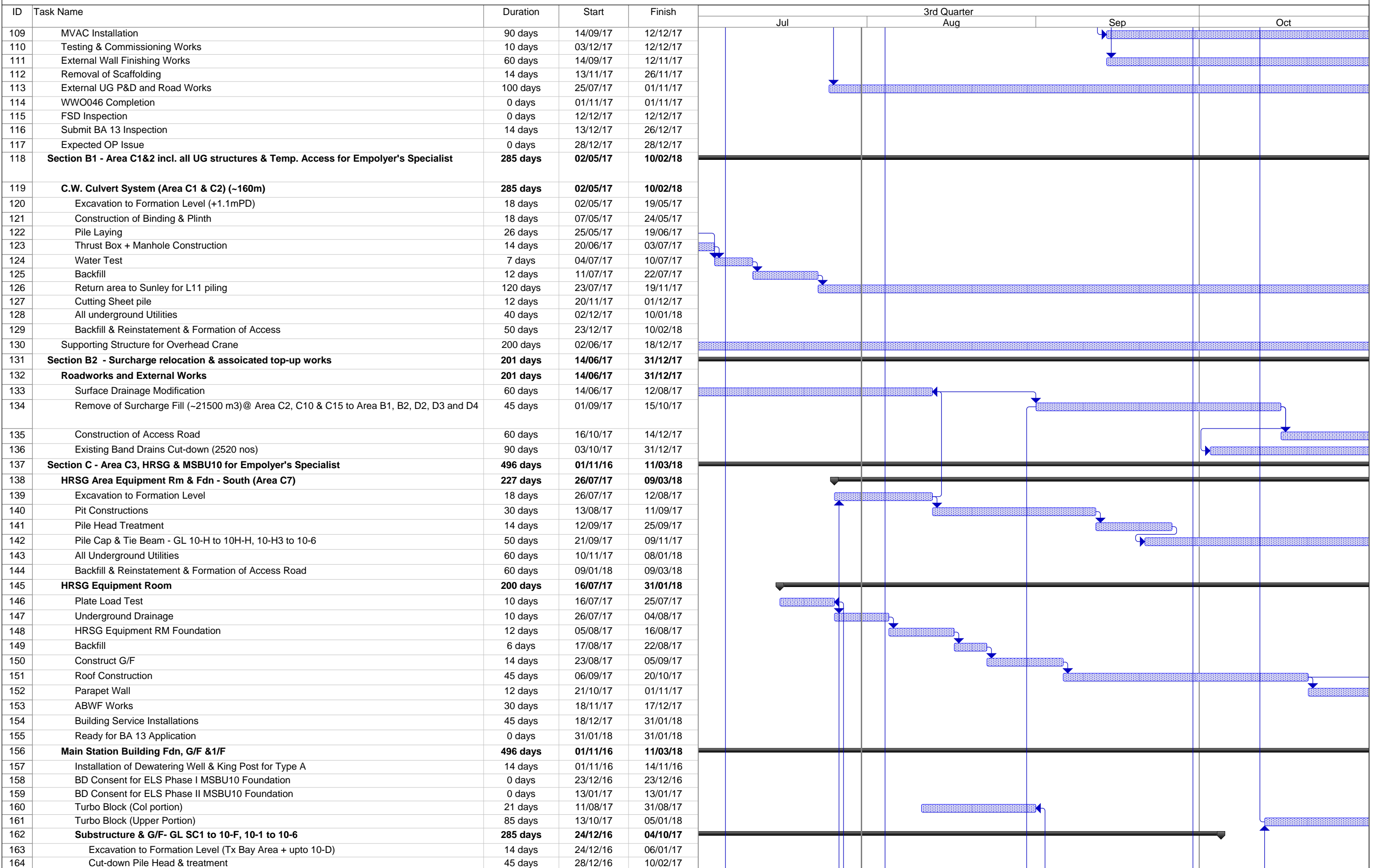
