ntra	ct No. 17/8002 Lamma Power Station Extension Civil and Building Works			17-8002	aster Prog Rev 3		Refer to CEM dated 26March20		
Tas	k Name	Duration	Start	Finish	Jan 2021	Feb 2021		Mar 2021	
Ci	il and Building Works for Unit 11 and Assoicated Works	1197 days	Fri 1/6/18	Thu 30/9/21	Jan 2021	100 2021			
	Contract Key Dates	<u>1197 days</u>	<u>Fri 1/6/18</u>	Thu 30/9/21					
	Contract Commencement Date	0 days	Fri 1/6/18	Fri 1/6/18					
	Completion Dates	1044 days	Wed 31/10/18	Thu 30/9/21					
	Section A1 - Ground treatment installation works at Zone 1A	0 days	Wed 31/10/13	8 Wed 31/10/18					
	Section A2 - Ground treatment installation works at Zone 1B	0 days	Wed 31/10/13	3Wed 31/10/18					
	Section A3 - Ground treatment installation works at Zone 2	0 days	Sun 17/3/19	Sun 17/3/19					
	Section A4 - Ground treatment installation works at Zone 3	0 days	Thu 21/3/19	Thu 21/3/19					
	Section A5 (i) - Ground treatment installation works at Zone 4 - Band drain installation	0 days	Thu 28/3/19	Thu 28/3/19					
	Section A5 (ii) - Ground treatment installation works at Zone 4 - Surcharge filling	0 days	Wed 30/9/20	Wed 30/9/20					
	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	0 days	Sat 28/3/20	Sat 28/3/20					
	Section A6 (ii) - External works at Area E15	0 days		Sat 15/2/20					
	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chinmey Road at Area E1 & E2	0 days		Sun 1/3/20					
	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB	0 days	Tue 17/3/20	Tue 17/3/20					
	including the associated roof structure except the roof deferred works	0.4	Man 21/5/21	Man 21/5/21					
	Section B1 (iii) - FSRU Civil works at Area E13	0 days		Mon 31/5/21					
	Section B2 - Retractable Cover D at Area E22	0 days		Tue 31/3/20					
	Section B3 - External works at Area B1, D2 and D4	0 days		Thu 30/4/20					
	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)	0 days	Sun 1/3/20	Sun 1/3/20					
	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	Sun 1/12/19	Sun 1/12/19					
	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	Thu 30/4/20	Thu 30/4/20					
	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	Sun 1/3/20	Sun 1/3/20					
	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	Tue 31/12/19	Tue 31/12/19					
	Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding in Area E6	0 days	Sun 1/3/20	Sun 1/3/20					
	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	Thu 30/4/20	Thu 30/4/20					
	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	Thu 30/4/20	Thu 30/4/20					
	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20	0 days	Sat 1/2/20	Sat 1/2/20					
	Section E1 - (i) Link Brldge and Pipe and Cable Rack connecting L11 MSB to the western area of L11 MSB at Area E3	0 days	Mon 28/9/20	Mon 28/9/20					
	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	0 days	Tue 30/6/20	Tue 30/6/20					
	Section E1 - (iii) External Works at Area E15 (C)	0 days	Sun 28/2/21	Sun 28/2/21			♦ Section E1 - (iii	External Works at Area E15	
	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and	0 days		Thu 17/9/20					
	Pipe and Cable Rack at south of Middle Road at Area E8 and E19 Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)	0 days	Tue 30/6/20	Tue 30/6/20					
	Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)	0 days	Sun 15/9/19	Sun 15/9/19					
	Section F - 275kV Station Building Extension and associated works at Area E17	0 days	Sat 30/5/20	Sat 30/5/20					
	Section G - A&A Works at No. 4 C.W. Intake at Area E12	0 dave	Sun 31/5/20	Sun 31/5/20					
	Section G - A&A works at No. 4 C.W. Infake at Area E12 Section H - L11 Steel flue liner at No. 4 Chimney	0 days 0 days		Mon 15/7/19					
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Contract No. 17/8002 Lamma Power Station Extension Civil and Building Works for Unit L11 Refer to CEM dated 26March2019 17-8002 Master Prog Rev 3 ID Task Name Start Finish Half Duration Jan 2021 Feb 2021 Mar 2021 36 Section I - (i) 275kV cable trenching works connecting the 275kV Switching Fri 15/5/20 Fri 15/5/20 0 days Station Extension and L11 MSB at Area E9 (B) 37 Section I - (ii) Interconnector 2 Trench Modification Works at Area E10 0 days Fri 15/5/20 Fri 15/5/20 38 Section J - (i) Demolition of Retractable Cover A&B & (ii) Foundation of 0 days Fri 30/4/21 Fri 30/4/21 LMX Light Oil Storage Tank Nos. 3 & 4 and A&A for Existing Bund Wall at 39 Section K1 - External works at Area 15 (E) and 15(F) 0 days Mon 31/5/21 Mon 31/5/21 40 Section K2 - Removal of Southern Bund and External Works at Area D5, D6 0 days Mon 31/5/21 Mon 31/5/21 and D7 41 Section K3 - All remaining works shall be completed for reporting completion 0 days Thu 30/9/21 Thu 30/9/21 to BD and ready for OP inspection 42 **General & Preliminary** Fri 1/6/18 Wed 24/4/19 318 days 43 Set up Temporary Site Office and Utilities 90 davs Fri 1/6/18 Wed 29/8/18 44 Permit Applications & Statuary Submissions 120 days Thu 30/8/18 Thu 27/12/18 45 Existing Utilities scanning & Excavation Permit 45 days Tue 13/11/18 Thu 27/12/18 46 Tower Crane erection 2@MSB, 1@ 275 50 days Wed 6/3/19 Wed 24/4/19 47 Submission and Approval Fri 1/6/18 Mon 16/12/19 554 days 48 Method Statement / Temp Work Submission & Approval from HEC for General 240 days Fri 1/6/18 Sat 26/1/19 Works 49 BD Approval & Consent (If required) 120 days Fri 1/6/18 Fri 28/9/18 50 BIM Model, CSD & CBWD Submission & Approval from HEC 200 days Sat 29/9/18 Fri 26/4/19 51 Structure Steelwork Connection Design Submission & BD Approval Sat 29/9/18 Tue 27/11/18 60 days 52 Structure Steelwork Shop Drawing & Approval 60 days Sat 13/10/18 Tue 11/12/18 53 Metal Cladding, louvre & windows submission & BD Approval 60 days Wed 28/11/18 Sat 26/1/19 54 Metal Cladding, louvre & windows shop drawing submission 60 days Wed 12/12/18 Tue 19/2/19 55 Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres) 180 days Sat 27/10/18 Sat 4/5/19 56 Retractable Cover D BD Submission & Approval Wed 20/2/19 Mon 20/5/19 90 davs 57 No. 4 C.W. Outfall A&A BD 1st Submission 90 davs Thu 30/8/18 Tue 27/11/18 58 Sumission & Approval of Steel Flue Assessment Report and Design Drawings 60 days Sun 30/9/18 Wed 28/11/18 59 Submission and Approval of Steel Flue Design from BD 60 days Sun 30/9/18 Wed 28/11/18 60 Material Fabrication & Delivery for L11 Flue Mon 15/10/18 Tue 22/1/19 100 days 61 Folding Shutters Shop Drawing Submission & Approval 120 days Wed 20/2/19 Wed 19/6/19 62 Fabrication & Delivery of Folding Shutters Thu 20/6/19 Sat 16/11/19 150 days 63 Sewage Pump System Design submission & approval 90 davs Fri 22/3/19 Wed 19/6/19 64 Fabrication & Delivery of Sewage Pump 180 days Thu 20/6/19 Mon 16/12/19 65 Other material submission & approval & delivery 300 days Thu 30/8/18 Fri 5/7/19 66 Coordination with the Employer's Specialist Contractors 478 days Mon 20/5/19 Sat 19/9/20 67 Installation of Puddle Pipes at C.W. outlet Culvert 7 days Mon 20/5/19 Sun 26/5/19 68 Installation of Puddle Pipes at C.W. Inlet Culvert 7 days Sun 7/7/19 Sat 13/7/19 69 Template setting at L11 Turbo Block Foundation Wed 1/1/20 Mon 9/3/20 60 days 70 Template setting of holding down bolts at HRSG column base 46 days Tue 23/7/19 Fri 6/9/19 71 I-beam / channel base installation on top of transformer foundations at 30 days Fri 17/4/20 Sat 16/5/20 Transformer Area 72 Overhead crane erection at turbine hall using access through a temporary opening 36 days Sun 1/12/19 Tue 7/1/20 at L11 MSB roof between GL11-G to 11-H and 11-2 to 11-6 73 Condenser assembly and erection using access through a temporary facade 127 days Sun 1/3/20 Sun 5/7/20 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 74 Installation of power train equipment including air inlet duct using access through 142 days Fri 1/5/20 Sat 19/9/20 a temporary facade 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 75 Installation of embedded materials such as holding down bolts for equipment 30 days Sun 23/6/19 Mon 22/7/19 foundations - Commencement 76 Section A1 & A2 - Ground treatment at Zone 1A & 1B Wed 1/8/18 Wed 31/10/18 92 days 77 Plant establishment for earthworks 7 days Wed 1/8/18 Tue 7/8/18 78 Backfilling and compaction from existing ground +4.5mPD to +5.5mPD 45 days Wed 8/8/18 Fri 21/9/18 79 Wed 29/8/18 Sun 2/9/18 Delivery of band drain 5 days 80 Mon 3/9/18 Wed 12/9/18 Plant establishment for band drain (1st rig) 10 days 81 Plant establishment for band drain (2nd rig) 7 days Thu 20/9/18 Wed 26/9/18 82 Plant establishment for band drain (3rd rig) 7 days Thu 11/10/18 Wed 17/10/18 17-8002 Master Prog Rev 3 Task Split Milestone ♦ Summary 🛡

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Cont	ract No. 17/8002 Lamma Power Station Extension Civil and Building Work	s for Unit L1	1 17-8002	17-8002 Master Prog Rev 3 Refer to CEM dated 26March					
)	Task Name	Duration	Start Finish	Jan 2021	Feb 2021	Mar 2021			
	Vert. Band drain installation (1023 nos. x 44m)	45 days	Thu 13/9/18 Sat 27/10/18						
	Deposition of surcharge up to +8.3mPD	45 days	Mon 17/9/18 Wed 31/10/18						
	Section A3 - Ground treatment installation works at Zone 2	<u>158 days</u>	Mon 1/10/18 Sun 17/3/19						
	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	30 days	Mon 1/10/18 Tue 30/10/18						
	Delivery of band drain	6 days	Thu 18/10/18 Tue 23/10/18						
3	Vert. Band drain installation (1787 nos. x 44m)	50 days	Wed 24/10/18 Wed 12/12/18						
9	Deposition of surcharge up to +8.3mPD	60 days	Mon 3/12/18 Thu 31/1/19						
0 1	Additional Concrete Blocks + Extra Surcharge	60 days	Mon 7/1/19 Sun 17/3/19						
' 2	Section A4 - Ground treatment installation works at Zone 3 Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	131 days 12 days	Thu 1/11/18 Thu 21/3/19 Thu 1/11/18 Mon 12/11/18						
- 3	Vert. Band drain installation	60 days	Fri 9/11/18 Mon 7/1/19						
4		45 days	Tue 18/12/18 Thu 31/1/19						
5	Deposition of surcharge up to +8.3mPD Possession of Part 1 Defer portion at Zone 3	0 days	Wed 20/2/19 Wed 20/2/19						
, ;	Vert. Band drain installation	10 days	Wed 20/2/19 Fri 1/3/19						
7	Possession of Part 2 Defer portion at Zone 3	0 days	Fri 1/3/19 Fri 1/3/19						
3	Vert. Band drain installation	7 days	Fri 1/3/19 Thu 7/3/19						
) 0	Surcharge at deferred portion	14 days	Fri 8/3/19 Thu 21/3/19						
1	Section A5 (i) - Ground treatment installation works at Zone 4	<u>83 days</u>	Wed 26/12/18 Thu 28/3/19						
2	Site Preparation for Vertical Band Drain Band drain installation	3 days	Tue 1/1/19 Thu 3/1/19						
23	Possession of Defer portion at Zone 4	21 days 0 days	Wed 26/12/18 Tue 15/1/19 Fri 1/3/19 Fri 1/3/19						
4	Vert. Band drain installation	28 days	Fri 1/3/19 Thu 28/3/19						
5	Section A5 (ii) - Surcharge works at Zone 4	30 days	Tue 1/9/20 Wed 30/9/20						
6	Deposition of surcharge up to +8.3mPD	30 days	Tue 1/9/20 Wed 30/9/20						
7	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	493 days	Thu 1/11/18 Sat 28/3/20						
8	BD Amendment, resubmission & approval for Jacking Pit	170 days	Thu 1/11/18 Mon 29/4/19						
9	Consent for Jacking Pit ELS	28 days	Sat 20/4/19 Fri 17/5/19						
0	Mobilization	0 days	Sat 15/12/18 Sat 15/12/18						
1	Jacking Pit Sheetpile Installation (incl. Stop work notice + CNY)	60 days	Sun 16/12/18 Sat 23/2/19						
2	Protective screen and preventive measure for U9 gas pipeline (VO)	28 days	Sun 24/2/19 Sat 23/3/19						
3	Provision of temp support for U10 gas pipeline (VO) upon RMA allow access	28 days	Sun 14/4/19 Sat 11/5/19						
4	ELS of jacking pit	30 days	Sat 18/5/19 Sun 16/6/19						
15	Pipe Jacking set up & ground strengthing	18 days	Mon 17/6/19 Thu 4/7/19						
16 17	Pipe Jacking Receiving Pit BD Approval	90 days 170 days	Tue 10/9/19 Sun 8/12/19 Sun 25/11/18 Thu 23/5/19						
18	Consent for Pipe & Sheet pile	28 days	Tue 14/5/19 Mon 10/6/19						
19	Receiving Pit Pipe & Sheet pile installation	30 days	Tue 11/6/19 Wed 10/7/19						
20	Consent for Receiving Pit ELS	28 days	Thu 4/7/19 Wed 31/7/19						
21	ELS of Receiving pit	40 days	Thu 1/8/19 Mon 9/9/19						
2	Allow modify existing outfall manhole for pipe jacking receiving	18 days	Tue 10/9/19 Fri 27/9/19						
3	Culvert Pipe Intallation & water test	55 days	Mon 9/12/19 Wed 12/2/20						
4	Inspection Manhole at Jacking Pit + backfill (Area E3(A))	18 days	Thu 13/2/20 Sun 1/3/20						
5	Manhole extension at Outfall no. 4 + backfill + Reinstate of Outfall Rd	45 days	Thu 13/2/20 Sat 28/3/20						
3	Sheetpile for L12 Outlet culvert (Connection to Jacking Pit)	45 days	Mon 15/7/19 Wed 28/8/19						
7	Consent + ELS for remaining jacking pit	75 days	Thu 29/8/19 Mon 11/11/19						
8 9	Outlet Culvert pipe installation + Thrust Box (remaining portion at A1 Area)	45 days	Tue 12/11/19 Sat 28/12/19						
9 0	Sheet pile for future extension along GRS	60 days	Thu 29/8/19 Sun 27/10/19						
0 1	Section A6 (ii) - External works at Area E15(D)	<u>37 davs</u>	Wed 1/1/20 Sat 15/2/20 Wed 1/1/20 Mon 6/1/20						
1 2	Arae possession & Clearance Road & Surface Works	6 days 31 days	Tue 7/1/20 Sat 15/2/20						
2 3			The 7/1/20 Sat 15/2/20 Thu 31/1/19 Sun 1/3/20						
1	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	<u>375 days</u>	<u>- mu 31/1/19</u> <u>Sun 1/3/20</u>						
4	Area Possession & Clearance	0 days	Thu 31/1/19 Thu 31/1/19						
5	Excavation for CW Inlet Culvert (South of L11 HRSG)	21 days	Tue 16/4/19 Mon 6/5/19						
6	Installation CW Inlet Culvert pipe	30 days	Tue 7/5/19 Wed 5/6/19						
7	Construction of Thrust Box & Manholes,etc	14 days	Thu 6/6/19 Wed 19/6/19						
3	Backfill	21 days	Thu 20/6/19 Wed 10/7/19						
9	Install underground utilities	45 days	Mon 30/9/19 Wed 13/11/19						
0	Backfill and Temporary paving for Condensor Move in (E1)	14 days	Mon 17/2/20 Sun 1/3/20						
1	Backfill and Temporary paving for Condensor Move in (CF)	30 days	Sat 1/2/20 Sun 1/3/20						
2	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB	482 days	Thu 1/11/18 Tue 17/3/20						
-	including the associated roof structure except the roof deferred works		<u>Inu 1/11/10</u> <u>Iuc 1//3/20</u>						
3	Area possession & Clearance	0 days	Thu 1/11/18 Thu 1/11/18						
		0 000 30	1.1.a .) 11/10 11/11/10						

T	ask Name	Duration	Start	17-8002 Finish	<u> </u>		
'					Jan 2021	Feb 2021	Mar 2021
	Erection of turbine hall roof except defer work	0 days	Wed 13/11/19				
5	Installation of crane griders		Mon 11/11/19				
6 7	Turbine hall wall claddings	60 days		Tue 17/3/20			
	Section B1 (iii) - FSRU Civil works at Area E13 (GRS)	<u>151 days</u>		Mon 31/5/21			
3	Submission and approval for consent to work	0 days	Fri 1/1/21		Submission and approval for consent to wor	<	
9	Civil & Building Works	130 days		Mon 10/5/21			
)	Ground reinstatement	21 days		Mon 31/5/21			
1	Section B2 - Retractable Cover D at Area E22	<u>435 days</u>		<u>Tue 31/3/20</u>			
2	Area Possession, Demolition and clearance work	60 days		Mon 11/3/19			
3 4	Revise Structural Form and BD resubmission & approval	150 days	Tue 12/3/19	Thu 8/8/19			
+ 5	Foundation construction	60 days		Mon 7/10/19			
) 5	Backfill & Ground reinstatement	30 days		Wed 6/11/19			
,	Superstructure fabrication & delivery	90 days		Wed 6/11/19			
3	Superstructure erection	90 days		Sat 15/2/20			
-	E&M Installation and T&C	45 days		Tue 31/3/20			
	Section B3 - External works at Area B1, D2 and D4	<u>416 days</u>		Thu 30/4/20			
+	Receive Area from HKE, Area Possession & Clearance	0 days	Fri 1/3/19		_		
,	Removal of existing paving for band drain under Section A5(i)	30 days		Sat 30/3/19	_		
2	Complete Vert. Band drain under Section A5(i)	0 days		Thu 28/3/19			
5 4	Ground preparation for B1, D2 & D4 for handover to Plant contractor	90 days		Thu 30/4/20			
	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)	<u>466 days</u>	<u>Thu 1/11/18</u>	<u>Sun 1/3/20</u>			
	Area Possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18			
3	Excavation for Type C (Area E3A)	21 days		Mon 15/4/19			
7	Installation CW Outlet Culvert Pipe connect to Type C1	21 days 21 days		Mon 6/5/19			
3	Installation CW Inlet Culvert pipe (South of L11 Condensor)	21 days 21 days	Mon 20/5/19				
)	Construction of Thrust Box	10 days		Wed 19/6/19			
)	Construction of Access Manhole	21 days		Sun 30/6/19			
1	Backfill	14 days		Sun 14/7/19			
2	Construction of Underground drainage and utilities	60 days		Tue 7/1/20			
3	Construct Temp Paving for Condenser move in	45 days		Sun 1/3/20			
4	Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area	295 days		Sun 1/12/19			
	E7 (No Defer Foundations)						
5	Area Possession & Clearance	0 days	Thu 31/1/19	Thu 31/1/19			
3	Excavation & Pile Caps & Tie Beams (HRSG South Area E7)	45 days	Sun 19/5/19				
7	Construction RC foundations	45 days	Tue 9/7/19	Thu 22/8/19			
3	Construction RC plinths	30 days		Sat 21/9/19			
)	Construction underground utilities	45 days	Fri 23/8/19	Sun 6/10/19			
2	Backfill & Construction on-grade slabs	35 days		Sun 10/11/19			
1	Backfill and Temporary paving		Mon 11/11/19				
2	Section C2 - (ii) L11 Turbo Block foundation including the L11 MSB ground	496 days		Thu 30/4/20			
	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						
3	Area Possession & Clearance	0 days	Sat 1/12/18	Sat 1/12/18			
ŀ	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block North)	70 days	Mon 14/1/19	Wed 3/4/19			
5	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block South)	30 days	Wed 10/7/19	Thu 8/8/19			
3	Backfill and construction turbine block foundations	21 days	Fri 9/8/19	Thu 29/8/19			
'	Construction of internal drainage	60 days		Mon 7/10/19			
3	Construction RC walls incl. G/F rooms	90 days	Tue 8/10/19	Tue 7/1/20			
'	Construction turbine block columns and upper portion for plant embed installation	21 days	Mon 9/9/19	Sun 29/9/19			
	Concrete Turbine upper part foundation & clear falsework	52 days	Tue 10/3/20	Thu 30/4/20			
1	Section C2 - (iii) G/F of L11 MSB including the Condenser Pit, Circulating	466 days		Sun 1/3/20			
	Water Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-1 to 11-6 for the installation of condenser						
	Area Possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18	7		
3	Excavation to foundation level at ELS Type A	18 days		Tue 30/4/19			
1	Construction of CW Outlet Box + lowest tie beam & caps	40 days		Sun 9/6/19			
5	Construction of pile caps & tie beams & hot well sump pit up to +2.5mPD	30 days	Mon 10/6/19				
6	Backfill & Construction of CW Inlet Box + tie beams	18 days	Wed 10/7/19		-		

