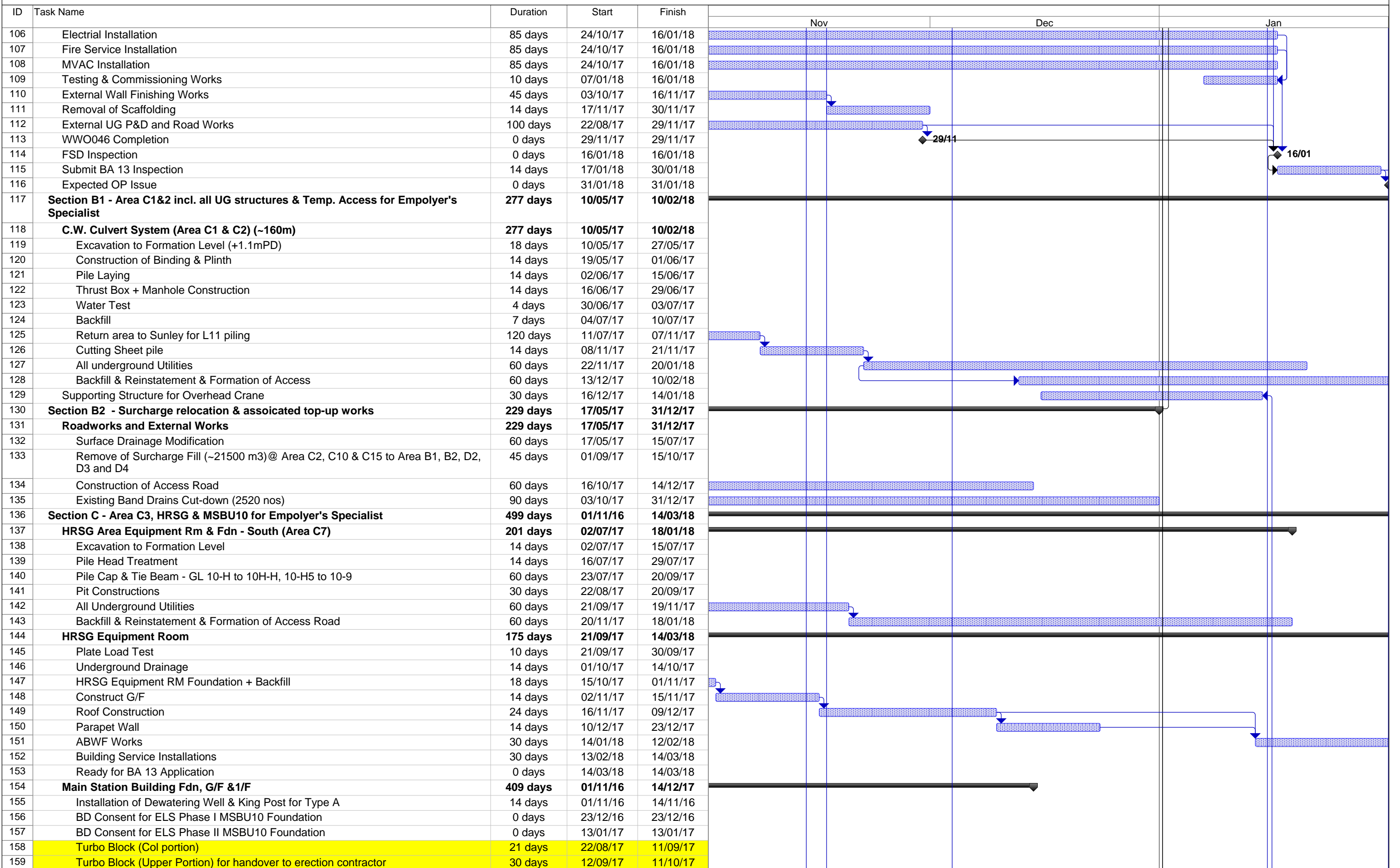
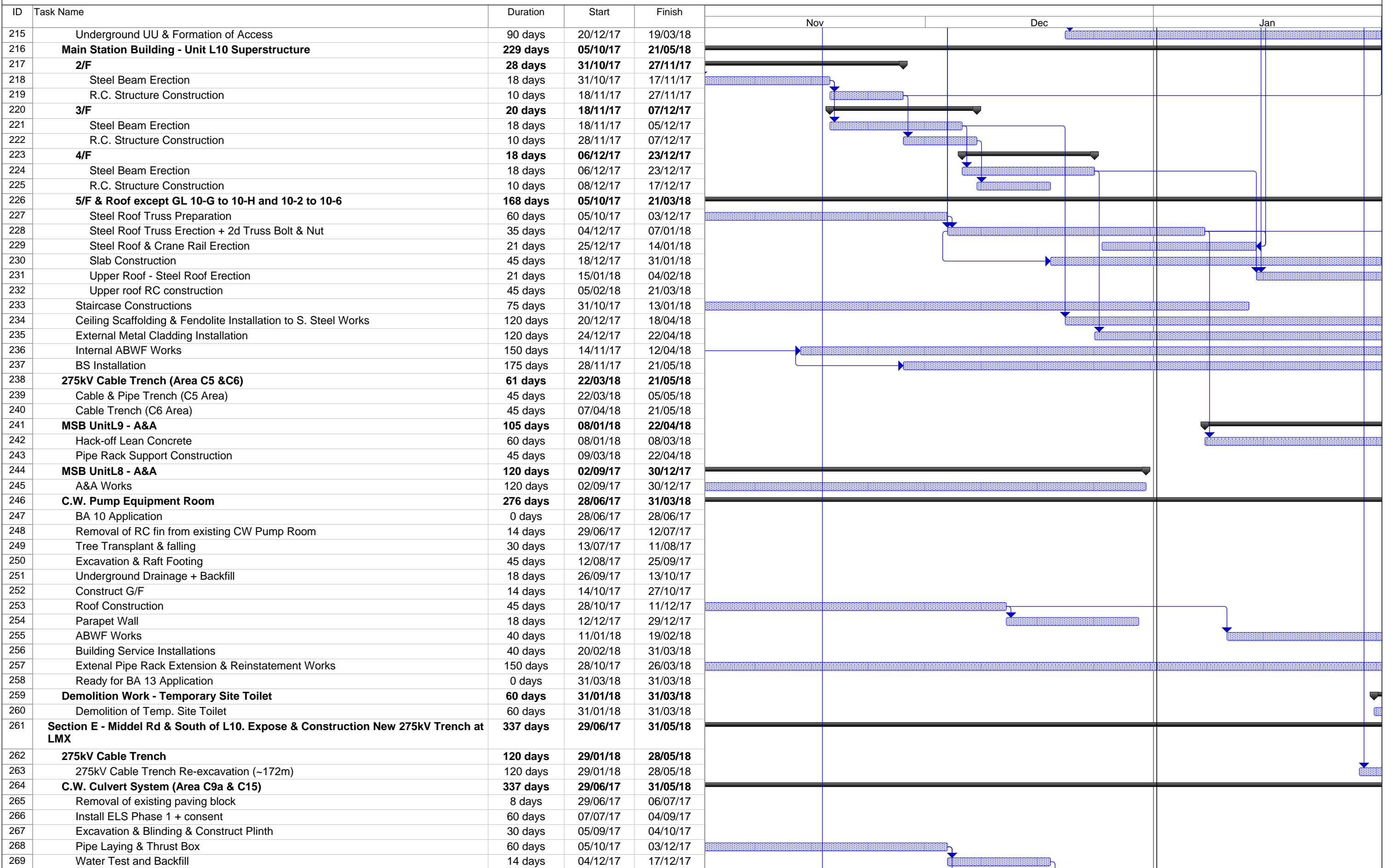


