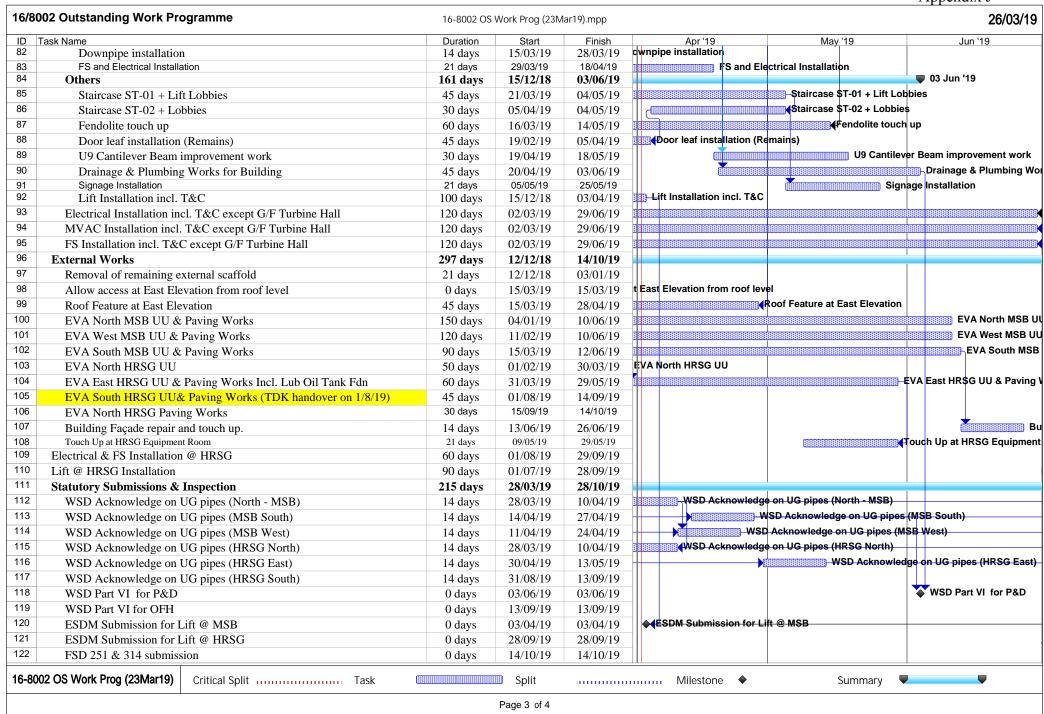
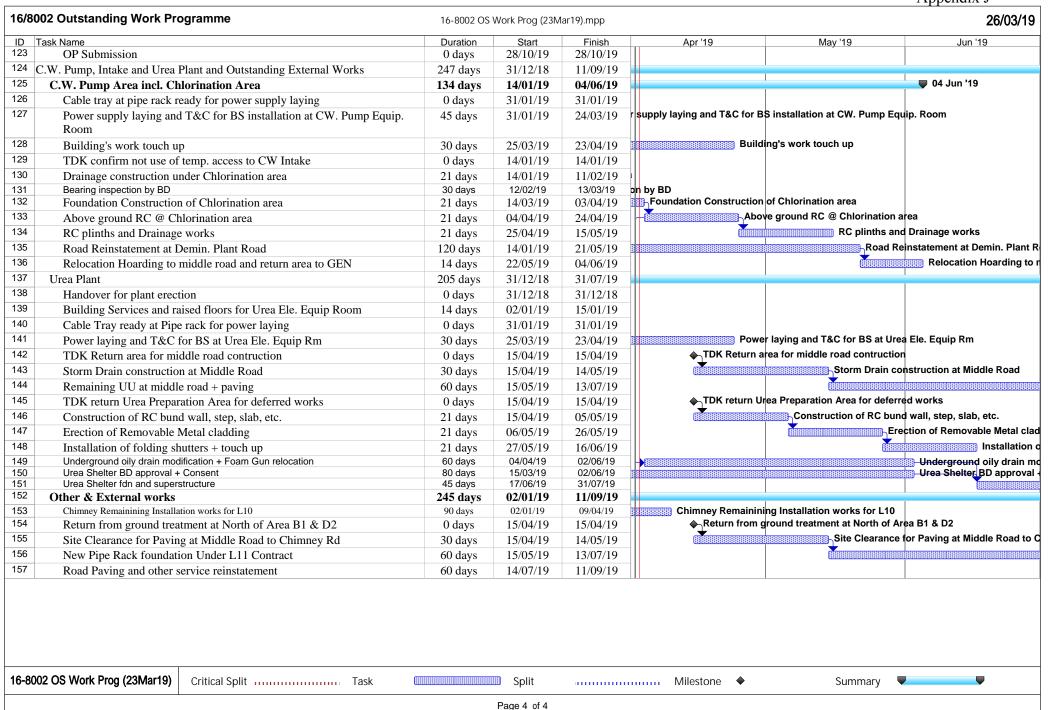
	Task Name	Duration	Start	Finish	Apr '19 May '19 Jun '19
1	16/8002 Unit 10 Outstanding Work Programme	322 days	01/12/18	28/10/19	
2	Superstructure	246 days	01/12/18	13/08/19	Mar 140
3	Upper Roof	107 days	01/12/18	27/03/19	/ Mar '19
4	Tiling works	30 days	01/12/18	01/01/19	
5	Remaining Waterproofing + screed + touch up	14 days	16/01/19	29/01/19	
6	Finishing for lift machine room except defer works	21 days	02/01/19	22/01/19	dh da ana 9 actio ddan
7	Installation remaining handrails & hatch doors & catladder	21 days	23/01/19	20/02/19	dh doors & catladder
8	Miscellansous work & cleaning after plant erection clearance	35 days	21/02/19	27/03/19	scellansous work & cleaning after plant erection clearance
9	5/F	125 days	09/01/19	21/05/19	■ 21 May 19
10	Complete Vent fan support @ rooflight	35 days	15/01/19	26/02/19	> bflight
11	Installation of internal enclosure @ rooflight	14 days	27/02/19	12/03/19	nal enclosure @ rooflight
12	Removal of scaffold insider Rooflights	30 days	01/04/19	30/04/19	Removal of scaffold insider Rooflights
13	Complete & touch up rooflights façade	10 days	01/05/19	10/05/19	Complete & touch up rooflights façade
14	Remaing Waterproofing + screed	21 days	09/01/19	29/01/19	
15	Touch up painting & floor joints	21 days	30/01/19	27/02/19	\$
16	Construction of defer RC wall & feature at north of Air filter Inlet	45 days	07/04/19	21/05/19	Construction of defer RC wall & fea
17	Complete pump room for FS installation	21 days	30/01/19	27/02/19	stallation
18	Complete Air Filter Plant Room	21 days	28/02/19	20/03/19	Air Filter Plant Room
19	Installation of GRS Water Tanks & Plumbing works	30 days	21/03/19	19/04/19	Installation of GRS Water Tanks & Plumbing works
20	Installation of Stainless Steel Pole	7 days	13/04/19	19/04/19	hstallation of Stainless Steel Pole
21	Touch up remaining metal works	14 days	28/02/19	13/03/19	ing metal works
22	Miscellansous work & cleaning after plant erection clearance	14 days	08/05/19	21/05/19	Miscellansous work & cleaning after
23	4/F	101 days	21/01/19	09/05/19	■ 09 May '19
24	Installation of grating & handrail to overhead crane walkway	45 days	21/01/19	15/03/19	rating & handrail to overhead crane walkway
25	TDK remove scaffolding for step installation	0 days	15/03/19	15/03/19	a <mark>f</mark> folding for step installation
26	Installation of steps & Handrail to overhead crane walkway	14 days	15/03/19	28/03/19	stallation of steps & Handrail to overhead crane walkway
27	Touch up remaining metal works	14 days	29/03/19	11/04/19	Touch up remaining metal works
28	Touch up painting	14 days	12/04/19	25/04/19	Touch up painting
29	Miscellansous work & cleaning after plant erection clearance	14 days	26/04/19	09/05/19	Miscellansous work & cleaning after plant erec
30	3/F	105 days	01/03/19	13/06/19	■ 13 Jun '19
31	Delivery and Installation of fire proof window (Re-work)	70 days	01/03/19	09/05/19	Delivery and Installation of fire proof window (
32	Finishing touching up works at viewing gallery	14 days	10/05/19	23/05/19	Finishing touching up works at v
33	Touch up remaining metal works	14 days	10/05/19	23/05/19	Touch up remaining metal works
34	Touch up painting at other areas	7 days	24/05/19	30/05/19	Touch up painting at othe
35	Miscellansous work & cleaning after plant erection clearance	14 days	31/05/19	13/06/19	Miscellanso
36	2/F	42 days	08/03/19	18/04/19	■ 18 Apr '19
37	Installation of grating & handrail to overhead crane walkway	21 days	08/03/19	28/03/19	stallation of grating & handrail to overhead crane walkway
38	Miscellansous work & cleaning after plant erection clearance	21 days	29/03/19	18/04/19	Miscellansous work & cleaning after plant erection clearance
39	1/F	66 days	15/01/19	29/03/19	29 Mar '19
40	Complete IBP installation and return site from TDK	0 days	15/01/19	15/01/19	
	Complete IDT instanation and feturit site from TDK	0 days	13/01/19	13/01/19	

26/03/1			ar19).mpp	Work Prog (23M	16-8002 OS	Outstanding Work Programme	/8002