Contract No. 17/8002 Lamma Power Station Extension Civil and Building Works for Unit L11 Refer to CEM dated 26March2019 17-8002 Master Prog Rev 3 ID Task Name Start Half Duration Finish Feb 2021 Mar 2021 Jan 2021 197 Backfill and Construction ground beams & trenches 18 days Sun 28/7/19 Wed 14/8/19 198 Construction of indoor underground drainage 12 days Thu 15/8/19 Mon 26/8/19 199 Backfill & construction on-grade slabs Tue 27/8/19 Thu 5/9/19 10 days 200 Construction Column casting and RC walls 30 days Mon 30/9/19 Tue 29/10/19 201 Metal Cladding & Louvres for GLB-C/1-6 60 days Thu 28/11/19 Thu 6/2/20 202 Mis. Works for plant erection 24 days Fri 7/2/20 Sun 1/3/20 203 Section D - (i) Roads and external grounds surrounding L11 MSB and L11 414 days Thu 1/11/18 Tue 31/12/19 HRSG in addition to the southern & eastern areas mentioned above in Area E5 and E6 204 Area Possession & Clearance 14 days Thu 1/11/18 Wed 14/11/18 205 Excavation for Type C1 and open sheet pile 75 days Mon 14/1/19 Mon 8/4/19 206 Install CW Outlet pipe & connect to prevous Tue 16/4/19 Mon 6/5/19 21 days 207 Backfill 10 days Tue 7/5/19 Thu 16/5/19 208 Wed 3/7/19 Sat 31/8/19 Undeground utilities and trenches 60 days 209 Construction of plant drainage, trenches & RC plinths 45 days Sun 1/9/19 Tue 15/10/19 210 Remaining Undeground utilities & backfill (West of Tx Bay) 75 days Wed 16/10/19 Tue 31/12/19 211 Section D - (ii) Remaining northern part of L11 HRSG area and its 375 days Thu 31/1/19 Sun 1/3/20 surrounding in Area E6 212 Area Possession & Clearance 0 days Thu 31/1/19 Thu 31/1/19 213 Excavation & Pits & Pile Caps & Tie Beams (HRSG north Area E6) 45 days Thu 4/4/19 Sat 18/5/19 214 Construction RC foundations 45 days Sun 19/5/19 Tue 2/7/19 215 Construction RC plinths & HRSG Lift Pit & internal drainage 60 days Sun 9/6/19 Wed 7/8/19 216 Backfill Construction on-grade slabs 28 days Thu 8/8/19 Wed 4/9/19 217 Construction underground utilities 45 days Thu 5/9/19 Sat 19/10/19 218 Backfill, Remaining utilities and temporary paving 85 days Thu 14/11/19 Mon 17/2/20 219 Touch up and site clearance Tue 18/2/20 Sun 1/3/20 13 days 220 Section D - (iii) Whole of L11 MSB including the pipe and cable rack along 526 days Thu 1/11/18 Thu 30/4/20 south facade of L11 MSB with all underground utilities at Area E4 including C.W. Inlet and Outlet Culvert except the deferred works 221 Area Possession & Clearance 0 days Thu 1/11/18 Thu 1/11/18 222 Construction of pile caps & tie beams at Transformer Area 60 days Thu 15/11/18 Sun 13/1/19 223 Excavation & Construction Blow Down Sum pit (Type B) 45 days Thu 4/4/19 Sat 18/5/19 224 Construction of pile caps & tie beams at SunShadeCover Area 45 days Wed 10/7/19 Fri 23/8/19 225 Wed 3/7/19 Tue 16/7/19 Preaparation for S.Steelwork Erection 14 days 226 Structural Delivery & Erection (Turhine Hall North fr G.L. 1-3/H->B) 30 days Wed 17/7/19 Thu 15/8/19 227 Structural Delivery & Erection (Equipment Floors) 45 days Fri 16/8/19 Sun 29/9/19 228 Structural Delivery & Erection (Turbine Hall South) 45 days Mon 30/9/19 Wed 13/11/19 229 Fire Coating Application at Joint Fri 16/8/19 Fri 13/12/19 120 days External Scaffolding Erection 230 150 days Wed 31/7/19 Sun 29/12/19 231 Construction 1/F RC Slab Mon 30/9/19 Sun 13/10/19 14 days 232 Construction M/F RC Slab 7 davs Mon 14/10/19 Sun 20/10/19 233 Construction 2/F RC Slab 14 days Mon 14/10/19 Sun 27/10/19 234 Construction 3/F RC Slab 14 days Mon 28/10/19 Sun 10/11/19 235 Construction 4/F RC Slab 14 days Mon 11/11/19 Sun 24/11/19 236 Construction 5/F RC Slab (Roof of turbine hall, except defer portion) 30 days Mon 25/11/19 Tue 24/12/19 237 Construction Roof RC Slab 14 days Mon 9/12/19 Sun 22/12/19 238 Construction Upper Roof RC Slab 12 days Fri 27/12/19 Tue 7/1/20 239 Construction Defer Roof RC Slab (G.L. G-H) 30 days Wed 8/1/20 Sat 15/2/20 240 Construction of Staircase ST-01 & lift shaft & machine room 120 days Fri 30/8/19 Sun 29/12/19 241 Construction of Staircase ST-02 except defer work Mon 28/10/19 Mon 13/1/20 76 days 242 Construction of RC plinth, kerbs & parapet Walls 30 davs Fri 7/2/20 Sat 7/3/20 243 Erection of Skylight & Roof Features Fri 21/2/20 Sun 5/4/20 45 days 244 Waterproofing & Flooring at Roof 60 days Wed 8/1/20 Mon 16/3/20 245 ABFW Works from 1/F to 5/F equipment rooms 150 days Mon 21/10/19 Sun 29/3/20 246 Metal Cladding, Windows and Louvres incl. roof feature 100 days Thu 28/11/19 Tue 17/3/20 247 Removal of external scaffolding 60 days Mon 17/2/20 Thu 16/4/20 248 Building Services E&M Access & Installation 150 days Mon 4/11/19 Sun 12/4/20 249 Mon 13/4/20 Thu 30/4/20 Remaining and Mis, works for Plant erection Full Access 18 days 250 Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of L11 526 days Thu 1/11/18 Thu 30/4/20 MSB including their associated alternations & additions (A&A) Works at L10 MSB 17-8002 Master Prog Rev 3 Task Split Milestone 🔶 Summary 🛡

Com	ract No. 17/8002 Lamma Power Station Extension Civil and Building Works			17-800	Nei	Refer to CEM dated 26March20 ²			
D	Task Name	Duration	Start	Finish	lan 0004	E-h 0004	M 2024		
51	Area Possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18	Jan 2021	Feb 2021	Mar 2021 Appenc		
52	A&A works at South of L10 MSB	60 days	Thu 28/11/19				rippen		
3	Erection of link bridge structural steel	21 days		Thu 27/2/20					
4	Casting of bridge deck	7 days	Fri 28/2/20						
5	Metal roofing installation	14 days		Thu 19/3/20					
6	ABWF work	21 days	Fri 20/3/20						
57	Form new opening at MSB for final connection	14 days	Fri 27/3/20						
58	E&M Work for completion	21 days		Thu 30/4/20					
59	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated	<u>345 days</u>	Mon 11/2/19						
	trench in Area E20	<u>545 uays</u>	<u>MON 11/2/19</u>	<u>Sat 1/2/20</u>					
60	Area Possession & Clearance + CNY	0 days	Mon 11/2/19	Mon 11/2/19					
51	Sheet pile installation & submit as-built	75 days	Mon 11/2/19						
52	Consent for excavation	28 days	Sat 27/4/19						
53	Excavation & plate load test	45 days		Mon 15/7/19					
50 54	Construction of foundation	45 days		Thu 29/8/19					
65	Backfill & Underground utilities	30 days	Fri 30/8/19						
66	Remaining Pipe & cable rack and associated trenchs in Area E20	115 days							
67	Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to		Sun 29/9/19 Wod 1/1/20						
"	the western area of L11 MSB at Area E3	<u>263 days</u>	<u>wea 1/1/20</u>	<u>Mon 28/9/20</u>					
58	Area Possession	0 days	Wed 1/1/20	Wed 1/1/20					
50 59	Excavation & construction of new foundation	40 days		Tue 18/2/20					
70	Backfill	10 days	Wed 1/1/20 Wed 19/2/20						
71	Erection of Structural steel		Mon 6/7/20						
72		30 days							
73	Backfill & Ground works	55 days		Mon 28/9/20					
13	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	<u>173 days</u>	wea 1/1/20	<u>Tue 30/6/20</u>					
74		0 davia	Wed 1/1/20	Wed 1/1/20					
75	Area Possession	0 days		Wed 1/1/20					
76	Removal of Surcharge and excavation	14 days		Tue 14/1/20					
77	Modification of Site Drainage	45 days	Wed 15/1/20						
78	Construction of new RC for GRS Equipment Room	75 days	Tue 14/1/20						
	ABWF for GRS Equipment room	45 days		Thu 21/5/20					
79	E&M Installation	45 days		Tue 30/6/20					
80	Construction of new Gas pipe plinths & racks	45 days	Sat 22/2/20						
81	Backfill and construction site drainage	21 days		Mon 27/4/20					
82	External Paving and install new fencing	60 days		Tue 30/6/20					
83	<u>Section E1 - (iii) External Works at Area E15 (C)</u>	<u>273 days</u>	<u>Mon 1/6/20</u>		:.E1(III)		28 Feb '21		
84	Removal of Surcharge and excavation	45 days		Wed 15/7/20					
85	Underground drianage, Utilities and RC plinths	123 days	Thu 16/7/20						
86	Backfill and install surface utilities	45 days			ackfill and install surface utilities				
37	Roadwork	60 days	Thu 31/12/20				Roadwork		
38	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and	<u>495 days</u>	Wed 1/5/19	<u>Thu 17/9/20</u>					
	Pipe and Cable Rack at south of Middle Road at Area E8 and E19								
89	BD consent + Site Possession @ Area E8	0 days		Wed 1/5/19					
90 91	Excavation & Plate load test Foundation and Trench constructions	60 days 90 days	Wed 1/5/19 Sun 30/6/19	Sat 29/6/19 Fri 27/9/19					
91 92	Backfill & underground utitiles + temp paving	60 days		Tue 26/11/19					
93	Excavation & plate load test @ E19	60 days	Wed 27/11/19						
94	Construction of foundations & trenches	45 days	Thu 6/2/20						
95	Backfill & underground utitiles	60 days		Wed 20/5/20					
96	Pipe & cable rack Erection	60 days	Thu 21/5/20						
90 97	*	-	Mon 20/7/20						
97 98	Ground reinstatement	60 days							
~	<u>Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated</u> external works at Area E14, E15 (A) and E15 (B)	<u>173 days</u>	Wed 1/1/20	<u>1 ue 30/0/20</u>					
99		21 days	Wed 1/1/20	Tue 21/1/20					
)0	Removal of surcharge / site clearance	21 days							
	Excavation & construction of pipe trench	30 days	Wed 22/1/20						
)1	Construction of gas pipe support foundation	30 days		Mon 30/3/20					
02	Construction of underground drainage and utilities	60 days	Tue 31/3/20						
03	Backfill & road work	32 days		Tue 30/6/20					
04	Section E4 - 275kV cable trenching works connecting the 275kV Switching	<u>185 days</u>	<u>Fri 15/3/19</u>	<u>Sun 15/9/19</u>					
05	Station Extension and L11 MSB at Area E9 (A) Site possession	0.4	Fri 15/3/19						
		0 days	En 15/3/19	En 15/3/19					

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ont	act No. 17/8002 Lamma Power Station Extension Civil and Building Works	CEM dated 26					
-	ask Name	Duration	Start	Finish	Jan 2021	Feb 2021	Mar 2021
+	Obtain Permit to work & Road close permit	10 days	Fri 15/3/19	Sun 24/3/19	Jail 2021	160 2021	Wai 2021
	Excavation & construction new cable trench to 275kV	45 days	Mon 25/3/19	Wed 8/5/19			
3	Excavation & construction new cable trench to L11MSB	130 days	Thu 9/5/19	Sun 15/9/19			
	Section F - 275kV Station Building Extension and associated works at Area E17	<u>709 days</u>	<u>Fri 1/6/18</u>	<u>Sat 30/5/20</u>			
	Installation of ELS for 275kV Switching Station near Staircase ST-3 and ST-6	14 days	Fri 1/6/18	Thu 14/6/18			
	Construction of Staircase ST-3	110 days	Fri 15/6/18	Tue 2/10/18			
2	BD Amendment Approval on A&A	0 days		Mon 17/12/18			
3	BD Amendment Approval on A&A ST3 & Drainage	0 days	Mon 4/2/19	Mon 4/2/19			
4 5	OP inspection of Staircase ST-3 Consent of New Foundation Works (Stage 1)	14 days 0 days	Mon 11/2/19 Fri 19/10/18	Sun 24/2/19 Fri 19/10/18			
3	Consent & BA10 for Demolition of Existing Staircase	0 days	Fri 8/3/19	Fri 8/3/19			
7	Demolition of Exisiting Staircase and Submit BA14A	14 days	Sat 9/3/19	Fri 22/3/19			
	BD inspection for BA14A & Issue OP	28 days	Sat 23/3/19	Fri 19/4/19			
)	Consent & BA10 for New Foundation Work (Stage 2)	28 days	Sat 13/4/19	Fri 10/5/19			
)	Hoarding Modification	7 days	Fri 19/10/18	Thu 25/10/18			
-	Pile Cap & Tie Beam Construction (Stage 1) Erection of Tower Crane	98 days	Fri 26/10/18 Mon 11/2/19	Thu 31/1/19 Fri 22/3/19			
2 3	Pile Cap and Tie Beam (Stage 2)	40 days 21 days	Sat 11/5/19	Fri 31/5/19			
, i	RC Construction up to 1/F (Stage 1)	30 days	Sat 11/5/19	Sun 9/6/19			
5	RC Construction up to 1/F (Stage 2)	75 days	Sat 1/6/19	Wed 14/8/19			
5	Construction of Staircase ST6	90 days	Sun 15/9/19	Fri 13/12/19			
7	Shop Drawing Submission & Approval of Structural Steel	45 days	Wed 27/2/19	Fri 12/4/19			
3	Structural Steel fabrication & Delivery	60 days	Sat 13/4/19	Tue 11/6/19			
9 D	Erection of Structural Steel GL 17~18 Erection of Structural Steel GL 8~17	30 days	Fri 16/8/19	Sat 14/9/19 Wed 13/11/19			
+	Metal Cladding Delivery	60 days 60 days	Sun 15/9/19 Wed 7/8/19	Sat 5/10/19			
2	Metal Door, Window & Lourve Delivery	45 days		Tue 19/11/19			
5	Erection of Working Platform and Scaffold	150 days		Wed 27/11/19			
F	Install Decking	60 days	Wed 9/10/19	Sat 7/12/19			
;	RC Walls from 1/F @ GIS Hall	40 days	Thu 31/10/19	Mon 9/12/19			
	Construction of 2/F RC slab	14 days		Mon 23/12/19			
7 3	Construction of R/F RC slab Construction of UR/F RC slab	21 days 14 days	Tue 24/12/19 Thu 16/1/20	Wed 15/1/20 Fri 7/2/20			
3	Construction of GIS Hall Floor	60 days	Tue 24/12/19	Tue 3/3/20			
5	Installation of Overhead Crane (By JEC)	60 days	Wed 4/3/20	Sat 2/5/20			
1	Construction of staircase ST4, ST5, Lift Shaft & Equip Floors	150 days	Sun 15/9/19	Sat 22/2/20			
2	Lift Installation	90 days	Sun 23/2/20	Fri 22/5/20			
3	Concrete of RC walls, plinths, kerb & parapet walls & New trench for LV Power	30 days	Tue 24/12/19	Sun 2/2/20			
4 5	ABWF Works @ G/F ABWF Works @ 1/F	50 days	Mon 14/10/19 Wed 13/11/19				
6	ABWF Works @ 1/F ABWF Works @ 2/F	50 days 75 days	Fri 13/12/19	Sat 7/3/20			
7	ABWF Works @ R/F	30 days	Tue 14/1/20	Fri 21/2/20			
3	ABWF Works @ UR/F	21 days	Mon 3/2/20	Sun 23/2/20			
)	Waterproofing Works at R/F & UR/F	45 days	Thu 16/1/20	Mon 9/3/20			
_	Building Services E&M Access & Installation & T&C	150 days	Wed 13/11/19				
_	Metal Cladding, Windows and Louvres incl. Roof Feature	90 days	Tue 24/12/19	Thu 2/4/20			
2	Shutter Erection Removal of External Scaffolding + Tower Crane	30 days 35 days	Fri 3/4/20 Fri 3/4/20	Sat 2/5/20 Thu 7/5/20			
4	External Underground Drainage and Utilities	30 days	Fri 17/4/20	Sat 16/5/20			
5	Road & Paving Reinstatement	30 days	Fri 1/5/20	Sat 30/5/20			
;	Ready for FSD & OP Inspection	0 days	Sat 30/5/20	Sat 30/5/20			
·	Section G - A&A Works at No. 4 C.W. Intake at Area E12	<u>143 days</u>		Sun 31/5/20			
	Permit to work	0 days	Wed 1/1/20	Wed 1/1/20			
-	Erection of temp. platform	14 days		Tue 14/1/20			
)	Demolition work	30 days	Wed 15/1/20	Sat 22/2/20			
	Modify existing slab openings	75 days		Thu 7/5/20			
2	Curing + Removal of platform	24 days		Sun 31/5/20			
	Section H - L11 Steel flue liner at No. 4 Chimney	186 days		Mon 15/7/19			
	Complete erection of L10 Steel flue	0 days		Tue 1/1/19			
+	Modification of erection equipment	21 days		Mon 21/1/19			
_	Erection temp. platform and demolition work	30 days					
) 7				Sat 2/3/19			
_	Structural steel delivery & Erection	85 days		Sun 26/5/19			
	Removal of temp. work	5 days	Mon 27/5/19				
9	Reinstate G/F louvre wall and access door	45 days		Mon 15/7/19			
D	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>Sun 15/9/19</u>	<u>Fri 15/5/20</u>			
1	Obtain Permit to work & Road close permit	0 days	Sun 15/9/19	Sun 15/9/19			
2	Excavation & construction new cable trench		Mon 16/9/19				

	ract No. 17/8002 Lamma Power Station Extension Civil and Building Works	for Unit L1	1	17-8002	2 Master Prog Rev 3 Refer to CEM dated 26March201
)	Task Name	Duration	Start	Finish	
3	Re-excavate cable trench for cable laying	72 days	Thu 5/3/20	Fri 15/5/20	Jan 2021 Feb 2021 Mar 2021
4	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	275 days		Thu 31/12/20	ic.RfiiDec '20
5	Obtain Permit to work & Road close permit	0 days	Wed 1/4/20	Wed 1/4/20	
5	Re-excavate & new cable trench for cable laying	275 days		Thu 31/12/20	Re-excavate & new cable trench for cable laying
7	Section J - (i) Demolition of Retractable Cover A&B & (ii) Construction of new	426 days			
	LOT 3 & 4	<u>120 du jo</u>	<u>oun 1/5/20</u>	<u>11130/1121</u>	
8	Obtain permit to work & Road close permit	0 days	Sun 1/3/20	Sun 1/3/20	
9	Erection of Hoarding	21 days		Sat 21/3/20	
5	Removal of existing cover & structural steel	30 days		Mon 20/4/20	
1	Demolish of existing bund wall and staircases	45 days		Thu 4/6/20	
2	Demolish of existing slab & foundation	60 days		Mon 3/8/20	
3	Consent for new work	30 days		Wed 2/9/20	
4	Construction of new bund wall and foundation	100 days		Fri 11/12/20	I foundation
5	Construction of new oil separator	80 days		Fri 11/12/20	
6	Construct underground drainage and surface channel	40 days	Sat 12/12/20		Construct underground drainage and surface channel
7	Construction on-grade slab	60 days		Sun 21/3/21	
8	Removal of hoarding and ground reinstatement		Mon 22/3/21		
9	Section K1 - External works at Area 15 (E) and 15(F)	365 days		Mon 31/5/21	c.K1
)	Removal of surcharge	30 days		Tue 30/6/20	
1	Construct new drainage and utilities work	200 days		Sat 16/1/21	Construct new drainage and utilities work
2	Road & Paving	135 days		Mon 31/5/21	
3	Section K2 - Removal of Southern Bund and External Works at Area D5, D6	365 days		Mon 31/5/21	c.K2
	and D7	<u>505 du 35</u>	<u></u>	<u></u>	
				Tue 30/6/20	
4	Demolition work	30 days	Mon 1/6/20		
_	Demolition work Construct new drainage and utilities work	30 days 200 days			Construct new drainage and utilities work
5	Construct new drainage and utilities work	200 days	Wed 1/7/20	Sat 16/1/21	Construct new drainage and utilities work
4 5 6 7	Construct new drainage and utilities work Road & Paving	200 days 135 days	Wed 1/7/20 Sun 17/1/21	Sat 16/1/21 Mon 31/5/21	
5 6	Construct new drainage and utilities work Road & Paving Section K3 - All remaining works shall be completed for reporting completion	200 days	Wed 1/7/20 Sun 17/1/21	Sat 16/1/21	
5 3 7	Construct new drainage and utilities work Road & Paving Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection (PS1.4.4)	200 days 135 days	Wed 1/7/20 Sun 17/1/21 Wed 8/1/20	Sat 16/1/21 Mon 31/5/21 Thu 30/9/21	
5 3 7 3	Construct new drainage and utilities work Road & Paving <u>Section K3 - All remaining works shall be completed for reporting completion</u> <u>to BD and ready for OP inspection (PS1.4.4)</u> Completion of remaining roof after over headcrane move in	200 days 135 days 623 days 30 days	Wed 1/7/20 Sun 17/1/21 Wed 8/1/20 Wed 8/1/20	Sat 16/1/21 Mon 31/5/21 Thu 30/9/21 Sat 15/2/20	rc.K3
5 7 3 9	Construct new drainage and utilities work Road & Paving <u>Section K3 - All remaining works shall be completed for reporting completion</u> to BD and ready for OP inspection (PS1.4.4) Completion of remaining roof after over headcrane move in Construction of G/F Lube Oil Tank Room (BY TDK)	200 days 135 days 623 days 30 days 61 days	Wed 1/7/20 Sun 17/1/21 Wed 8/1/20 Wed 8/1/20 Tue 6/10/20	Sat 16/1/21 Mon 31/5/21 Thu 30/9/21 Sat 15/2/20 Sat 5/12/20	rc.K3
5 3 3 9	Construct new drainage and utilities work Road & Paving Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection (PS1.4.4) Completion of remaining roof after over headcrane move in Construction of G/F Lube Oil Tank Room (BY TDK) Construction of wall and staircase at G/F after Condensor Move in	200 days 135 days 623 days 30 days 61 days 90 days	Wed 1/7/20 Sun 17/1/21 Wed 8/1/20 Wed 8/1/20 Tue 6/10/20 Mon 6/7/20	Sat 16/1/21 Mon 31/5/21 Thu 30/9/21 Sat 15/2/20 Sat 5/12/20 Sat 3/10/20	c.K3 TDK)
5 6 7 8 9 0 1	Construct new drainage and utilities work Road & Paving Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection (PS1.4.4) Completion of remaining roof after over headcrane move in Construction of G/F Lube Oil Tank Room (BY TDK) Construction of Wall and staircase at G/F after Condensor Move in Construction of Durasteel Steel wall panel after IBP installation	200 days 135 days 623 days 30 days 61 days 90 days 30 days	Wed 1/7/20 Sun 17/1/21 Wed 8/1/20 Wed 8/1/20 Tue 6/10/20 Mon 6/7/20 Sun 20/9/20	Sat 16/1/21 Mon 31/5/21 Thu 30/9/21 Sat 15/2/20 Sat 5/12/20 Sat 3/10/20 Mon 19/10/20	rc.K3 TDK)
5 6 7 8 9 0 1 2	Construct new drainage and utilities work Road & Paving Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection (PS1.4.4) Completion of remaining roof after over headcrane move in Construction of G/F Lube Oil Tank Room (BY TDK) Construction of wall and staircase at G/F after Condensor Move in Construction of Durasteel Steel wall panel after IBP installation Construction of Transformer fence wall, cladding & associated FS services	200 days 135 days 623 days 30 days 61 days 90 days 30 days 122 days	Wed 1/7/20 Sun 17/1/21 Wed 8/1/20 Wed 8/1/20 Tue 6/10/20 Mon 6/7/20 Sun 20/9/20 Tue 1/9/20	Sat 16/1/21 Mon 31/5/21 Thu 30/9/21 Sat 15/2/20 Sat 5/12/20 Sat 3/10/20 Mon 19/10/20 Thu 31/12/20	c.K3 TDK) Construction of Transformer fence wall, cladding & associated FS services
5 6 7 8 9 0 1	Construct new drainage and utilities work Road & Paving Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection (PS1.4.4) Completion of remaining roof after over headcrane move in Construction of G/F Lube Oil Tank Room (BY TDK) Construction of Wall and staircase at G/F after Condensor Move in Construction of Durasteel Steel wall panel after IBP installation	200 days 135 days 623 days 30 days 61 days 90 days 30 days	Wed 1/7/20 Sun 17/1/21 Wed 8/1/20 Wed 8/1/20 Tue 6/10/20 Mon 6/7/20 Sun 20/9/20 Tue 1/9/20 Tue 1/9/20	Sat 16/1/21 Mon 31/5/21 Thu 30/9/21 Sat 15/2/20 Sat 5/12/20 Sat 3/10/20 Mon 19/10/20 Thu 31/12/20	rc.K3 TDK)