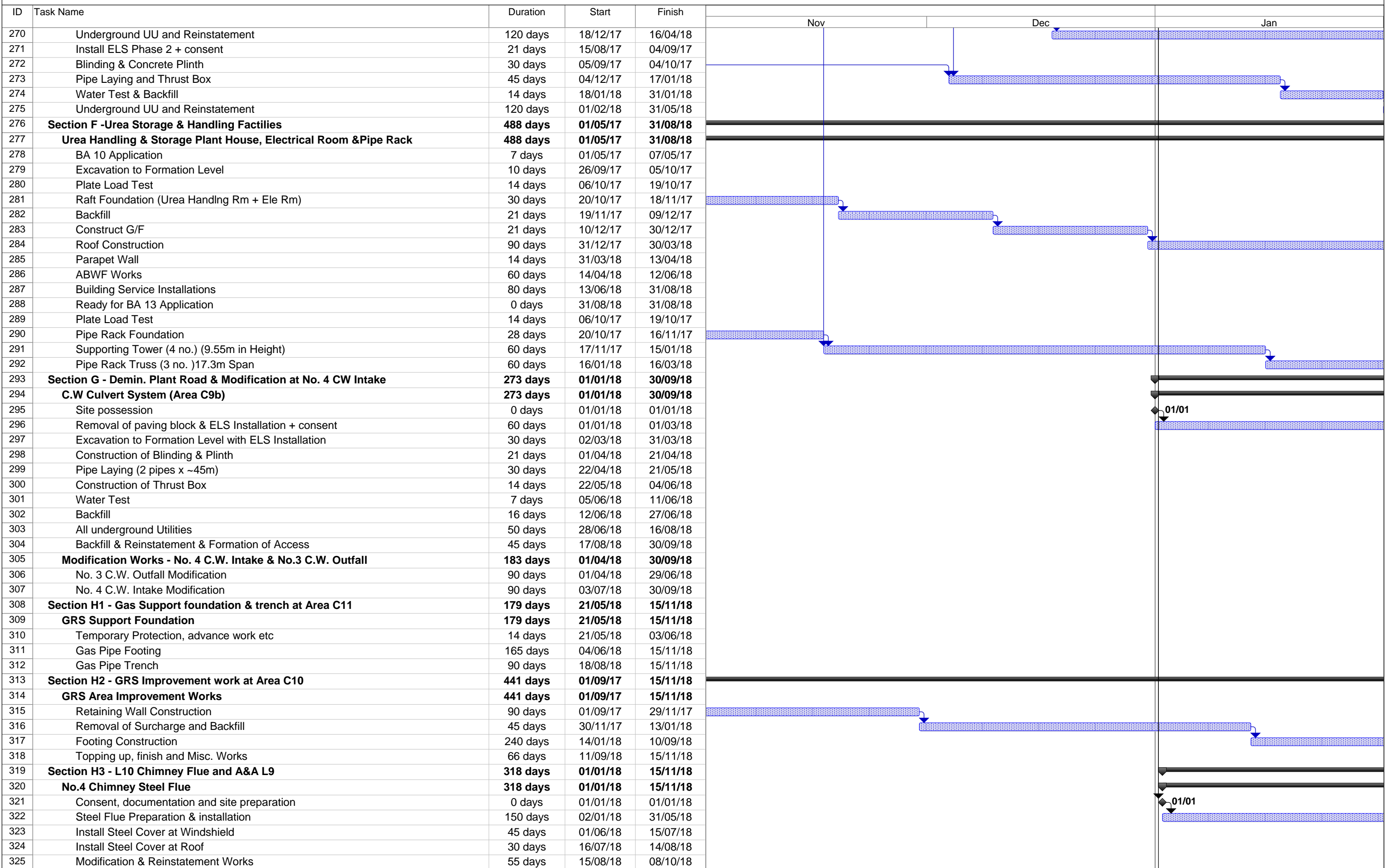
ID	Task Name	Duration	Start	Finish	Gantt Chart		
					Nov	Dec	Jan
1	Contract Key Date	1308 days	01/11/16	31/05/20			
2	Possession Date	1308 days	01/11/16	31/05/20			
3	Contract Commencement Date	0 days	01/11/16	01/11/16			
4	Section A1 - Modify Plinth at Ext. GRS	61 days	01/11/16	31/12/16			
5	Section 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	Section B2 - Surcharge relocation & assoicated		
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			