Jun '19	May '19	Apr '19	Finish	Start	Duration	k Name	Task
	oading Bay	t ladder installation at Loadin	26/02/19	15/01/19	35 days	Durasteel steel partition and cat ladder installation at Loading Bay	1
		netal works	08/03/19	16/02/19	21 days	Touch up remaining metal works	2
	eaning after plant erection clearance	/liscellansous work & cleanin	29/03/19	09/03/19	21 days	Miscellansous work & cleaning after plant erection clearance	3
01 Jul '1			13/08/19	01/07/19	44 days	M/F +12.15mPD Mainenance Platform	4
			01/07/19	01/07/19	0 days	Plant erection clearance	5
			14/07/19	01/07/19	14 days	Floor Screeding	3
			13/08/19	15/07/19	30 days	Miscellaneous work & cleaning	7
			18/07/19	01/12/18	220 days	G/F	3
			06/01/19	15/12/18	21 days	RC slabs at remaining rooms	9
			27/01/19	07/01/19	21 days	Toilets finishing Works)
			27/01/19	14/01/19	14 days	Installation of Shutter at South	1
			21/12/18	01/12/18	21 days	Lube Oil RC Walls	2
			06/01/19	22/12/18	14 days	Remaining RC entrance lobbies (NE & E)	3
		Plant ejection	06/03/19	06/03/19	0 days	Return Condenser from Plant ejection	1
	ondenser Area	naining Floor slabs at Conder	26/03/19	06/03/19	21 days	Remaining Floor slabs at Condenser Area	5
		-	06/03/19	24/02/19	10 days	Modify GL G-H/6 Bracing	3
	ion (G.L G~H)	ing Bay from Plant ejection (G	15/03/19	15/03/19	0 days	Return Unloading Bay from Plant ejection (G.L G~H)	7
	ng Bay (G.L. G~H)	n-Grade slab at Unloading Ba	28/03/19	15/03/19	14 days	On-Grade slab at Unloading Bay (G.L. G~H)	3
		ection of Shutter at East	27/03/19	22/03/19	6 days	Erection of Shutter at East	9
tion	rection + Defer Cladding at East elevat	Scaffold erection	13/04/19	15/03/19	30 days	Scaffold erection + Defer Cladding at East elevation)
on + Tiling	RC external walls at East Elevation		28/04/19	15/03/19	45 days	RC external walls at East Elevation + Tiling	1
-	TDK scaffold removal @ G/F		01/05/19	01/05/19	0 days	TDK scaffold removal @ G/F	2
n GRP tank above meter i	Installation		21/05/19	01/05/19	21 days	Installation GRP tank above meter room incl. plumbing system	3
nstall remaining Steel & n	In		30/05/19	01/05/19	30 days	Install remaining Steel & metalwork and drainage channel covers	4
Touch up re		-	13/06/19	31/05/19	14 days	Touch up remaining metal works	5
			29/06/19	31/05/19	30 days	Touch up painting	3
♦_ Return Unloadi			10/06/19	10/06/19	0 days	Return Unloading Bay from Plant ejection (G.L F~G)	7
Completic			16/06/19	10/06/19	7 days	Completion of floor slab @ unloading bay and touch up	3
			30/06/19	17/06/19	14 days	Install FS & Electrical work @ Unloading Bay	9
	10	■ 14 Apr '19	18/07/19	01/07/19	18 days	Miscellaneous work & cleaning	1
	19	14 Apr 19	14/04/19	21/01/19	76 days	Transformer Area	2
		e walls	21/01/19	21/01/19	0 days	Completion of Plant Installation	3
	ding Comices	Installation of Building	18/02/19	21/01/19	21 days	Installation of Roofing and Fence Louvre walls	4
	of scaffoldings		04/04/19	19/02/19	45 days	Installation of Building Services	
			14/04/19	05/04/19	10 days	Removal of scaffoldings	5
	Apr 19	■ 18 Apr '19	18/04/19	14/01/19	87 days	Link Bridge	5
			23/01/19	14/01/19	10 days	Scaffold erection	7
		Fine mentition 0 interest	21/02/19	24/01/19	21 days	Roof Cladding	3
		Fire partition & interr	07/04/19	22/02/19	45 days	Fire partition & internal panels	9
	al Cladding Panels	Vertical Cla	17/04/19	08/04/19	10 days	Vertical Cladding Panels)
			14/03/19	22/02/19	21 days	Floor tiles	1







Nic	Description		2019	
No.	Description			Jun
	Erection Key Date			S
			Syr	chr
		(5)	
		HR	SG	
			s in Iay	
			lay	
Α	HRSG PORTION			
A-01	Install Casing (Bottom/Side/Top) with Structure			
		Bott		
A-02	Upper/Lower Connection Pipe			
A-03	Module Install (Bundle Tube Block)			
A-04	Down Commer Pipe			
A-05	Drum Lifting / HDR Level Adjustment			
A-06	Critical Piping/connecting piping (Main Steam, Aux, R/H, HP/LP Feed Water)			
A-07	Other piping			
A-08	Access Platform / Hand Rail			
A-09	Inside Baffle Plate & Seismic Tie Adjust / Setting			
A-10	SCR System			



No.	Description	Λ := :-	2019	
	Erection Key Date	Apr	iviay	Jun S