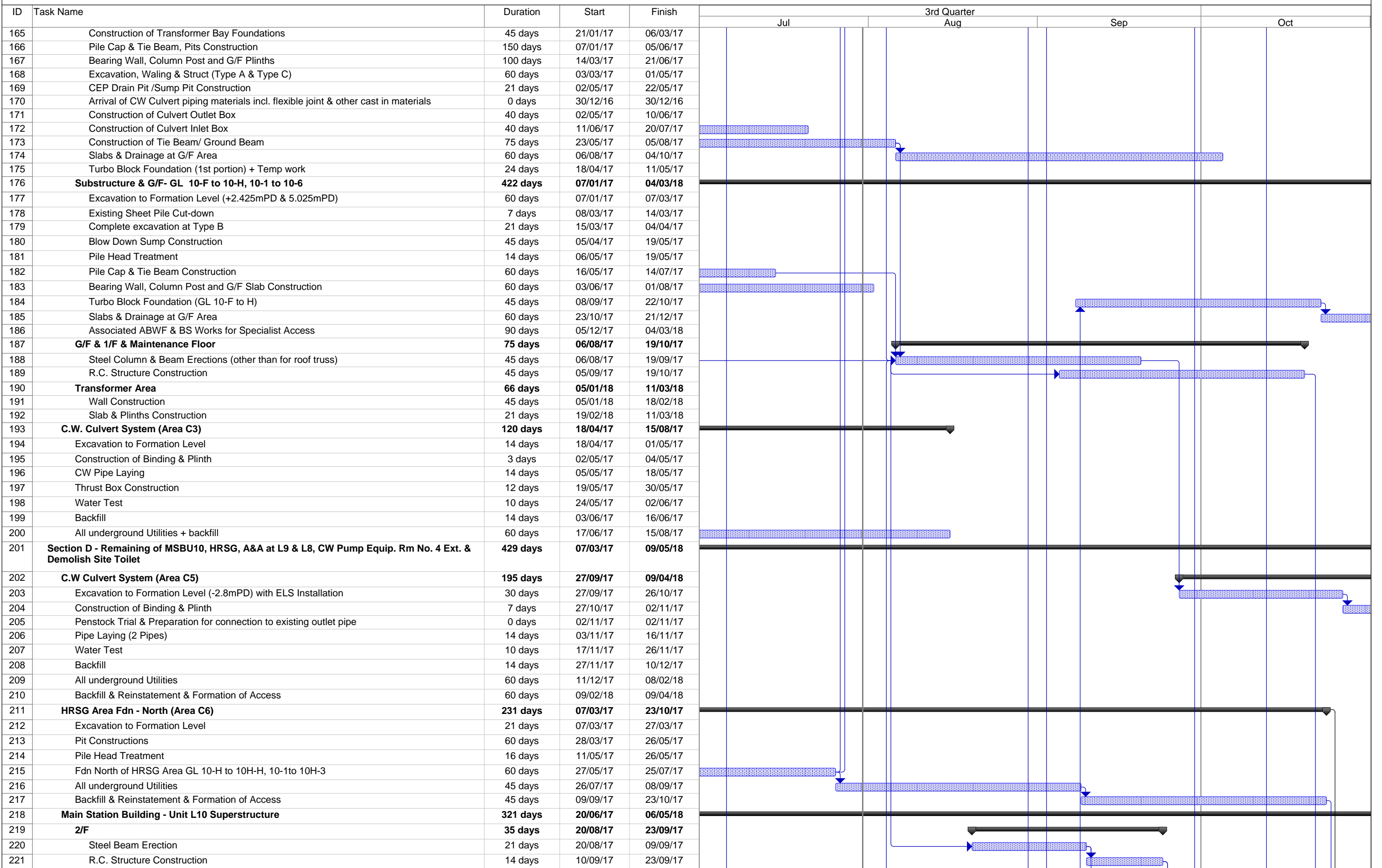