Summary 🛡 🔍 🛡

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	タスク名	网络约3	開始日	轻了日	
		104468	- THOMASHY	Constant of C	
1	Key Date	613日	19/12/16(月)	21/12/01 (水	
2	H. O HRSG Foundation	1日	19/12/16(月)	19/12/16 (月))
3 📖	H/O OHC Installation	1日	19/12/16(月)	19/12/16 (月)	
	H/O HRSG Exhaust duct	1日	20/02/01 (土)	20/02/01 (土)	
5 📾	H O Condenser foundation	1日	20/03/09(月)	20/03/09 (月)	
5 🛄	H/O Aux. equipment foundation of HRSG	1日	20/03/16(月)	20/03/16 (月)	
	north side H/O GT Exhaust duct foundation	1日	20/05/01 (金)	20/05/01 (金)	H/O Aux, equipment foundation of HRSG north side 🔶 03/16
	H_O MSB building (partial)	1日	20/06/01 (月)	20/06/01 (月)	H/O GT Exhaust duct foundation 🗢 05/01
	Dismantling the Tower Grane (PY)	1日	20/06/22(月)	20/06/22 (月)	H/O MSB building (partial) ♠ 06/01
0 003	PY cast the concrete of G_F	20日	20/06/08(月)	20/06/30 (火)	Dismantling the Tower Crane (PY) -06/22
1	MSB Full access	1日	20/07/01 (水)	20/07/01 (水)) PY cast the concrete of G/F
2 1113	H O Foundation around CCW-Cooler	1日	20/05/16(土)	20/05/16 (土)	MSB Full access 🐨 07/01
3	H/O Foundation around Transformer	18	20/07/01 (水)		H/O Foundation around CCW-Cooler 👁 05/15
1 00	O/B GT & GEN	10日	20/09/01 (火)		H/O Foundation arbund Truinsformer 🔷 07/01
5	Power Receiving	1日	21/02/01 (月)		O/B GT & GEN- ==== 09/01
5, i	Hydrostatic test (Can't promise)	1日	21/05/31 (月)		Power Receiving
	Receiving Lube Oil	1日	21/05/24(月)		*TDK challenge to move "hydr
1	GT First Firing	1日	21/11/01 (月)		
	Synchronization	1日	21/12/01 (7)		
0					
н	IRSG	663日	19/12/16(月)	22/01/28 (金)	
	Make the condition for construction	2日	19/12/16 (月)	19/12/17 (火)	HRSCI 🕶
6	Center line marking	3日	19/12/18 (水)	19/12/20(金)	Make the condition for construction
	Chipping	15日	19/12/21(土) ;	20/01/07 (火)	Center line marking.
	Packer setting	10日	19/12/28(土) :	20/01/08 (水)	Chipping
-	Lay down Pipes under HRSG	4日	20/01/09(木)	20/01/13(月)	Packer setting
-	Unloading Short legs and Bottom casing	1日	20/01/04(土) 2	20/01/06(月)	Lay down Pipes under HRSG 😑
	Short legs setting	9日	20/01/09(木) 2	20/01/18(土)	Unloading Short legs and Bottom clasing 🗕
-	Prepare for installing Bottom casing	3日	20/01/16(木) 2	20/01/20(月)	Short logs setting
-	Lifting and installing Bottom casing	6日	20/01/20(月) 2		Prepare for installing Bottom casing
-	Welding Short legs and Bottom casing	35日	20/01/30(木) 2		Lifting and installing Bottom casing
_	Setting and welding Brace gusset	35日	20/01/30(木) 2		Welding Short legs and Bottom casing
_	Setting and welding SCR bottom frame	35日	20/01/30(木) 2		Setting and welding Brace guisset
-	Setting FL+2.5m floor structure	17日	20/01/30(木) 2		Setting and welding SCR bottom frame
	Insulation and lagging on Bottom casing	17日	20/02/17(月) 2		Setting FL+2.Sm floor structure
_	Unloading Side casing and Top Casing #1	2日	20/02/08(±) 2		Insulation and lagging on Bottom casing
	Lifting and installing Side casing	42日	20/06/23(火) 2		Unloading Side casing and Top Casing #1
0.23	Lifting and installing Top casing	42日	20/06/30(火) 2		Lifting and installing Side (casing-
_	Lifting and installing SCR	42日	20/06/30(火) 2		Lifting and installing Top cashrg/ and installing Top cashrg/
	Lifting and installing AIG	2日	20/08/20(木) 2		Lifting and installing SORPI
	Unloading Side casing and Top Casing #2	18			Lifting and installing AIG
-			20/07/10(金) 2 20/07/16(士) 2		Unloading Side casing and Top Casing #20
	Installation of piping, header, support, EXP inside HRSG		20/07/16(木) 2		Installation of piping, header, support, EXP inside HITSG)
	Lifting and installing HRSG inlet duct	2日	20/08/25(火) 2		Lifting and installing HRSG Inlet duct
ETT	Setting FL+6/10m floor structure (Left side of HRSG)	55日	20/05/15(金) 2	0/07/17(金)	Sotting FL+6/10m floor structure (Left side of HRSQ)

Installation HRSG was re-started from 23rd-Jun

Installation Exhaust duct was re-started from15st-May

2. To consider that structure of Takasago portion is delayed

To consider the delay of H/O date from PDC
 Add the schedule of the electric work and the replacement the gantry crane for CWP

1229 1507	φ 12/01 π to 31∎t-May-2021						6-Jul-20 Rev
up to 31st-May-2021 31	φ 12/01 π to 31∎t-May-2021	1年06月2021年07月2 中旬下旬上旬中旬下旬上	021年08月 2021年09 何中旬下旬上旬中旬下	月2021年10月 旬上旬中旬下旬	2021年11月203 上旬中旬下旬上旬	2022年 1年12月 2022年 中旬下旬上旬中旬	01月 2022年02月 下旬上旬中旬下旬
GT First Firing. ◆ 11/01	GT First Firing ◆ 11/01						
GT First Firing. ◆ 11/01	GT First Firing ◆ 11/01			80			
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GT First Firing + 11/01	GT First Firing ◆ 11/01						
GT First Firing + 11/01	GT First Firing ◆ 11/01	1111		(,) 	144		
GT First Firing + 11/01	GT First Firing ◆ 11/01					114	
		up to 31st-May-2021 11					
Synchronization + 12/01	Synchronization +19/91		GT	First Firing ◆	-h1/01		
				Synchr	onization 🍝 12/	'01]	
		1114					
		1111	1111				

	92.08	期間	网络日	核プロ
	1078 1010	-4951m]	091903 E1	終了日
	North side stair frame & EV structure	90日	20/08/22(土)	20/12/04 (金)
		30日	20/10/01 (木)	
	South side stair frame	60日	21/02/25(木)	21/05/05 (水)
	Setting roof structure (Including deferable structure)	120日	20/12/04 (金)	21/04/22 (木)
		10日	20/09/04(金)	20/09/16 (水)
	Unloading Tube bundle #1 (9set)	3日	20/09/16(水)	20/09/18 (金)
-	Prepare installing Tube bundle #1 (9set)	5日	20/09/19 (土)	20/09/24 (木)
	Period for the installation of Power Train	0日	20/09/24 (木)	20/09/24 (木)
1	Lifting and installing Tube bundle #1 (9set)	12日	20/09/25(金)	20/10/08 (木)
	Unloading Tube bundle #2 (6set)	2日	20/10/10(土)	20/10/12(月)
1	Prepare installing Tube bundle #2 (6set)	4日	20/10/13 (火)	20/10/16 (金)
	Lifting and installing Tube bundle #2 (6set)	8日	20/10/17(土)	20/10/26(月)
-	Lifting Down commer piping (pre-assembling)	8日	20/09/01 (火)	20/09/09 (水)
	Lifting and setting HP-Drum	1日	20/10/14(水)	20/10/14 (水)
	Lifting and setting IP-Drum	1日	20/10/31(土)	20/10/31 (土)
1	Lifting and setting LP-Drum	1日	20/11/04 (水)	20/11/04 (水)
	Lifting and installing HRSG Outlet duct	2日	20/11/18 (水)	20/11/19 (木)
	Adjusting HDR level (HP)	10日	20/11/05 (木)	20/11/16(月)
	Adjusting HDR level (IP & LP)	15日	20/11/17 (火)	20/12/03 (木)
	Lifting and setting the silencer of HRSG	5日	21/04/23(金)	21/04/28(水)
		180日	21/03/19(金)	21/10/14 (木)
	Excavation the foundation of UTAC (By Civil)	21日	21/02/01 (月)	
	Urea to Ammonia conversion system	90日	21/02/25(木)	21/06/09(水)
		50日	21/04/13 (火)	
	Installation the SCR catalyst	20日	22/01/06 (木)	22/01/28 (金)
		80日	20/07/16(木)	
		90日	20/11/17 (火)	
		90日	20/12/04(金)	
		40日	20/12/04(金)	
		60日	20/12/04(金)	
	Fitting and welding Pipes in range of Hydrostatic		20/11/17 (火)	
	Fitting and welding Pipes out range of Hydrostatic	100日	21/03/02 (火)	1/03/03(金)
	Prepare for preassemble Side and Top Casing	10日	20/01/24 (金)	0/02/07 (全)
		30日	20/01/24 (金) 20/02/11 (火)	
		30日	20/02/11(火)	
		30日	20/02/11(灭) 20/03/20(金)	
-		12日	20/03/20(金) 20/03/24(火)	
		3日	20/03/24 (火)	
		18日	20/07/30(木)	
		4日	20/06/20(土)	
-		52日	20/06/25 (木)	
-		4日	20/09/28(月)	
		40日	20/10/02(金)	

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-	92.08	期間	開始日	特了日
12.4		STORES .		new a
0	Preassembly FL+29m floor structure #1	18日	20/08/01 (土)	20/08/22(±)
	HRSG Exhaust duct	445日	20/02/01 (土)	21/07/02 (金)
	Make the condition for construction	5日	20/02/01 (土)	20/02/06 (木)
	Center line marking	5日	20/02/01 (土)	20/02/06 (木)
	Chipping	20日	20/02/07 (金)	20/02/29(土)
1	Packer setting	20日	20/02/19 (水)	20/03/12 (木)
	Building structure in the part of ED4	25日	20/05/15(金)	20/06/12(金)
	Building structure in the part of ED5,6 (By 2nd tier)	15日	20/06/25(木)	20/07/11(土)
	Grouting structure for exhaust duct (Nearly stack)10日	20/06/13(土)	20/06/24 (水)
	Receiving Exhaust duct ED4	2日	20/05/01 (金)	20/05/02(土)
	Lifting and assembly the Elbow duct in ED4	30日	20/07/13(月)	20/08/15(土)
**	Preassembling other duct in ED4	40日	20/05/04(月)	
	Lifting and connecting the duct of ED4	5日	20/08/17(月)	
	Receiving Exhaust duct ED5,6	2日	20/06/15(月)	
*	Preasembling ED5, 6	70日	20/06/15(月)	
	Building structure in the part of ED5,6 (Above 2nd tier)		20/08/22 (土)	
	Period for the installation of tube bundles	7日	20/10/20 (火)	
010	Lifting and connecting the duct of ED5,6	15日	20/10/31(土)	
	Building structure in the part of ED1-3	55日	20/11/24 (火)	
	Grouting structure for exhaust duct (Horizontal)		21/02/16 (火)	
	Receiving Exhaust duct ED1-3	2日	20/06/30(火)	
	Preassembling ED1-3	120日	20/09/04(金)	
		25日	21/02/13(土)	- 2 - 1
1225	Scaffolding, welding, insulation Period of crane for vertical duct	140日	21/01/21(木) 20/10/30(金)	
		18日	20/10/30(亚)	20711719(7)
	Over Head Grane	75日	19/12/14(土)	20/02/12(会)
_	Check the location of installation	1日	19/12/14(土)	
	Lifting and setting the rail for OHC	16日	19/12/18 (水)	
-		5日	19/12/14(土)	
-		2日	19/12/20(金)	
	Preassembly OHC	15日	19/12/23(月)	
		4日	20/01/09 (木)	
-		4日	20/01/14 (火)	
	Installing electrical equipment	20日	20/01/18(土)	
		25日	20/02/14(金)	
-				
	Condenser	185日	20/03/03 (火)	20/10/02(余)
		2日	20/03/03 (久)	
-		6日	20/03/03 (A)	
		4日	20/03/11 ()K) 20/03/18 (7K)	
-		4日 28日	20/03/18 (八) 20/03/11 (八)	
-	condenser	28日	20/03/11(水)	
-		15日	20/03/20(金)	
	Assembling the scalolding around skirt	13日	20/03/20(金)	20/04/05(日)

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4. To consider the delay of H/O date from PDC 5. Add the schedule of the electric work and the replacement the gantry crane for CWP

	h7 h8		100.00	470	Construction Schedule of Unit-11
	92.08	100 miles	開始日	終了日	2020年
1 0	Preparation the lifting tool for the skirt	2日	20/04/05(日)	20/04/06 (日)	2020年 9年03月 2019年10月 2019年10月 2019年11月 2019年12月 2020年02月 2020年03月 2020年03月 2020年04月 2020年05月 2020年10月 2020年10月 2020年10月 2020年11月 2020年11月 2020年12月 2021年01月 2021年03月 2021年03月 2021年05月 2021年05月 2021年05月 2021年07月 2021年06月 2021年09月 2021年10月 2021年11月 2021年03月 2021年03月 2021年05月 2021年05月 2021年07月 2021年06月 2021年09月 2021年10月 2021年11月
7	[Civil]Excavate the access road	30日	20/03/03 (火)		Preparation the lifting tool for the skirt IN
8	Assembly the Unit carrier	4日	20/04/03(金)		[Civil]Excavate the access road
9	Assembly the 750tonA/C	4日	20/04/03(金)		Assembly the Unit carrier
0 [112	Delivery date of condenser	2日	20/04/03(亚)		Assembly the 750tonA/G
1	Remove packing material	2日 3日			Delivery date of condenses
2			20/04/04(土)		Remove packing material
3	Installation Upper skirt	2日	20/04/11(土)		Installation Upper akint
4	Installation Lower skirt	2日	20/04/14 (火)		Installation Lower skirt
5	Fit up condenser skirt	3日	20/04/16(木)		Fit up condenser skirt
6	Assembling and welding skirt	8日	20/04/20(月)		Assembling and weiging skirt
7	Remove rail for condenser skirt	18	20/04/16(木)		Removo nil for condensor skirt
8	Installation Condenser shell of lower	1日	20/04/17(金)		Installation Condepart shell of Jower 1
	Installation Condenser shell of upper	18	20/04/18(土)		Installation Condensar shell of upper
9	Disassembly the 750tonA/C	1日	20/04/18(土)		Disassembly the 75CtonA/C
0	Dismantling SARLIFT and temporary rail	15日	20/04/20(月)		Dismantling SARLIFT and temporary rail
1	Assembling the scafolding around condenser shel		20/04/27 (月)		Assembling the scafelding around condenser shell
2	Welding Condenser shell (outside / 1 layer)	5日	20/05/02 (土)		Welding Condenser shell (outside / 1 layer)
3	Fit up condenser skirt to condenser shell	3日	20/05/08(金)		Fit up condenser skirt to condensor shell
•	Installation the monorail of South side	20日	20/05/12 (火)		Installation the monoral of South side
i 💷	Hand over around condenser to civil working		20/06/08(月)	20/07/11 (土)	Hand over around condenser to civil working
3	Installation the condenser water box of South side	27日	20/07/13(月)	20/07/20(月)	Installation the condenser water box of South sida
	Installation the CW pipe	45日	20/07/21 (火)	20/09/10(木)	Installation the GW pipe
	Assembling Exp.J	1日	20/09/21(月)	20/09/21(月)	Assembling Exp.J h
1	Welding Exp.J	10日	20/09/22 (火)	20/10/02 (金)	Welding Eng.J 🎽
	GT/ST/Generator	535日	20/06/02 (火)	22/02/15 (火)	GT/ST/Generator
14	Remove templates	14日	20/06/02 (火)	20/06/17(水)	Remove templates
5	Center line marking	5日	20/06/18 (木)		Center line makking
5 -	Chipping	10日	20/06/24 (水)	20/07/04 (土)	Chipping
	Packer setting	15日	20/07/06(月)	20/07/22 (水)	
2	Setting the base plate	7日	20/07/23 (木)	20/07/30 (木)	Setting the base plate 📥
	Setting the bearing case	7日	20/07/31 (金)		Setting the bowing case 📥
81	Lay down pipes under GT	1日	20/08/08(土)	20/08/08 (土)	
	Lay down pipes under ST	3日	20/08/10(月)	20/08/12 (水)	
	IP/LP-MSV Lifting and setting	5日	20/08/05 (水)		IP/LP-1MSV Lifting and setting ■
	Lifting and hanging EB01	1日	20/07/30 (木)	20/07/31 (金)	
8	Setting the Gantry system for GT	21日	20/08/03 (月)	20/08/27 (木)	
	Load test for Gantry system	2日	20/08/27 (木)	20/08/29(土)	
	GT O/B (with Gantry)	2日	20/09/01 (火)	20/09/02 (水)	
1	Setting the Gantry orane for GEN	1日	20/09/03 (木)	20/09/03 (木)	
8	GEN O/B (with Gantry)	2日	20/09/03 (木)	20/09/04 (金)	(CEN D/B) (with Gantagy - 09/04
	ST Lower casing O/B (with OHC)	2日	20/09/05 (±)	20/09/07(月)	
	Dismantling the Gantry system	15日	20/09/08 (火)	20/09/24 (木)	ST Lower basing O/B (with 0Hd) Dismituting the Gantry system
	Lifting and setting ST	31日	20/10/01 (木)	20/11/05 (木)	
-	ST Rotor	1日	20/10/30(金)	20/10/30(全)	Lifting and petting ST-

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 Add the schedule of the electric work and the replacement the gantry crane for CWP

