05/19					
395	Excavation for Duct Bank Construction	60 days	02/05/19	30/06/19					
396	Completion Date of Trench Excavation for Site Handover	0 days	30/06/19	30/06/19					
397	Deferred Works - Cable Diversion CPX1 and CPX2 (during DLP)	274 days	01/09/19	31/05/20					
398	Formation of Wall Opening between existing trench CPX1 and new Joint Bay	7 days	01/09/19	07/09/19					
399	Breaking up for Road Paving and Excavation down to Cable Tiles of Existing Trench CPX2	31 days	01/12/19	31/12/19					
400	Demolition of Existing Trench CPX1 and CPX2	30 days	01/04/20	30/04/20					
401	Final Reinstatement of the CPX1 and CPX2 Areas	31 days	01/05/20	31/05/20					
402	Deferred Works - Shunt Reactor Compound SR4 (during DLP)	153 days	01/07/19	30/11/19					
403	Trench Re-excavation and Cable Supports Installation for Shunt Reactor Compound SR4	62 days	01/07/19	31/08/19					
404	Backfilling and Road Re-instatement of Shunt Reactor SR4 and Associated Trench	30 days	01/11/19	30/11/19					