			Syr	nchr O
		Ga	SG s in May	
				•
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		Final	
A-16	Insulation			•
A-17	Painting			
A-18	Install Catalyst			
A-19	Steam Blowing out(other scope) & alkaline boiling out			



No. Description Erection Key Date Installation of Temporary piping, Support & Silencer Excection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser Excent of Steam boiling out B-1 Turbine O/H Crane B-2 Lube Install Fina				2010
Installation of Temporary piping, Support & Silencer Excection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser	No.	Description		
Installation of Temporary piping, Support & Silencer Excection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser		Erection Key Date		6
Installation of Temporary piping, Support & Silencer Excection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser				Synchr
Installation of Temporary piping, Support & Silencer Excection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser				0
Installation of Temporary piping, Support & Silencer Excection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser			(
Installation of Temporary piping, Support & Silencer Excection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser				
Excection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser B-3 Install ST				
Excection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser B-3 Install ST				
Excection of Steam blowing out Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser B-3 Install ST				
Dismantle of Temporary iping, Support & Silencer Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser B-3 Install ST		Installation of Temporary piping, Support & Silencer		
Excection of Steam boiling out B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser B-3 Install ST		Excection of Steam blowing out		•
B GT/ST/GEN PORTION B-1 Turbine O/H Crane B-2 Condenser B-3 Install ST Lube Install		Dismantle of Temporary iping, Support & Silencer		•
B-1 Turbine O/H Crane B-2 Condenser B-3 Install ST Lube Install		Excection of Steam boiling out		-
B-2 Condenser B-3 Install ST Lube Install	В	GT/ST/GEN PORTION		
B-3 Install ST Lube Install	B-1	Turbine O/H Crane		
Lube Install	B-2	Condenser		
Lube Install				
Install	B-3	Install ST		
Install				Lube
Fina			Insta	II
			Fina	



No.	Description	2019 Apr May Jun
	Erection Key Date	9
		Synchr
		HRSG Gas in
		1-May
B-4	Install GEN	GT S
		Seal Oil Flushir
B-5	Install GT	+
		P/T
	I	' / '



No.	Description	Apr	2019 May	Jun
	Erection Key Date	7 (5)		3
			Syn	chr
		(
		Ga	SG s in lay	
		\diamondsuit		
B-6	Aux Equipment			
		-		
	· ·			
B-7	Insulation			
B-8	Painting			
B-9	Switchgear/Hoist/Hoist for condenser			



No.	Description		2019	
INO.		Apr	May	Jun
	Erection Key Date		(s)
			Syn	chr
)
		(9)	
			SG s in	
			lay	
C	ERECTRICAL & 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			
	Cable Laddel / Tray Installation			
	Conduit Pipe Installation			
	Earthing Installation			
	Cable Laying & Termination			
	Fire Resistant Sealing			
	Cable Trench Opening & Transportation	<u> </u>		
L	!	-		



No.	Description	Apr	2019 May Jun
	Erection Key Date	HR Ga	Synchr o SG s in
C-4	INSTRUMENTS, INSTR. PIPINGS & AIR TUBE Local Instruments, Piping & Tubing Instrument Calibration		
C-5	OTHER WORK 275kV Shunt Reactor Relocation Turbine Overhead Crane, Hoist, Battery Power Supply Existing CWP etc. BOP & Other Works Site Cleaning		
C-6	TESTING & COMMISSIONING Testing & Commissioning Commissioning Assistant		

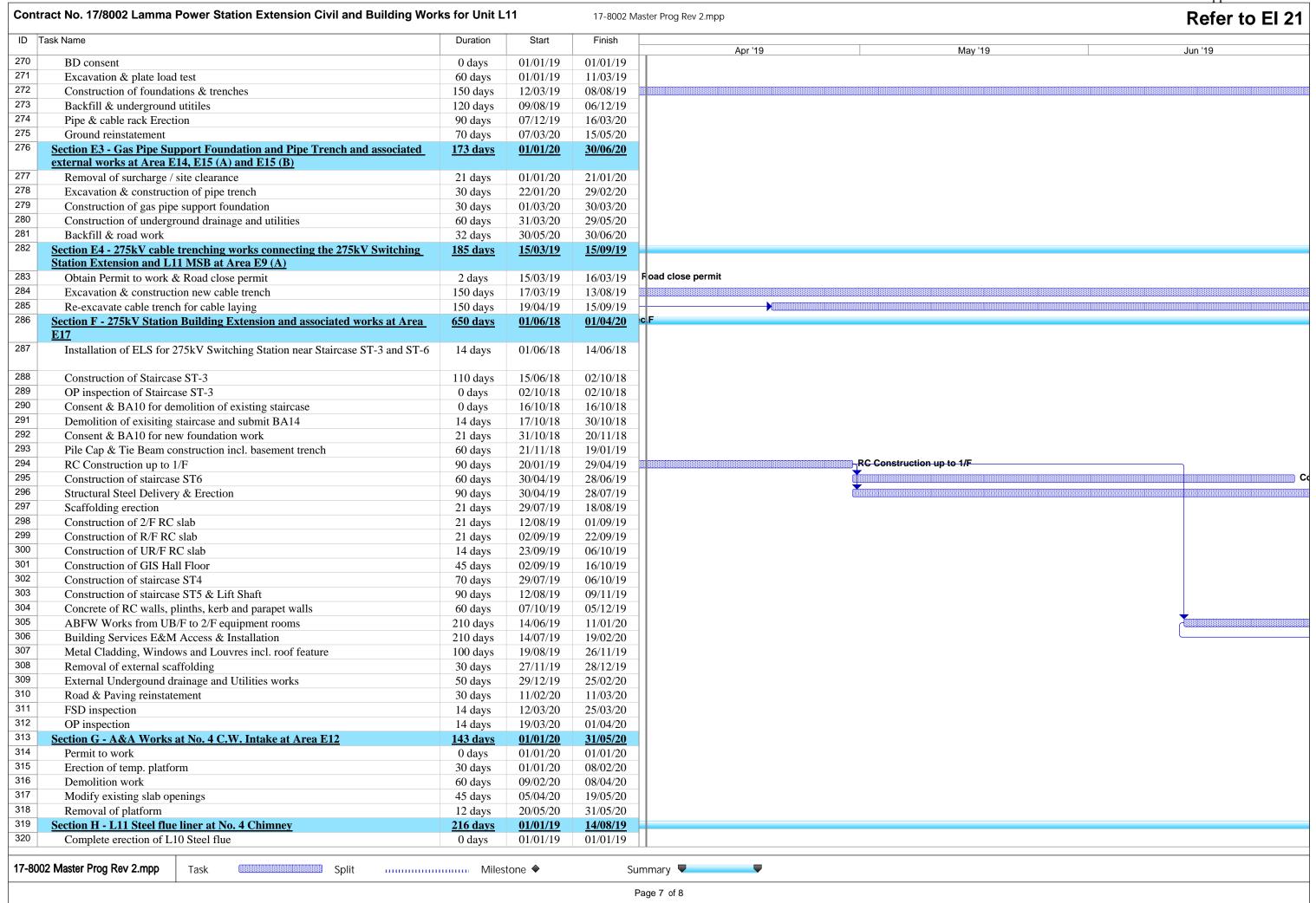
Contract No. 17/8002 Lamma Power Station Extension Civil and Building Works for Unit L11			17-8002 N	aster Prog Rev 2.mpp		Refer to El 21	
ID	Task Name	Duration	Start	Finish	Apr '19	May '19	Jun '19
1	Civil and Building Works for Unit 11 and Assoicated Works	1197 days	01/06/18	30/09/21	, p. 19	may 10	Çanı 10
2	Contract Key Dates	<u>1197 days</u>	<u>01/06/18</u>	30/09/21			
3	Contract Commencement Date	0 days	01/06/18	01/06/18			
4	Section A1 - Ground treatment installation works at Zone 1A	0 days	31/10/18	31/10/18			