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



ID	Task Name	Duration	Start	Finish	Gantt Chart		
					Nov	Dec	Jan
160	Substructure & G/F- GL SC1 to 10-F, 10-1 to 10-6	307 days	24/12/16	26/10/17	[Gantt bar from 24/12/16 to 26/10/17]		
161	Excavation to Formation Level (Tx Bay Area + upto 10-D)	14 days	24/12/16	06/01/17	[Gantt bar from 24/12/16 to 06/01/17]		
162	Cut-down Pile Head & treatment	45 days	28/12/16	10/02/17	[Gantt bar from 28/12/16 to 10/02/17]		
163	Construction of Transformer Bay Foundations	60 days	11/02/17	11/04/17	[Gantt bar from 11/02/17 to 11/04/17]		
164	Pile Cap & Tie Beam, Pits Construction	60 days	12/04/17	10/06/17	[Gantt bar from 12/04/17 to 10/06/17]		
165	Bearing Wall, Column Post and G/F Plinths	60 days	11/06/17	09/08/17	[Gantt bar from 11/06/17 to 09/08/17]		
166	Excavation, Waling & Struct (Type A & Type C)	60 days	26/04/17	24/06/17	[Gantt bar from 26/04/17 to 24/06/17]		
167	CEP Drain Pit /Sump Pit Construction	14 days	25/06/17	08/07/17	[Gantt bar from 25/06/17 to 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	[Gantt bar from 30/12/16 to 30/12/16]		
169	Construction of Culvert Outlet Box (1st pour)	18 days	25/06/17	12/07/17	[Gantt bar from 25/06/17 to 12/07/17]		
170	Construction of Tie Beam/ Ground Beam + Outlet Box 2nd Pour	40 days	13/07/17	21/08/17	[Gantt bar from 13/07/17 to 21/08/17]		
171	Construction of Culvert Inlet Box & Ground Beams	45 days	22/08/17	05/10/17	[Gantt bar from 22/08/17 to 05/10/17]		
172	Backfill + Slabs & Drainage at G/F Area	21 days	06/10/17	26/10/17	[Gantt bar from 06/10/17 to 26/10/17]		
173	Turbo Block Foundation (1st portion) + Temp work	35 days	18/07/17	21/08/17	[Gantt bar from 18/07/17 to 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	[Gantt bar from 07/01/17 to 11/10/17]		
175	Excavation to Formation Level (+2.425mPD & 5.025mPD)	60 days	07/01/17	07/03/17	[Gantt bar from 07/01/17 to 07/03/17]		
176	Existing Sheet Pile Cut-down	7 days	08/03/17	14/03/17	[Gantt bar from 08/03/17 to 14/03/17]		
177	Pile Head Treatment	14 days	15/03/17	28/03/17	[Gantt bar from 15/03/17 to 28/03/17]		
178	Pile Cap & Tie Beam Construction	90 days	29/03/17	26/06/17	[Gantt bar from 29/03/17 to 26/06/17]		
179	Complete excavation at Type B & Plate Load Test	65 days	15/03/17	18/05/17	[Gantt bar from 15/03/17 to 18/05/17]		
180	Blow Down Sump (1st pour) + Mass Concrete for tie beams	50 days	27/06/17	15/08/17	[Gantt bar from 27/06/17 to 15/08/17]		
181	Remaining Tie Beams + Column Post at North of Turbo Block	30 days	16/08/17	14/09/17	[Gantt bar from 16/08/17 to 14/09/17]		
182	Backfill, Bearing Wall, Drainage and G/F Slab Construction	21 days	15/09/17	05/10/17	[Gantt bar from 15/09/17 to 05/10/17]		
183	Pile Caps & Tie Beam at South of Turbo Block	30 days	22/08/17	20/09/17	[Gantt bar from 22/08/17 to 20/09/17]		
184	Turbo Block Foundation (GL 10-F to H)	21 days	21/09/17	11/10/17	[Gantt bar from 21/09/17 to 11/10/17]		