	タスク名	2010	開始日	將了日	Construction Schedule of Unit-11
	RECEIME	, and the second s	100.051.04	TA / H	2020年 2022年 2022年
0	HP-MSV lifting and setting	5日	20/10/31(土)	20/11/05 (木)	2022年 9年08月 2019年19月 2019年10月 2019年11月 2019年11月 2019年11月 2029年01月 2020年05月 2020年03月 2020年03月 2020年05月 2021年05月 2021年10月 2021年10月 2021年11月 2022年11月 2022年11月 2022年 中旬下旬上旬中旬下旬
-	Assembly ST	51日	20/11/06 (金)	21/01/04(月)	H ⁰⁺ -MSV lifting and setting
	ST Upper Casing	1日	20/12/29(火)	20/12/29 (火)	Assembly SY
5	First alignment of GT and GEN	25日	20/09/14(月)	20/10/12(月)	
8	GT enclosure (Lower)	20日	20/10/31 (土)	20/11/23 (月)	Firs; alignment of QT and QEN
	Assembly piping around GT	120日	20/11/11(水)	21/03/30 (火)	GT enclosure (Lower)
	Assembly slipring of GEN	28日	20/11/11 (水)	20/12/12 (土)	Assembly piping around GT
-	Final alignment	20日	21/01/05(火)	21/01/27 (水)	Assembly alipping of GEN
-	Assembly 3S clutch	15日	21/01/28(木)		Final digrament
-	Joint coupling	10日	21/02/15(月)	21/02/25 (木)	Assembly 35 clutch
-	Installation GT enclosure	80日	20/12/19(土)		. Joint coupling 🎽
	Installation ST enclosure	80日	21/02/26 (金)		Installation (GT enclosure
	Blowing out	10日	21/11/10 (水)	21/11/20(土)	Installation ST enclosure
	Remove temporary strainer	20日	22/01/24 (月)		
					Remove temporary strainer
-	GT Air inlet	394日	20/07/06(月)	21/10/08 (金)	
-	Center line marking	2日	20/08/13 (木)		GT Air inlet.
	Setting the base plate	10日	20/08/15(土)		Center line marking B
	Preassembly the Air inlet duct	60日	20/07/06(月)		Setting the base plate and
	Lifting and installation the Air inlet duct (Vertical)	25日	20/08/27 (木)		Pressambly the Air inlet duct I
(11)	Welding Air inlet duct (Vertical)	50日	20/09/08 (火)		Ufting and installation the Air inlet duct (Vertical)
	Lifting and installation the Air inlet filter	37日	20/10/07 (水)	20/11/18 (水)	Welding Air iniet duct (Vertiebi)
	Welding Air inlet filter	70日	20/10/19(月)	21/01/07 (木)	Lifting and installation the Air rolet Filter
1	Lifting and assembly the Air inlet manifold	2日	20/11/06 (金)	20/11/07 (土)	Weiding Air inist Filter)
	Lifting and installation the Air inlet duct (Horizontal)	8日	20/11/09(月)	20/11/17 (火)	Lifting and assembly the Air infet manifold Man
	Automatic roller shutter	2日	20/11/18 (水)	20/11/19 (木)	tifting and installation the Air inlet duct (Horizonta) 🚈
	Welding Air inlet duct (Horizontal)	25日	20/11/18 (水)	20/12/16 (水)	Automotic roller shutter
	Filter element installation	5日	21/10/02(土)	21/10/08 (金)	Weldsing Air Inlet duct (Horizontal)
					Filter element installation 🗮
- ,	Auxiliary Equipment (O/B)	353日?	20/04/28 (火)	21/06/12(土)	
	1&3 around Power Train & North west of MSB	143日?	20/06/09 (火)	20/11/21 (土)	Auxiliary Equipment (Q/B) 😎
	Chipping and pakker setting	10日	20/06/09 (火)	20/06/19(金)	
	H2 cooler	2日	20/07/31 (金)	20/08/01 (±)	Chipping and pakker setting 🜉
-	Platform under the GEN	5日	20/08/03(月)	20/08/07 (金)	H2 cooler 🖌
-	Temp hanging Main Steam Piping	25日	20/07/30(木)	20/08/27 (木)	Platform under the GEN 🚡
	Sampling lack	2日	20/11/03 (火)	20/11/05 (木)	Temp hanging Main Steam Piping 🗤 👘 👘
	Light oil drain unit	2日	20/11/05 (木)	20/11/07(土)	Sampling lack
	GT purge air compressor	2日	20/11/07 (土)	20/11/10 (火)	Light di drain unit M
	GT purge are reservoir	2日	20/11/10(火)	20/11/12 (木)	GT purge air compressor
	Light oil flow divider unit & platform		20/11/12 (木)		GT purge an reserver 🛀
	GT Purge air unit	22	20/11/12 (木)		Light oil flow divider unit & platform)
	Fuel gas unit		20/11/20 (金)		Off Purge air united
					Fuel zas unit 🖌
	2 MSB Inside North-West	125日?	20/05/05 (火)	20/09/26 (土)	
	Chipping and pakker setting		20/05/05 (火)		

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Appendix J

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F 1	タスク名	网络	開始日	終了日	Construction Schedule of Unit-11
		A.1141	1 III III	76 J H	2020 00
226					2020年 9年08月 2019年09月 2019年10月 2019年11月 2019年11月 2020年01月 2020年01月 2020年05月 2020年05月 2020年05月 2020年05月 2020年01月 2020年05月 2020年05月 2020年05月 2020年05月 2020年10月 中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上
	Preparation hauling equipment	4日		20/06/02(火)	Preparation hauling equipment
227	Condenser water box	3日		20/06/04 (木)	Condenser water box
228	Closed cooling water pump	2日	20/06/05(金)	20/06/06(土)	Closed cooling water pump
229	Condenser vacuum pump	2日	20/06/08(月)	20/06/09(火)	Condenser, vacuum pump
230	Dismantling hauling equipment	2日	20/06/10 (水)	20/06/11(木)	Dismantling having equipment
231	ST blow down tank	1日	20/06/10 (水)	20/06/10 (水)	
132	ST Blow down tank structure	1日	20/06/11 (木)	20/06/11(木)	ST blow down tank
33	GT casing cooling fan	1日	20/06/12(金)	20/06/12 (金)	ST Blow down tank structure
34	GT compressor blade washing device	1日	20/06/12 (金)	20/06/12(金)	GT casing cooling fan
35 鯼	Building MSB North strcuture	40日	20/06/13(土)	20/07/29 (水)	GT compressor blade washing device
36 📻	Pre-assembly structure for Air inlet duct	30日	20/08/01 (土)	20/09/04 (金)	Building MSB North structure
37	access Building structure for Air inlet duct access	2日	20/09/25 (金)		Pre-assembly structure for Air inlet duct access.
38	Closed cooling water stand pipe	2日	20/09/25(金)		Building structure for Air inles duct access 🕅
39	ST Blowdown pit sump pump	2日			Closed cooling water stand pipe 👔
40	o - elongonn pic aguip pdilip	<u>~н</u>	20/06/10 (水)	20/00/11(小)	ST Blowdown pit sump pump 0
	R MCD Inside Caude III	101 2 -			
41	6 MSB Inside South-West	163日?	20/05/16(土)		
42	Chipping and pakker setting	10日	20/05/16(土)		Chipping and palker setting
43 🛄	Condensate extraction pump	2日	20/06/15(月)	20/06/16(火)	Condensate extraction pump
44	CEP access stair	1日	20/06/15(月)	20/06/15(月)	CEP access star 1
45 🎆	Building MSB South strouture	25日	20/07/01 (水)	20/07/29 (水)	Building MSB South streature/all manual
46 🎇	Gland condenser	1日	20/07/07 (火)	20/07/07 (火)	Cland contenserN
\$7 🞆	Plant and Instrument air receiver	2日	20/07/27 (月)	20/07/28 (火)	Plant and Instrument air roceiver 14
18	Trip valve unit	1日	20/09/28(月)	20/09/28(月)	
19 📷	Control oil unit	1日	20/09/28(月)	20/09/28(月)	Pop Valve united
i0	Seal oil unit	2日	20/07/31 (金)	20/08/01(土)	Contrial di unit-1
51	Plant air compressor	2日	20/11/18 (水)	20/11/19(木)	Séel oil unit.
i2	Instrument air dryer	2日	20/11/20 (金)	20/11/21 (土)	Plant air compressor 🖡
3	CEP pit sump pump	2日	20/06/17 (水)	20/06/18 (木)	Instrument air diyer
4	Condenser hotwell pit sump pump	2日	20/06/19 (金)	20/06/20 (土)	CEP pit sump pump #
5					Condenzer hotwell pit sump pump
6	7 Lube oil room	144日?	20/05/28 (木)	20/11/11 (水)	
7	Chipping and pakker setting	10日	20/05/28 (木)		
8	Disassemble structure	1日	20/07/31(金)		Chipping and pakker setting
9	Lube oil reservoir	1日	20/08/01(土)		Disassemble structure
0	Assemble sturcture	1日	20/08/01(土)		Lube oil reservoir 1
1	Open floor				Assemble sturcture
2		1日	20/09/28(月)		
	Lube oil filter with sturcture	2日	20/09/29 (火)		Lube oli filter with starcture
3	Lube oil cooler	1日	20/09/29 (火)		Halooo liic aduu
4	JOP for GEN	2日	20/10/01 (木)		JOP for GEN T
5	JOP for ST	2日	20/10/01 (木)	20/10/02 (金)	JOP for ST 置
3	Lube oil purifier unit	2日	20/10/01 (木)	20/10/02 (金)	Lube et purifier unit 👔
7	Lube oil transfer pump	2日	20/10/01 (木)	20/10/02 (金)	Lube of transfer pump
3	Lube oil accumulator	1日	20/10/01 (木)	20/10/01 (木)	Lube cil accumulator
3	Close floor	1日	20/10/02 (金)	20/10/02 (金)	Close floor
-	TCA filter support	8日	20/11/02(月)	20/11/10 (火)	www.bbgc.a

Installation HRSG was re-started from 23rd-Jun

 \cdot Installation Exhaust duct was re-started from 15st-May

2. To consider that structure of Takasago portion is delayed

4. To consider the delay of H/O date from PDC 5. Add the schedule of the electric work and the replacement the gantry crane for CWP

6-Jul-2020 Rev_e7 2022年 2021年06月2021年07月2021年06月2021年09月2021年10月2021年11月2021年12月2022年01月2022年02月202 5初生旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中旬下旬上旬中

Appendix J

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3	タスク名	20100	開始日	終了日	Construction Schedule of Unit-11	
					2020年 9年98月 2019年10月 2019年10月 2019年11月 2019年11月 2020年02月 2020年02月 2020年03月 2020年03月 2020年04月 2020年05月 2020年05月 2020年05月 2020年05月 2020年05月 2020年05月 2020年05月 2021年04月 2021年05月 2021年05月 2021年05月 2021年05月 2021年05月 2021年06月 2021年06月 2021年09月 2021年10月 2021年11月 2021年11月 2021年11月 2021年11月 2021年05月 2021年05月 2021年05月 2021年05月 2021年06月 2021年06月 2021年06月 2021年09月 2021年09月 2021年11月 2021年11月 2021年11月 2021年11月 2021年11月 2021年12月 2021年05月 2021年05月 2021年05月 2021年06月 2021年06月 2021年09月 2021年09月 2021年10月 2021年11月 2021年11月 2021年11月 2021年10日 1005月 2021年05月 2021年05月 2021年06月 2021年06月 2021年09月 2021年09月 2021年09月 2021年11月 2021年11月 2021年11月 2021年01日 20	20224F
	TCA filter	1日	20/11/11 (冰)	20/11/11 (水)	一中如下新上和中却下新上和中却下新上和中却下新上和中却下新上和中的一种的下新上和中的一种的下新上和中的下新上和中的下新上和中的下新上和中的下新上和中的下新上和中的下新上和中的下新上和中的下新上和中的下新上和中的下新上和中的一种的一种。	订2月 2022年01月 訂下旬上旬中旬下旬
2						118
3	9 East of MSB	142日?	20/04/28 (火)	20/10/09 (金)		1151
4	Chipping and pakker setting	15日	20/04/28 (火)	20/05/15(金)	Chipping and pokker setting	
5 📆	Light Oil main pump unit	2日	20/05/15(金)	20/05/16 (土)		
6	GT light oil last chance filter	2日	20/05/15(金)	20/05/16 (土)		6121
7 📾	GT light oil drain tank unit	2日	20/06/01(月)	20/06/02 (火)		
3	Pipe rack from L10 to L11 (except around EB02)	45日	20/06/08(月)	20/07/29 (水)		Et la
	Temp hanging Main Steam Piping	15日	20/07/30 (木)	20/08/15 (土)		
	Building structure for EB02	12日	20/07/10 (金)	20/07/24 (金)		
	Preassembly E802	52日	20/05/01 (金)	20/06/30 (火)		
	Lifting and installation EB02	2日	20/07/25 (土)	20/07/27 (月)		111
10 C	Sound proof around EB02	30日	20/07/28(火)	20/08/31(月)		8 T -
	Pipe rack from L10 to L11 (Above EB02)	30日	20/09/01 (火)	20/10/05 (月)	Sound proof around EB02 E	1111
	GT enclosure ventilation fan	2日	20/10/06 (火)	20/10/07 (水)		
	Oil mist separator unit	2日	20/10/08(木)	20/10/09 (金)		
	Oily drain pit sump pump	4日	20/05/18(月)	20/05/21 (木)	Oil milt teparator unit 1	4 U T
	Chemical drain pit sump pump	4日	20/05/22(金)	20/05/26(火)		h
-					Chemical drain pit; sump pump 💼	(-0 h
	10 North of HRSG	216日?	20/05/06 (水)	21/01/12 (火)		
	HRSG Blow down tank	2日	20/05/06 (水)	20/05/07 (木)		
	Chemical dosing system	2日	20/05/12 (火)	20/05/13 (水)	HRSG Blow down tankb	
	GT water injection system	2日	20/05/18(月)	20/05/19 (火)	Chemical dozing system	
	Lower Fuel gas heater	2日	20/06/03 (水)	20/06/04 (木)	GT water injection system	
	Support structure for FGH	3日	20/06/05(金)	20/06/08(月)	Lower Fuel gas heater: 1	11.1
	Upper Fuel gas Heater	2日	20/06/20 (土)	20/06/22(月)	Support structure for FGH	
	GT fuel gas flow meter	2日	20/07/30 (木)	20/07/31(金)	Upper Fuel gas Heater 🗋	Lit E
	FGH Maintenance platform	15日	20/07/30 (木)	20/08/15(土)	GT fuel gas flow moteries	
	FWP sun shade	30日	20/07/30 (木)	20/09/02 (水)	FGH Maintenance platform	
	Reserved feed water tank	14日	20/06/30(火)	20/07/15 (水)	FWP sun shade a	
**	Feed water pump	2日	20/08/01(土)	20/08/03(月)	Reserved feed water tenk.	
	LP-ECO Recirculation pump	2日	20/10/30(金)	20/10/31 (土)	Feed water pump	
	Dry air system for HRSG	2日	20/10/30(金)	20/10/31 (土)	LP=ECO Recirculation pump-i	1140
-	HRSG Topping up pump	1日	21/01/09 (土)	21/01/11(月)	Ory air system for HRSGH	1 1 1
	HRSG blowdown pit sump pump	2日	20/05/15 (金)	20/05/16 (土)	HRSG Topping up pump 🛃	1116
-	HRSG Washing water sump pump	2日	21/01/11(月)	21/01/12(火)	HRSG blowdown pit sump pump I	
				-	HRSG Weishing water sump pump	
1.	12 CCW cooler area	87日	20/05/15(金)	20/08/24(月)		
	Chipping and pakker setting	10日	20/05/15(金)	20/05/26 (火)		
	Civil finish casting trench at west side of CCW-C area	1日	20/06/30 (火)	20/06/30 (火)	Chipping and pakker setting	
	Sea water booster pump	4日	20/07/01 (水)	20/07/04 (土)	Civil finish casting trench at west side of COW-C area 1	
	CW vent pump and seal water booster	4日	20/07/01 (水)	20/07/04 (土)	Sea water booster pump	
	Condenser tube cleaning unit	4日	20/07/01 (水)	20/07/04 (土)	¢W vent pump and seal water booster	
œ	CCW cooler	4日	20/07/01 (水)	20/07/04 (土)	Condenser tube cleaning unit	
	CCW cooler sun shade	20日	20/08/01(土)	20/08/24(月)	CCW cooler	

Installation HRSG was re-started from 23rd-Jun

Installation Exhaust duct was re-started from15st-May

2. To consider that structure of Takasago portion is delayed

4. To consider the delay of H/O date from PDC
 5. Add the schedule of the electric work and the replacement the gantry crane for CWP

	タスク名	期間	開始日	終了日		
			1000000	and the set	2020年 9年08日 2019年10日 2019年11日 2019年11月	年
0	Sea water sump pump	4日	20/06/02 (火)	20/06/05 (金)	2022年 9年08月 2019年09月 2019年10月 2019年11月 2019年11月 2019年11月 2020年03月 2020年03月 2020年03月 2020年03月 2020年05月 2020年11月 2020年11月 2020年12月 2021年05月 2021年11月 2021年12月 2022年11月 2022年11月 2021年12月 2022年11月 2021年12月 2022年11月 2021年11月 2021年11日	#01月 202 何下句上句
					Sea water tump pump	
603	TCA cooler	2日	20/10/28 (水)	20/10/30 (金)		
1	Dismantle the temporary slope at south side of HRSG	20日	21/02/01 (月)	21/02/24 (水)	TCA dooler M	15
	CO2 Fire fighting	50日	21/04/16 (金)	21/06/12(土)	Dismantie the temporary slope at south side of HRSO-IIIIIIIIA	
	UTAC system	90日	21/03/01(月)	21/06/12(土)	1002-Fire-fighting	
	Silencer at MSB roof	3日	20/10/28 (水)	20/10/30 (金)	UTAC system	
	LPS to LMX LO transfer pump for U-11	2日	20/06/08(月)	20/06/09 (火)	Silencer at MSB roof/#	
d.					LPS to LMX LO transfer pump for U=11	
0	Sea water intake area	52日	20/08/06 (木)	20/10/05(月)		
8	Marking center line	3日	20/08/06 (木)	20/08/10(月)	Ses waterivitako area 🐨	1.1.1
	Chipping and pakker setting	7日	20/08/10(月)	20/08/18(火)	Marking conter line	
	Setting the baseplate	3日	20/08/18(火)	20/08/21(金)	Chipping and pakker setting	
	Grouting	15日	20/08/21 (金)	20/09/08 (火)	Setting the baseplate the	
	Circulating water pump	10日	20/09/08 (火)	20/09/18(金)	Grouting	
	Circulating water pump outlet piping	2日	20/09/19(±)	20/09/21(月)	Circulating water purch	
	Auxiliary circulation water pump	2日	20/09/09(水)	20/09/10 (木)	Circulating water pump ceithet piping	
-	Electro chlorination plant	3日	20/10/01 (木)	20/10/03 (土)	Auxiliary circulation water pump 1	
	Cathodic protection	1日	20/10/05(月)		Electro chlorintidei plant 👷	
	Screen system	8日	20/09/22 (火)		Carthodic protection T	113
	Screen wash water pump	2日	20/09/11(金)	20/09/12(土)	Scrpen system 🏜	
		2			Screen wash water pump	
-	Replacement of Gantry crane for CW pump	70日	20/11/11(水)	21/01/30(土)		1.14
	Dismantling Old gantry crane	30日	20/11/11(水)	20/12/16(水)		
	Assembling New gantry crane	30日	20/12/28(月) :	21/01/30(土)	Dismantling Old gentry crane	1.1
					Assembling: New gamery crane-	
	11 Tranceformer area	183日	20/05/01(金) :	20/11/30(月)		
-	Preparation work in the area (If applicable)	53日	20/05/01(金) 2	20/07/02 (木)	11 Tranceformer area	
	Preparation the installation	25日	20/07/02(木) 2	20/07/30(木)	Preparation work in the area (If applicable)	1.1
-	Preparation for Generator transformer	10日	20/08/19 (水) 2	20/08/31(月)	Preparation the installation at the second	
	Generator tranceformer	3日	20/08/31(月) 2		Preparation for Generator transformer	
			20/08/01(土) 2		Generator tranceformet#	
			20/08/03(月) 2		Unit tanceformer	
-			20/08/04 (火) 2		SFC transformer	(th
			20/08/05(水) 2		Excitation transformer 1	
			20/07/25(土) 2		Auxiliary transformer 1	
			20/08/20(木) 2		Trans area oliy drain sump.pump¥II	
			_		Transformer ancillaries. Transformer ancillaries de la construction de la construction de la construction de la	
E	ectrical work	165日?	20/05/07(木) 2	1/10/30 (±.)		
			20/09/25(金) 2			
			20/10/08(木) 2		Generator: Arcellaries	
			20/10/31(土) 2		Lifting IPB Bass & Supports SSEXXXX	
			20/08/29(土) 2		IHB Bass & Supports	111
-			20/08/29(上) 2 20/09/01(火) 2		D/B GMCB 📕	
			20/09/01(反) 2 20/06/01(月) 2		IPB & GMCB(UN MSB:26)	

Installation HRSG was re-started from 23rd-Jun

Installation Exhaust duct was re-started from15st-May

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Appendix J

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92.0%	XH DA	開始目	終了日	Construction Schedule of Unit-11
	100015	NOSTION .	2.95724	2020年 会任 RB 目 2019年 11月 2
UPS, Battery & Battery Charger (in MSB 4F)	79日	20/08/01 (土)	20/10/31(土)	2022年 9年08月 2019年09月2019年10月 2019年11月2019年11月2019年11月2019年11月2020年03月2020年03月2020年03月2020年05月2020年05月2020年05月2020年05月2020年05月2020年05月2020年05月2020年05月2020年05月2020年05月2020年05月2020年05月2020年11月2020年11月2020年11月2020年11月2020年11月2020年11月2021年03月2021年03月2021年05月2021年05月2021年05月2021年05月2021年09月2021年05月2021年09月2021年10月2021年11月2021年11月2021年11月2021年11月2021年11月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年10月2021年10月2021年11月2021年11月2021年11月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年10月2021年11月2021年11月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年10月2021年11月2021年11月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年05月2021年10月2021年11月2021年11月2021年05月2021年11月2
DCS & Others (in MSB 5F)	78日	20/09/01 (火)	20/11/30(月)	UPS, Battery & Battery Charger (in MSB 4F)
AC/DC Busduct	105日	20/10/01 (木)	21/01/30(土)	DCS & Others (in MSB 5 ¹⁷)
HRSG Equipment	78日	20/08/01(土)	20/10/30 (金)	AC/DC Bunduct, and an and a
Local panel (GT/ST TB, Local control box etc	155日	20/10/01 (木)	21/03/30(火)	HRSG Equipment
Local Instrument Enclosure	182日	20/10/01 (木)	21/04/30(金)	Local panel (GT/ST TB, Local control box etc)
Cable Tray & Supports (Erectrical room of MS	3) 165日	20/05/07 (木)	20/11/14 (土)	Local Instrument Enclosure)
Cable Tray & Supports (MSB - HRSG)	98日	20/08/11(火)	20/12/02 (水)	Cable Tray & Supports (Erectrical room of MSB)
Cable Tray & Supports (HRSG)	105日	20/10/01 (木)	21/01/30(土)	Cable Tray & Supports (MSB - HiRSG)
Cable Tray & Supports (Chimney)	78日	20/11/02(月)	21/01/30(土)	Cable Tray & Supports (HRSG) English and an an
Exposed Cinduit (MSB)	130日	20/10/01 (木)	21/03/01(月)	Cable Tray & Supports (Chimney).
Exposed Cinduit (HRSG)	103日	21/02/01(月)		Exposed Criduit (MSB)
Exposed Cinduit (Island equipment)	130日	21/02/01(月)		Exposed Cinduit (HRSC)
Cabling (for Power Receiving)	119日	20/08/15(土)		Exosed Cinduit (Island equipment))
Cabling (for MSB Local, to HRSG)	155日	20/11/02(月)		Cabling (for Power Receiving)
Cabling (for HRSG)				Cabling (for MSB Local, to HRSG)
		21/03/01(月)		Cabling (for HRSQ)-
		21/03/01(月)		Cabling (for Island equipment)
Termination & Cable check	365日	20/09/01 (火)		Termination & Cable check
Earthing System	339日	20/08/01(土)		Earthing System
Local Instrument	339日	20/09/01 (火)	21/09/30(木)	Local Instrument
Instrument Piping & Tubing	262日	20/10/01 (木)	21/08/02(月)	Instrument Pring & Tubing
Instrument Calibration & Testing	365日	20/09/01 (火)	21/10/30(土)	Instrument Calibration & Testing
Piping	392日	20/08/10(月)	21/11/10(7K)	Piele -
Main Piping	244日	20/08/20(木)	21/05/31(月)	Mairi Piping
Around HRSG	150日	20/11/17 (火)	21/05/10(月)	Around (HRSO)
North side of MSB	222日	20/08/20(木)	21/05/05 (水)	North side of MSB
South side of MSB (around gland condenser)	200日	20/09/15(火) :	21/05/05 (水)	South side of MSB (around gland condenser)
Ead piping	60日	20/11/06(金)	21/01/14(木)	Lead piping
Preparation Hydrostatic test	30日	21/04/17(土) :	21/05/22(土)	Preparation Hydrostatio test
Hydrostatic test (Can't promise)	1日	21/05/31(月) 2	21/05/31(月)	%TDK challenge to move "hydro" up to 31st-May-2021 Hydrostatic test (Can't promise) → 05/31
BOP for lube oil and cooling	247日	20/08/10(月) 2	21/05/24 (月)	BOP for lube oil and cooling:
North side of MSB (around CCW)	230日	20/08/10(月) 2	21/05/04 (火)	North side of MSB (irround CCW)
South side of MSB (around Lube oil reservoir)150日	20/11/20(金) 2	21/05/13 (木)	
Receiving Lube Oil	1日	21/05/24(月) 2	21/05/24(月)	South side of MSE (around Lube oil resurvoir)
Others BOP	230日	20/12/11(金) 2	21/09/04 (土)	Receiving Lube Oil 94 05/24
Others BOP	230日	20/12/11(金) 2	21/09/04(土)	Others BOP
Assembly the blowing out piping	80日	21/08/09(月) 2	1/11/10 (水)	Others BOP
				Assembly the blowing out piping
Grane	480日	19/12/16(月) 2	1/06/29 (火)	
Recombination of 500tonC/C	3日	20/01/03(金) 2	0/01/06(月)	Crane 🖤
Operate 500tonC/C (with JIB)	10日	20/01/07 (火) 2	0/01/17(金)	Recombination of 500tonC/C 11
Dismantling 500tonC/C	4日	20/01/18(土) 2	0/01/22 (水)	Operate 500tonC/C (with JtB)
Assembly 1250C/C		20/02/14 (金) 2		Dismantling 500ton//C
Operate 1250tonC/C for HRSG		20/02/26 (水) 2		Assembly 1250C/C

