Со	ntract No. 17/8002 Lamma Power Station Extension Civil and Building Works	for Unit L1	1	17-800	2 Master Prog Rev 3		Refer to CEM dated 26March2019					
ID	Task Name	Duration	Start	Finish	2020 Oct	Nov	Dec					
1	Civil and Building Works for Unit 11 and Assoicated Works	1197 days				1100	350					
2	Contract Key Dates	<u>1197 days</u>	<u>Fri 1/6/18</u>	Thu 30/9/21								
3	Contract Commencement Date	0 days	Fri 1/6/18	Fri 1/6/18								
4		1044 days		Thu 30/9/21								
5				8 Wed 31/10/18								
6	STOREM 12 STOREM WOMEN HOMEN WOLLD WE ZONG 12			8 Wed 31/10/18	5							
7	Section 113 Ground treatment instantation works at Zone 2	0 days		Sun 17/3/19								
8	Section A4 - Ground treatment installation works at Zone 3	0 days		Thu 21/3/19								
9	Section A5 (i) - Ground treatment installation works at Zone 4 - Band drain installation	0 days		Thu 28/3/19								
10	Section A5 (ii) - Ground treatment installation works at Zone 4 - Surcharge filling	0 days	Wed 30/9/20	Wed 30/9/20	Section A5 (ii) - Ground treatment installatio	n works at Zone 4 - Surcharge filling						
11	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								
12	Section A6 (ii) - External works at Area E15	0 days	Sat 15/2/20	Sat 15/2/20								
13	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	0 days	Sun 1/3/20	Sun 1/3/20								
14	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB including the associated roof structure except the roof deferred works	0 days	Tue 17/3/20	Tue 17/3/20								
15	Section B1 (iii) - FSRU Civil works at Area E13	0 days	Mon 31/5/21	Mon 31/5/21								
16	Section B2 - Retractable Cover D at Area E22	0 days	Tue 31/3/20	Tue 31/3/20								
17	Section B3 - External works at Area B1, D2 and D4	0 days	Thu 30/4/20	Thu 30/4/20								
18	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								
19		0 days	Sun 1/12/19	Sun 1/12/19								
20		0 days	Thu 30/4/20	Thu 30/4/20								
21		0 days	Sun 1/3/20	Sun 1/3/20								
22	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								
23		0 days	Sun 1/3/20	Sun 1/3/20	-							
24		0 days	Thu 30/4/20	Thu 30/4/20								
25		0 days	Thu 30/4/20	Thu 30/4/20	-							
26		0 days	Sat 1/2/20	Sat 1/2/20								
27		0 days	Mon 28/9/20	Mon 28/9/20	ection E1 - (i) Link Brldge and Pipe and Cable	Rack connecting L11 MSB to the western area of L11	MSB at Area E3					
28		0 days	Tue 30/6/20	Tue 30/6/20								
29		0 days	Sun 28/2/21	Sun 28/2/21	-							
30		0 days	Thu 17/9/20	Thu 17/9/20	I Cable Rack and trench at west of Chimney R	oad and Pipe and Cable Rack at south of Middle Road	at Area E8 and E19					
31	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated	0 days	Tue 30/6/20	Tue 30/6/20								
32		0 days	Sun 15/9/19	Sun 15/9/19								
33		0 days	Sat 30/5/20	Sat 30/5/20	-							
34	E17 Section G - A&A Works at No. 4 C.W. Intake at Area E12	0 days	Sup 31/5/20	Sun 31/5/20	-							
35		•		Mon 15/7/19	-							
	Section 11 - Let 1 Sect the filler at No. 4 Chillilley	o uays	1/1011 13/ //19	1 1011 13/1/19								
17-	8002 Master Prog Rev 3 Task Split Split	Milesto	one •	Sum	nmary $\blacksquare$							
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					Page 1 of 8							

Cont	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 26March2019				
ID	Task Name	Duration	Start	Finish	2020	Nev				
36	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	0 days	Fri 15/5/20	Fri 15/5/20	Oct	Nov Dec				
37 38	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10 Section J - (i) Demolition of Retractable Cover A&B & (ii) Foundation of	0 days 0 days		Fri 15/5/20 Fri 30/4/21						
39 40	LMX Light Oil Storage Tank Nos. 3 & 4 and A&A for Existing Bund Wall at Section K1 - External works at Area 15 (E) and 15(F)	0 days		Mon 31/5/21						
41	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D7	0 days		Mon 31/5/21						
42	Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection  General & Preliminary	0 days		Thu 30/9/21 Wed 24/4/19						
43	Set up Temporary Site Office and Utilities	318 days 90 days		Wed 24/4/19 Wed 29/8/18						
44	Permit Applications & Statuary Submissions	120 days		Thu 27/12/18						
45	Existing Utilities scanning & Excavation Permit	45 days		Thu 27/12/18						
46	Tower Crane erection 2@MSB, 1@ 275	50 days		Wed 24/4/19						
47	Submission and Approval									
48		554 days		Mon 16/12/19 Sat 26/1/19						
	Method Statement / Temp Work Submission & Approval from HEC for General Works	240 days								
49	BD Approval & Consent (If required)	120 days		Fri 28/9/18						
50	BIM Model, CSD & CBWD Submission & Approval from HEC	200 days		Fri 26/4/19						
51	Structure Steelwork Connection Design Submission & BD Approval	60 days		Tue 27/11/18						
52	Structure Steelwork Shop Drawing & Approval	60 days	Sat 13/10/18							
53	Metal Cladding, louvre & windows submission & BD Approval	60 days	Wed 28/11/18							
54	Metal Cladding, louvre & windows shop drawing submission	60 days	Wed 12/12/18							
55	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	180 days	Sat 27/10/18							
56	Retractable Cover D BD Submission & Approval	90 days		Mon 20/5/19						
57 58	No. 4 C.W. Outfall A&A BD 1st Submission Sumission & Approval of Steel Flue Assessment Report and Design Drawings	90 days 60 days		Tue 27/11/18 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	100 days	Mon 15/10/18	Tue 22/1/19						