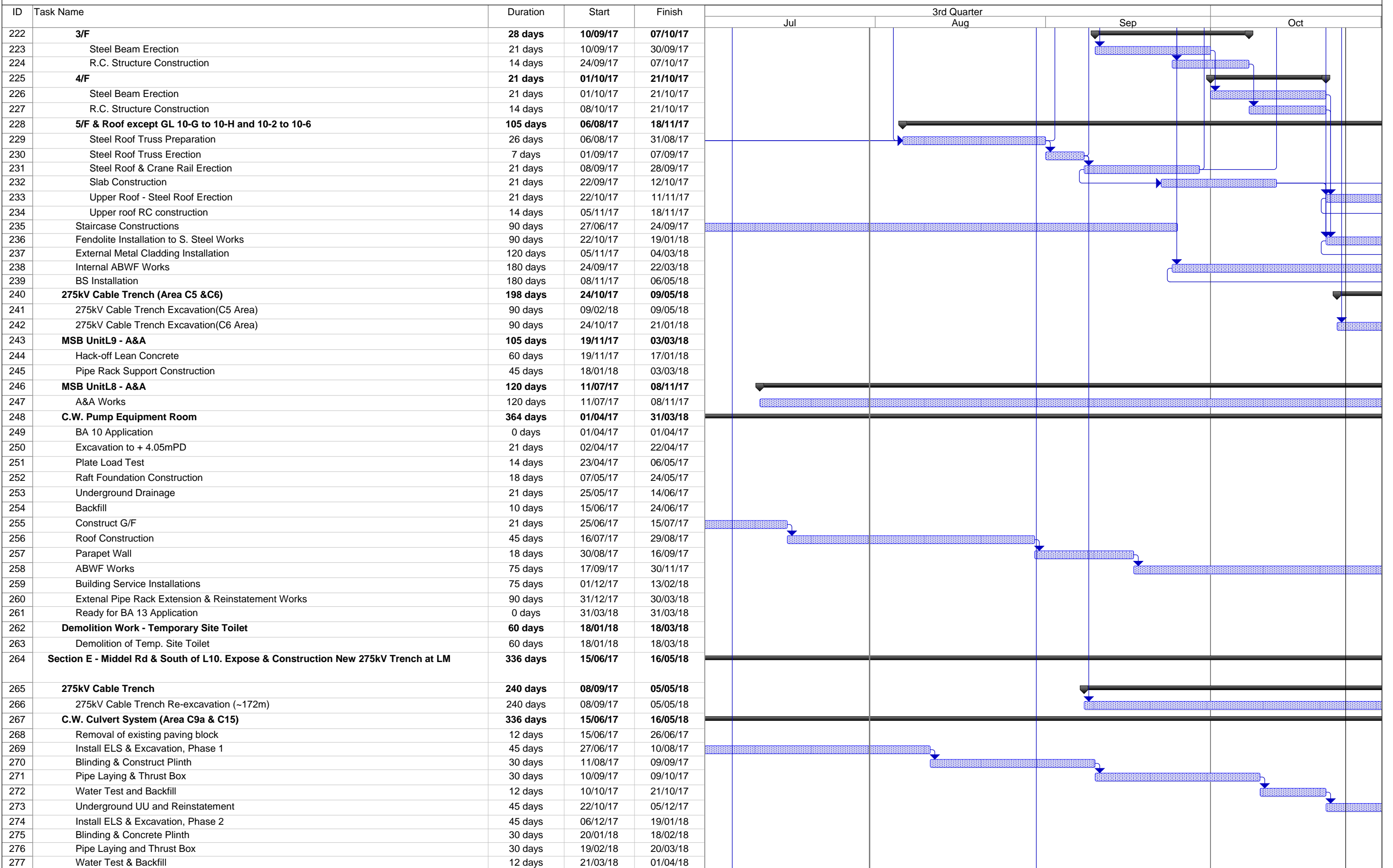