Installation HRSG was re-started from 23rd-Jun

Installation Exhaust duct was re-started from15st-May

2. To consider that structure of Takasago portion is delayed

4. To consider the delay of H/O date from PDC 5. Add the schedule of the electric work and the replacement the gantry crane for CWP

2	スク名	MARTIN	開始日		
					unate
0	Operate 1250tonC/C for GT Air Inlet	25日	20/08/27 (木)	2020年 9年08月 2019年09月2019年10月 2019年11月 2019年11月 2019年11月 2019年11月 2020年0月 2020年0月 2020年09月 2020年03月 2020年05月 2020年05月 2020年05月 2020年05月 2020年06月 2020年07月 2020年06月 2020年07月 2020年07月 2021年01月 2021年01月 2021年05月 2021年05月 2021年05月 2021年07月 2021年07月 2021年07月 2021年08月 2021年10月 2021年10月 2021年11月 2021年11月 2021年11月 2021年11月 2021年11月 2021年07月 2021年05月 2021年05月 2021年07月 2021年07月 2021年08月 2021年09月 2021年10月 2021年11月 2021年11日 2011年11日 2011年11日 2011年11日 201	022年 022年0 前中旬
	Operate 1250tonC/C with additional C/W for inlet	2日	20/08/25 (火)	Operate 1250tonC/C for GT Air interesting	
	Operate 1250C/C with additional C/W for tube bundle	27日	20/09/25(金)	Operate 1250tonC/C with additional C/W for inletK	
	Dismantling 1250tonC/C	10日	20/12/10 (木)	Operate 1250C/C with additional C/W for table tonide 111111111 (
	Assembly 600tonC/C	4日	20/08/20 (木)	25 (火) Dismanting 1250tonC/C 🎽	
	Operate 600tonC/C (without JIB)	54日	20/08/25(火)	26 (月)	
	Dismantling 600tonC/C	4日	20/10/27 (火)	Operate 600torC/C (without JIB)	
-	Assemby 750tonA/C for Condenser	4日	20/04/03 (金)	Disminiting 600tooC/C 🍯	
	Operate 750tonA/C for Condenser	22日	20/04/07 (火)	Assemby 750tonA/C for Condenser	
	Dismantling 750tonA/C for Condenser		20/04/18(土)	Operate 750toruA/C for Condenser	
			20/10/29 (木)	Dismantling 750tonA/C for Condenser	
			20/10/30(金)	Assemby 500 on A/C for Exhaust duct N	
			20/11/19(木)	Operate 500/conA/C for Exhaust duct	
	(Support)			Operate 500tonA/C for HRSG outer duet (Support)	
			20/11/20(金)	Dismangling 500tonA/Q for Exhaust duot	
			20/10/05(月)	Ausembly jib to 22DionA/C H	
			20/10/07 (水)	Operate 220(anA/C with jb)	
			20/12/07(月)	Disassembly jib from 220tonA/C	
			19/12/16(月)	250tor A/C	
	200tonA/C	480日	19/12/16(月)	29 (火)	
		190日	20/03/11 (水)	Equipment for heavy lifting	
	SARLIFT	50日	20/03/11 (水)	SARLIFT	
	Assembly the rail for SARLIFT	22日	20/03/11 (水)	Assembly the rail for SARLIFT	
	Assembly the SARLIFT proper	8日	20/04/05(日)	Assembly the SAFLIFT proper	
	Dismantling the SARLIFT	15日	20/04/20(月)		
	Gantry system	46日	20/08/03(月)		
	Assembly the Gantry for powertrain	21日	20/08/03(月)		
	Disassembly the Gantry	15日	20/09/08(火) ;		
	Unit carrier	176日	20/03/27 (金) 2	6 (金)	
	Preparation for transportation the Condenser	4日	20/03/27(金) 2		
	Transportation the Condenser	2日 :	20/04/01 (水) 2		
	Disassembling Unit carrier	日 :	20/04/03(金) 2	3 (金)	
	Assembling Unit carrier for Tube Bundle		20/09/15(火) 2		
	Transportation the Tube Bundle part1	6日 3	20/09/16(7K) 2		
	Disassembling Unit carrier	E 3	20/09/22(火) 2		
	Assembling Unit carrier for Tube Bundle	日 :	20/10/09(金) 2		
	Transportation the Tube Bundle part2	ie :	20/10/10(土) 2		
	Disassembling Unit carrier 1	日 2	20/10/16(金) 2	6 (金)	8
	Assembling Unit carrier for Power Train	E 2	20/08/21(金) 2	5 (الله) Disasternbling Unit carrier	
	Test operation for transportation of Power 1		20/08/25(火) 2	Assembling Unit carrier for Power Train	
	Irain		20/08/31(月) 2	Test operation for transportation of Power Train	
			20/09/01(火) 2	Transportation the Transformer	
			20/09/03(木) 2	Transportation the Gas Turbine Proper	
				Transportation the Generator	

Installation HRSG was re-started from 23rd-Jun

Installation Exhaust duct was re-started from15st-May

2. To consider that structure of Takasago portion is delayed

4. To consider the delay of H/O date from PDC 5. Add the schedule of the electric work and the replacement the gantry crane for CWP

6-Ju	1-2020

Appendix J

Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit L12

KEY DATES & MILESTONES	Duration 1123 days	Start Fri 4/12/20	Finish Sun 31/12/23		
Contract Period Deferred Work Completion Key Dates Substantial Completion of the Whole Contract Works (1123 Days)	1123 days 784 days 0 days	Fri 4/12/20 Mon 8/11/21 Sun 31/12/23	Sun 31/12/23 Sun 31/12/23 Sun 31/12/23	3	
Substantial Completion of the Whole Contract Works (112) Days) SITE POSSESSION DATES Site Possession Date as phased site possesion plan and PS14.2	513 days 0 days	<u>Fri 4/12/20</u>	Sun 31/12/23 Sun 1/5/22 Fri 4/12/20		
Site Possession Date as phased site possession plan and PS1.4.2 Site Possession Date as phased site possession plan and PS1.4.2 Site Possession Date as phased site possession plan and PS1.4.2	0 days 0 days 0 days	Fri 4/12/20 Fri 1/1/21 Sat 1/5/21	Fri 1/1/21 Sat 1/5/21	Site Possession Date as phased site possession plan and PS1.4.2	
Site Possession Date as phased site possession plan and PS14.2 Site Possession Date as phased site possesion plan and PS14.2	0 days 0 days	Fri 1/10/21 Fri 1/4/22	Fri 1/10/21 Fri 1/4/22		
Site Possession Date as phased site possesion plan and PS1.4.2 COMPLETION DATES as per PS1.4.2 Time for Completion	0 days 609 days	Sun 1/5/22 Wed 30/6/21	Sun 1/5/22 Tue 28/2/23		
Section A1 (i) - Area south of L12 MSB and L12 HRSG from GL12-F eastwards leading to Chimney Road at Area F1 & F2	0 days	Thu 30/9/21	Thu 30/9/21	1	
Section A1 (ii) - Supporting structures for overhead cranes of L12 MSB including the associated roof structure except the roof deferred works	0 days	Thu 30/9/21	Thu 30/9/21	1	
Section A2 (i) External Works including CW Inlet Culvert at Area F8A Section A2 (ii) External Works including CW Inlet Culvert at Area F8B	0 days 0 days	Thu 30/9/21 Thu 31/3/22	Thu 30/9/21 Thu 31/3/22		
Section A2 (iii) External Works including CW Inlet Culvert at Area F8C	0 days	Thu 31/3/22	Thu 31/3/22 Wed 15/12/21		
Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road at Area F3 Section B2 (i)- Southern Part of L12 HRSG areas and its surrounding refer to Area F6B as shown in drawing no 55	0 days 0 days	Wed 15/12/21	Tue 31/8/21		
Section B2 (ii) - Remaining northern part of Ll2 HRSG area and its surrounding at Area F6A and F6C	0 days	Mon 15/11/21	Mon 15/11/21	1	
Section B2 - (iii) L12 Turbo Block foundation including the L12 MSB ground floor together with the equipment foundations between GL 12-F to 12-H and 12-1 to 12-6 for the installation of power generator, air inlet duct and lube oil reservoir Section B2 - (iv) G/F of L12 MSB including the Condenser Pit, Circulating Water Pipe Pit	0 days 0 days	Sat 15/1/22 Wed 15/12/21	Sat 15/1/22 Wed 15/12/21		
and equipment foundations between GL 12-B to 12-C and 12-1 to 12-6 for the installation of condenser	0 days	Wed 15/12/21	Wed 15/12/21		
Section C - (i) Roads and external grounds surrounding L12 MSB and L12 HRSG in addition to the southern & eastern areas mentioned above in Area F5	0 days	Sat 15/1/22	Sat 15/1/22	2	
Section C - (ii) Whole of L12 MSB including the pipe and cable rack along south façade of L12 MSB with all underground utilities at Area F4 including C.W. Inlet and Outlet Culvert except the deferred works	0 days	Sat 15/1/22	Sat 15/1/22	2	
Section C - (iii) Link Bridge between L11 and L12 MSB including their associated A&A at	0 days	Sat 15/1/22	Sat 15/1/22	2	
L11 MSB Section D - (i) Microwave Antenna Room and Chimney Windshiled for the installation of	0 days	Wed 30/6/21	Wed 30/6/21	21	
miscrowave equipment and antenna Section D (ii) - No. 5 Chimney with L12 Steel Flue liner Section E (ii) - Room of Administrative and Control Building	0 days	Sat 30/4/22	Sat 30/4/22		
Section E (i) Tx Room of Adminintration and Control Building Section E (ii) - G/F, 1/F, 2/F & Hoisting Well of Admin. & Control Building Section E (iii) - Whole of Admin. And Control Building	0 days 0 days	Sun 31/10/21 Mon 28/2/22	Sun 31/10/21 Mon 28/2/22		
Section E (iii) - Whole of Admin. And Control Building Section F (i) - Gas Receiving Station and L12 Gas Receiving Station Equipment Room	0 days 0 days	Sat 30/4/22 Thu 30/6/22	Sat 30/4/22 Thu 30/6/22		
(GRS) Area Extension at Area F14 Setion F (iii) - Pipe and Cable rack and external work at Area F9A and F9B	0 days	Tue 31/5/22	Tue 31/5/22		
Section F (iii) - No. 5 CW Equipment Room, pipe and cable rack, external works at Area F10 Section G (i) - External Work surrounding Area F11 Section G (ii) - External Worke at Area F12 & F13	0 days 0 days	Thu 30/6/22 Fri 30/9/22	Thu 30/6/22 Fri 30/9/22		
Section G (ii) - External Works at Area F12 & F13 Section G (iii) - FS Modification works along South Seafront Road at Area F15 Section G (iv) - 275K/ cable tenches and External Works at Area F16	0 days 0 days 0 days	Fri 30/9/22 Fri 30/9/22 Fri 30/9/22	Fri 30/9/22 Fri 30/9/22 Fri 30/9/22		
Section G (iv) - 275kV cable trenches and External Works at Area F16 Section G (v) - Shunt Reactor Compound and External Works at Area F17 Section G (vi) - 275kV cable trenches and External Works at Area F18	0 days 0 days 0 days	Fri 30/9/22 Fri 30/9/22 Wed 1/6/22	Fri 30/9/22 Fri 30/9/22 Wed 1/6/22		
Section G (vi) - 27.5V cable trenches and External Works at Area F18 Section G (vii) - Flood Wall at No. 4 CW Intake Area along HUA at Area F20A Section G (viii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20B	0 days 0 days 0 days	Thu 30/9/21 Fri 30/9/22	Thu 30/9/21 Fri 30/9/22		
Section G (viii) - Hood wall at No. 5 UV Intake Area along HUA at Area F20B Section G (ix) - Bund wall modification works at South Seafront Road at Area F21 Section G (x) - DAX Cable Diversion Works (from Part I to Part IV)	0 days 0 days 0 days	Wed 30/6/21 Sat 31/12/22	Wed 30/6/21 Sat 31/12/22		
Section H - All remaining works shall be completed for reporting completion to BD and ready for OP inspection GENERAL & PRELIMINARY	0 days	Tue 28/2/23	Tue 28/2/23	3	
First Mobilization Set up Temporary Site Office and Welfare Factiliites Permit Applications & Statuary Submissions	18 days 90 days 120 days	Fri 4/12/20 Fri 4/12/20 Tue 22/12/20 Mon 22/3/21	Mon 21/12/20 Sun 21/3/21 Mon 19/7/21	0 n	Set up Tempo
Existing Utilities scanning & Excavation Permit	45 days	Tue 22/12/20	Thu 4/2/21	Existing Utilities scanning & Excavation Permit	
Tower Crane erections FECHNICAL SUBMISSION AND APPROVAL	60 days 314 days	Sun 27/12/20 Thu 10/12/20	Wed 24/2/21 Wed 20/10/2		
BD Approval & Consent (If required) Submission and Approval of Master Programme	0 days 14 days	Thu 10/12/20 Fri 11/12/20	Thu 10/12/20 Thu 24/12/20		
Work Execuation Overal Plan submission & approval Material Submissions and approval	14 days 300 days	Fri 11/12/20 Fri 25/12/20	Thu 24/12/20 Wed 20/10/21		
Method Statement submission and approval BIM Model, CSD & CBWD Submission & approval	300 days 120 days	Fri 25/12/20 Fri 25/12/20	Wed 20/10/21 Fri 23/4/21		
Structure Steelwork Connection Design Submission & BD approval Structure Steelwork Shop Drawing & Approval	45 days 30 days	Tue 29/12/20 Fri 12/2/21	Thu 11/2/21 Sat 13/3/21		
Metal Cladding, louvre & windows submission & BD approval Metal Cladding, louvre & windows shop drawing submission	45 days 45 days	Tue 29/12/20 Fri 12/2/21	Thu 11/2/21 Sun 28/3/21	1 Metal Cladding, louvre & windows submission & BD approval	м
Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres) ELS Submission and BD approval	120 days	Mon 29/3/21 Fri 11/12/20	Mon 26/7/21 Wed 10/3/21	21	ad BD approv
No. 5 Chimney windshield temporary work submission, approval & fabrication	90 days 60 days	Fri 11/12/20	Mon 8/2/21	No. 5 Chimney windshield temporary work submission, approval & fa	
Steel Flue Assessment Report and Design Drawings submission & approval Folding Shutters Shop Drawing Submission & Approval	60 days 30 days	Tue 9/2/21 Thu 11/2/21	Fri 9/4/21 Fri 12/3/21	Folding Shutters	s Shop Draw
Fabrication & Delivery of Folding Shutters Sewage Pump System Design submission & approval	180 days 45 days	Sat 13/3/21 Tue 23/2/21	Wed 8/9/21 Thu 8/4/21		
Fabrication & Delivery of Sewage Pump Other material submission & approval & delivery	180 days 180 days	Fri 9/4/21 Sat 24/4/21	Tue 5/10/21 Wed 20/10/21	21	
Other material submission & approval & delivery CONSTRUCTION	180 days 1123 days	Sat 24/4/21 Fri 4/12/20	Wed 20/10/21 Sun 31/12/23	3	
Coordination with the Employer's Specialist Contractors Installation of Puddle Pipes at C.W. outlet Culvert	421 days 7 days	Mon 22/3/21 Mon 22/3/21	Mon 16/5/22 Sun 28/3/21		IDK
Installation of Puddle Pipes at C.W. Inlet Culvert Template setting at L12 Turbo Block Foundation	7 days 45 days	Tue 11/5/21 Thu 28/10/21	Mon 17/5/21 Sat 11/12/21	21	
Template setting of holding down bolts at HRSG column base I-beam / channel base installation on top of transformer foundations at Transformer Area	45 days	Sun 6/6/21 Tue 1/6/21	Tue 20/7/21 Thu 15/7/21	1	
-	45 days				
Overhead crane erection at turbine hall using access through a temporary opening at L12 MSB roof between GL12-G to 12-H and 12-2 to 12-6 Condenser assembly and erection using access through a temporary façade opening at L12 MSB below 1/F along GL 12-6 from GL12-B to 12-C including a clear space below	38 days 122 days	Fri 1/10/21 Thu 16/12/21	Sun 7/11/21 Sat 16/4/22		
1/F between GL 12-B to 12-C Installation of power train equipment including air inlet duct using access through a temporary façade opening at L12 MSB below 1/F along GL 12-6 from GL12-F to 12-H	121 days	Sun 16/1/22	Mon 16/5/22		
including a clear space below 1/F of the above area Installation of embedded materials such as holding down bolts for equipment	0 days	Thu 15/4/21	Thu 15/4/21		
foundations - Commencement Section A1 (i) - Area south of L12 MSB and L12 HRSG from GL12-F eastwards leading to Chimney Road at Area F1 & F2	<u>301 days</u>	<u>Fri 4/12/20</u>	<u>Thu 30/9/21</u>	1	
Area Possession & Clearance Subletting / Fabrication / Delivery (both for Area F1 and Area F2)	30 days 60 days	Fri 4/12/20 Sun 17/1/21	Sat 2/1/21 Wed 17/3/21		ing / Fabrica
Excavation for CW Inlet Culvert (Type D Construction Area) Installation CW Inlet Culvert pipe + testing	14 days 30 days	Mon 8/3/21 Mon 22/3/21	Sun 21/3/21 Tue 20/4/21		Excavation fo
Construction of Thrust Box & Manholes,etc Backfill	14 days 14 days	Wed 21/4/21 Wed 5/5/21	Tue 20/4/21 Tue 4/5/21 Tue 18/5/21		
Construction UG Utilities 2m deep below further surface	30 days	Thu 19/8/21	Fri 17/9/21		
Temporary Paving and handover for plant erection <u>Section A1 (ii) - Supporting structures for overhead cranes of L12 MSB including the</u> <u>associated roof structure except the roof deferred workss</u>	13 days <u>301 days</u>	Sat 18/9/21 Fri 4/12/20	Thu 30/9/21 Thu 30/9/21		
Area Possession & Clearance Subletting / Fabrication / Delivery	45 days 210 days	Fri 4/12/20 Sun 17/1/21	Sun 17/1/21 Sat 14/8/21	Area Possession & Clearance	
Complete structural steel erection	0 days 18 days	Mon 6/9/21 Tue 7/9/21	Mon 6/9/21 Fri 24/9/21		
Construction of roof slab (except defer work) Touch up and handover for install overhead cranes	21 days 3 days	Tue 7/9/21 Tue 28/9/21	Mon 27/9/21 Thu 30/9/21		
Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation	301 days 30 days	Fri 4/12/20 Fri 4/12/20	Thu 30/9/21 Sat 2/1/21		
Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance	30 days 14 days	Fri 18/12/20 Sat 2/1/21	Sat 2/1/21 Sat 16/1/21 Fri 15/1/21	Subletting / Fabrication / Delivery (both for Area F8A-F8B)	
Instal Robet pile BD Consent for ELS	55 days 28 days	Sat 16/1/21 Fri 12/3/21	Thu 11/3/21 Thu 8/4/21	Install Sheet pile	
ELS and install CW Inlet Pipe (NW to N direction) Construction of Thrust Box & Manholes,etc	60 days 36 days	Fri 9/4/21 Tue 8/6/21	Mon 7/6/21 Tue 13/7/21		
Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B	79 days 483 days	Wed 14/7/21 Fri 4/12/20	Thu 30/9/21 Thu 31/3/22		
Area Possession & Clearance BD consent for Sheetpile installation	30 days 30 days	Mon 1/2/21 Fri 4/12/20	Tue 2/3/21 Sat 2/1/21	BD consent for Sheetpile installation	
Install Sheet pile	90 days	Fri 2/4/21	Wed 30/6/21		
SED MASTER PROGRAMME PaulY Task Split Split		Milestone 🔶	Su	Summary	