5	Section A2 - Ground treatment installation works at Zone 1B	0 days	31/10/18	31/10/18			
6	Section A3 - Ground treatment installation works at Zone 2	0 days	31/01/19	31/01/19			
7	Section A4 - Ground treatment installation works at Zone 3	0 days	31/01/19	31/01/19			
8	Section A5 (i) - Ground treatment installation works at Zone 4 - Band drain installation	0 days	31/01/19	31/01/19			
9	Section A5 (ii) - Ground treatment installation works at Zone 4 - Surcharge filling	0 days	30/09/20	30/09/20			
10	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	0 days	31/05/20	31/05/20			
11	Section A6 (ii) - External works at Area E15	0 days	15/02/20	15/02/20			
12	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	0 days	01/12/19	01/12/19			
13	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB including the associated roof structure except the roof deferred works	0 days	01/12/19	01/12/19			
14	Section B1 (iii) - FSRU Civil works at Area E13	0 days	31/05/21	31/05/21			
15	Section B2 - Retractable Cover D at Area E22	0 days	31/12/19	31/12/19			
16	Section B3 - External works at Area B1, D2 and D4	0 days	06/01/20	06/01/20			
17	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)	0 days	15/12/19	15/12/19			
18	Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area E7 except the deferred works for Lube Oil Storage Tank	0 days	01/11/19	01/11/19			
19	Section C2 - (ii) L11 Turbo Block foundation including the L11 MSB ground floor together with the equipment foundations between GL 11-F to 11-H and 11-1 to 11-6 for the installation of power generator, air inlet duct and lube oil reservoir	0 days	15/02/20	15/02/20			
20	Section C2 - (iii) G/F of L11 MSB including the Condenser Pit, Circulating Water Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-1 to 11-6 for the installation of condenser	0 days	15/12/19	15/12/19			
21	Section D - (i) Roads and external grounds surrounding L11 MSB and L11 HRSG in addition to the southern & eastern areas mentioned above in Area E5 and E6	0 days	15/02/20	15/02/20			
22	Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding in Area E6	0 days	15/02/20	15/02/20			
23	Section D - (iii) Whole of L11 MSB including the pipe and cable rack along south façade of L11 MSB with all underground utilities at Area E4 including C.W. Inlet and Outlet Culvert except the deferred works	0 days	15/02/20	15/02/20			
24	Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of L11 MSB including their associated alternations & additions (A&A) Works at L10 MSB	0 days	15/02/20	15/02/20			
25	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20	0 days	15/02/20	15/02/20			
26	Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to the western area of L11 MSB at Area E3	0 days	31/05/20	31/05/20			
27	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	0 days	30/06/20	30/06/20			
28	Section E1 - (iii) External Works at Area E15 (C)	0 days	28/02/21	28/02/21			
29	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and Pipe and Cable Rack at south of Middle Road at Area E8 and E19	•	15/05/20	15/05/20			
30	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)	0 days	30/06/20	30/06/20			
31	Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)	0 days	15/09/19	15/09/19			
17-80	002 Master Prog Rev 2.mpp Task Split Split	Miles	tone •	Su	ımmary \blacksquare		

Page 1 of 8

Cor	tract No. 17/8002 Lamma Power Station Extension Civil and Building Work	s for Unit L	11	17-8002 M	Refer	Refer to El 21		
ID	Task Name	Duration	Start	Finish				
32	Section F - 275kV Station Building Extension and associated works at Area E17	0 days	01/04/20	01/04/20	Apr '19	May '19	Jun '19	
33	Section G - A&A Works at No. 4 C.W. Intake at Area E12	0 days	31/05/20	31/05/20				
34	Section H - L11 Steel flue liner at No. 4 Chimney	0 days	14/08/19	14/08/19				
35	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	0 days	15/05/20	15/05/20				
36	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	0 days	15/05/20	15/05/20				