ID	Task Name	Duration	Start	Finish	3rd Quarter			
					Jul	Aug	Sep	Oct
1	Contract Key Date	1308 days	01/11/16	31/05/20				
2	Possession Date	1308 days	01/11/16	31/05/20				
3	Contract Commencement Date	0 days	01/11/16	01/11/16				
4	Section A1 - Modify Plinth at Ext. GRS	61 days	01/11/16	31/12/16				
5	Section A2 - LPS Site Office Building	410 days	14/11/16	28/12/17				
6	Section B1 - Area C1&2 incl. all UG structures & Temp. Access for Empolyer's Specialist	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	10/12/16	11/03/18				
9	Section D - Remaining of MSBU10, HRSG, A&A at L9 & L8, Ext. & Demolish Site Toilet	516 days	10/12/16	09/05/18				
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 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	537 days	01/11/16	21/04/18				
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	28/03/17	03/04/17				
29	Tower Crane Erection	5 days	14/04/17	18/04/17				
30	Removal of Tower Crane (Including Foundation)	18 days	04/04/18	21/04/18				
31	L10 MSB External Scaffolding erection	145 days	06/08/17	28/12/17				
32	L10 MSB External Scaffolding Removal	30 days	05/03/18	03/04/18				
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)	130 days	31/03/17	07/08/17				
42	CW Culvert (Inlet) ELS BD approval & consent	90 days	01/12/16	28/02/17				
43	Sumission & 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	120 days	01/12/16	30/03/17				
47	Fabrication & Delivery of Foldering Shutters	150 days	31/03/17	27/08/17				
48	Sewage Pump System Design submission & Approval	60 days	15/05/17	13/07/17				
49	Fabrication & Delivery of Sewage Pump	150 days	14/07/17	10/12/17				
50	Other Material Submission & Approval & Deliverys	240 days	14/02/17	11/10/17				
51	Coordination with the Employer's Specialist Contractors	534 days	16/05/17	31/10/18				
52	Outlet Culvert Box Verical Puddle Pipes Installation	7 days	16/05/17	22/05/17				
53	Inlet Culvert Box Verical Puddle Pipes Installation	7 days	25/06/17	01/07/17				
54	Template setting in at L10 Turbo Block Foundation	45 days	03/11/17	17/12/17				
55	Template setting of holding down bolts at HRSG Column Base	45 days	03/11/17	17/12/17				