61	Folding Shutters Shop Drawing Submission & Approval	120 days		Wed 19/6/19						
62	Fabrication & Delivery of Folding Shutters	150 days	Thu 20/6/19	Sat 16/11/19						
63	Sewage Pump System Design submission & approval	90 days	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		OK .					
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		Sat 13/7/19						
69	Template setting at L11 Turbo Block Foundation	60 days		Mon 9/3/20						
70	Template setting of holding down bolts at HRSG column base	46 days	Tue 23/7/19							
71	I-beam / channel base installation on top of transformer foundations at Transformer Area	30 days		Sat 16/5/20						
72	Overhead crane erection at turbine hall using access through a temporary opening at L11 MSB roof between GL11-G to 11-H and 11-2 to 11-6	36 days		Tue 7/1/20	and a place areas halour 4/5 habour 101 44 D 1 42 D					
73	Condenser assembly and erection using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-B to 11-C including a clear space below 1/F between GL 11-B to 11-C	127 days	Sun 1/3/20		ng 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 a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-F to 11-H including a clear space below 1/F of the above area	142 days	Fri 1/5/20	Sat 19/9/20	er train equipment including air inlet duct using acc	ess through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-F to 11	-H including			
75	Installation of embedded materials such as holding down bolts for equipment foundations - Commencement	30 days	Sun 23/6/19	Mon 22/7/19						
76	Section A1 & A2 - Ground treatment at Zone 1A & 1B	<u>92 days</u>	Wed 1/8/18	Wed 31/10/18						
77	Plant establishment for earthworks	7 days		Tue 7/8/18						
78	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	45 days		Fri 21/9/18						
79	Delivery of band drain	5 days		Sun 2/9/18						
80	Plant establishment for band drain (1st rig)	10 days		Wed 12/9/18						
81	Plant establishment for band drain (2nd rig)	7 days		Wed 26/9/18						
82	Plant establishment for band drain (3rd rig)	7 days	Thu 11/10/18	Wed 17/10/18						
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onti _	ract No. 17/8002 Lamma Power Station Extension Civil and Building Work	s for Unit L11 17-8002 Master Prog Rev 3						Refer to CEM dated 26Marc					
T	Task Name	Duration	Start	Finish	, 2020	Oct		Nov		Dec			
3	Vert. Band drain installation (1023 nos. x 44m)	45 days		Sat 27/10/18	-		'		1				
1	Deposition of surcharge up to +8.3mPD	45 days	Mon 17/9/18										
	Section A3 - Ground treatment installation works at Zone 2		Mon 1/10/18										
	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	30 days	Mon 1/10/18		-								
7	Delivery of band drain	6 days	Thu 18/10/18		-								
3	Vert. Band drain installation (1787 nos. x 44m)	50 days	Wed 24/10/18										
9	Deposition of surcharge up to +8.3mPD	60 days	Mon 3/12/18										
0 1	Additional Concrete Blocks + Extra Surcharge	60 days		Sun 17/3/19									
2	Section A4 - Ground treatment installation works at Zone 3	131 days		Thu 21/3/19									
3	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD  Vert. Band drain installation	12 days		Mon 12/11/18	5								
4		60 days		Mon 7/1/19	-								
5	Deposition of surcharge up to +8.3mPD  Possession of Part 1 Defer portion at Zone 3	45 days 0 days	Tue 18/12/18	Wed 20/2/19	-								
3	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									
В	Vert. Band drain installation	7 days	Fri 1/3/19	Thu 7/3/19									
9	Surcharge at deferred portion	14 days	Fri 8/3/19	Thu 21/3/19									
00	Section A5 (i) - Ground treatment installation works at Zone 4	83 days	Wed 26/12/18										
1	Site Preparation for Vertical Band Drain	3 days		Thu 3/1/19	-								