185	G/F & 1/F & Maintenance Floor	115 days	22/08/17	14/12/17	[Gantt bar from 22/08/17 to 14/12/17]		
186	Steel Column & Beam Erections (other than for roof truss)	70 days	22/08/17	30/10/17	[Gantt bar from 22/08/17 to 30/10/17]		
187	R.C. Structure Construction	45 days	31/10/17	14/12/17	[Gantt bar from 31/10/17 to 14/12/17]		
188	Transformer Area	95 days	10/08/17	12/11/17	[Gantt bar from 10/08/17 to 12/11/17]		
189	Fire Wall Construction	50 days	10/08/17	28/09/17	[Gantt bar from 10/08/17 to 28/09/17]		
190	Slab & Plinths Construction + Backfill	45 days	29/09/17	12/11/17	[Gantt bar from 29/09/17 to 12/11/17]		
191	C.W. Culvert System (Area C3)	202 days	11/06/17	29/12/17	[Gantt bar from 11/06/17 to 29/12/17]		
192	Excavation to Formation Level	14 days	11/06/17	24/06/17	[Gantt bar from 11/06/17 to 24/06/17]		
193	Construction of Binding & Plinth	3 days	25/06/17	27/06/17	[Gantt bar from 25/06/17 to 27/06/17]		
194	CW Pipe Laying	14 days	28/06/17	11/07/17	[Gantt bar from 28/06/17 to 11/07/17]		
195	Thrust Box Construction	14 days	12/07/17	25/07/17	[Gantt bar from 12/07/17 to 25/07/17]		
196	Water Test	10 days	26/07/17	04/08/17	[Gantt bar from 26/07/17 to 04/08/17]		
197	Backfill	14 days	05/08/17	18/08/17	[Gantt bar from 05/08/17 to 18/08/17]		
198	Pile Cap & Tie Beam + Underground UU + Backfill	60 days	31/10/17	29/12/17	[Gantt bar from 31/10/17 to 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	[Gantt bar from 29/03/17 to 21/05/18]		
200	C.W Culvert System (Area C5)	142 days	30/12/17	20/05/18	[Gantt bar from 30/12/17 to 20/05/18]		
201	Excavation to Formation Level (-2.8mPD) with ELS Installation	30 days	30/12/17	28/01/18	[Gantt bar from 30/12/17 to 28/01/18]		
202	Construction of Binding & Plinth	7 days	29/01/18	04/02/18	[Gantt bar from 29/01/18 to 04/02/18]		
203	Penstock Trial & Preparation for connection to existing outlet pipe	0 days	04/02/18	04/02/18	[Gantt bar from 04/02/18 to 04/02/18]		
204	Pipe Laying (2 Pipes)	21 days	05/02/18	25/02/18	[Gantt bar from 05/02/18 to 25/02/18]		
205	Water Test	10 days	26/02/18	07/03/18	[Gantt bar from 26/02/18 to 07/03/18]		
206	Backfill	14 days	08/03/18	21/03/18	[Gantt bar from 08/03/18 to 21/03/18]		
207	All underground Utilities	60 days	22/03/18	20/05/18	[Gantt bar from 22/03/18 to 20/05/18]		
208	Backfill & Reinstatement & Formation of Access	60 days	22/03/18	20/05/18	[Gantt bar from 22/03/18 to 20/05/18]		
209	HRSG Area Fdn - North (Area C6)	356 days	29/03/17	19/03/18	[Gantt bar from 29/03/17 to 19/03/18]		
210	Excavation to Formation Level	21 days	29/03/17	18/04/17	[Gantt bar from 29/03/17 to 18/04/17]		
211	Pile Head Treatment	14 days	19/04/17	02/05/17	[Gantt bar from 19/04/17 to 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	[Gantt bar from 03/05/17 to 01/07/17]		
213	Pit Constructions	30 days	21/09/17	20/10/17	[Gantt bar from 21/09/17 to 20/10/17]		
214	Backfill	60 days	21/10/17	19/12/17	[Gantt bar from 21/10/17 to 19/12/17]		