ID	Task Name	Duration	Start	Finish	3rd Quarter			
					Jul	Aug	Sep	Oct
56	I-beam/ Channel Base Installation on top of Transformer Foundations at Transformer Area	32 days	08/02/18	11/03/18				
57	Overhead crane rail delivery	0 days	28/09/17	28/09/17			28/09	
58	Overhead crane rail installation	18 days	01/12/17	19/12/17				
59	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	19/12/17	25/01/18				
60	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	11/02/18	10/05/18				
61	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	11/02/18	10/05/18				
62	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				
63	Installation of Embedded Materials such as Holding Down Bolts for Equipment Foundation	300 days	16/05/17	11/03/18				
64	Section A1 - Modify Plinth at Ext. GRS	61 days	01/11/16	31/12/16				
65	Existing Plinth Removal	18 days	01/11/16	18/11/16				
66	Wall Base & Plinth Construction	45 days	17/11/16	31/12/16				
67	Pipe Rack at Unit 9 North (VO under EI No. 6)	152 days	29/01/17	30/06/17				
68	Consent and BA10 Submissions	0 days	29/01/17	29/01/17				
69	Hoarding & Plant Load Test	18 days	30/01/17	16/02/17				
70	Footing Construction & Reinstatement	75 days	17/02/17	02/05/17				
71	Structural Steel Fabrication, Delivery & Erection	60 days	02/05/17	30/06/17				
72	Section A2 - LPS Site Office Building	423 days	01/11/16	28/12/17				
73	Submissions of Shop Drawings and Approval	90 days	01/11/16	29/01/17				
74	Submission & Approval of CSD & CBWD	60 days	15/01/17	15/03/17				
75	Complete site clearance by HKE	0 days	01/11/16	01/11/16				
76	Demolish of existing site office	21 days	01/11/16	21/11/16				
77	BA 10 Application	0 days	01/11/16	01/11/16				
78	Erection of Hording	7 days	01/11/16	07/11/16				
79	Plate Load Test	7 days	08/11/16	14/11/16				
80	Installation of Earthing Grid	18 days	15/11/16	02/12/16				
81	Construction of pad footing, bearing wall, columns up to G/F	45 days	03/12/16	16/01/17				
82	Chinese New Year	10 days	27/01/17	05/02/17				
83	Backfill & UG Drainage within Building	75 days	17/01/17	01/04/17				
84	Backfill & Blinding	4 days	02/04/17	05/04/17				
85	Construct G/F on-grade slab & External Scaffold Erection	12 days	06/04/17	17/04/17				
86	RC Walls, Columns and Slab up to 1/F	50 days	18/04/17	06/06/17				
87	RC Walls, Columns and Slab up to R/F	50 days	18/05/17	06/07/17				
88	Parapet Wall, FS Water Tank, Top Roofs + RC curb, hatch door etc	18 days	07/07/17	24/07/17				
89	Waterproofing for Lift pit + Water test	14 days	25/07/17	07/08/17				
90	G/F Window, Louvre, Doors Frame & Shutter Frame	40 days	07/07/17	15/08/17				
91	G/F Finishing Works	55 days	21/07/17	13/09/17				
92	G/F Plumbing & Drainage Works	60 days	14/08/17	12/10/17				
93	G/F Sanitary Fitting and Cubicles	60 days	13/09/17	11/11/17				
94	G/F Other sundry metal, railing, etc	30 days	12/11/17	11/12/17				
95	G/F Placing Furnitures	10 days	17/12/17	26/12/17				
96	1/F Window, Louvre & Door Frames	45 days	21/07/17	03/09/17				
97	1/F Finishing Works	35 days	20/08/17	23/09/17				
98	1/F Plumbing, Sanitary Fittings & Drainage Works	21 days	24/09/17	14/10/17				
99	1/F Other sundry metal, railing, etc	45 days	15/10/17	28/11/17				
100	R+UR/F Waterproofing Installation + Testing	60 days	15/08/17	13/10/17				
101	R/F Finishing Works (incl. Water Tank & FS Pump Room)	30 days	04/10/17	02/11/17				
102	R/F Plumbing Works	14 days	03/11/17	16/11/17				
103	R/F Sundry Metal, Handrail & Glazed Railing	30 days	03/11/17	02/12/17				
104	Installation of Door a& Shutter leaves	30 days	03/11/17	02/12/17				
105	Handover of lift shaft	0 days	07/08/17	07/08/17				
106	Lift Installation + EMSD Inspection + Issue of Lift Cert	120 days	08/08/17	05/12/17			07/08	
107	Electrical Installation	90 days	14/09/17	12/12/17				
108	Fire Service Installation	90 days	14/09/17	12/12/17				