12	Band drain installation Possession of Defer portion at Zone 4	21 days 0 days	Wed 26/12/18 Fri 1/3/19	Fri 1/3/19	-								
14	Vert. Band drain installation	0 days 28 days	Fri 1/3/19	Thu 28/3/19	-								
5	Section A5 (ii) - Surcharge works at Zone 4	30 days		Wed 30/9/20	<b>30 Se</b>	'20							
16	Deposition of surcharge up to +8.3mPD	30 days				ion of surcharge up to +8.3mPD							
7	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	493 days		Sat 28/3/20									
8	BD Amendment, resubmission & approval for Jacking Pit	170 days		Mon 29/4/19									
9	Consent for Jacking Pit ELS	28 days	Sat 20/4/19	Fri 17/5/19	1								
0	Mobilization	0 days	Sat 15/12/18	Sat 15/12/18									
11	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										
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		Sun 16/6/19	-								
5	Pipe Jacking set up & ground strengthing	18 days	Mon 17/6/19		-								
6	Pipe Jacking	90 days		Sun 8/12/19 Thu 23/5/19	-								
7	Receiving Pit BD Approval  Consent for Pipe & Sheet pile	170 days 28 days	Tue 14/5/19		-								
9	Receiving Pit Pipe & Sheet pile installation	30 days		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									
22	Allow modify existing outfall manhole for pipe jacking receiving	18 days	Tue 10/9/19	Fri 27/9/19									
23	Culvert Pipe Intallation & water test	55 days	Mon 9/12/19	Wed 12/2/20									
24	Inspection Manhole at Jacking Pit + backfill (Area E3(A))	18 days	Thu 13/2/20	Sun 1/3/20									
25	Manhole extension at Outfall no. 4 + backfill + Reinstate of Outfall Rd	45 days	Thu 13/2/20	Sat 28/3/20									
26	Sheetpile for L12 Outlet culvert (Connection to Jacking Pit)	45 days	Mon 15/7/19										
7	Consent + ELS for remaining jacking pit	75 days		Mon 11/11/19	_								
28	Outlet Culvert pipe installation + Thrust Box (remaining portion at A1 Area)	45 days		Sat 28/12/19	-								
29	Sheet pile for future extension along GRS	60 days		Sun 27/10/19	_								
30 31	Section A6 (ii) - External works at Area E15(D)	37 days		Sat 15/2/20									
32	Arae possession & Clearance Road & Surface Works	6 days		Mon 6/1/20	_								
3		31 days		Sat 15/2/20									
	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	375 days	1 nu 31/1/19	Sun 1/3/20									
34	Area Possession & Clearance	0 days	Thu 31/1/10	Thu 31/1/19									
5	Excavation for CW Inlet Culvert (South of L11 HRSG)	21 days		Mon 6/5/19	-								
6	Installation CW Inlet Culvert pipe	30 days		Wed 5/6/19									
7	Construction of Thrust Box & Manholes, etc	14 days		Wed 3/6/19 Wed 19/6/19									
8	Backfill	21 days		Wed 19/0/19									
9	Install underground utilities	45 days	Mon 30/9/19										
-0	Backfill and Temporary paving for Condensor Move in (E1)	14 days	Mon 17/2/20										
1	Backfill and Temporary paving for Condensor Move in (21)	30 days		Sun 1/3/20	1								
2	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB	482 days		Tue 17/3/20									
-	including the associated roof structure except the roof deferred works	402 uays	1110 1/11/10	1 uc 17/3/20									
3	Area possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18									
000	20 Martin Dung Dani 2	\$ 4 <sup>11</sup>											
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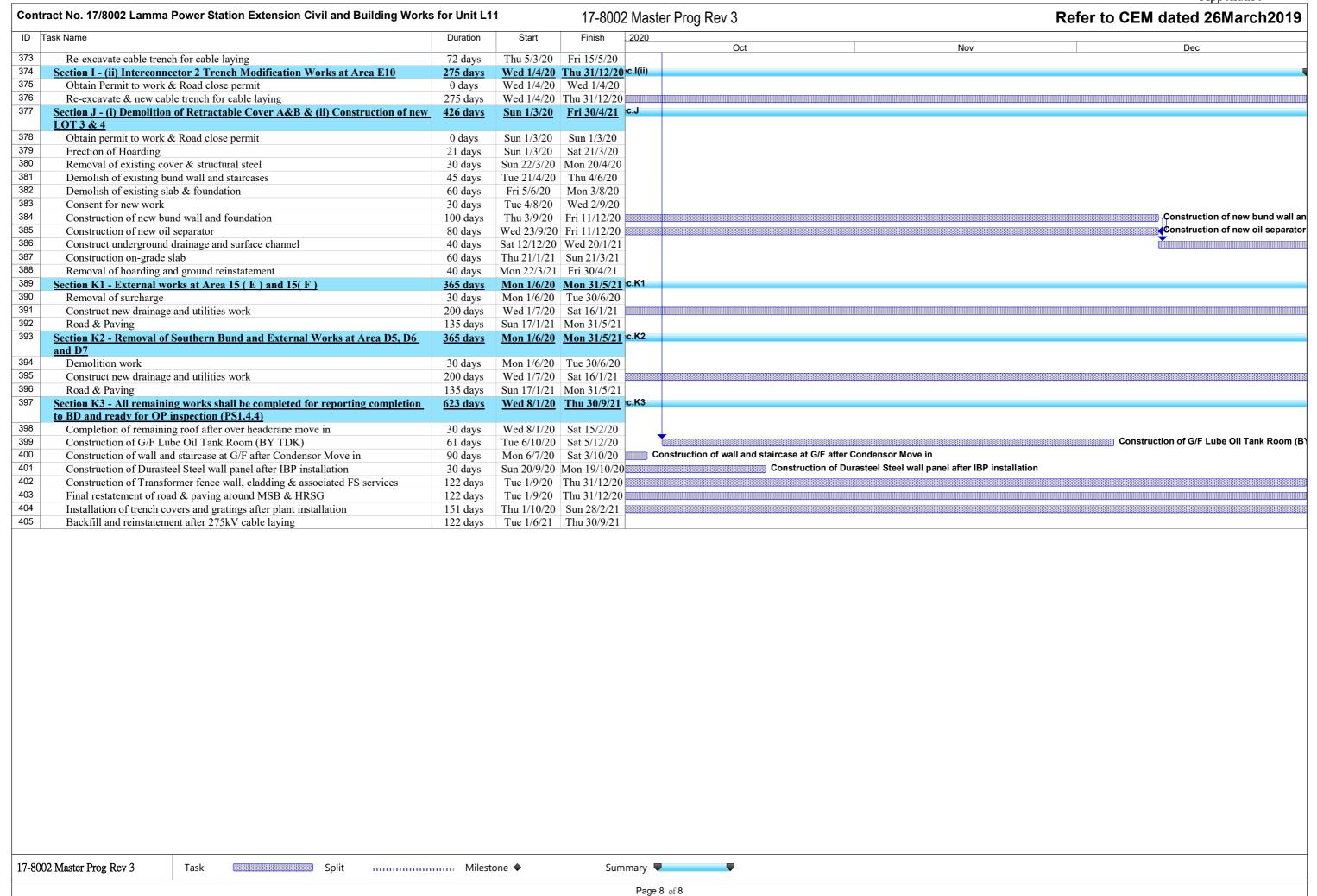
Contract No. 17/8002 Lamma Power Station Extension Civil and Building Works for Unit L11    D					
טו		Duration		Finish	
44	Erection of turbine hall roof except defer work	0 days		9 Wed 13/11/19	
45	Installation of crane griders		Mon 11/11/19		
46 47	Turbine hall wall claddings	60 days		Tue 17/3/20	
48	Section B1 (iii) - FSRU Civil works at Area E13 (GRS)	151 days		Mon 31/5/21	
49	Submission and approval for consent to work Civil & Building Works	0 days	Fri 1/1/21	Fri 1/1/21 Mon 10/5/21	