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

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

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

No.	Description	2017		2018
		Nov	Dec	Jan
	Erection Key Date			
				▼
				▼
				Sub-cc →
A	HRSG PORTION			
A-01	Install Casing (Bottom/Side/Top) with Structure	Chipping/Packer ●-----●		●-----● ▼
		Preparation		
A-02	Upper/Lower Connection Pipe			Lower Pipe Temp. Install
A-03	Module Install (Bundle Tube Block)			
A-04	Down Commer Pipe			
A-05	Drum Lifting / HDR Level Adjustment			
A-06	Critical Piping/connecting piping (Main Steam, Aux, R/H, HP/LP Feed Water)			
A-07	Other piping			
A-08	Access Platform / Hand Rail			▼
A-09	Inside Baffle Plate & Seismic Tie Adjust / Setting			

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

No.	Description	2017		2018
		Nov	Dec	Jan
	Erection Key Date			
			▼	▼
				Sub-cc →
A-10	SCR System			
A-11	Inlet Duct Structure / Include Pipe Rack (U9-U10 Connection)			
A-12	Inlet Duct			
A-13	Exhaust Duct Structure			
A-14	Exhaust Duct			
A-15	Aux Equip(B/D Tank, HP/IP Feed Water Pump, LP Eco Recirculation Pump, etc.) HP/IP Feed Water Pump Reserve feed water Tank		Chipping/Pac Chipping/Pac	
A-16	Insulation			
A-17	Painting			
A-18	Install Catalyst			

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

No.	Description	2017		2018
		Nov	Dec	Jan
	Erection Key Date			
A-19	Steam Blowing out(other scope) & alkaline boiling out Installation of Temporary piping, Support & Silencer Exection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Exection of Steam boiling out			
B	GT/ST/GEN PORTION			
B-1	Turbine O/H Crane		Preparation	G-Assy
B-2	Condenser		Prepare Temp. Rail	Pull In
B-3	Install ST			

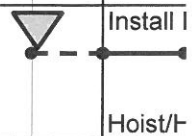
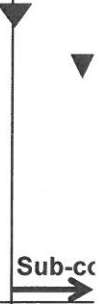
SCHEDULE C. Contract No. 16/2209
 Lamma Power Station Extension - Unit 10
 Complete Erection, Inspection, Testing &
 Commissioning of Power Block Facilities

No.	Description	2017		2018
		Nov	Dec	Jan
	Erection Key Date			
B-4	Install GEN			
B-5	Install GT			

The Gantt chart displays the project schedule across three months: November 2017, December 2017, and January 2018. A thick horizontal bar at the top represents the 'Erection Key Date', spanning from the start of November 2017 to the end of January 2018. Below this, a horizontal arrow labeled 'Sub-cc' points from the end of November 2017 to the end of January 2018. Three dashed horizontal bars, each labeled 'Template', are positioned below the 'Sub-cc' arrow. The first 'Template' bar spans from the start of November 2017 to the end of December 2017. The second 'Template' bar spans from the start of November 2017 to the end of January 2018. The third 'Template' bar spans from the start of November 2017 to the end of December 2017. Additionally, there are two downward-pointing triangles: one at the end of December 2017 and another at the end of January 2018.

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

No.	Description	2017		2018
		Nov	Dec	Jan
	Erection Key Date			
B-6	Aux Equipment			
B-7	Insulation			
B-8	Painting			
B-9	Switchgear/Hoist/Hoist for condenser			



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

No.	Description	2017		2018
		Nov	Dec	Jan
	Erection Key Date			
			▼	▼
				Sub-cc →
C	ERECTION & INSTRUMENTATION PORTION			
C-1	Transformer & Ancillaries (G Tx, U Tx, Ex Tx, SFC Tx)			
C-2	EQUIPMENT INSTALLATION			
	Generator & Ancillaries			
	Isolated Phase Busducts			
	Switchgear and Accessories			
	UPS, Batterys, Battery Charger System & DBs			
	Electrical Panels & Local Control Panels			
	Control Systems, Control Panels, Local Instrument Cubicle & Rack			
	Channel Base Installation	●	—————	●
C-3	CABLING SYSTEM INSTALLATION			
	Cable Ladder / Tray Installation			
	Conduit Pipe Installation			
	Earthing Installation			
	Cable Laying & Termination			
	Fire Resistant Sealing			
	Cable Trench Opening & Transportation			

SUNLEY ENGINEERING & CONSTRUCTION CO., LTD.