ID	Task Name	Duration	Start	Finish	3rd Quarter			
					Jul	Aug	Sep	Oct
278	Underground UU and Reinstatement	45 days	02/04/18	16/05/18				
279	Section F -Urea Storage & Handling Facilities	488 days	01/05/17	31/08/18				
280	Urea Handling & Storage Plant House, Electrical Room & Pipe Rack	488 days	01/05/17	31/08/18				
281	BA 10 Application	10 days	01/05/17	10/05/17				
282	Excavation to Formation Level	14 days	11/05/17	24/05/17				
283	Plate Load Test	14 days	25/05/17	07/06/17				
284	Raft Foundation (Urea Handling Rm)	21 days	08/06/17	28/06/17				
285	Raft Foundation (Electrical Rm)	30 days	29/06/17	28/07/17				
286	Backfill	21 days	29/07/17	18/08/17				
287	Construct G/F	45 days	19/08/17	02/10/17				
288	Roof Construction	75 days	03/10/17	16/12/17				
289	Parapet Wall	21 days	17/12/17	06/01/18				
290	ABWF Works	120 days	07/01/18	06/05/18				
291	Building Service Installations	120 days	04/05/18	31/08/18				
292	Ready for BA 13 Application	0 days	31/08/18	31/08/18				
293	Plate Load Test	14 days	25/05/17	07/06/17				
294	Pipe Rack Foundation	28 days	08/06/17	05/07/17				
295	Supporting Tower (4 no.) (9.55m in Height)	60 days	06/07/17	03/09/17				
296	Pipe Rack Truss (3 no.)17.3m Span	60 days	04/09/17	02/11/17				
297	Section G - Demin. Plant Road & Modification at No. 4 CW Intake	273 days	01/01/18	30/09/18				
298	C.W Culvert System (Area C9b)	272 days	01/01/18	30/09/18				
299	Design, Approval & Consent	0 days	01/01/18	01/01/18				
300	Removal of paving block & ELS Installation	30 days	02/01/18	31/01/18				
301	Excavation to Formation Level with ELS Installation	45 days	01/02/18	17/03/18				
302	Construction of Blinding & Plinth	14 days	18/03/18	31/03/18				
303	Pipe Laying (2 pipes x ~45m)	30 days	01/04/18	30/04/18				
304	Construction of Thrust Box	14 days	01/05/18	14/05/18				
305	Water Test	8 days	15/05/18	22/05/18				
306	Backfill	21 days	23/05/18	12/06/18				
307	All underground Utilities	50 days	13/06/18	01/08/18				
308	Backfill & Reinstatement & Formation of Access	60 days	02/08/18	30/09/18				
309	Modification Works - No. 4 C.W. Intake & No.3 C.W. Outfall	181 days	01/01/18	30/06/18				
310	No. 3 C.W. Outfall Modification	90 days	01/01/18	01/04/18				
311	No. 4 C.W. Intake Modification	122 days	01/03/18	30/06/18				
312	Section H1 - Gas Support foundation & trench at Area C11	405 days	01/11/16	10/12/17				
313	GRS Support Foundation	405 days	01/11/16	10/12/17				
314	Temporary Protection, advance work etc	45 days	01/11/16	15/12/16				
315	Gas Pipe Footing	180 days	16/12/16	13/06/17				
316	Gas Pipe Trench	180 days	14/06/17	10/12/17				
317	Section H2 - GRS Improvement work at Area C10	441 days	01/09/17	15/11/18				
318	GRS Area Improvement Works	441 days	01/09/17	15/11/18				
319	Retaining Wall Construction	90 days	01/09/17	29/11/17				
320	Removal of Surcharge and Backfill	45 days	30/11/17	13/01/18				
321	Footing Construction	240 days	14/01/18	10/09/18				
322	Topping up, finish and Misc. Works	66 days	11/09/18	15/11/18				
323	Section H3 - L10 Chimney Flue and A&A L9 & pipe rack formation	388 days	24/10/17	15/11/18				
324	No.4 Chimney Steel Flue	318 days	01/01/18	15/11/18				
325	Consent, documentation and site preparation	0 days	01/01/18	01/01/18				
326	Steel Flue Preparation & installation	150 days	02/01/18	31/05/18				
327	Install Steel Cover at Windshield	45 days	01/06/18	15/07/18				
328	Install Steel Cover at Roof	30 days	16/07/18	14/08/18				
329	Modification & Reinstatement Works	55 days	15/08/18	08/10/18				
330	E & M Installation	38 days	09/10/18	15/11/18				
331	MSB Unit 9 Pipe Rack Construction	90 days	24/10/17	21/01/18				
332	Section I1 - Link Bridge & associated A&A	455 days	01/01/18	31/03/19				
333	Link Bridge	455 days	01/01/18	31/03/19				