Appendix J

struction of CW O

Backfill and on-grad

Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit L12 MASTER PROGRAMME ID 112 Thu 1/7/21 Wed 28/7/21 BD Consent for ELS 28 days ELS and install CW Inlet Pipe Construction of Thrust Box & Manholes,etc 113 90 days Thu 29/7/21 Tue 26/10/21 114 Wed 27/10/21 Sat 25/12/21 60 days 115 Backfill, UG Utilities and Road Paving 96 days Sun 26/12/21 Thu 31/3/22 116 Section A2 (iii) External Works including CW Inlet Culvert at Area F8C 182 days Fri 1/10/21 Thu 31/3/22 117 Area Possession & Clearance 30 days Fri 1/10/21 Sat 30/10/21 118 Subletting / Fabrication / Delivery (for Area F8C) 60 days Fri 1/10/21 Mon 29/11/21 BD consent for Sheetpile installation Fri 1/10/21 Sat 30/10/21 119 30 days Install Sheet pile 120 34 days Sun 31/10/21 Fri 3/12/21 121 BD Consent for ELS 28 days Sat 4/12/21 Fri 31/12/21 ELS and install CW Inlet Pipe 122 40 days Sat 1/1/22 Wed 9/2/22 123 Construction of Thrust Box & Manholes,etc 30 days Thu 10/2/22 Fri 11/3/22 20 days 124 Backfill, UG Utilities and Road Paving Sat 12/3/22 Thu 31/3/22 125 Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road Wed 15/12/21 377 days Fri 4/12/20 at Area F3 126 Fri 4/12/20 Area Possession & Clearance 30 days Sat 2/1/21 Area Possession & Clearance 127 Subletting / Fabrication / Deliver 120 days Fri 25/12/20 Fri 23/4/21 128 Complete CW Pipe Installation & Thrust box 45 days Fri 7/5/21 Sun 20/6/21 129 14 days Mon 21/6/21 Sun 4/7/21 Backfill Construction of Storm Drain & Manholes 130 80 days Tue 7/9/21 Thu 25/11/21 131 Wed 15/12/21 Temp Paving and handover for Condenser Move in 20 days Fri 26/11/21 132 Section B2 - (i) Southern part of L12 HRSG area and its surrounding at Area F6B 243 days Fri 1/1/21 Tue 31/8/21 including the foundations for Gas Exhaust Duct 133 30 days Sat 2/1/21 Sun 31/1/21 Area Possession & Clearance Subletting / Fabrication / Delivery (for F6B Civil and E&M) 120 days 35 days 134 Sat 2/1/21 Sat 1/5/21 135 Construction of Underground pits Mon 1/2/21 Sun 7/3/21 Construction of Underground pits 136 Excavation & Construct Pile Caps & Tie Beams & Piers 60 days Mon 8/3/21 Thu 6/5/21 137 Construction HRSG & Gas Duct foundations Fri 7/5/21 Sun 20/6/21 45 days Construction of HRSG Equipment Room incl. ABWF & BS (except T&C) 138 150 days Sun 4/4/21 Tue 31/8/21 139 Wed 28/4/21 Fri 11/6/21 Construction underground utilities within HRSG 45 days 140 Tue 10/8/21 Backfill & Construction on-grade slabs & RC plinths on top 60 days Sat 12/6/21 21 days Backfill and Temporary paving Section B2 (ii) - Remaining northern part of LI2 HRSG area and its surrounding at Area F6A and F6C 141 Wed 11/8/21 Tue 31/8/21 Fri 1/1/21 142 319 days Mon 15/11/21 143 Area Possessiong and Clearance at Area F6A 30 days Sat 2/1/21 Sun 31/1/21 Area Possessiong and Clearance at Area F6A 144 Subletting / Fabrication / Delivery (for Area F6A and F6C civil) 90 days Sat 2/1/21 Thu 1/4/21 enstruction of Underground pits 145 Construction of Underground pits 30 days Sat 2/1/2 Sun 31/1/21 Excavation & Construct Pile Caps & Tie Beams & Piers 146 60 days Mon 1/2/21 Thu 1/4/21 21 days 147 Construction underground utilities within HRSG Fri 2/4/21 Thu 22/4/21 Backfill & Construction on-grade slabs & RC plinths on top Fri 23/4/21 Thu 13/5/21 148 21 days 149 Construct RC Walls 90 days Fri 4/6/21 Wed 1/9/21 Thu 2/9/21 Mon 1/11/21 Sun 31/10/21 Mon 15/11/21 150 Construction of Underground utilities at F6C 60 days Backfill and Temporary paving 15 days Section B2 - (iii) L12 Turbo Block foundation including the L12 MSB ground floor 152 Sat 15/1/22 <u>408 days</u> Fri 4/12/20 together with the equipment foundations between GL 12-F to 12-H and 12-1 to 12-6 for the installation of power generator, air inlet duct and lube oil reservoir Area Possession & Clearance 153 45 days Fri 4/12/20 Sun 17/1/21 Area Possession & Clearance Subletting / Fabrication / Delivery (Civil+ABWF+BS for MSBL12) 154 150 days Fri 25/12/20 Sun 23/5/21 Complete excavation at Type A&C Construction Area 155 Complete excavation at Type A&C Construction Area Sat 30/1/21 0 days Sat 30/1/21 156 Excavation & Pile Caps & Tie Beams + Slabs (Turbo Block North) 75 days Sun 31/1/21 Thu 15/4/21 157 Sat 10/7/21 Backfill and construction turbine block & equipment foundation 40 days Tue 1/6/21 158 Mon 31/5/21 Excavation & Pile Caps & Tie Beams + Slabs (Turbo Block South) Sat 17/4/21 45 days Construction of internal drainage & on-grade slab Construction turbine block columns and upper portion for plant embed installation 159 30 days Sun 11/7/21 Mon 9/8/21 160 21 days Tue 7/9/21 Mon 27/9/21 161 Concrete Turbine upper part foundation & clear falsework Construction of Lube Oil Room Tue 28/9/21 30 days Wed 27/10/21 162 45 days Thu 28/10/21 Sat 11/12/21 163 Concrete RC walls 50 days Tue 7/9/21 Tue 26/10/21 Thu 4/11/21 Fri 19/11/21 Fri 3/12/21 Sun 2/1/22 164 ABFW Works 30 day Building Services Works 45 days 165 Mon 3/1/22 166 Remove temporary falsework and scaffolding for installation of power generator 13 days Sat 15/1/22 Section B2 - (iv) G/F of L12 MSB including the Condenser Pit, Circulating Water Pipe Pit and equipment foundations between GL 12-B to 12-C and 12-1 to 12-6 for the 167 <u>377 days</u> Fri 4/12/20 Wed 15/12/21 installation of condenser 168 Area Possession & Clearance Subletting / Fabrication / Delivery (for MSB L12 civil) Fri 4/12/20 Area Possession & Clearance 45 days Sun 17/1/21 169 Fri 25/12/20 Sun 23/5/21 Excavation to foundation level at ELS SP Type A & C 170 Excavation to foundation level at ELS SP Type A & C 30 days Fri 1/1/21 Sat 30/1/21 tall CW Outlet pipe Install CW Outlet pipe 171 172 Construction of CW Outlet Box + lowest tie beam & caps 50 days Sun 31/1/21 Sun 21/3/21 173 Construction of pile caps & tie beams & sump pits up to +2.5mPD Mon 22/3/21 Fri 16/4/21 26 days Mon 10/5/21 174 Backfill & Construction of CW Inlet Box + tie beams 24 days Sat 17/4/21 175 Construction of pile caps & tie beams at SunShadeCover Area 18 days Tue 11/5/21 Fri 28/5/21 176 Backfill and Construction ground beams & trenches & equipment foundations 14 days Tue 11/5/21 Mon 24/5/21 177 Construction of indoor underground drainage 14 days Tue 25/5/21 Mon 7/6/21 178 Backfill & construction on-grade slabs Construction Column casting and RC walls 18 days Tue 8/6/21 Fri 25/6/21 179 50 day Thu 29/7/21 Thu 16/9/21 ABFW Works 16 days Fri 17/9/21 Sat 2/10/21 181 **Building Services Works** 45 days Sun 3/10/21 Tue 16/11/21 182 Mis. Works and Ready for condenser move in 29 days Wed 17/11/21 Wed 15/12/21 183 Section C - (i) Roads and external grounds surrounding L12 MSB and L12 HRSG in addition to the southern & eastern areas mentioned above in Area F5 Sat 15/1/22 <u>408 days</u> Fri 4/12/20 184 Area Possession & Clearance 30 days Fri 4/12/20 Sat 2/1/21 Area Possession & Clearance Fri 25/12/20 185 Subletting / Fabrication / Delivery 210 days Thu 22/7/21 186 Complete substructure & Steel Erection works for MSB 0 days Wed 28/7/21 Wed 28/7/21 187 Construction all utilities deeper than 2m from future road level Construction of cable trenches 60 days Thu 29/7/21 Sun 26/9/21 188 90 days Mon 27/9/21 Sat 25/12/21 Backfill and lay temporary paving Sun 26/12/2 189 21 days Sat 15/1/22 190 Section C - (ii) Whole of L12 MSB including the pipe and cable rack along south 408 days Fri 4/12/20 Sat 15/1/22 facade of L12 MSB with all underground utilities at Area F4 including C.W. Inlet and Outlet Culvert except the deferred works 191 Area Possession & Clearance Subletting / Fabrication / Delivery 45 days 120 days Fri 4/12/20 Fri 25/12/20 Sun 17/1/21 Fri 23/4/21 Area Possession & Clearance 192 Construction of pile caps & tie beams at Transformer Area Backfill and on-grade slab at transformer Area Construction of pile caps & tie beams at Transformer Ar 193 30 days Sun 31/1/21 Mon 1/3/21 194 21 days Construction of Fire Walls at Transformer Area 195 45 days Tue 23/3/21 Thu 6/5/21 196 Thu 25/2/21 Thu 15/4/21 Excavation & Construction Blow Down Sum pit (SP Type B) 50 days Preaparation for S.Steelwork Erection 197 7 days Fri 23/4/21 Thu 29/4/21 198 Structural Delivery & Erection (Turhine Hall North fr G.L. 1-3/H->B) 35 days Fri 30/4/21 Thu 3/6/21 199 Structural Delivery & Erection (Equipment Floors) Wed 28/7/21 55 days Fri 4/6/21

212 Construction of Staircase ST-01 & Lift shaft & machine room 150 days Fri 4/6/21 Sun 31/10/21 213 Construction M/F RC Slab 14 days Tue 3/8/21 Mon 16/8/21 214 Lift installation 75 days Fri 4/6/21 Sun 31/10/21 215 Construction of Staircase ST-02 except defer work 75 days Fri 17/9/21 Tue 3/8/21 Mon 16/8/21 216 Construction of RC plinth, kerbs & parapet Walls 75 days Sat 2/10/21 Wed 15/12/21 217 Erection of Skylight & Roof Features 56 days Sat 2/10/21 Wed 15/12/21 218 Waterproofing & Flooring at Roof 50 days Tue 1/8/21 Tue 1/8/21 Tue 1/8/21 219 ABF W Works 120 days Thu 12/8/21 Fri 25/6/21 Tue 1/8/21 Fri 26/11/21 221 Removal of external scaffolding 95 days Tue 24/8/21 Fri 26/11/21 Fri 4/12/20 223 Removal of external scaffolding 21 days Fri 26/12/21 Sat 15/1/22 Zat 15/1/22 224 Removal of external scaffolding 0 days Fri 4/1/220 Sat 15/1/22 Zat 15/1/22 225										
213 Construction M/F RC Slab 10 4 days Tue 3/8/21 Mon 16/8/21 214 Lift instantation 76 days Kate 11/1/21 Fri 14/0/22 216 Construction of Staircase ST-02 except defer work 75 days Sta 1/10/21 Fri 3/0/121 216 Construction of Skyling K Roof Features 56 days Sta 1/10/21 Wed 15/12/21 217 Erection of Skyling K Roof Features 50 days Sta 1/10/21 Fri 3/0/121 218 Waterproofing & Flooring at Roof 102 days Thu 12/8/21 Thu 12/8/21 Thu 12/8/21 219 ABFW Works 120 days Thu 12/8/21 Thu 12/8/21 Thu 12/8/21 Thu 12/8/21 220 Busing Services Works 120 days Thu 2/8/21 Fri 3/0/121 Thu 10/8/21 221 Metal Cladding, Windows and Louvers incl. roof feature 145 days Thu 2/8/21 Fri 3/0/121 Thu 10/8/21 222 Busing Services Works 30 days Fri 14/12/20 Sat 15/1/22 Sat 15/1/22 224 Metal Dinks Bridge between L11 and L12 MSB includin their associated 408 days Fri 4/12/20 Fri 4/12/20 226 Removal of Serv	211	Construction Defer Roof RC Slab (G.L. G-H)	14 days	Mon 8/11/21	Sun 21/11/21					
214 Lit installation 175 days Non Virtizi Fit 14/122 215 Construction of Stuircase ST-02 except defer work. 75 days Fri 17/921 Tue 30/11/21 216 Construction of Stuircase ST-02 except defer work. 75 days Stuirca 2010 Wed 15/12/21 216 Erection of Stuircase ST-02 except defer work. 75 days Stuirca 2010 Wed 15/12/21 217 Erection of Stuircase ST-02 except defer work. 75 days Stuirca 2010 Wed 15/12/21 218 Waterproofing & Flooring at Roof 100 days Stuirca 2010 Wed 15/12/21 219 ABFW Works 120 days Thu 12/8/21 Thu 9/12/21 Stuirca 10/12/21 220 Building Services Works 120 days Thu 2/8/21 Fit 26/11/21 Stuirca 10/12/21 221 Metal Cladding, Windows and Louvres incl. roof feature 14 days Fit 25/6/21 Twu 16/11/21 Stuirca 2010/21 222 Removal of tempaary works a dearance for plant erection contrador 30 days Fit 14/12/20 Stat 15/1/22 223 Romoval of tempaary works and plant at-exp 0 days Fit 4/12/20 Tue 14/8/21 Tue 16/11/21 223	212	Construction of Staircase ST-01 & lift shaft & machine room	150 days	Fri 4/6/21	Sun 31/10/21					
214 Utilinatiation 75 days Mon 11/121 Fn 14/1/22 215 Construction of Staircase ST-02 except defer work 75 days Sat 2/10/21 Wed 15/12/21 216 Construction of RC plinth, kerbs & parapet Walls 75 days Sat 2/10/21 Wed 15/12/21 217 Encetion of Skylight & Roof Features 36 days Sat 2/10/21 Fn 14/0/22 218 Waterprofing & Flooring at Roof 120 days Shu 1/12/21 Sat 15/1/22 219 AbFW Works 120 days Thu 12/8/21 Thu 9/12/21 221 Building Services Works 120 days Fn 14/0/22 Fn 14/0/22 221 Removal of external sectificiting 95 days Fn 26/1/21 True 16/11/21 222 Removal of external sectificiting 26 days Fn 26/1/21 Sat 15/1/22 226 Netal Cadding, Vindows and Louvers incl. roof feature 21 days Fn 26/1/21 Sat 15/1/22 226 Removal of external sectificiting 20 days Fn 26/1/21 Sat 15/1/22 Sat 15/1/22 227 BD Consent 0 days Fn 26/1/21 Sat 15/1/22 Sat 15/1/22 Sat 15/1/22	213	Construction M/F RC Slab	14 days	Tue 3/8/21	Mon 16/8/21					
216 Construction of RC plinth, kerbs & parapet Walls 75 days Sat 2/10/21 Wed 15/12/21 217 Erection of Skylight & Roof Features 56 days Sat 2/10/21 Fri 26/11/21 218 Waterproofing & Rooring at Roof 50 days Sat 2/10/21 Fri 25/6/21 Thu 9/12/21 219 ABFW Works 120 days Thu 12/8/21 Thu 9/12/21 220 Building Services Works 136 days The 2/8/21 Thu 6/1/21 221 Metal Cladding, Windows and Louvres incl. roof feature 145 days Thi 25/6/21 Tue 16/11/21 222 Removal of external scaffolding 95 days Tue 2/4/8/21 Fri 4/12/20 Sat 15/122 224 Candang AWF & 80 Works 00 days Fri 4/12/20 Sat 15/122 Fri 4/12/20 Sat 15/122 226 Removal of external and L12 MSB includin their associated 408 daxy Fri 4/12/20 Sat 15/122 Fri 4/12/20	214									
217 Erection of Skyligh & Roof Features 56 days Sat 2/10/21 Fri 26/11/21 218 Waterproofing & Flooring at Roof 50 days Sut 2/10/21 Fri 26/11/21 219 ABFW Works 120 days Thu 12/8/21 Thu 19/12/21 220 Building Services Works 135 days Thu 2/8/21 Fri 14/12/2 221 Metal Cladding, Windows and Louvres incl. roof feature 145 days Fri 26/11/21 Fri 16/11/21 222 Removal of external scaffolding 95 days Tue 2/4/8/21 Fri 26/11/21 Fri 26/11/21 223 Installation of Caterinal scaffolding 95 days Tue 2/4/8/21 Fri 26/11/21 Sat 15/1/22 224 metal Bridge Evene L1 and L12 MSB includin their associated 408 days Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 226 Stubeltin/ Faincation / Delivery (For BS and ABWF) 250 days Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 226 Dismantic of north scaffold for link bridge erection 0 days Tue 14/8/21 Tue 14/8/21 Tue 14/8/21 230 Dismantic of north scaffold for link bridge erection 0 days Tue 14/8/21 Wetal 20/9		Construction of Staircase ST-02 except defer work	75 days	Fri 17/9/21	Tue 30/11/21					
216 United and the set of the	216	Construction of RC plinth, kerbs & parapet Walls	75 days	Sat 2/10/21	Wed 15/12/21					
Image proving or room D 0 days Shu 1/1/12 Thu 1/1/12 Image proving or room 120 days Shu 1/1/12 Thu 1/1/12 20 Building Services Works 120 days Thu 1/2/21 Fri 1/4//22 21 Metal Cladding, Windows and Louvres incl. roof feature 145 days Fri 25/6/12 Tue 16/11/21 22 Removal of external scaffolding 95 days Tue 24/8/21 Fri 25/6/12 Fri 25/6/12 23 Installation of Calwaik at south elveation 21 days Fri 4/1/22 Sat 15/1/22 24 Removal of tempoary works & desarance for plant erection contractor 30 days Fri 4/12/20 Sat 15/1/22 25 Removal of tempoary works & desarance for plant erection contractor 30 days Fri 4/12/20 Sat 15/1/22 26 Section / Delivery (For BS and ABWF) 250 days Fri 4/12/20 Sat 15/1/22 29 Distantle of north scaffold for link bridge erection 0 days Fri 4/12/20 Tue 14/8/21 21 A&A works at South of L11 MSB 30 days Tue 24/8/21 Tue 24/8/21 21 A&A works at South of L11 MSB 30 days Tue 24/8/21 Tue 24/8/21	217		56 days	Sat 2/10/21	Fri 26/11/21					
219 ABFW Works 120 days Thu 12/8/21 Thu 9/12/21 220 Building Services Works 135 days Thu 2/8/21 Thu 9/12/21 221 Metal Cladding, Windows and Louvres incl. roof feature 145 days Fri 25/6/21 Tue 16/11/21 222 Removal of external scaffolding 95 days Tue 24/8/21 Fri 25/11/21 223 Installation of Cawkin at south elevation 21 days Fri 17/1221 Sat 15/1/22 224 Cladding, ABWF & BS Works 30 days Fri 17/1221 Sat 15/1/22 225 Removal of Tip Link Bridge between L11 and L12 MSB includin their associated 408 days Fri 4/12/20 Sat 15/1/22 226 Bolconsent 0 days Fri 4/12/20 Sat 15/1/22 Fri 4/12/20 227 BD Consent 0 days Fri 25/2/20 Tue 34/8/21 Fue 24/8/21 228 Subletting / Fabrication / Delivery (For BS and ABWF) 20 days Fri 4/12/20 Sat 15/1/22 Tue 34/8/21 229 BC Consent 0 days Tue 24/8/21 Tue 24/8/21 Tue 24/8/21 Tue 24/8/21 230 Dismantle of north scaffold for link bridge rection 0 days<		Waterproofing & Flooring at Roof	50 days	Sat 27/11/21	Sat 15/1/22					
221 Metal Cladding, Windows and Louvres incl. roof feature 145 days Fri 25/6/21 Tue 16/11/21 222 Removal of external scaffolding 95 days Tue 24/8/21 Fri 25/6/21 Tue 16/11/21 223 Installation of Catwaids a south elevation 21 days Fri 25/6/21 Tue 16/11/21 224 Cladding, ABWF & BS Works 00 days Fri 17/1221 Sat 15/1/22 225 Removal of tempoary works & clearance for plant erection contractor 30 days Fri 17/12/21 Sat 15/1/22 226 Section C - (iii) Link Bridge between L11 and L12 MSB includin their associated 408 days Fri 4/12/20 Fri 4/12/20 227 BO Consent 0 days Fri 25/12/20 Tue 14/9/21 Sat 15/1/22 228 Subtiting / Eabrication / Delwey (For BS and ABWF) 250 days Fit 25/1/20 Tue 14/8/21 Tue 24/8/21 229 Clearing Works at Outh of L11 MSB 30 days Mon 16/8/21 Tue 24/8/21 Fit 22/10/21 231 A&A works at South of L11 MSB 30 days Tue 24/8/21 Wet 22/9/21 Fit 26/11/21 232 Erection of link bridge structural steel 30 days Tue 24/8/21 Wet 2/11/21 <td>219</td> <td>ABFW Works</td> <td>120 days</td> <td></td> <td></td> <td></td> <td></td> <td></td>	219	ABFW Works	120 days							
22 Removal of external scaffolding 195 days Tue 24/8/21 Fri 26/11/21 23 Installation of Catwalk at south elevation 21 days Fri 26/11/21 Tur 16/1221 23 Installation of Catwalk at south elevation 21 days Fri 26/11/21 Tur 16/1221 24 Clading, ABWF & BS Works 30 days Fri 17/1221 Sat 15/1/22 25 Removal of extremal scaffolding 04 days Fri 4/1/220 Sat 15/1/22 26 Section C - (iii) Link Bridge between L11 and L12 MSB includin their associated 408 days Fri 4/1/220 Sat 15/1/22 27 BD Consent 0 days Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 28 Subleting / Fabrication / Delivery (For BS and ABWF) 250 days Fri 26/1/121 Tue 14/9/21 29 Clearing Works and plant set-up 30 days Tue 24/8/21 Tue 24/8/21 Tue 24/8/21 29 Dismantle of north scaffold for link bridge erection 0 days Tue 24/8/21 Tue 24/8/21 Tue 24/8/21 29 Clearing Works at South of L11 MSB 30 days Tue 24/8/21 Tue 24/8/21 Wed 22/9/21 29 Clearing of bridge structu	220	Building Services Works	135 days	Thu 2/9/21	Fri 14/1/22					
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234 Metal roofing installation 24 days Wed 3/11/21 Fri 26/11/21 REVISED MASTER PROGRAMME 4 JAN 2021 Rev. 1-A PaulY Task Split Milestone ◆ Summary		e	~							
REVISED MASTER PROGRAMME 4 JAN 2021 Rev. 1-A Pauly Task Split Milestone ◆ Summary										
4 JAN 2021 Rev. 1-A Pauly Pauly I ask price and the source of the source	234	Metal roofing installation	24 days	Wed 3/11/21	Fri 26/11/21					
Page 2 of 5	REVISED MASTER PROGRAMME 4 JAN 2021 Rev. 1-A Pauly Task Split Milestone Image: Split Summary									
					Page 2 of 5					