37	Section J - (i) Demolition of Retractable Cover A&B & (ii) Foundation of LMX Light Oil Storage Tank Nos. 3 & 4 and A&A for Existing Bund Wall at Area	0 days	30/04/21	30/04/21				
38	Section K1 - External works at Area 15 (E) and 15(F)	0 days	31/05/21	31/05/21				
39	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D7	0 days	31/05/21	31/05/21				
40	Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	0 days	30/09/21	30/09/21				
41	General & Preliminary	272 days	01/06/18	09/03/19				
42	Set up Temporary Site Office and Utilities	90 days	01/06/18	29/08/18				
43	Permit Applications & Statuary Submissions	120 days	30/08/18	27/12/18				
44	Existing Utilities scanning & Excavation Permit	45 days	13/11/18	27/12/18				
45	Tower Crane erection 2@MSB, 1@ 275	60 days	30/12/18	09/03/19	75			
46	Submission and Approval	554 days	01/06/18	16/12/19				
47	Method Statement / Temp Work Submission & Approval from HEC for General Works	240 days	01/06/18	26/01/19				
48	BD Approval & Consent (If required)	120 days	01/06/18	28/09/18				
49	BIM Model, CSD & CBWD Submission & Approval from HEC	200 days	29/09/18	26/04/19		BIM Model, CSD & CBWD Submission &	Approval from HEC	
50	Structure Steelwork Connection Design Submission & BD Approval	60 days	29/09/18	27/11/18				
51	Structure Steelwork Shop Drawing & Approval	60 days	13/10/18	11/12/18				
52	Metal Cladding, louvre & windows submission & BD Approval	60 days	28/11/18	26/01/19				
53	Metal Cladding, louvre & windows shop drawing submission	60 days	12/12/18	19/02/19			15 11 (0.0) 11 01	
54	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	180 days	27/10/18	04/05/19			and Delivery (S. Steel & Cladding & louvres)	
55	Retractable Cover D BD Submission & Approval	90 days	20/02/19	20/05/19		,	Retractable Cover D BD Submission & Approval	
56	No. 4 C.W. Outfall A&A BD approval	90 days	30/08/18	27/11/18				
57	Sumission & Approval of Steel Flue Assessment Report and Design Drawings	60 days	30/09/18	28/11/18				
58	Submission and Approval of Steel Flue Design from BD	60 days	30/09/18	28/11/18				
59	Material Fabrication & Delivery for L11 Flue	100 days	15/10/18	22/01/19				F-1-1' Ob
60	Folding Shutters Shop Drawing Submission & Approval	120 days	20/02/19	19/06/19				Folding Shutters
61	Fabrication & Delivery of Folding Shutters	150 days	20/06/19	16/11/19				Sewage Pump S
62	Sewage Pump System Design submission & approval	90 days	22/03/19	19/06/19				Sewage Fullip S
64	Fabrication & Delivery of Sewage Pump Other material submission & approval & delivery	180 days	20/06/19 30/08/18	16/12/19 05/07/19			<u>u</u>	
65	Coordination with the Employer's Specialist Contractors	300 days 438 days	22/02/19	15/05/20				
66	Installation of Puddle Pipes at C.W. outlet Culvert	7 days	22/02/19	28/02/19				
67	Installation of Puddle Pipes at C.W. Inlet Culvert	7 days	29/04/19	05/05/19		Installation of Puddle Pip	es at C.W. Inlet Culvert	
68	Template setting at L11 Turbo Block Foundation	60 days	15/11/19	15/01/20		,		
69	Template setting of holding down bolts at HRSG column base	46 days	26/07/19	09/09/19				
70	I-beam / channel base installation on top of transformer foundations at Transformer Area	30 days	15/12/19	15/01/20				
71	Overhead crane erection at turbine hall using access through a temporary opening at L11 MSB roof between GL11-G to 11-H and 11-2 to 11-6	36 days	01/12/19	07/01/20				
72	Condenser assembly and erection using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-B to 11-C including a clear space below 1/F between GL 11-B to 11-C	127 days	15/12/19	30/04/20				
73	Installation of power train equipment including air inlet duct using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-F to 11-H including a clear space below 1/F of the above area	142 days	15/12/19	15/05/20				
17-8	002 Master Prog Rev 2.mpp Task Split	Miles	tone •	Su	mmary \blacksquare			
				F	age 2 of 8			

Cont	ract No. 17/8002 Lamma Power Station Extension Civil and Building Worl	ks for Unit L	.11	17-8002 M	Refer to El 21		
ID	Task Name	Duration	Start	Finish	Apr. 140	Mov.!40	lue 140