50	Ground reinstatement	130 days 21 days		Mon 31/5/21	
51	Section B2 - Retractable Cover D at Area E22	435 days		Tue 31/3/20	
52	Area Possession, Demolition and clearance work	60 days		Mon 11/3/19	
53	Revise Structural Form and BD resubmission & approval	150 days	Tue 12/3/19		
54	Foundation construction	60 days		Mon 7/10/19	
55	Backfill & Ground reinstatement	30 days		Wed 6/11/19	
56	Superstructure fabrication & delivery	90 days		Wed 6/11/19	
57	Superstructure erection	90 days		Sat 15/2/20	
58	E&M Installation and T&C	45 days		Tue 31/3/20	
59	Section B3 - External works at Area B1, D2 and D4	416 days		Thu 30/4/20	
60	Receive Area from HKE, Area Possession & Clearance	0 days	Fri 1/3/19	Fri 1/3/19	
61	Removal of existing paving for band drain under Section A5(i)	30 days	Fri 1/3/19	Sat 30/3/19	
62	Complete Vert. Band drain under Section A5(i)	0 days		Thu 28/3/19	
63	Ground preparation for B1, D2 & D4 for handover to Plant contractor	90 days		Thu 30/4/20	
64	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station	466 days		Sun 1/3/20	
	Road at Area E3(A) & E3(B)	Too uays	1 Hu 1/11/10	Sull 1/3/20	
65	Area Possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18	
66	Excavation for Type C (Area E3A)	21 days		Mon 15/4/19	
67	Installation CW Outlet Culvert Pipe connect to Type C1	21 days		Mon 6/5/19	
68	Installation CW Inlet Culvert pipe (South of L11 Condensor)	21 days		Sun 9/6/19	
69	Construction of Thrust Box	10 days		Wed 19/6/19	
70	Construction of Access Manhole	21 days		Sun 30/6/19	
171	Backfill	14 days		Sun 14/7/19	
72	Construction of Underground drainage and utilities	60 days	Thu 7/11/19		
73	Construct Temp Paving for Condenser move in	45 days		Sun 1/3/20	
74	Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area	295 days		Sun 1/12/19	
	E7 (No Defer Foundations)				
75	Area Possession & Clearance	0 days	Thu 31/1/19	Thu 31/1/19	
76	Excavation & Pile Caps & Tie Beams (HRSG South Area E7)	45 days	Sun 19/5/19	Tue 2/7/19	
77	Construction RC foundations	45 days		Thu 22/8/19	
78	Construction RC plinths	30 days		Sat 21/9/19	
79	Construction underground utilities	45 days		Sun 6/10/19	
80	Backfill & Construction on-grade slabs	35 days	Mon 7/10/19	Sun 10/11/19	
81	Backfill and Temporary paving		Mon 11/11/19		
82	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				
83	Area Possession & Clearance	0 days		Sat 1/12/18	
84	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block North)	70 days		Wed 3/4/19	
85	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block South)	30 days		Thu 8/8/19	
86	Backfill and construction turbine block foundations	21 days		Thu 29/8/19	
87	Construction of internal drainage	60 days		Mon 7/10/19	
88	Construction RC walls incl. G/F rooms	90 days		Tue 7/1/20	
89	Construction turbine block columns and upper portion for plant embed	21 days	Mon 9/9/19	Sun 29/9/19	
00	installation				
90	Concrete Turbine upper part foundation & clear falsework	52 days		Thu 30/4/20	
91	Section C2 - (iii) G/F of L11 MSB including the Condenser Pit, Circulating	<u>466 days</u>	Thu 1/11/18	Sun 1/3/20	
	Water Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-1				
00	to 11-6 for the installation of condenser	0 1	TP1 1/11/10	TP1 1/11/10	
92	Area Possession & Clearance	0 days		Thu 1/11/18	
93	Excavation to foundation level at ELS Type A	18 days		Tue 30/4/19	
94	Construction of CW Outlet Box + lowest tie beam & caps	40 days		Sun 9/6/19	
95	Construction of pile caps & tie beams & hot well sump pit up to +2.5mPD	30 days	Mon 10/6/19		
96	Backfill & Construction of CW Inlet Box + tie beams	18 days	Wed 10/7/19	□ Sat 27/7/19	

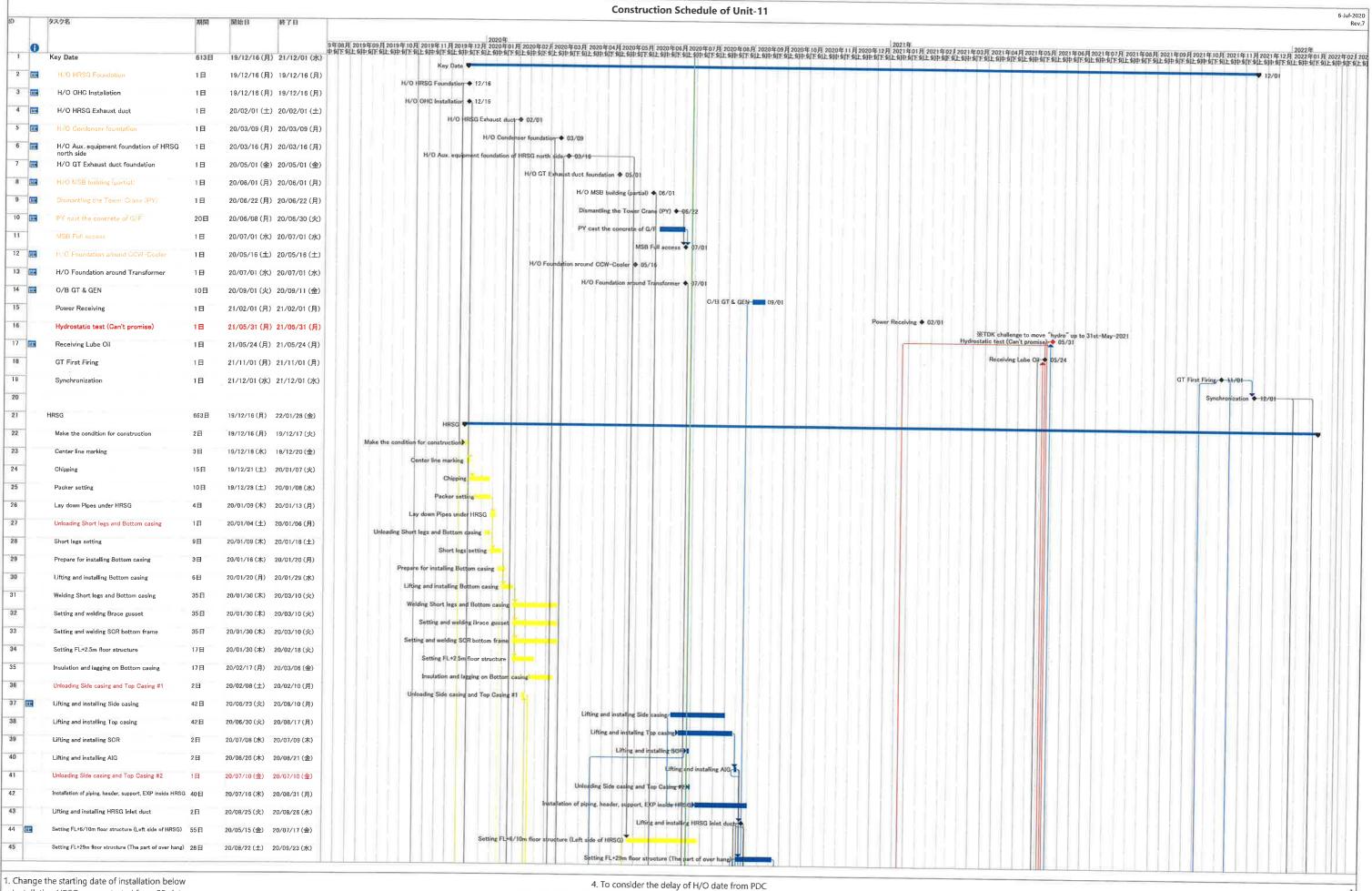