Mon 6/9/21

Tue 26/10/21

Sun 31/10/21

Wed 11/8/21

Sun 29/8/21

Thu 16/9/21

Mon 4/10/21

Fri 22/10/21

Fri 5/11/21

Mon 15/11/21

Fri 1/10/21

40 days

145 days

150 days

14 days

18 days

18 days 18 days

18 days

14 days

10 davs

25 days

Thu 29/7/21

Fri 4/6/21

Fri 4/6/21

Thu 29/7/21

Thu 12/8/21

Mon 30/8/21

Fri 17/9/21

Tue 5/10/21

Sat 23/10/21

Sat 6/11/21

Tue 7/9/21

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Structural Delivery & Erection (Turbine Hall South + East Elevation)

Joint Tightening and touch up coating

External Scaffolding Erection

Construction 1/F RC Slab

Construction 2/F RC Slab

Construction 3/F RC Slab

Construction 4/F RC Slab

Construction 5/F RC Slab

Construction Upper Roof RC Slab

Construction Main Roof RC Slab

Construction 6/F RC Slab

Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit L12

MASTER PROGRAMME

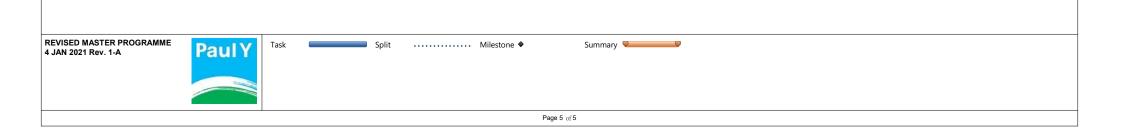
-	ABWF work BS Works	30 days 20 days	Sat 27/11/21 Mon 27/12/21	Sun 26/12/21 Sat 15/1/22			
	Ready for power cable laying work by others Section D - (ii) No. 5 Chimney with L12 Steel Flue Liner	0 days <u>485 days</u>	Sat 15/1/22 Fri 1/1/21	Sat 15/1/22 Sat 30/4/22			
	Area Possession & Clearance Subletting / Fabrication / Delivery (For Civil and BS for Microwave Antenna and Equipment)	45 days 120 days	Fri 1/1/21 Fri 8/1/21	Sun 14/2/21 Fri 7/5/21			Area Possession & Clearance
	Excavation & Pile Cap & Backfill + Ground slab Tower Crane erection (Optional)	45 days 28 days	Sat 2/1/21 Tue 19/1/21	Mon 15/2/21 Mon 15/2/21	7		Tower Crane erection (Optional)
	Construction of Wind Shiled + clearance for internal floors and flue Structural steel fabrication & Delivery for floors and staircase	150 days 90 days	Tue 16/2/21 Sat 10/4/21	Thu 15/7/21 Thu 8/7/21			
	Erection of steel floors Construction of G/F room incl. Microwave Antenna Rm	60 days 45 days	Wed 9/6/21 Mon 17/5/21	Sat 7/8/21 Wed 30/6/21			
	Construction of 1/F RC slab Construction of 2/F RC slab	14 days 14 days	Sun 8/8/21 Sun 22/8/21	Sat 21/8/21 Sat 4/9/21			
	Construction of 3/F RC slab Construction of 4/F RC slab	16 days 16 days	Sun 5/9/21 Tue 21/9/21	Mon 20/9/21 Wed 6/10/21			
	Construction of 5/F RC slab Construction of Roof RC slab	18 days 18 days	Thu 7/10/21 Mon 25/10/21	Sun 24/10/21 Thu 11/11/21			
	Steel Flue fabrication and delivery Set up for steel flue installation	145 days 14 days	Fri 9/7/21 Wed 1/12/21	Tue 30/11/21 Tue 14/12/21			
	Lift & install steel flue liner + cladding works Section D (i) - ABWF and BS Works at Microwave Antenna Room and Chimney Windshield for installation of n	90 days 209 days	Wed 15/12/21 Fri 4/12/20	Mon 14/3/22 Wed 30/6/21			
	Remaining ABWF & BS Works Lift installation	100 days	Fri 12/11/21 Fri 12/11/21	Sat 19/2/22 Wed 9/2/22			
	Installation Louvre & Doors	90 days 30 days	Tue 15/3/22	Wed 13/4/22			
	Mis works, Demobilization and ready for gas duct connection Section E - (iii) Administration and Control Building	17 days <u>513 days</u>	Thu 14/4/22 Fri 4/12/20	Sat 30/4/22 Sat 30/4/22			
	Area Possession & Clearance + BD consent Subletting / Fabrication / Delivery (For Civil+BS+ABWF)	60 days 21 days	Fri 4/12/20 Fri 25/12/20	Mon 1/2/21 Thu 14/1/21	s	Area ubletting / Fabrication / Delivery (Possession & Clearance + BD consent (For Civil+BS+ABWF)
	Excavation works Main Earth Grid Installation	45 days 45 days	Fri 4/12/20 Sun 3/1/21	Sun 17/1/21 Tue 16/2/21	8	Excavation works	Main Earth Grid Installation
	Pile cap and Tie Beam Tower Crane Erection	45 days 30 days	Sun 3/1/21 Wed 10/2/21	Tue 16/2/21 Thu 11/3/21	4		Pile cap and Tie Beam
	Substructure + Bearing walls + On grade slabs Construction of RC up to 1/F incl. staircases	30 days 50 days	Wed 17/2/21 Fri 19/3/21	Thu 18/3/21 Fri 7/5/21			Substructure + Be
	Construction of RC up to 2/F incl. staircases Construction of RC up to 3/F incl. staircases	55 days 55 days	Sat 8/5/21 Fri 2/7/21	Thu 1/7/21 Wed 25/8/21			
	Tempoary Hoist erection Construction of RC up to 4/F incl. staircases	14 days 30 days	Thu 26/8/21 Thu 26/8/21	Wed 8/9/21 Fri 24/9/21			
	Construction of RC up to I/I' incl. staircases Construction of RC up to I/I' incl. staircases	30 days 21 days	Sat 25/9/21 Mon 25/10/21	Sun 24/10/21 Sun 14/11/21			
	Construction of RC up to UR/F	21 days	Mon 15/11/21	Sun 5/12/21			
	External Wall Finish, Cladding + Windows and Louvres + Features Removal of external scaffolding Watersmerice & examples	100 days 45 days	Sat 25/9/21 Mon 3/1/22	Sun 2/1/22 Wed 16/2/22			
	Waterproofing & screeding ABWF at G/F	60 days 120 days	Mon 6/12/21 Sat 29/5/21	Thu 3/2/22 Sat 25/9/21			
	Section E (i) Complete Transformer Room for move in Clearing Works and plant set-up	60 days 21 days	Thu 2/9/21 Sun 31/10/21	Sun 31/10/21 Sat 20/11/21			
	Subletting / Fabrication / Delivery (For NSC Lift) ABWF at 1/F	180 days 100 days	Fri 25/12/20 Mon 26/7/21	Tue 22/6/21 Tue 2/11/21			
	ABWF at 2/F ABWF at 3/F	100 days 120 days	Sat 18/9/21 Mon 25/10/21	Sun 26/12/21 Mon 21/2/22			
	ABWF at 4/F ABWF at R/F	90 days 60 days	Wed 24/11/21 Wed 15/12/21	Mon 21/2/22 Sat 12/2/22			
	ABWF at UR/F + Lift Machine Room Bridge Erection & Connection	45 days 50 days	Wed 5/1/22 Mon 7/2/22	Fri 18/2/22 Mon 28/3/22			
	Building Erstein a Connection Building Services Works Submission of WW046 for completion	160 days 60 days	Wed 3/11/21 Wed 17/11/21	Mon 11/4/22 Sat 15/1/22			
	Installation of Raised floors False ceiling after BS works	60 days	Fri 7/1/22 Tue 25/1/22	Mon 7/3/22 Fri 25/3/22			
	Section E (ii) Handover G/F, 1/F, 2/F & Hoisting Well Subletting / Fabrication / Delivery (For BS+ABWF)	0 days 149 days	Mon 28/2/22 Tue 14/9/21	Mon 28/2/22 Wed 9/2/22			
	Construction of New UG Grey Water Tank	60 days	Mon 7/2/22	Thu 7/4/22			
	Removal of Tower Crane External utilities and road work	7 days 45 days	Thu 10/3/22 Mon 24/1/22	Wed 16/3/22 Wed 9/3/22			
	Submission of WW046 for completion Subimsion of FS inspection	30 days 14 days	Tue 8/2/22 Tue 12/4/22	Wed 9/3/22 Mon 25/4/22			
	Submission for OP Inspection Section F (i) - Gas Receiving Station and L12 Gas Receiving Station Equipment Room	14 days 426 days	Sun 17/4/22 Sat 1/5/21	Sat 30/4/22 Thu 30/6/22			
	(GRS) Area Extension at Area F14 Area Possession & Clearance + BD consent	90 days	Sat 1/5/21	Thu 29/7/21			
	Subletting / Fabrication / Delivery Plate load test	60 days 30 days	Sat 22/5/21 Sat 1/5/21	Tue 20/7/21 Sun 30/5/21			
	Construction Equipment room extension Modification of existing drainage	145 days 45 days	Mon 31/5/21 Sat 23/10/21	Fri 22/10/21 Mon 6/12/21			
	Excavation & earthing for Skid foundations Construction of Skid foundation	21 days 45 days	Tue 7/12/21 Tue 28/12/21	Mon 27/12/21 Thu 10/2/22			
	Construct underground utilities and drainage Backfill and road works	45 days 60 days	Fri 11/2/22 Mon 28/3/22	Sun 27/3/22 Thu 26/5/22			
	Relocate / install new fencing for completion	21 days	Fri 27/5/22	Thu 16/6/22			
	Mis. Work and ready for OP inspection Section F (ii) - Pipe and Cable rack and external work at Area F9A and F9B	14 days <u>515 days</u>	Fri 17/6/22 Sat 2/1/21	Thu 30/6/22 Tue 31/5/22	Sec.E2		
	BD consent + Site Possession at Area F9A & F9B	90 days	Sat 2/1/21	Thu 1/4/21	+		
	Excavation & Plate load test Construction new footing for pipe rack	45 days 45 days	Fri 1/10/21 Mon 15/11/21	Sun 14/11/21 Wed 29/12/21			
	Underground utilities and road works for completion Structural Steel fabrication & Delivery	72 days 90 days	Thu 30/12/21 Sun 12/12/21	Fri 11/3/22 Fri 11/3/22			
	Ercetion of new pipe rack Mis. Work and ready for OP inspection	60 days 21 days	Sat 12/3/22 Wed 11/5/22	Tue 10/5/22 Tue 31/5/22			
	Section F (iii) - No. 5 CW Equipment Room, pipe and cable rack, external works at	273 days	<u>Fri 1/10/21</u>	<u>Thu 30/6/22</u>			
	Area F10 Area Possession & Clearance + BD consent	90 days	Fri 1/10/21	Wed 29/12/21			
	Subletting / Fabrication / Delivery For ABWF + BS Excavation & Plate load test	150 days 30 days	Fri 1/10/21 Sat 16/10/21	Sun 27/2/22 Sun 14/11/21			
	Construction new footing for equipment room Superstructure for equipment room	45 days 90 days	Mon 15/11/21 Thu 30/12/21	Wed 29/12/21 Tue 29/3/22			
	ABWF Works BS Works	70 days 90 days	Wed 30/3/22 Sat 2/4/22	Tue 7/6/22 Thu 30/6/22			
	Construction RC Wall & plinths & drainage at Chlorinator area External wall finish & remove scaffolding	45 days 30 days	Wed 30/3/22 Sat 14/5/22	Fri 13/5/22 Sun 12/6/22			
	Excernal warming to remove scalinging Excavation & Plate load test for pipe rack extension Construction new footing for pipe rack	30 days 30 days 45 days	Sat 14/3/22 Sat 16/10/21 Mon 15/11/21	Sun 12/0/22 Sun 14/11/21 Wed 29/12/21			
	Underground utilities and road works for completion	60 days	Thu 30/12/21 Tue 30/11/21	Sun 27/2/22 Sun 27/2/22			
	Structural Steel fabrication & Delivery Backfilling and prepare for steel erection Excelling of puer pice race	90 days 8 days	Mon 28/2/22	Mon 7/3/22			
	Ercetion of new pipe rack Mis. Work and ready for OP inspection	70 days 15 days	Tue 8/3/22 Tue 17/5/22	Mon 16/5/22 Tue 31/5/22			
	Section G (i) - External Work surrounding Area F11 Area Possession & Clearance after handover from No. 5 Intake Contractor	<u>153 days</u> 30 days	Sun 1/5/22 Sun 1/5/22	Fri 30/9/22 Mon 30/5/22			
	Subletting / Fabrication / Delivery Submission WWO046 for commencement	30 days 30 days	Sun 1/5/22 Sun 1/5/22	Mon 30/5/22 Mon 30/5/22			
	Construct Underground utilities and drainage Install new FS Hydrant	30 days 20 days	Sun 1/5/22 Tue 31/5/22	Mon 30/5/22 Sun 19/6/22			
	Submission WWO46 for completeion Construction Road extension	30 days 58 days	Mon 20/6/22 Mon 20/6/22	Tue 19/7/22 Tue 16/8/22			
	Construction road paving and install fencing Ready for OP inspection	30 days 15 days	Wed 17/8/22 Fri 16/9/22	Thu 15/9/22 Fri 30/9/22			
	Section G (ii) - External Works at Area F12 & F13 Area Possesion & Clearance after handover from other	666 days 45 days	Fri 4/12/20	Fri 30/9/22 Fri 30/9/22 Sun 17/1/21		Area Possession & Clearance	after bandover from other
	Subletting / Fabrication / Delivery	180 days	Thu 4/3/21	Mon 30/8/21		Citerance	
	Excavation Submission WWO046 for commencement Construct Updates and definition	21 days 30 days	Sat 23/10/21 Sat 13/11/21	Fri 12/11/21 Sun 12/12/21			
	Construct Underground utilities and drainage Install new FS Hydrant	90 days 30 days	Mon 13/12/21 Sun 13/3/22	Sat 12/3/22 Mon 11/4/22			
	Submission WWO046 for completion Construction Road extension	30 days 127 days	Tue 12/4/22 Thu 12/5/22	Wed 11/5/22 Thu 15/9/22			
	Complete with Mis. Works for completion Section G (iii) - FS Modification works along South Seafront Road at Area F15	15 days 183 days	Fri 16/9/22 Fri 1/4/22	Fri 30/9/22 Fri 30/9/22			
	Area Possession & Clearance after handover from other Subletting / Fabrication / Delivery	45 days 21 days	Fri 1/4/22 Fri 1/4/22	Sun 15/5/22 Thu 21/4/22			
	Temporary Traffice Arrangement approval Utilities scanning and expose existing FS	14 days 14 days	Fri 1/4/22 Fri 15/4/22	Thu 14/4/22 Thu 28/4/22			
	Submission to FSD	21 days 14 days	Fri 29/4/22 Fri 20/5/22	Thu 19/5/22 Thu 2/6/22			
	Modification of FS Backfill and reinstatment + report to FSD	60 days	Fri 3/6/22 Tue 2/8/22	Mon 1/8/22 Fri 30/9/22			
	Section G (iv) - 275kV cable trenches and External Works at Area F16	60 days	Sat 1/5/21	Fri 30/9/22 Fri 30/9/22 Tue 29/6/21			
	Area Possession & Clearance Subletting / Fabrication / Delivery Temporary Indiana Approval	60 days 210 days	Sat 1/5/21 Wed 17/11/21	Tue 14/6/22	-		
	Temporary Traffice Arrangement approval Removal of aboveground services	60 days 60 days	Sat 1/5/21 Wed 30/6/21	Tue 29/6/21 Sat 28/8/21	-		
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;	ED MASTER PROGRAMME		Milestone 🛎				
	2021 Rev. 1-A PaulY Task Split		··· Milestone ♦	51	immary 🖳		
	2021 Rev. 1-A Pauly Task Split		··· Milestone ♦	SI	immary 🗸		

Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit L12

Utilities scanning and expose exising UU	30 days	Sun 29/8/21	Mon 27/9/21	Jan Feb Mar
Arrange of diversion existing UG utilities	90 days	Tue 28/9/21	Sun 26/12/21	
Construct new cable trenches	173 days	Mon 27/12/21	Fri 17/6/22	
Realigment / install new UG utilities	60 days	Sat 18/6/22	Tue 16/8/22	
backfill and reinstate & ready for cable laying by others	45 days	Wed 17/8/22	Fri 30/9/22	
Section G (v) - Shunt Reactor Compound and External Works at Area F17	666 days	Fri 4/12/20	Fri 30/9/22	Temporary Traffice Arrangement approval
Temporary Traffice Arrangement approval	45 days	Fri 4/12/20	Sun 17/1/21	
Subletting / Fabrication / Delivery	100 days	Fri 25/12/20	Sat 3/4/21	BD approval & consent for sheetpile installati
BD approval & consent for sheetpile installation	90 days	Fri 4/12/20	Wed 3/3/21	
Area Possession & Clearance	14 days	Thu 4/3/21	Wed 17/3/21	
Removal of aboveground services Utilities scanning and expose exising UU	21 days 15 days	Thu 18/3/21 Thu 18/3/21 Thu 8/4/21	Wed 7/4/21 Thu 22/4/21	
Arrange of diversion existing UG utilities	45 days	Fri 23/4/21	Sun 6/6/21	
Install pipe piles	61 days	Sun 23/5/21	Thu 22/7/21	
BA14 for pipepile and BD consent for ELS	28 days	Fri 23/7/21	Thu 19/8/21	
Excavation & install earthing	35 days	Fri 20/8/21	Thu 23/9/21	
Construct Pile Caps and Tie Beams	45 days	Fri 24/9/21	Sun 7/11/21	
Backfill & Erect scaffold	21 days	Mon 8/11/21	Sun 28/11/21	
Construction of SRC Walls	75 days	Mon 29/11/21	Fri 11/2/22	
Wall finish and remove scaffolding	24 days	Sat 12/2/22	Mon 7/3/22	
Construct new cable trenches	60 days	Tue 8/3/22	Fri 6/5/22	
Realigment / install new UG utilities	117 days	Sat 7/5/22	Wed 31/8/22	
Backfill and reinstate & ready for cable laying by others	30 days	Thu 1/9/22	Fri 30/9/22	
Section G (vi) - 275kV cable trenches and External Works at Area F18	397 days	Sat 1/5/21	Wed 1/6/22	
Temporary Traffice Arrangement approval	45 days	Sat 1/5/21	Mon 14/6/21	
Subletting / Fabrication / Delivery	60 days	Tue 15/6/21	Fri 13/8/21	
Area Possession & Clearance	15 days	Sat 1/5/21	Sat 15/5/21	
Removal of aboveground services	30 days	Sun 16/5/21	Mon 14/6/21	
Utilities scanning and expose exising UU	45 days	Tue 15/6/21	Thu 29/7/21	
Arrange of diversion existing UG utilities	60 days	Fri 30/7/21	Mon 27/9/21	
Construct new cable trenches Realigment / install new UG utilities bestellt and existence 0 exists for acting the attempt	172 days 45 days	Tue 28/9/21 Sat 19/3/22	Fri 18/3/22 Mon 2/5/22	
backfill and reinstate & ready for cable laying by others	30 days	Tue 3/5/22	Wed 1/6/22	Area Possession & Clearance
Section G (vii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20A	301 days	Fri 4/12/20	Thu 30/9/21	
Area Possession & Clearance	30 days	Fri 4/12/20	Sat 2/1/21	
Subletting / Fabrication / Delivery	60 days	Fri 25/12/20	Mon 22/2/21	angement approval
Temporary Traffice Arrangement approval	14 days	Fri 4/12/20	Thu 17/12/20	
ELS BD approval & consent	90 days	Fri 18/12/20	Wed 17/3/21	ELS BD approval & co
Demolition of existing carriageway	30 days	Fri 11/12/20	Sat 9/1/21	
Removal of aboveground services	21 days	Sun 10/1/21	Sat 30/1/21	Removal of aboveground services
Utilities scanning and expose exising UU	21 days	Sun 31/1/21	Sat 20/2/21	
Arrange of diversion existing UG utilities Install Sheet piles	30 days 45 days	Sun 21/2/21 Tue 23/3/21	Mon 22/3/21 Thu 6/5/21	Arrange of div
BA14 for sheetpile and BD consent for ELS	28 days	Fri 7/5/21	Thu 3/6/21	
Excavation and construction of new Flood wall	65 days	Fri 4/6/21	Sat 7/8/21	
Realigment / install new UG utilities	30 days	Sun 8/8/21	Mon 6/9/21	
backfill and construct new carriageway	18 days	Tue 7/9/21	Fri 24/9/21	
Mis. Work for completion	6 days	Sat 25/9/21	Thu 30/9/21	
Section G (viii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20B	365 days	Fri 1/10/21	Fri 30/9/22	
Area Possession & Clearance	45 days	Fri 1/10/21	Sun 14/11/21	
Subletting / Fabrication / Delivery	90 days	Fri 22/10/21	Wed 19/1/22	
Temporary Traffice Arrangement approval	14 days	Fri 1/10/21	Thu 14/10/21	
ELS BD approval & consent	90 days	Fri 15/10/21	Wed 12/1/22	
Demolition of existing carriageway	60 days	Fri 1/10/21	Mon 29/11/21	
Removal of aboveground services	21 days	Tue 30/11/21	Mon 20/12/21	
Utilities scanning and expose exising UU Arrange of diversion existing UG utilities Install Sheatnike	21 days 30 days	Tue 21/12/21 Tue 11/1/22 Thu 10/2/22	Mon 10/1/22 Wed 9/2/22	
Install Sheetpiles	55 days	Thu 10/2/22	Tue 5/4/22	
BA14 for sheetpile and BD consent for ELS	28 days	Wed 6/4/22	Tue 3/5/22	
Excerning and construction of new Elond wall	90 days	Wed 4/5/22	Mon 1/8/22	
Excavation and construction of new Flood wall	90 days	Wed 4/5/22	Mon 1/8/22	
Realigment / install new UG utilities	30 days	Tue 2/8/22	Wed 31/8/22	
backfill and construct new carriageway	21 days	Thu 1/9/22	Wed 21/9/22	
backfill and construct new carriageway Mis. Work for completion Section G (ix) - Bund wall modification works at South Seafront Road at Area	9 days	Thu 1/9/22 Thu 22/9/22 Fri 4/12/20	Wed 21/9/22 Fri 30/9/22 Wed 30/6/21	
Section G (ix) - Bund wall modification works at South Searront Road at Area Area Possession & Clearance Subletting / Fabrication / Delivery	F21 209 days 45 days 90 days	Fri 4/12/20 Fri 4/12/20 Fri 25/12/20	Sun 17/1/21 Wed 24/3/21	Area Possession & Clearance Subletting
Temporary Traffice Arrangement approval ELS BD approval & consent	14 days 0 days	Fri 4/12/20 Thu 17/12/20	Thu 17/12/20	angement approval ponsent
Demolition of existing carriageway Removal of aboveground services	14 days 14 days	Fri 18/12/20	Thu 31/12/20 Thu 31/12/20 Thu 14/1/21	_Demolition of existing carriageway
Utilities of abortground expose exising UU	21 days	Fri 15/1/21	Thu 4/2/21	Utilities scanning and expose exising UU
Arrange of diversion existing UG utilities	30 days	Fri 5/2/21	Sat 6/3/21	
Excavation and expose existing bund wall & demolish	18 days	Sun 7/3/21	Wed 24/3/21	Excavation
Construction new bund wall for road junction	45 days	Thu 25/3/21	Sat 8/5/21	
Realigment / install new UG utilities	30 days	Sun 9/5/21	Mon 7/6/21	
backfill and construct new carriageway	18 days	Tue 8/6/21	Fri 25/6/21	
Mis. Work for completion	5 days	Sat 26/6/21	Wed 30/6/21	
Section G (x) - DAX Cable Diversion Works (from Part I to Part IV)	758 days	Fri 4/12/20	Sat 31/12/22	
Temporary Traffice Arrangement approval	14 days	Fri 4/12/20	Thu 17/12/20	angement approval Subletting
Subletting / Fabrication / Delivery	90 days	Fri 25/12/20	Wed 24/3/21	
Area Possession & Clearance	45 days	Fri 4/12/20	Sun 17/1/21	Area Possession & Clearance
Identification of existing cable trench	7 days	Mon 18/1/21	Sun 24/1/21	
Part 1 Re-excavation works incl.construction of joint bay Part 2 Re-excavation works incl. joint bay Part 2 Re-excavation works incl. joint bay	246 days 120 days	Mon 25/1/21 Mon 1/11/21	Mon 27/9/21 Mon 28/2/22	
Part 3 Re-excavation works incl. joint bay	242 days	Mon 1/11/21	Thu 30/6/22	
Part 4 Re-excavation works incl. joint bay & new oil tank pits	92 days	Sat 1/10/22	Sat 31/12/22	
Backfill & Reinstatement Part 1	61 days	Mon 1/11/21	Fri 31/12/21	
Backfill & Reinstatement Part 1 Backfill & Reinstatement Part 2 Backfill & Reinstatement Part 3	61 days 61 days 61 days	Mon 1/11/21 Sun 1/5/22 Thu 1/9/22	Thu 30/6/22 Mon 31/10/22	
Section H - All remaining works shall be completed for reporti		<u>Mon 8/11/2</u>		
and ready for OP inspection (PS1.4.4) Deferred works (MSB & HRSG) Listed in PS 1.4.4 Construction oft.12 MSB roof between GL12-G to 12-H and 12-2 to 12-6 after	the overhead crane installatior 38 days	Mon 8/11/21 Mon 8/11/21	Mon 15/8/22 Wed 15/12/21	
Construction ofL12 MSB roof between GL12-G to 12-H and 12-2 to 12-6 after Construction of walls ofL12 MSB below 1/F along GL 12-6 from GL12-B to 12 Provision in associated with hoisting well		Mon 8/11/21 Mon 16/5/22 Mon 6/6/22	Wed 15/12/21 Mon 15/8/22 Sun 26/6/22	
Construction of internal partition wall at 1/F ofL12 MSB along GL 12-C from C Construction of metal fence and the associated Fire Services (F.S.) installation	GL 12-2 to 12-3 AND North Faça 30 days	Sat 16/4/22 Mon 16/5/22	Sun 26/6/22 Sun 15/5/22 Mon 15/8/22	
Deferred works (DAX1 and DAX2) Listed in PS 1.4.4 Backfilling of whole DAXI compartment inside existing joint bay "STJI2" and t	334 days	Wed 1/2/23	Sun 31/12/23 Fri 31/3/23	
Re-excavation of whole DAX2 compartment inside existing joint bay 'STJI2' Re-excavation of whole DAX2 compartment inside existing joint bay 'STJI2' Backfilling of whole DAX2 compartment inside existing joint bay 'STJI2' and	61 days	Tue 1/8/23 Wed 1/11/23	Sat 30/9/23	
Deferred works (External Work) Listed in PS 1.4.4 Final reinstatement of access roads and pavement surrounding and within L1	121 days	Thu 1/12/22	Fri 31/3/23 Tue 31/1/23	
Installation of trench cover and road reinstatement of gas pipe and cable tren Backfilling and road-reinstatement of 275kV cable trenches		Sun 1/1/23 Sun 1/1/23	Fri 31/3/23 Fri 31/3/23	
All Remaining work ready for OP inspection	0 days 865 days?	Tue 28/2/23 Fri 15/1/21	Tue 28/2/23 Mon 29/5/23	15 Jan '21 🥥
WSD Statutory Submission, Inspection and Approval WWO Part I to III Submi	ission / Approval 256 days	Fri 15/1/21	Mon 27/9/21	15 Jan '21 🔍 wSD : Submit to WSD Form WWO 046 Part I to II - FOR ACB Building (for Ext Works at later stage)
WSD : Submit to WSD Form WWO 046 Part I to II - FOR ACB Building (for Ext	Works at later stage) 0 days	Fri 15/1/21	Fri 15/1/21	
WSD: Vetting Form WWO 046 Part I and II Submission	90 days	Sat 16/1/21	Thu 15/4/21	
WSD: Issued of Form WWO 046 Part III by WSD - FOR ACB Building	0 days	Fri 16/4/21	Fri 16/4/21	
WSD: Prepare for 1st Amendment for Plumbing Plan	60 days	Fri 16/4/21	Mon 14/6/21	
WSD: Submit to WSD 1st Amendment for Plumbing Plan	0 days	Mon 14/6/21	Mon 14/6/21	
WSD: Vetting of Plumbing Plan by WSD	60 days	Tue 15/6/21	Fri 13/8/21	
WSD: 1st Approval for Plumbing Plan by WSD	0 days	Fri 13/8/21	Fri 13/8/21	
WSD: Prepare and Submit for Final Amendment for Plumbing Plan	45 days	Sat 14/8/21	Mon 27/9/21	
WSD: Vetting and Final Approval for Plumbing Plan by WSD	0 days	Mon 27/9/21	Mon 27/9/21	
WSD Statutory Submission, Inspection and Approval WWO Part IV to V Fire S WSD: Form WWO 046 Part IV Submission (FS)	0 days	Tue 9/8/22 Mon 4/10/21	Sun 11/9/22 Mon 4/10/21	
WSD: WSD Recieved Form WWO046 Part IV and arrange for inspection (FS) WSD: WSD inspection (FS) WSD: WSD INVO 046 Part IV Endemand by WSD (FS)	7 days 7 days	Tue 5/10/21 Sat 30/10/21	Mon 11/10/21 Fri 5/11/21	
WSD: WWO 046 Part V Endorsement by WSD (FS) WSD: WSD Processing Water Supply Connection Certificate (FS) WSD: Issue by WSD Water Supply Connection Certificate (FS)	12 days 7 days 0 days?	Sat 6/11/21 Thu 18/11/21 Wed 24/11/21		
WSD: Issue by WSD Water Supply Connection Certificate (FS) WSD Statutory Submission, Inspection and Approval WWO Part IV to V Potab WSD: Form WWO 046 Part IV Submission (Fresh/Flush)		Mon 18/10/21	Fri 17/12/21	
WSD: Form WWO 046 Part IV Submission (Fresh/Flush) WSD: WSD Acknowledge Form WWO 046 WSD: WSD Inspection with Testing to lead (Fresh/Fluhs)	0 days 6 days 12 days	Mon 18/10/21 Tue 19/10/21 Mon 25/10/21		
WSD: VSD inspection with resting to lead (restrictions) WSD: Cleansing/Disinfecting Water Tanks / Piping System (Fresh/Flush) WSD: Collection of Sample for Testing at Accredited Lab (Fresh/Flush)	6 days 12 days	Sat 6/11/21 Fri 12/11/21	Thu 11/11/21 Tue 23/11/21	
WSD: Collection of Sample for Testing at Accredited Lab (Fresh/Flush) WSD:Accredited Lab Testing Report of Sample to WSD WSD: Vetting of Test Report by WSD	12 days 12 days 6 days	Wed 24/11/21 Mon 6/12/21		
WSD: Vetaling of rest Report by WSD WSD: Issue of WWO 046 Part V (Fresh/Flush) WSD: WSD Processing WW01005 Water Certification (Fresh/Flush)	0 days 6 days	Sat 11/12/21 Sun 12/12/21	Sat 11/12/21 Sat 11/12/21 Fri 17/12/21	
WSD: VISUE HOLESSING WWO 1005 Water Certification (Fresh/Flush) WSD: Issue by WSD WWO 1005 Water Certification (Fresh/Flush) EMSD LIFT Statutory Submission, Inspection and Approval	0 days 0 days 45 days	Fri 17/12/21 Sat 5/2/22	Fri 17/12/21 Mon 21/3/22	
EMSD: Submission of Lift Form LE5 to EMSD	12 days	Sat 5/2/22	Wed 16/2/22	
EMSD: EMSD Makes arrangement for Lift Installation	5 days	Thu 17/2/22	Mon 21/2/22	
EMSD: EMSD Inspection to Lift Installation	14 days	Tue 22/2/22	Mon 7/3/22	
EMSD: Processing Lift Certificate (Form LE6)	14 days	Tue 8/3/22	Mon 21/3/22	
EMSD: Lift Issuance of Form 6 (Lift Certificate)	0 days	Mon 21/3/22	Mon 21/3/22	
HKE Transformer Final Inspection	120 days	Thu 30/6/22	Thu 27/10/22	
TX Room: Invite HKE For Transformer Room Inspection	7 days	Thu 30/6/22	Wed 6/7/22	
TX Room: Give Access to Transformer Room for HKE Contractor	0 days	Wed 6/7/22	Wed 6/7/22	
TX Room: Move-IN HKE Transformer Equipments	5 days	Thu 7/7/22	Mon 11/7/22	
SED MASTER PROGRAMME Pauly Task	Split	Milestone	♦ S	ummary 🔍

Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit L12

Contract No. 19/83002 Lamma Power Station	MASTER PROGRAMMI						
ID Task Name	Duration	Start	Finish				
TX Room: Install HKE Transformer, MEP Works & Testing	90 days	Tue 12/7/22	Sun 9/10/22	Jan	Feb		Mar
TX Room: HKE Power Energization / Inspection	6 days	Mon 10/10/22	Sat 15/10/22				
20 TX Room: Metering Installation	12 days	Sun 16/10/22	Thu 27/10/22				
21 TX Room: HKE Power-ON Date	0 days	Thu 27/10/22	Thu 27/10/22				
22 DSD Drainage Completion Memo	65 days	Mon 29/8/22	Tue 1/11/22				
DSD: CCTV Survey Report on Completed Drainage	30 days	Mon 29/8/22	Tue 27/9/22				
24 DSD: Submitted CCTV Report & Form HPB1 of Completed Drainage to DSD For Technical Audit	7 days	Wed 28/9/22	Tue 4/10/22				
25 DSD: Completed Drainage System including TMC Inspection/Technical Audit by DSD	14 days	Wed 5/10/22	Tue 18/10/22				
DSD: Preparation of Drainage Connection Completion Memo by DSD	14 days	Wed 19/10/22	Tue 1/11/22				
27 DSD: Issue of Drainage Connection Completion Memo by DSD	0 days	Tue 1/11/22	Tue 1/11/22				
28 EPD Submission, Inspection and Approval	60 days	Thu 30/6/22	Mon 29/8/22				
29 EPD: License Application to EPD under APCO (Cap 311) for Generator Sets	0 days	Thu 30/6/22	Thu 30/6/22				
EPD: Vetting of Application by EPD under APCO (Cap 311) for Generator Sets	60 days	Fri 1/7/22	Mon 29/8/22				
1 EPD: Approval from EPD under APCO (Cap 311) for Generator Sets	0 days	Mon 29/8/22	Mon 29/8/22				
FSD VAC Statutory Submission, Inspection and Approval	150 days	Sat 16/7/22	Mon 12/12/22				
Preparation of FSD VAC Drawings and Submission to HEC	60 days	Sat 16/7/22	Tue 13/9/22				
4 HEC: Review and Approval	30 days	Wed 14/9/22	Thu 13/10/22				
5 Preparation of VAC Drawings and Submission to FSD		Fri 14/10/22	Sat 12/11/22				
	30 days						
6 FSD: Review and Approval 7 FSD Statutory Submission. Inspection and Approval	30 days	Sun 13/11/22	Mon 12/12/22				
	91 days	Tue 28/2/23	Mon 29/5/23 Thu 13/4/23				
8 Testing and Commissioning (Individual System - FSI Related)	45 days	Tue 28/2/23					
9 FSD: All Sections FS Ingration Test by NSC_BS	15 days	Fri 14/4/23	Fri 28/4/23				
0 FSD: Completion of FS Integration Test by NSC_BS for FS314/501	0 days	Fri 28/4/23	Fri 28/4/23				
1 FSD: Submit Form 213/314 & Form 501 Request for Inspection	0 days	Fri 28/4/23	Fri 28/4/23				
2 FSD: FSD Makes Arrangement for Inspection	7 days	Sat 29/4/23	Fri 5/5/23				
3 FSD: FSD Inspection	12 days	Sat 6/5/23	Wed 17/5/23				
4 FSD: Completion of FS Inspection	0 days	Wed 17/5/23	Wed 17/5/23				
5 FSD: FSD Processing FS Certicate Form 172	12 days	Thu 18/5/23	Mon 29/5/23				
6 FSD: Issue of Fire Services FS Certificate Form 172	0 days	Mon 29/5/23	Mon 29/5/23				
7 PRACTICAL COMPLETION	216 days	Tue 30/5/23	Sun 31/12/23				
8 BD Inspection	97 days	Tue 30/5/23	Sun 3/9/23				
9 BD: Application Form BA13 for OP Application	21 days	Tue 30/5/23	Mon 19/6/23				
0 BD: BD Inspection Date	15 days	Tue 20/6/23	Tue 4/7/23				
1 BD: Reinspection date with defects and rectification works	60 days	Wed 5/7/23	Sat 2/9/23				
2 BD: Obtain Occupation Permit (OP) from BD	1 day	Sun 3/9/23	Sun 3/9/23				
3 As-Built Drawings & Handover Documentation	120 days	Wed 14/6/23	Wed 11/10/23				
4 Prepare and Submit As-Built Drawings & Handover Documentation	45 days	Wed 14/6/23	Fri 28/7/23				
5 Review and Approval	45 days	Sat 29/7/23	Mon 11/9/23				
6 As-Built Drawings & Handover Documentation - Revision by MC	30 days	Tue 12/9/23	Wed 11/10/23				
7 Revised As-Built Drawings & Handover Documentation - Final Submission	0 days	Wed 11/10/23	Wed 11/10/23				
8 Completion of the Whole Contract Works	119 days	Mon 4/9/23	Sun 31/12/23				
9 1st Client Inspection for Review and Comments	30 days	Mon 4/9/23	Tue 3/10/23				
0 Defects and Rectification works	60 days	Wed 4/10/23	Sat 2/12/23				
2nd Client Inspection	14 days	Sun 3/12/23	Sat 16/12/23				
2 Minor Defects Rectification Works and Final Inspection	15 days	Sun 17/12/23	Sun 31/12/23				
63 PRACTICAL COMPLETION	0 days	Sun 31/12/23	Sun 31/12/23				



ID	~	Task Name	Duration	Start	Finish		ary 2021		February 2021	
1	0	19-83014 - Civil Works for No. 5 C.W. Intake and Cable Bridge at Lamma Power Stat	557 davs	Mon 5/10/20	Thu 8/9/22		4 7 10 13 16	19 22 25 28	31 3 6 9	12 15 18 21 2
2	-	Contract Details		Mon 5/10/20						
15		Submission		Wed 28/10/20						
36		Procurement		Mon 19/10/20						
45		No.5 C.W. Intake		Mon 5/10/20						
46		Erect of Hoarding and Door Gate		Mon 5/10/20						
47		Install Monitoing Instrumentation		Sat 17/10/20						
54		ELS works for No. C.W. Intake		Tue 8/12/20						
55		Installation of pipe pile wall	104 days	Tue 8/12/20	Mon 19/4/21		-			
56	1	Temporary diversion of existing drainage system (from MH807 to MH		Sat 19/12/20						
57		PP1-PP30 (30 nos)	-	Sat 19/12/20						
58		PP31-PP85 (55 nos)	38 days	Fri 15/1/21	Wed 3/3/21					
59	1	PP86-PP127 (42 nos)	28 days	Thu 4/3/21	Fri 9/4/21					
60		PP128-PP183 (56 nos)	38 days	Mon 4/1/21	Fri 19/2/21	1				
61		PP184-PP214 (31 nos)	20 days	Tue 8/12/20	Sat 2/1/21					
62		Submission of BA14, as-built plan and record	2 days		Mon 12/4/21					
63		BD Excavation Consent	0 days	Mon 19/4/21						
64		Excavate upto +4.50mPD	6 days		Mon 26/4/21					
65		Installation the 1st row of waling (WT1) and strut (CS1)	12 days							
66		Installation of 1st row of Tie Back	42 days		Thu 17/6/21					
73		Excavate upto +2.70mPD	6 days		Thu 24/6/21					
74		Installation the 2nd row of waling (WT2) and strut (CS2)	12 days							
75	_	Installation of 2nd row of Tie Back	42 days							
82		Excavate uoto +1.00mPD	6 days							
83	_	Installation the 3rd row of waling (WT3) and strut (CS3)	12 days							
84	_	Installation of 3rd row of Tie Back (TBC)	42 days		Mon 11/10/21					
91	_	Excavate upto -7.50mPD		Tue 12/10/21						
92	_	Temporary removal of sea wall	80 days							
97		Construction of No. 5 C.W. Intake Chamber	-	Thu 29/7/21						
120		Reinstatement of sea wall	104 days		Thu 28/7/22					
124 131	_	Backfilling Works and Strut removal Steel Gantry Frame at No. 5 C.W. Intake Chamber	56 days 36 days	Thu 24/2/22 Fri 29/7/22						
131		E&M Works	36 days 36 days							
134	-	Cable Bridge		Wed 11/11/20						
138		Erect of Hoarding and Door Gate		Wed 11/11/20						
140		Install Monitoing Instrumentation		Wed 25/11/20						
140		Pile Cap Construction	-	Wed 30/12/20						
148	-	LPS Pile Cap (PC5)		Wed 30/12/20						
149	-	Excavation to F.E.L. by open cut (From +4.50mPD to +1.95mPD)	,	Wed 30/12/20						
150		Socket H-pile head treatment (14 nos)	-	Thu 14/1/21						
151	1	Construction of Pile Cap PC5		Thu 28/1/21						
152	1	Backfilling to pile cap level	-	Wed 3/3/21						
153		LMX Pile Cap (PC6)		Wed 30/12/20						
154	1	Expose existing 275kV cable trench by hand dig method		Wed 30/12/20						
155		Install pipe pile (P1-P47)		Thu 14/1/21						
156	1	Submission of BA14, as-built plan and record	2 days						—	
157	1	BD Excavation Consent	0 days							
158	1	Excavate to 500mm below strut level	,	Wed 10/3/21						
159		Install waling system (W1)		Wed 17/3/21						
160		Excavate to F.E.L.		Wed 24/3/21						
161		Timming to COL for Dia 2180mm Bored Pile (8nos)	,	Mon 12/4/21						
162		Construction of Pile Cap PC6	52 days	Thu 13/5/21	Thu 15/7/21]				
163		Backfilling to pile cap level	6 days		Thu 22/7/21					
164		Exisitng Seawall modification works (USS)	26 days							
165		Construction of Cable Bridge		Mon 1/3/21						
190		Construction of Abutment at LPS	•	Tue 30/11/21						
197		Construction of Abutment at LMX		Tue 30/11/21						
204		Stormwater Drainage		Sat 19/3/22						
206		E&M works	40 days	Sat 19/3/22	Wed 11/5/22					
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Project: 19-83014 - No. 5 Intake and Cable Br Date: 16 Dec 2020 Rev. 1	Task Split		Progress Milestone		Summary Project Summary		External Tasks External Milestone 🗇	Deadline	Ŷ
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