126	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB	385 days	01/11/18	01/12/19	Apr '19	May '19	Jun '19
	including the associated roof structure except the roof deferred works	eoc days	01/11/10	01/12/12			
127	Area possession & Clearance	0 days	01/11/18	01/11/18			
128	Erection of turbine hall roof except defer work	0 days	11/10/19	11/10/19			
129	Installation of crane griders	21 days	12/10/19	01/11/19			
130	Turbine hall wall claddings	60 days	02/10/19	01/12/19			
131	Section B1 (iii) - FSRU Civil works at Area E13 (GRS)	<u>151 days</u>	01/01/21	31/05/21			
132	Submission and approval for consent to work	0 days	01/01/21	01/01/21			
133	Civil & Building Works	130 days	01/01/21	10/05/21			
134	Ground reinstatement	21 days	11/05/21	31/05/21			
135	Section B2 - Retractable Cover D at Area E22	<u>353 days</u>	<u>01/01/19</u>	<u>31/12/19</u>			
136	Area Possession, Demolition and clearance work	60 days	01/01/19	11/03/19	i clearance work		
137	Foundation construction	75 days	12/03/19	25/05/19			Foundation construction
138	Backfill & Ground statement	20 days	26/05/19	14/06/19			Backfill & Ground stater
139	Superstructure fabrication & delivery	88 days	21/05/19	16/08/19			
140	Superstructure erection	90 days	17/08/19	14/11/19			
141	E&M Installation and T&C	45 days	15/11/19	31/12/19			
142	Section B3 - External works at Area B1, D2 and D4	<u>359 days</u>	01/01/19	<u>06/01/20</u>			
143	Receive Area from HKE, Area Possession & Clearance	0 days	01/01/19	01/01/19			
144	Removal of existing paving for band drain under Section A5(i)	30 days	01/01/19	30/01/19			
145	Complete Vert. Band drain under Section A5(i)	0 days	31/01/19	31/01/19			
146	Ground preparation for B1, D2 & D4	60 days	06/11/19	06/01/20			
147	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)	<u>399 days</u>	01/11/18	<u>15/12/19</u>	c C1		
148	Area Possession & Clearance	0 days	01/11/18	01/11/18			
149	Excavation for CW Outlet/Inlet Culvert (work parallel & after MSB ELS phase	40 days	15/01/19	05/03/19	k parallel & after MSB ELS phase 1)		
	1)						
150	Installation CW Inlet Culvert pipe (South of L11 Condensor)	21 days	15/02/19	07/03/19	ր of L11 Condensor)		
151	Installation CW Outlet Culvert Pipe connect to Type C1	21 days	06/03/19	26/03/19	tion CW Outlet Culvert Pipe connect to Type		
152	Construction of Thrust Box & Manholes,etc	14 days	27/03/19	09/04/19	Construction of Thrust Box	& Manholes,etc	
153	Backfill	21 days	10/04/19	30/04/19	(in the second s	Backfill	
154	Installation remain sheeetpile for future Outlet Culvert	30 days	01/05/19	30/05/19		(i)	Installation remain sheeetpile for future Outlet Cu
155	Construct Temp Paving for Condenser move in	30 days	15/11/19	15/12/19			
156	Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area	<u>295 days</u>	<u>01/01/19</u>	<u>01/11/19</u>			
	E7 except the deferred works for Lube Oil Storage Tank						
157	Area Possession & Clearance	0 days	01/01/19	01/01/19		-	
158	Excavation & Pile Caps & Tie Beams (HRSG South Area E7)	30 days	27/04/19	26/05/19			Excavation & Pile Caps & Tie Beams (HRSG South Area
159	Construction RC foundations	60 days	27/05/19	25/07/19			
160	Construction RC plinths	30 days	10/09/19	09/10/19			
161	Construction underground utilities	75 days	26/07/19	08/10/19			
162	Backfill & Construction on-grade slabs	30 days	25/09/19	24/10/19			
163	Backfill and Temporary paving	18 days	15/10/19	01/11/19	000		
164	Section C2 - (ii) L11 Turbo Block foundation including the L11 MSB ground	<u>421 days</u>	01/12/18	<u>15/02/20</u>	c C2(ii)		
	floor together with the equipment foundations between GL 11-F to 11-H and 11-1 to 11-6 for the installation of power generator, air inlet duct and lube oil						
	reservoir						
165	Area Possession & Clearance	0 days	01/12/18	01/12/18			
166	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block North)	65 days	30/12/18	14/03/19	ie Beams (MSBL11 - Turbo Block North)		
167	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block South)	45 days	15/03/19	28/04/19		Excavation & Pile Caps & Tie Bean	ns-(MSBL11 - Turbo Block South)