Contract No. 16/8015 - Lamma Power Station Extension Foundation Works for Unit L11

Master Programme (Rev 1)

ID	Task Name	Duration	Start	Finish	2017年			2018年		
					十一月	十二月	一月	十一月	十二月	一月
1	Key Date	455 days	2016/12/21	2018/3/20						
2	Commencement date	0 days	2016/12/21	2016/12/21						
3	Duration of works	455 days	2016/12/21	2018/3/20						
4	Site possession date	0 days	2016/12/21	2016/12/21						
5	Completion of the Contract	0 days	2018/3/20	2018/3/20						
6										
7	Submission & Works Commenced Before the Contract	229 days	2016/11/14	2017/6/30						
8	Preliminaries	75 days	2016/11/14	2017/1/27						
9	Coordination with utility companies	14 days	2016/12/14	2016/12/27						
10	Condition survey	1 day	2016/12/14	2016/12/14						
11	Notification of commencement of works to Labour Department	1 day	2016/12/19	2016/12/19						
12	Notification of air pollution control for commencement of works to EPD	1 day	2016/12/19	2016/12/19						
13	Application of water discharge licence from EPD	14 days	2016/12/12	2016/12/25						
14	Application for billing account for disposal of construction waste from EPD	7 days	2016/12/12	2016/12/18						
15	CCTV for existing underground drainage pipe around site boundary	12 days	2017/1/16	2017/1/27						
16	Erection of contractor's site office	21 days	2016/12/14	2017/1/3						
17	Installation of monitoring checkpoints	2 days	2016/12/13	2016/12/14						
18	Submission of BA10 for foundation works	0 days	2016/11/14	2016/11/14						
19										
20	Predrilling Works	51 days	2016/11/23	2017/1/12						
21	Drilling rigs mobilization (6 rigs)	1 day	2016/12/22	2016/12/22						
22	Predrilling works	31 days	2016/11/23	2016/12/23						
23	Submission of predrill logs	16 days	2016/12/28	2017/1/12						
24	Completion of predrilling works	0 days	2017/1/12	2017/1/12						
25										
26	Plant Mobilization for Bored Pile Construction	197 days	2016/12/8	2017/6/22						
27	Crawler Crane	68 days	2016/12/8	2017/2/13						
28	1st & 2nd set	1 day	2016/12/8	2016/12/8						
29	3rd & 4th set	1 day	2017/1/3	2017/1/3						
30	5th & 6th set	1 day	2017/2/13	2017/2/13						
31	Oscillator	196 days	2016/12/9	2017/6/22						
32	1st & 2nd set	4 days	2016/12/9	2016/12/12						
33	3rd & 4th set	1 day	2017/1/4	2017/1/4						
34	5th set	1 day	2017/2/14	2017/2/14						
35	6th set	2 days	2017/6/21	2017/6/22						
36	RCD	84 days	2017/1/7	2017/3/31						
37	1st & 2nd set	7 days	2017/1/7	2017/1/13						
38	3rd & 4th set	7 days	2017/1/21	2017/1/27						
39	5th & 6th set (Optional if necessary)	7 days	2017/3/25	2017/3/31						
40	Completion of plant mobilization for bored pile construction	0 days	2017/3/31	2017/3/31						
41										
42	Delivery of Temporary Steel Casing for Bored Pile Construction	192 days	2016/12/21	2017/6/30						
43	Duration for delivery of temporary steel casing	192 days	2016/12/21	2017/6/30						
44	Completion of delivery of temporary steel casing for bored pile construction	0 days	2017/6/30	2017/6/30						
45										
46	Total Contract Period	455 days	2016/12/21	2018/3/20						
47										
48	Section A	304 days	2016/12/21	2017/10/20						
49	Bored Pile Construction (22 piles)	304 days	2016/12/21	2017/10/20						
50	1st set - G2 > G1 > G3 > G4 (1 crane operator, 1 oscillator operator, 1 RCD operator, 4 riggers & 2 welders)	136 days	2016/12/21	2017/5/5						
51	G2	35 days	2016/12/21	2017/1/24						
52	Delivery of liner for G1	2 days	2017/3/3	2017/3/4						
53	G1	58 days	2017/1/25	2017/3/23						
54	Delivery of liner for G3	2 days	2017/3/10	2017/3/11						
55	G3	49 days	2017/2/1	2017/3/21						
56	Delivery of liner for G4	2 days	2017/4/21	2017/4/22						
57	G4	45 days	2017/3/22	2017/5/5						
58	2nd set - G7 > G5 > G6 > BP26 > BP20 > BP23 (1 crane operator, 1 oscillator operator, 1 RCD operator, 4 riggers & 2 welders)	273 days	2016/12/21	2017/9/19						

Master Programme
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Task Critical Task Milestone Summary

SUNLEY ENGINEERING & CONSTRUCTION CO., LTD.