ID	Task Name	Duration	Start	Finish	3rd Quarter			
					Jul	Aug	Sep	Oct
334	Design & Shop Drawings	90 days	01/01/18	31/03/18				
335	Access	0 days	17/11/18	17/11/18				
336	Site preparation	14 days	18/11/18	01/12/18				
337	Link Bridge between Unit L9 & L10	120 days	02/12/18	31/03/19				
338	Section I2 - Shunt Reactor SR4 Foundation	90 days	01/01/19	31/03/19				
339	Shunt Reactor Compound SR4	90 days	01/01/19	31/03/19				
340	Modification Work at Shunt Reactor SR4	90 days	01/01/19	31/03/19				
341	Section I3 - All remaining work except deferred works	417 days	08/02/18	31/03/19				
342	Remaining Works	417 days	08/02/18	31/03/19				
343	Demolition of Canopy @ Jetty Guard Hose & Toilet)	30 days	02/08/18	31/08/18				
344	Demolition of Existing Contractor Shed	60 days	01/09/18	30/10/18				
345	Security Fence Erection	20 days	31/10/18	19/11/18				
346	All External Works & Road Works	417 days	08/02/18	31/03/19				
347	Deferred Works - L10 MSB and HRSG	417 days	08/02/18	31/03/19				
348	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				
349	Construction of Walls and Ceilings of Lube Oil Tank Room at L10 MSB	92 days	01/05/18	31/07/18				
350	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				
351	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				
352	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				
353	Removal of Temporary Paving Within L10 HRSG Area to Expose all respective Equipment Foundations	14 days	01/08/18	14/08/18				
354	Construction of Foundation Plinths and Walls of Lube Oil Storage Tank	93 days	15/08/18	15/11/18				
355	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				
356	Deferred Works - External Works	182 days	01/10/18	31/03/19				
357	Final Reinstatement of Access Roads and Pavement Surrounding and within L10 MSB and L10 HRSG Area	151 days	01/10/18	28/02/19				
358	FSD Inspection	14 days	02/03/19	15/03/19				
359	BD OP Inspection	14 days	18/03/19	31/03/19				
360	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				
361	275kV Cable Diversion	1127 days	01/05/17	31/05/20				
362	Part I (1km in Length, 1.1m to 1.5m Deep) (Works in existing Trench)	426 days	01/05/17	30/06/18				
363	Tentative Commencement Date Of Civil Works	0 days	01/05/17	01/05/17				
364	Implementation of TTA	7 days	01/05/17	07/05/17				
365	Remove the Concrete Road Cover	60 days	08/05/17	06/07/17				
366	Cable Trench Re-excavation	208 days	07/06/17	31/12/17				
367	Completion Date of Trench Excavation for Site Handover	0 days	31/12/17	31/12/17				
368	Tentative Period for Backfilling and Road Reinstatement (Excluding Joint Bay and Trench at Station Road)	91 days	01/04/18	30/06/18				
369	Part II (630m in Length, 1.1m to 1.5m Deep) (Works in existing Trench)	485 days	01/11/17	28/02/19				
370	Tentative Commencement Date Of Civil Works	0 days	01/11/17	01/11/17				
371	Implementation of TTA	7 days	01/11/17	07/11/17				
372	Remove the Concrete Road Cover	32 days	08/11/17	09/12/17				
373	Trench Excavation and Installation of Road Decking at Joint Bay (Including Part I & II)	90 days	25/11/17	22/02/18				
374	Cable Trench Re-excavation	190 days	23/02/18	31/08/18				
375	Completion Date of Trench Excavation for Site Handover	0 days	31/08/18	31/08/18				
376	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				
377	Part III (400m in Length, 1.3m to 1.5m Deep) (Works in New Trench)	518 days	01/07/18	30/11/19				
378	Tentative Commencement Date Of Civil Works	0 days	01/07/18	01/07/18				
379	Implementation of TTA	7 days	01/07/18	07/07/18				