168	Backfill and construction turbine block foundation	21 days	29/04/19	19/05/19			Backfill and construction turbine block foundation
169	Construction of internal drainage	46 days	22/05/19	06/07/19			*
170	Construction RC walls incl. G/F rooms	45 days	12/10/19	25/11/19			
171	Construction turbine block columns and upper portion for plant embed installation	21 days	25/10/19	15/11/19			
172	Concrete Turbine upper part foundation & clear falsework	22 days	16/01/20	15/02/20			
17-80	02 Master Prog Rev 2.mpp Task Split Split	Miles	tone •	St	Immary -		
	·				Page 4 of 8		

Cont	tract No. 17/8002 Lamma Power Station Extension Civil and Building Wor	ks for Unit L	.11	17-8002 N	aster Prog Rev 2.mpp		Refer to EI 21
ID	Task Name	Duration	Start	Finish	Apr '19	May '19	Jun '19
221	Construction Defer Roof RC Slab (G.L. G-H)	12 days	15/12/19	28/12/19	Api 19	May 19	Jun 19
222	Construction of Staircase ST-01 & lift shaft & machine room	90 days	12/10/19	11/01/20	-		
223	Construction of Staircase ST-02 except defer work	75 days	30/09/19	13/12/19			
224	Construction of RC plinth, kerbs & parapet Walls	30 days	03/12/19	03/01/20			
225	Erection of Skylight & Roof Features	30 days	17/12/19	17/01/20			
226	Waterproofing	30 days	02/01/20	09/02/20			
227	ABFW Works from 1/F to 5/F equipment rooms	110 days	07/10/19	04/02/20			
228	Metal Cladding, Windows and Louvres incl. roof feature	115 days	08/10/19	10/02/20			
229	Removal of external scaffolding	30 days	03/01/20	10/02/20			
230	Building Services E&M Access & Installation	110 days	18/10/19	15/02/20			
231	Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of	451 days	01/11/18	15/02/20	c D(iv)		
	L11 MSB including their associated alternations & additions (A&A) Works at L10 MSB						
232	Area Possession & Clearance	0 days	01/11/18	01/11/18			
233	A&A works at South of L10 MSB	60 days	24/07/19	21/09/19			
234	Erection of link bridge structural steel	24 days	12/10/19	04/11/19	1		
235	Casting of bridge deck	5 days	05/11/19	09/11/19	1		
236	Metal roofing installation	21 days	10/11/19	30/11/19			
237	ABWF work	21 days 21 days	01/12/19	21/12/19			
238	Form new opening at MSB for final connection	10 days	22/12/19	02/01/20			
239	E&M Work	35 days	03/01/20	15/02/20			
240	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated	451 days	01/11/18	15/02/20	c D(v)		
	trench in Area E20	451 days	01/11/10	15/02/20			
241	Area Possession & Clearance	0 days	01/11/18	01/11/18			
242	Sheet pile installation & submit as-built	60 days	01/11/18	30/12/18			
243	Consent for excavation	30 days	31/12/18	29/01/19			
244	Excavation & plate load test	60 days	30/01/19	09/04/19	Excavation & plate load test		
245	Construction of foundation	45 days	10/04/19	24/05/19		Cons	truction of foundation
246	Backfill	21 days	25/05/19	14/06/19			Backfill
247	Remaining Pipe & cable rack and associated trenchs in Area E20	116 days	12/10/19	15/02/20			
248	Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to	143 days	01/01/20	31/05/20			
	the western area of L11 MSB at Area E3						
249	Area Possession	0 days	01/01/20	01/01/20			
250	Excavation & construction of new foundation	60 days	01/01/20	09/03/20			
251	Backfill	10 days	10/03/20	19/03/20			
252	Erection of Structural steel	20 days	01/05/20	20/05/20			
253	Ground Reinstatement	11 days	21/05/20	31/05/20			
254	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	<u>587 days</u>	<u>01/11/18</u>	30/06/20	c E1(ii)		
255	Area Possession	0 days	01/11/18	01/11/18	1		
256	Removal of Surcharge and excavation	18 days	01/01/20	18/01/20			
257	Modification of Site Drainage	35 days	19/01/20	02/03/20			
258	Construction of new RC for GRS Equipment Room	75 days	18/01/20	10/04/20			
259	ABWF for GRS Equipment room	45 days	11/04/20	25/05/20			
260	E&M Installation	45 days	16/05/20	29/06/20			
261	Construction of new Gas pipe plinths & racks	45 days	26/02/20	10/04/20			
262	Backfill and construction site drainage	21 days	11/04/20	01/05/20			
263	External Paving and install new fencing	60 days	02/05/20	30/06/20			