Contract No. 16/8015 - Lamma Power Station Extension Foundation Works for Unit L11

Master Programme (Rev 1)

ID	Task Name	Duration	Start	Finish	2017年			2018年		
					十一月	十二月	一月	十一月	十二月	一月
59	G7	45 days	2016/12/21	2017/2/3						
60	Delivery of liner for G6	2 days	2017/3/3	2017/3/4						
61	G6	39 days	2017/2/4	2017/3/14						
62	Delivery of liner for G5	2 days	2017/4/21	2017/4/22						
63	G5	48 days	2017/3/15	2017/5/1						
64	Delivery of liner for BP26	2 days	2017/6/9	2017/6/10						
65	BP26	46 days	2017/5/2	2017/6/16						
66	Delivery of liner for BP20	2 days	2017/7/7	2017/7/8						
67	BP20 (requested the latest day for construction of this pile on 23 Jun 17)	44 days	2017/6/23	2017/8/5						
68	Delivery of liner for BP23	2 days	2017/9/1	2017/9/2						
69	BP23	45 days	2017/8/6	2017/9/19						
70	3rd set - BP5 > BP1 > BP13 > BP9 > BP17 (1 crane operator, 1 oscillator operator, 2 RCD operators, 4 riggers & 2 welders)	155 days	2017/1/5	2017/6/8						
71	Delivery of liner for BP5	2 days	2017/3/1	2017/3/2						
72	BP5	65 days	2017/1/5	2017/3/10						
73	Delivery of liner for BP1	2 days	2017/3/10	2017/3/11						
74	BP1	48 days	2017/2/12	2017/3/31						
75	Delivery of liner for BP13	2 days	2017/4/7	2017/4/8						
76	BP13	45 days	2017/3/11	2017/4/24						
77	Delivery of liner for BP9	2 days	2017/4/28	2017/4/29						
78	BP9	50 days	2017/4/3	2017/5/22						
79	Delivery of liner for BP17	2 days	2017/5/19	2017/5/20						
80	BP17	45 days	2017/4/25	2017/6/8						
81	4th set - G10 > G8 > G9 (1 crane operator, 1 oscillator operator, 1 RCD operator, 4 riggers & 2 welders)	122 days	2017/1/12	2017/5/13						
82	G10	45 days	2017/1/12	2017/2/25						
83	Delivery of liner for G9	2 days	2017/3/17	2017/3/18						
84	G9	31 days	2017/2/26	2017/3/28						
85	Delivery of liner for G8	2 days	2017/4/28	2017/4/29						
86	G8	46 days	2017/3/29	2017/5/13						
87	5th set - BP8 > BP4 (1 crane operator, 1 oscillator operator, 1 RCD operator, 4 riggers & 2 welders)	89 days	2017/6/23	2017/9/19						
88	Delivery of liner for BP8	2 days	2017/7/21	2017/7/22						
89	BP8 (requested the latest day for construction of this pile on 23 Jun 17)	44 days	2017/6/23	2017/8/5						
90	Delivery of liner for BP4	2 days	2017/9/8	2017/9/9						
91	BP4	45 days	2017/8/6	2017/9/19						
92	6th set - BP12 > BP16 (1 crane operator, 1 oscillator operator, 1 RCD operator, 4 riggers & 2 welders)	89 days	2017/6/23	2017/9/19						
93	Delivery of liner for BP12	2 days	2017/7/21	2017/7/22						
94	BP12 (requested the latest day for construction of this pile on 23 Jun 17)	44 days	2017/6/23	2017/8/5						
95	Delivery of liner for BP16	2 days	2017/9/8	2017/9/9						
96	BP16	45 days	2017/8/6	2017/9/19						
97	Interface & sonic test	30 days	2017/8/28	2017/9/26						
98	Prepare & submit as-built record plan	7 days	2017/9/19	2017/9/25						
99	Submission of BA14	1 day	2017/9/26	2017/9/26						
100	Allow 14 days for selection of pile for concrete full core test	14 days	2017/9/27	2017/10/10						
101	Concrete full core test	10 days	2017/10/11	2017/10/20						
102	Completion of bored pile construction	0 days	2017/10/20	2017/10/20						
103	Sheet Pile	162 days	2017/5/12	2017/10/20						
104	Plant mobilization (1 rig) (1 operator, 4 riggers & 4 welders)	7 days	2017/8/3	2017/8/9						
105	Delivery of sheet pile material	90 days	2017/5/12	2017/8/9						
106	Installation of sheet pile - Type B (approx. 80 piles)	65 days	2017/8/10	2017/10/13						
107	Prepare & submit as-built record plan	6 days	2017/10/14	2017/10/19						
108	Submission of BA14	1 day	2017/10/20	2017/10/20						
109	Completion of sheet pile	0 days	2017/10/20	2017/10/20						
110	Completion of section A	0 days	2017/10/20	2017/10/20						
111										
112	Section B	455 days	2016/12/21	2018/3/20						
113	Delivery of Permanent Casing & Double Wall Liner	390 days	2016/12/21	2018/1/14						
114	Testing for double wall liner (subject to HEC's request)	45 days	2016/12/21	2017/2/3						
115	Duration for delivery of permanent casing & double wall liner	305 days	2017/3/16	2018/1/14						

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Task Critical Task Milestone Summary

SUNLEY ENGINEERING & CONSTRUCTION CO., LTD.