ID	Task Name	Duration	Start	Finish	3rd Quarter			
					Jul	Aug	Sep	Oct
380	Remove the Concrete Road Cover	30 days	08/07/18	06/08/18				
381	Cable Trench Excavation with shoring	270 days	07/08/18	03/05/19				
382	Construction of New Joint Bay	28 days	04/05/19	31/05/19				
383	Completion Date of Trench Excavation for Site Handover	0 days	31/05/19	31/05/19				
384	Tentative Period for Backfilling and Road Reinstatement (excluding new slab but including SJ3)	91 days	01/09/19	30/11/19				
385	Part IV (Hand Dig Tunnel) + Defer portion	701 days	01/07/18	31/05/20				
386	Tentative Commencement Date Of Civil Works	0 days	01/07/18	01/07/18				
387	Excavation to Approx. +5mPD	30 days	01/07/18	30/07/18				
388	Existing Drainage Diversion	50 days	31/07/18	18/09/18				
389	Construction of New Cable Joint Bay	30 days	19/09/18	18/10/18				
390	Ramp Trench	75 days	19/10/18	01/01/19				
391	Formation of Temp. Cable Pit	45 days	02/01/19	15/02/19				
392	Hand Dig Tunel (17.6m) (0.2-0.3m/day)	75 days	16/02/19	01/05/19				
393	Excavation for Duct Bank Construction	60 days	02/05/19	30/06/19				
394	Completion Date of Trench Excavation for Site Handover	0 days	30/06/19	30/06/19				
395	Deferred Works - Cable Diversion CPX1 and CPX2 (during DLP)	274 days	01/09/19	31/05/20				
396	Formation of Wall Opening between existing trench CPX1 and new Joint Bay	7 days	01/09/19	07/09/19				
397	Breaking up for Road Paving and Excavation down to Cable Tiles of Existing Trench CPX2	31 days	01/12/19	31/12/19				
398	Demolition of Existing Trench CPX1 and CPX2	30 days	01/04/20	30/04/20				
399	Final Reinstatement of the CPX1 and CPX2 Areas	31 days	01/05/20	31/05/20				
400	Deferred Works - Shunt Reactor Compound SR4 (during DLP)	153 days	01/07/19	30/11/19				
401	Trench Re-excavation and Cable Supports Installation for Shunt Reactor Compound SR4	62 days	01/07/19	31/08/19				
402	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		
		Aug	Sep	Oct
	Erection Key Date			
A	HRSG PORTION			
A-01	Install Casing (Bottom/Side/Top) with Structure		Template	
A-02	Upper/Lower Connection Pipe			
A-03	Module Install (Bundle Tube Block)			
A-04	Down Commer Pipe			
A-05	Drum Lifting / HDR Level Adjustment			
A-06	Critical Piping/connecting piping (Main Steam, Aux, R/H, HP/LP Feed Water)			
A-07	Other piping			
A-08	Access Platform / Hand Rail			
A-09	Inside Baffle Plate & Seismic Tie Adjust / Setting			

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

No.	Description	2017		
		Aug	Sep	Oct
	Erection Key Date			
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			
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		
		Aug	Sep	Oct
	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			
B-2	Condenser			
B-3	Install ST			

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

No.	Description	2017		
		Aug	Sep	Oct
	Erection Key Date			
B-4	Install GEN			
B-5	Install GT			

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

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

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

No.	Description	2017		
		Aug	Sep	Oct
	Erection Key Date			
C-4	INSTRUMENTS, INSTR. PIPINGS & AIR TUBE			
	Local Instruments, Piping & Tubing			
	Instrument Calibration			
C-5	OTHER WORK			
	275kV Shunt Reactor Relocation			
	Turbine Overhead Crane, Hoist, Battery Power Supply			
	Existing CWP etc.			
	BOP & Other Works		 GIS D5 Area	
	Site Cleaning			
C-6	TESTING & COMMISSIONING			
	Testing & Commissioning			
	Commissioning Assistant			

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		
					Gantt Chart Area												M9	M10	M11
																	八月	九月	十月
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
Rev 1 (28 Feb 2017)

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		
					M9	M10	M11	八月	九月	十月
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						

Master Programme
Rev 1 (28 Feb 2017)

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
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

2017年

2018年