	ract No. 17/8002 Lamma Power Station Extension Civil and Building Wor		17-8002 Master Prog Rev 3							
ID _	Task Name	Duration	Start	Finish	, 20					
197	Backfill and Construction ground beams & trenches	18 days		Wed 14/8/19						
198	Construction of indoor underground drainage	12 days		Mon 26/8/19	l					
199	Backfill & construction on-grade slabs	10 days		Thu 5/9/19						
200	Construction Column casting and RC walls	30 days		Tue 29/10/19						
201 202	Metal Cladding & Louvres for GLB-C/1-6  Mis. Works for plant erection	60 days	Thu 28/11/19 Fri 7/2/20	Thu 6/2/20 Sun 1/3/20						
202	Section D - (i) Roads and external grounds surrounding L11 MSB and L11	24 days 414 days		Tue 31/12/19	)					
	HRSG in addition to the southern & eastern areas mentioned above in Area E	<del>114 uays</del>	111u 1/11/10	Tuc 31/12/17						
	and E6									
204	Area Possession & Clearance	14 days		Wed 14/11/18						
205	Excavation for Type C1 and open sheet pile	75 days		Mon 8/4/19						
206	Install CW Outlet pipe & connect to prevous	21 days		Mon 6/5/19						
207	Backfill	10 days		Thu 16/5/19						
208	Undeground utilities and trenches	60 days		Sat 31/8/19						
209	Construction of plant drainage, trenches & RC plinths	45 days		Tue 15/10/19						
210	Remaining Undeground utilities & backfill (West of Tx Bay)	75 days		9 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						
212	surrounding in Area E6	0.1	TI 21/1/10	T1 21/1/10						
212 213	Area Possession & Clearance Everything & Dita & Dita Cong & Tia Booms (UDSC north Area E6)	0 days		Thu 31/1/19 Sat 18/5/19	1					
214	Excavation & Pits & Pile Caps & Tie Beams (HRSG north Area E6)  Construction RC foundations	45 days 45 days		Tue 2/7/19	ł					
215	Construction RC plinths & HRSG Lift Pit & internal drainage	60 days		Wed 7/8/19	l					
216	Backfill Construction on-grade slabs	28 days		Wed 4/9/19	1					
217	Construction underground utilities	45 days		Sat 19/10/19	1					
218	Backfill, Remaining utilities and temporary paving	85 days		Mon 17/2/20						
219	Touch up and site clearance	13 days	Tue 18/2/20	Sun 1/3/20						
220	Section D - (iii) Whole of L11 MSB including the pipe and cable rack along	<b>526 days</b>	Thu 1/11/18	Thu 30/4/20	l					
	south façade of L11 MSB with all underground utilities at Area E4 including									
204	C.W. Inlet and Outlet Culvert except the deferred works	0.1	TT 1/11/10	TP1 1/11/10						
221	Area Possession & Clearance	0 days		Thu 1/11/18						
222	Construction of pile caps & tie beams at Transformer Area	60 days		Sun 13/1/19						
223 224	Excavation & Construction Blow Down Sum pit (Type B)	45 days		Sat 18/5/19						
225	Construction of pile caps & tie beams at SunShadeCover Area	45 days		Fri 23/8/19						
225 226	Preaparation for S.Steelwork Erection	14 days		Tue 16/7/19	$\frac{1}{2}$					
227	Structural Delivery & Erection (Turhine Hall North fr G.L. 1-3/H->B)	30 days		Thu 15/8/19 Sun 29/9/19						
228	Structural Delivery & Erection (Equipment Floors) Structural Delivery & Erection (Turbine Hall South)	45 days		Sun 29/9/19 Wed 13/11/19						
229	Fire Coating Application at Joint	45 days 120 days		Fri 13/12/19						
230	External Scaffolding Erection	150 days		Sun 29/12/19						
231	Construction 1/F RC Slab	130 days		Sun 13/10/19						
232	Construction M/F RC Slab		Mon 14/10/19							
233	Construction 2/F RC Slab		Mon 14/10/19							
234	Construction 3/F RC Slab		Mon 28/10/19		-1					
235	Construction 4/F RC Slab		Mon 11/11/19							
236	Construction 5/F RC Slab (Roof of turbine hall, except defer portion)		Mon 25/11/19							
237	Construction Roof RC Slab	14 days	Mon 9/12/19	Sun 22/12/19						
238	Construction Upper Roof RC Slab	12 days		Tue 7/1/20						
239	Construction Defer Roof RC Slab (G.L. G-H)	30 days		Sat 15/2/20						