Contract No. 16/8015 - Lamma Power Station Extension Foundation Works for Unit L11

Master Programme (Rev 1)

ID	Task Name	Duration	Start	Finish	2017年			2018年		
					十一月	十二月	一月	M12	M13	M14
116	Bored Pile Construction (16 piles)	399 days	2017/2/15	2018/3/20						
117	1st set - BP21 > BP22 > BP18 > BP19 > BP15 (1 crane operator, 1 oscillator operator, 1 RCD operator, 4 riggers & 2 welders)	227 days	2017/6/25	2018/2/6						
118	Delivery of liner for BP21	2 days	2017/7/28	2017/7/29						
119	BP21	46 days	2017/6/25	2017/8/9						
120	Delivery of liner for BP22	2 days	2017/8/25	2017/8/26						
121	BP22	45 days	2017/8/10	2017/9/23						
122	Delivery of liner for BP18	2 days	2017/10/27	2017/10/28						
123	BP18	45 days	2017/9/25	2017/11/8						
124	Delivery of liner for BP19	2 days	2017/12/8	2017/12/9						
125	BP19	45 days	2017/11/9	2017/12/23						
126	Delivery of liner for BP15	2 days	2017/12/8	2017/12/9						
127	BP15	45 days	2017/12/24	2018/2/6						
128	3rd set - BP14 > BP11 > BP29 > BP6 > BP7 (1 crane operator, 1 oscillator operator, 2 RCD operators, 4 riggers & 2 welders)	137 days	2017/5/23	2017/10/6						
129	Delivery of liner for BP14	2 days	2017/6/23	2017/6/24						
130	BP14	46 days	2017/5/23	2017/7/7						
131	Delivery of liner for BP11	2 days	2017/7/7	2017/7/8						
132	BP11	45 days	2017/6/9	2017/7/23						
133	Delivery of liner for BP29	2 days	2017/8/4	2017/8/5						
134	BP29	45 days	2017/7/8	2017/8/21						
135	Delivery of liner for BP6	2 days	2017/8/25	2017/8/26						
136	BP6	45 days	2017/7/24	2017/9/6						
137	Delivery of liner for BP7	2 days	2017/9/15	2017/9/16						
138	BP7	46 days	2017/8/22	2017/10/6						
139	4th set - BP27 > BP28 > BP25 > BP24 (1 crane operator, 1 oscillator operator, 1 RCD operator, 4 riggers & 2 welders)	181 days	2017/5/14	2017/11/10						
140	Delivery of liner for BP27	2 days	2017/6/9	2017/6/10						
141	BP27	45 days	2017/5/14	2017/6/27						
142	Delivery of liner for BP28	2 days	2017/7/7	2017/7/8						
143	BP28	46 days	2017/6/27	2017/8/11						
144	Delivery of liner for BP25	2 days	2017/8/25	2017/8/26						
145	BP25	45 days	2017/8/12	2017/9/25						
146	Delivery of liner for BP24	2 days	2017/10/27	2017/10/28						
147	BP24	46 days	2017/9/26	2017/11/10						
148	5th set - BP3 > BP10 (1 crane operator, 1 oscillator operator, 1 RCD operator, 4 riggers & 2 welders)	94 days	2017/2/15	2017/5/19						
149	Delivery of liner for BP3	2 days	2017/3/17	2017/3/18						
150	BP3	45 days	2017/2/15	2017/3/31						
151	Delivery of liner for BP10	2 days	2017/5/5	2017/5/6						
152	BP10	44 days	2017/4/6	2017/5/19						
153	Interface & sonic test	30 days	2018/1/18	2018/2/16						
154	Prepare & submit as-built record plan	7 days	2018/2/17	2018/2/23						
155	Submission of BA14	1 day	2018/2/24	2018/2/24						
156	Allow 14 days for selection of pile for concrete full core test	14 days	2018/2/25	2018/3/10						
157	Concrete full core test	10 days	2018/3/11	2018/3/20						
158	Completion of bored pile construction	0 days	2018/3/20	2018/3/20						
159	Sheet Pile	225 days	2017/7/10	2018/2/19						
160	Delivery of sheet pile material	90 days	2017/7/10	2017/10/7						
161	Installation of sheet pile - Type A (approx. 192 piles) (1 rig mobilized after completion of sheet pile of Type B) (1 operator, 4 riggers & 4 welders)	45 days	2017/10/14	2017/11/27						
162	Installation of sheet pile - Type C (approx. 325 piles) (1 rig mobilized after completion of sheet pile of Type A) (1 operator, 4 riggers & 4 welders)	76 days	2017/11/28	2018/2/11						
163	Prepare & submit as-built record plan	7 days	2018/2/12	2018/2/18						
164	Submission of BA14	1 day	2018/2/19	2018/2/19						
165	Completion of sheet pile	0 days	2018/2/19	2018/2/19						
166	Completion of section B	0 days	2018/3/20	2018/3/20						
167										
168	Contract completion	0 days	2018/3/20	2018/3/20						



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