264	Section E1 - (iii) External Works at Area E15 (C)	273 days	01/06/20	28/02/21			
265	Removal of Surcharge and excavation	45 days	01/06/20	15/07/20			
266	Underground drianage, Utilities and RC plinths	123 days	16/07/20	15/11/20			
267	Backfill and install surface utilities	45 days	16/11/20	30/12/20			
268	Roadwork	60 days	31/12/20	28/02/21			
269	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and	480 days	01/01/19	<u>15/05/20</u>			
	Pipe and Cable Rack at south of Middle Road at Area E8 and E19						
<u>.</u>							
17-80	002 Master Prog Rev 2.mpp Task Split Split	Miles	stone 🔷	St	ımmary -		
	·				Page 6 of 8		



Contract No. 17/8002 Lamma Power Station Extension Civil and Building Works for Unit L11						
ID	Task Name	Duration	Start	Finish		
224	N. 110	21.1	01/01/10	21/01/10		
321	Modification of erection equipment	21 days	01/01/19	21/01/19		
322	Erection temp. platform and demolition work	30 days	22/01/19	02/03/19		
323	Structural steel delivery & Erection	90 days	03/03/19	31/05/19		
324	Removal of temp. work	45 days	01/06/19	15/07/19		
325	Reinstate G/F louvre wall and access door	30 days	16/07/19	14/08/19		
326	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	<u>232 days</u>	<u>15/09/19</u>	<u>15/05/20</u>		
327	Obtain Permit to work & Road close permit	0 days	15/09/19	15/09/19		
328	Excavation & construction new cable trench	160 days	16/09/19	04/03/20		
329	Re-excavate cable trench for cable laying	72 days	05/03/20	15/05/20		
330	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	275 days	01/04/20	31/12/20		
331	Obtain Permit to work & Road close permit	0 days	01/04/20	01/04/20		
332	Re-excavate & new cable trench for cable laying	275 days	01/04/20	31/12/20		
333	Section J - (i) Demolition of Retractable Cover A&B & (ii) Construction of	426 days	01/03/20	30/04/21		
	new LOT 3 & 4					
334	Obtain permit to work & Road close permit	0 days	01/03/20	01/03/20		
335	Erection of Hoarding	21 days	01/03/20	21/03/20		
336	Removal of existing cover & structural steel	30 days	22/03/20	20/04/20		
337	Demolish of existing bund wall and staircases	45 days	21/04/20	04/06/20		
338	Demolish of existing slab & foundation	60 days	05/06/20	03/08/20		
339	Consent for new work	30 days	04/08/20	02/09/20		
340	Construction of new bund wall and foundation	100 days	03/09/20	11/12/20		
341	Construction of new oil separator	80 days	23/09/20	11/12/20		
342	Construct underground drainage and surface channel	40 days	12/12/20	20/01/21		
343	Construction on-grade slab	60 days	21/01/21	21/03/21		
344	Removal of hoarding and ground reinstatement	40 days	22/03/21	30/04/21		
345	Section K1 - External works at Area 15 (E) and 15(F)	365 days	01/06/20	31/05/21		
346	Removal of surcharge	30 days	01/06/20	30/06/20		
347	Construct new drainage and utilities work	200 days	01/07/20	16/01/21		
348	Road & Paving	135 days	17/01/21	31/05/21		
349	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D7	<u>365 days</u>	01/06/20	31/05/21		
350	Demolition work	30 days	01/06/20	30/06/20		
351	Construct new drainage and utilities work	200 days	01/07/20	16/01/21		
352	Road & Paving	135 days	17/01/21	31/05/21		
353	Section K3 - All remaining works shall be completed for reporting completion	623 days	08/01/20	30/09/21		
	to BD and ready for OP inspection (PS1.4.4)					
354	Completion of remaining roof after over headcrane move in	30 days	08/01/20	15/02/20		
355	Construction of G/F Lube Oil Tank Room	61 days	01/06/20	31/07/20		
356	Construction of wall and staircase at G/F after Condensor Move in	139 days	15/05/20	30/09/20		
357	Construction of Durasteel Steel wall panel after IBP installation	32 days	15/05/20	15/06/20		
358	Construction of Transformer fence wall, cladding & associated FS services	122 days	01/09/20	31/12/20		
359	Final restatement of road & paving around MSB & HRSG	122 days	01/09/20	31/12/20		
360	Installation of trench covers and gratings after plant installation	151 days	01/10/20	28/02/21		
361	Backfill and reinstatement after 275kV cable laying	122 days	01/06/21	30/09/21		