240	Construction of Staircase ST-01 & lift shaft & machine room	120 days		Sun 29/12/19						
241	Construction of Staircase ST-02 except defer work	76 days		9 Mon 13/1/20						
242	Construction of RC plinth, kerbs & parapet Walls	30 days		Sat 7/3/20						
243	Erection of Skylight & Roof Features	45 days		Sun 5/4/20						
244	Waterproofing & Flooring at Roof	60 days		Mon 16/3/20						
245	ABFW Works from 1/F to 5/F equipment rooms									
246	Metal Cladding, Windows and Louvres incl. roof feature		Thu 28/11/19							
247 248	Removal of external scaffolding	60 days		Thu 16/4/20						
240 249	Building Services E&M Access & Installation  Remaining and Mis. works for Plant erection Full Access	150 days 18 days		Sun 12/4/20 Thu 30/4/20						
250	Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of L1			Thu 30/4/20						
	MSB including their associated alternations & additions (A&A) Works at L10									
	MSB									
7.00	22 Martan Dana Dana 2	* **1 ·								
Q(	02 Master Prog Rev 3 Task Split Split	Milact	one 🌢	Sun						

<u> </u>						er Prog Rev 3	Refer to CEM dated 26March20					
ן ע	ask Name	Duration	Start	Finish	2020	Oct		lov	Dec			
51	Area Possession & Clearance	0 days	Thu 1/11/18	Thu 1/11/18		300			, 500			
2	A&A works at South of L10 MSB	60 days	Thu 28/11/19									
3	Erection of link bridge structural steel	21 days		Thu 27/2/20	1							
ı	Casting of bridge deck	7 days		Thu 5/3/20	1							
		•			-							
5	Metal roofing installation	14 days		Thu 19/3/20	-							
6	ABWF work	21 days		Thu 9/4/20								
57	Form new opening at MSB for final connection	14 days	Fri 27/3/20									
58	E&M Work for completion	21 days	Fri 10/4/20	Thu 30/4/20								
59	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated	345 days	Mon 11/2/19	Sat 1/2/20								
	trench in Area E20											
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		-							
					-							
32	Consent for excavation	28 days		Fri 24/5/19	-							
53	Excavation & plate load test	45 days		Mon 15/7/19	-							
64	Construction of foundation	45 days	Tue 16/7/19	Thu 29/8/19								
35	Backfill & Underground utiltiies	30 days	Fri 30/8/19	Sat 28/9/19								
66	Remaining Pipe & cable rack and associated trenchs in Area E20	115 days	Sun 29/9/19	Sat 1/2/20								
7	Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to	263 days		Mon 28/9/20	Bc Stetri 12	d						
	the western area of L11 MSB at Area E3	200 uays	77 Cu 1/1/20	1/10H 2017/20								
38	Area Possession	O davia	Wod 1/1/20	Wod 1/1/20								
86		0 days		Wed 1/1/20								
59	Excavation & construction of new foundation	40 days		Tue 18/2/20	-							
0	Backfill	10 days	Wed 19/2/20	Fri 28/2/20								
71	Erection of Structural steel	30 days	Mon 6/7/20									
72	Backfill & Ground works	55 days	Wed 5/8/20	Mon 28/9/20	ckfill &	Ground works						
73	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station	173 days		Tue 30/6/20								
	Equipment Room (GRS) Area Extension at Area E16	<u> </u>	1100 111120	1400010120	, ,							
'4	Area Possession	0 days	Wad 1/1/20	Wed 1/1/20								
					-							
5	Removal of Surcharge and excavation	14 days		Tue 14/1/20								
76	Modification of Site Drainage	45 days	Wed 15/1/20									
77	Construction of new RC for GRS Equipment Room	75 days	Tue 14/1/20	Mon 6/4/20								
78	ABWF for GRS Equipment room	45 days	Tue 7/4/20	Thu 21/5/20								
79	E&M Installation	45 days		Tue 30/6/20								
80	Construction of new Gas pipe plinths & racks	45 days		Mon 6/4/20	-							
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								
33	Section E1 - (iii) External Works at Area E15 ( C )	<u>273 days</u>		Sun 28/2/21								
34	Removal of Surcharge and excavation	45 days	Mon 1/6/20	Wed 15/7/20								
35	Underground drianage, Utilities and RC plinths	123 days	Thu 16/7/20	Sun 15/11/20				Underground dr	rianage, Utilities and RC plinths			
36	Backfill and install surface utilities	45 days	Mon 16/11/20	Wed 30/12/20								
87	Roadwork	60 days	Thu 31/12/20		1							
88	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and	495 days		Thu 17/9/20	c.E2							
	Pipe and Cable Rack at south of Middle Road at Area E8 and E19	493 uays	<u>vv eu 1/3/17</u>	111u 17/7/20	JOILE							
90		0.1	W 11/5/10	W 11/5/10								
39	BD consent + Site Possession @ Area E8	0 days		Wed 1/5/19	-							
90	Excavation & Plate load test	60 days	Wed 1/5/19	Sat 29/6/19	-							
91	Foundation and Trench constructions	90 days	Sun 30/6/19	Tue 26/11/19	-							
	Backfill & underground utitiles + temp paving	60 days			-							
93	Excavation & plate load test @ E19	60 days	Wed 27/11/19									
94	Construction of foundations & trenches	45 days		Sat 21/3/20								
95	Backfill & underground utitiles	60 days	Sun 22/3/20	Wed 20/5/20								
96	Pipe & cable rack Erection	60 days	Thu 21/5/20									
97	Ground reinstatement	60 days	Mon 20/7/20									
98	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated	173 days		Tue 30/6/20								
_	external works at Area E14, E15 (A) and E15 (B)	1/3 days	vveu 1/1/20	1 ue 30/0/20	JV							
0		21 1	W/- 1 1 /1 /00	T 21/1/22								
9	Removal of surcharge / site clearance	21 days		Tue 21/1/20	-							
00	Excavation & construction of pipe trench	30 days	Wed 22/1/20									
)1	Construction of gas pipe support foundation	30 days	Sun 1/3/20	Mon 30/3/20								
2	Construction of underground drainage and utilities	60 days	Tue 31/3/20	Fri 29/5/20								
)3	Backfill & road work	32 days		Tue 30/6/20								
)4	Section E4 - 275kV cable trenching works connecting the 275kV Switching	185 days		Sun 15/9/19	_							
	Station Extension and L11 MSB at Area E9 (A)	103 uays	F11 13/3/19	Sun 13/9/19								
05		O dove	Fri 15/3/19	Fri 15/3/19								
JO I	Site possession	0 days	FII 15/3/19	FII 15/3/19								

k Name	D	ontract No. 17/8002 Lamma Power Station Extension Civil and Building Works for Unit L11						
	Duration	Start	Finish					
Obtain Permit to work & Road close permit	10 days	Fri 15/3/19	Sun 24/3/19					
Excavation & construction new cable trench to 275kV	45 days	Mon 25/3/19						
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 E1	709 days	<u>Fri 1/6/18</u>	Sat 30/5/20					
Installation of FLS 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					
BD Amendment Approval on A&A	0 days		Mon 17/12/18					
			Mon 4/2/19 Sun 24/2/19					
			Fri 19/10/18					
Consent & BA10 for Demolition of Existing Staircase	0 days	Fri 8/3/19	Fri 8/3/19					
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					
			Fri 10/5/19					
			Thu 25/10/18 Thu 31/1/19					
			Fri 22/3/19					
	21 days	Sat 11/5/19	Fri 31/5/19					
RC Construction up to 1/F (Stage 1)	30 days	Sat 11/5/19	Sun 9/6/19					
			Wed 14/8/19					
			Fri 13/12/19 Fri 12/4/19					
			Tue 11/6/19					
Erection of Structural Steel GL 17~18	30 days	Fri 16/8/19	Sat 14/9/19					
Erection of Structural Steel GL 8~17	60 days		Wed 13/11/19					
			Sat 5/10/19 Tue 19/11/19					
Erection of Working Platform and Scaffold	150 days		Wed 27/11/19					
Install Decking	60 days	Wed 9/10/19	Sat 7/12/19					
RC Walls from 1/F @ GIS Hall	40 days		Mon 9/12/19					
Construction of 2/F RC slab	14 days		Mon 23/12/19					
			Wed 15/1/20 Fri 7/2/20					
Construction of GIS Hall Floor			Tue 3/3/20					
Installation of Overhead Crane (By JEC)	60 days	Wed 4/3/20	Sat 2/5/20					
Construction of staircase ST4, ST5, Lift Shaft & Equip Floors	150 days	Sun 15/9/19	Sat 22/2/20					
Lift Installation	90 days	Sun 23/2/20	Fri 22/5/20					
ABWF Works @ G/F ABWF Works @ 1/F								
ABWF Works @ 2/F		Fri 13/12/19						
ABWF Works @ R/F	30 days	Tue 14/1/20	Fri 21/2/20					
ABWF Works @ UR/F	21 days	Mon 3/2/20	Sun 23/2/20					
	45 days		Mon 9/3/20					
Shutter Erection	30 days	Fri 3/4/20	Sat 2/5/20					
Removal of External Scaffolding + Tower Crane	35 days	Fri 3/4/20	Thu 7/5/20					
			Sat 16/5/20					
			Sat 30/5/20 Sat 30/5/20					
Permit to work			Wed 1/1/20					
	•							
	-		Sun 31/5/20					
			Tue 1/1/19					
*			Mon 21/1/19					
	-							
•								
Section I - (i) 275kV cable trenching works connecting the 275kV Switching	232 days		Fri 15/5/20					
	O darra	Cue 15/0/10	Cup 15/0/10					
Excavation & construction new cable trench	-							
<u>S</u>	Excavation & construction new cable trench to L11MSB  Section F - 275kV Station Building Extension and associated works at Area E1'  Installation of ELS for 275kV Switching Station near Staircase ST-3 and ST-6 Construction of Staircase ST-3 BD Amendment Approval on A&A BD Amendment Approval on A&A BD Amendment Approval on A&A TS-6 Consent of New Foundation Works (Stage 1) Consent & BA10 for Demolition of Existing Staircase Demolition of Existing Staircase and Submit BA14A BD inspection for BA14A & Issue OP Consent & BA10 for New Foundation Work (Stage 2) Hoarding Modification Pile Cap & Tie Beam Construction (Stage 1) Erection of Tower Crane Pile Cap and Tie Beam (Stage 2) RC Construction up to 1/F (Stage 1) RC Construction up to 1/F (Stage 1) RC Construction of Staircase ST6 Shop Drawing Submission & Approval of Structural Steel Structural Steel fabrication & Delivery Erection of Structural Steel GL 17-18 Erection of Structural Steel GL 8-17 Metal Cladding Delivery Metal Door, Window & Louve Delivery Erection of Working Platform and Scaffold Install Decking RC Walls from 1/F @ GIS Hall Construction of 1/F/R C slab Construction of 1/F/R C slab Construction of GIS Hall Floor Installation of Overhead Crane (By JEC) Construction of GIS Hall Floor Installation of Overhead Crane (By JEC) Construction of Stair RC slab Construction of Stair	Exection F - 275kV Station Building Extension and associated works at Area E17  799 days  Installation of ELS for 275kV Switching Station near Staircase ST-3 and ST-6  14 days  BO Amendment Approval on A&A ST 3& Drainage  15 D Amendment Approval on A&A ST 3& Drainage  16 D Amendment Approval on A&A ST 3& Drainage  17 O days  18 D Amendment Approval on A&A ST 3& Drainage  18 D Amendment Approval on A&A ST 3& Drainage  19 O large ST 3  11 Drainage ST 3  11 Drainage ST 3  12 Drainage ST 3  13 Drainage ST 3  14 days  14 days  15 Drainage ST 3  16 Drainage ST 3  17 Drainage ST 3  18 Drainage ST 3  19 Drainage ST 3  19 Drainage ST 3  19 Drainage ST 3  19 Drainage ST 3  10 Dra	Executation & construction new cable trench to L1 IMSB   130 days   Fri 16/18   150 days   Fri 16/18   150 days   Fri 16/18   150 days   150					

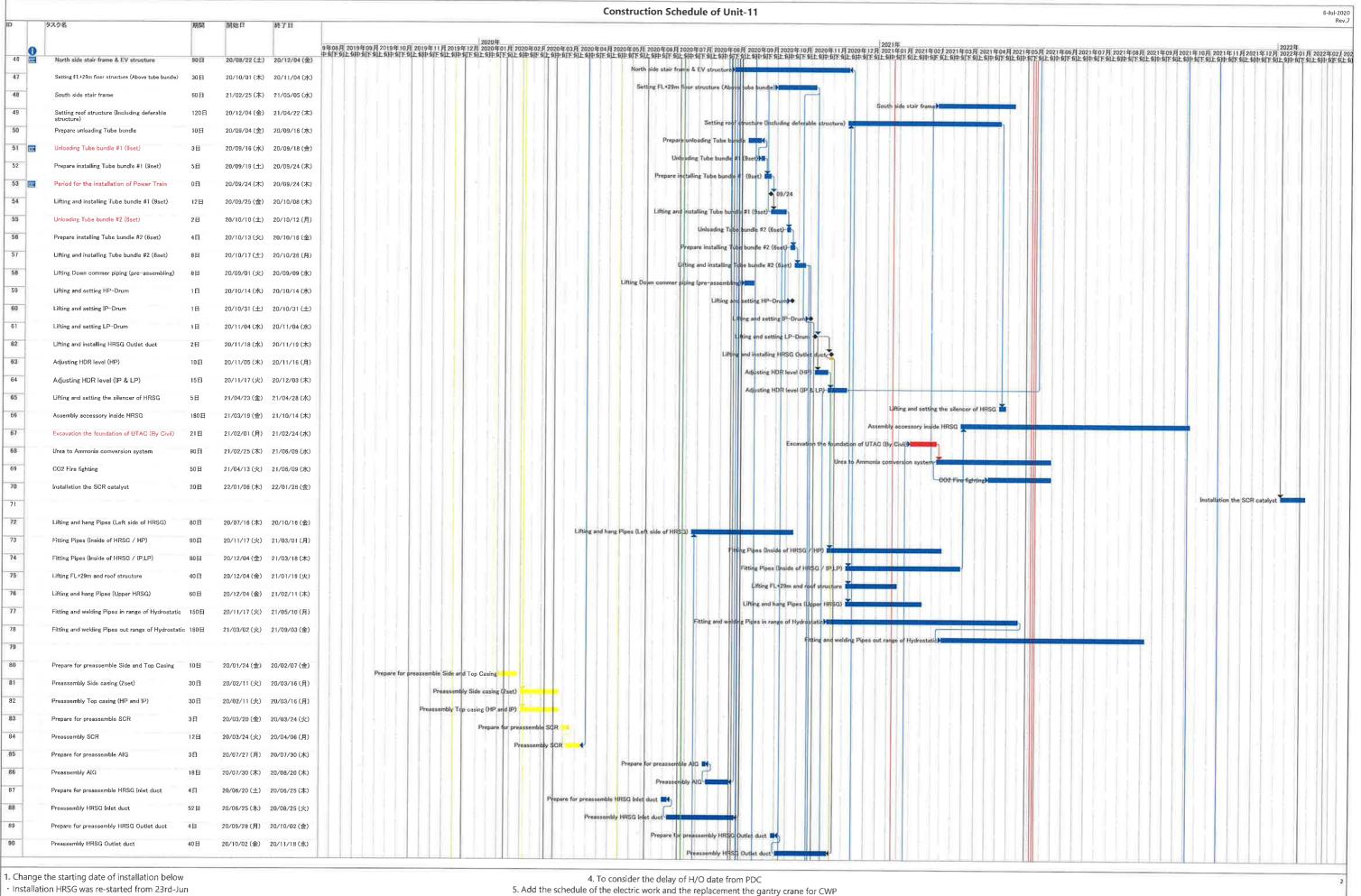
Appendix J





- Installation HRSG was re-started from 23rd-Jun
- Installation Exhaust duct was re-started from 15st-May
- 2, To consider that structure of Takasago portion is delayed

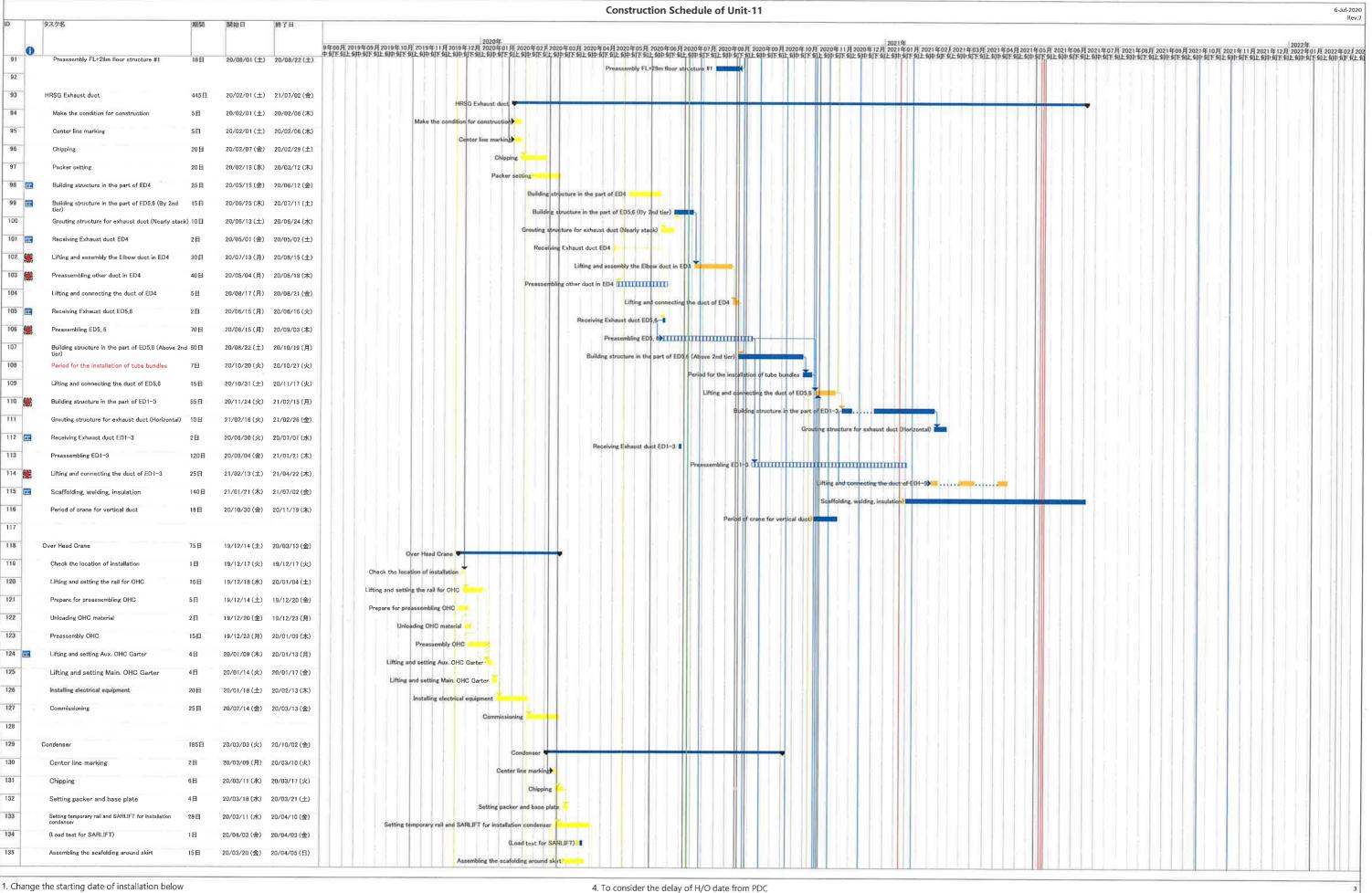
- 5. Add the schedule of the electric work and the replacement the gantry crane for CWP



Installation HRSG was re-started from 23rd-Jun

<sup>·</sup> Installation Exhaust duct was re-started from 15st-May

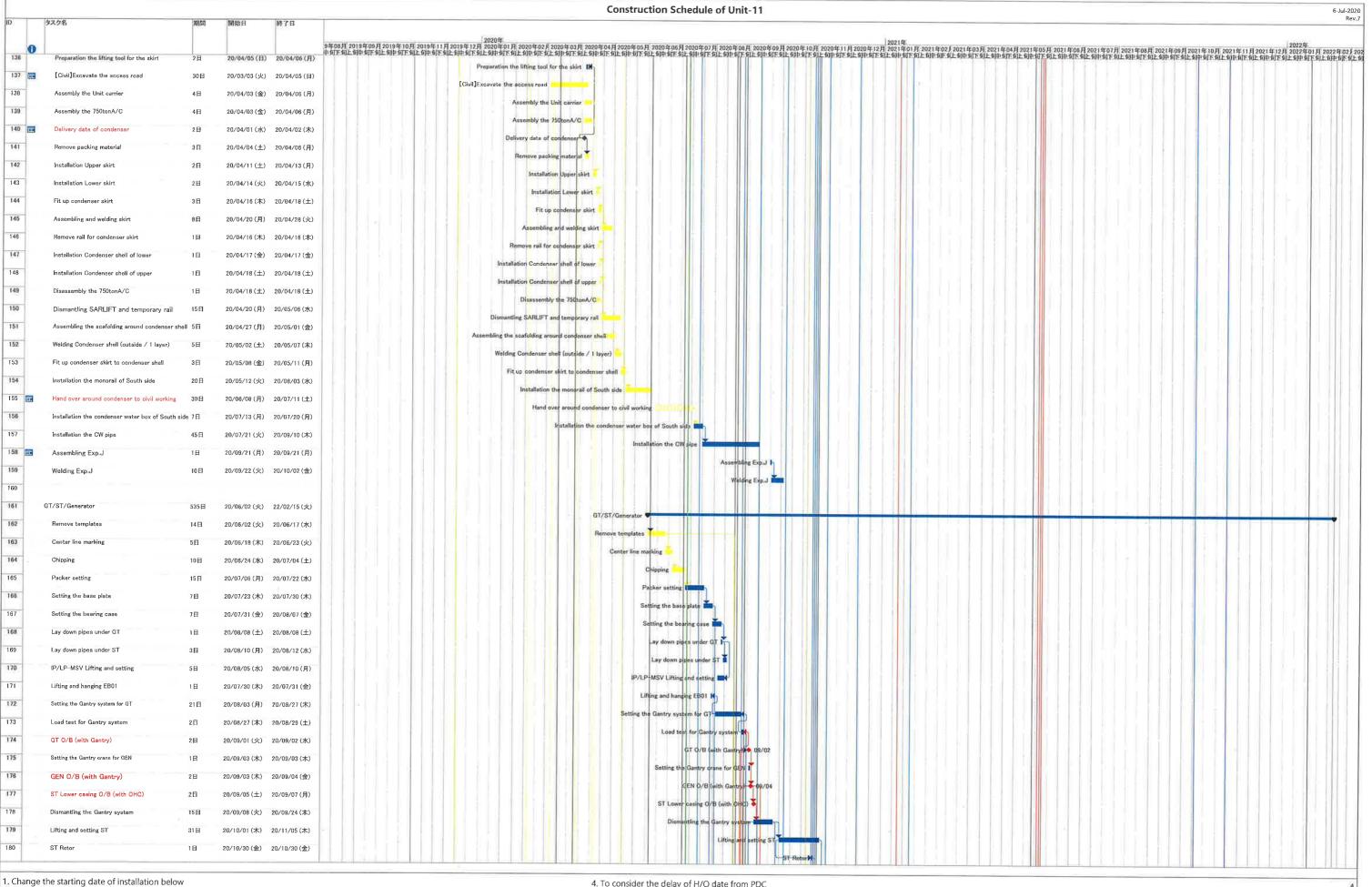
<sup>2.</sup> To consider that structure of Takasago portion is delayed



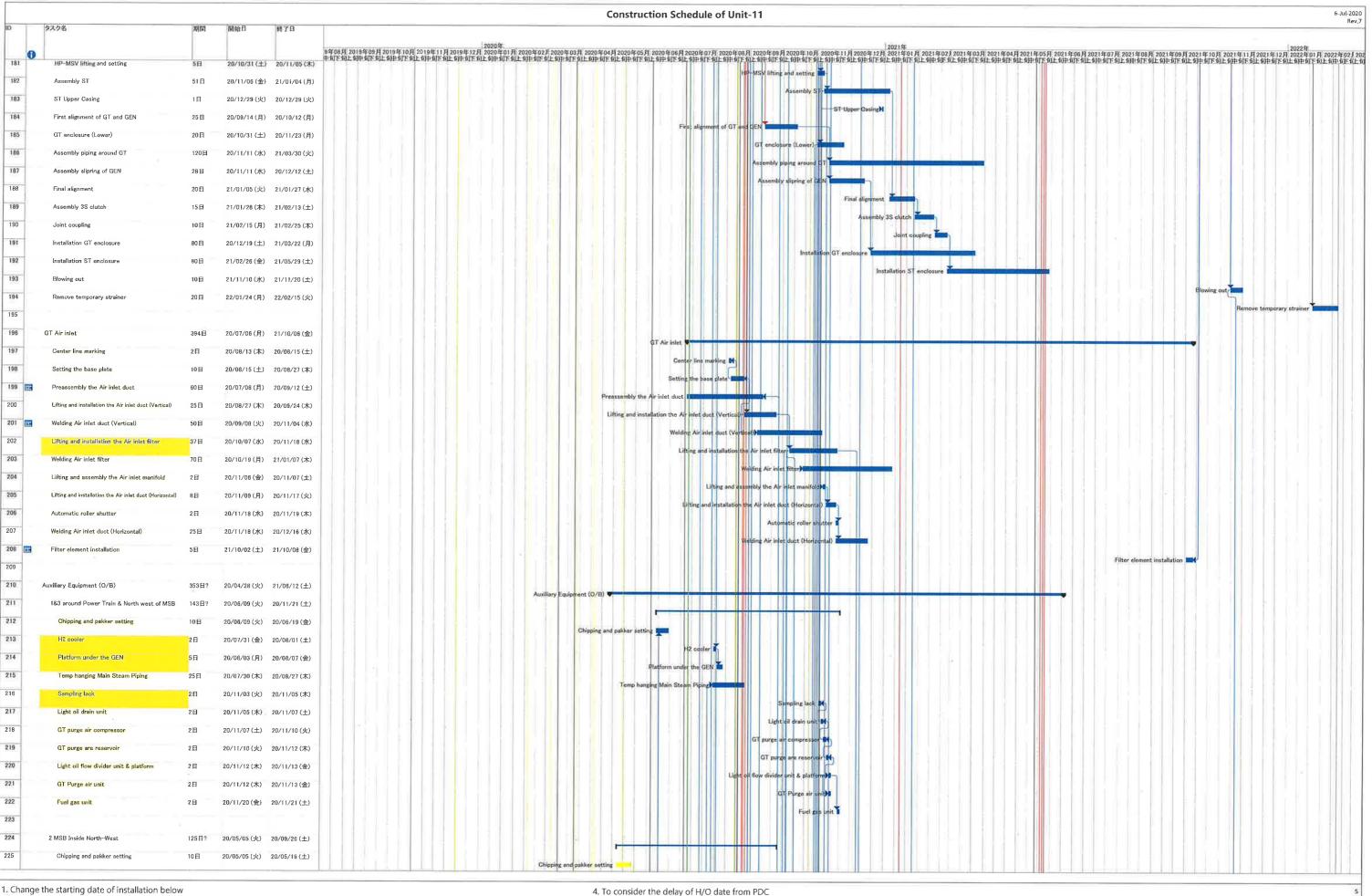
Installation HRSG was re-started from 23rd-Jun

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

<sup>2:</sup> To consider that structure of Takasago portion is delayed



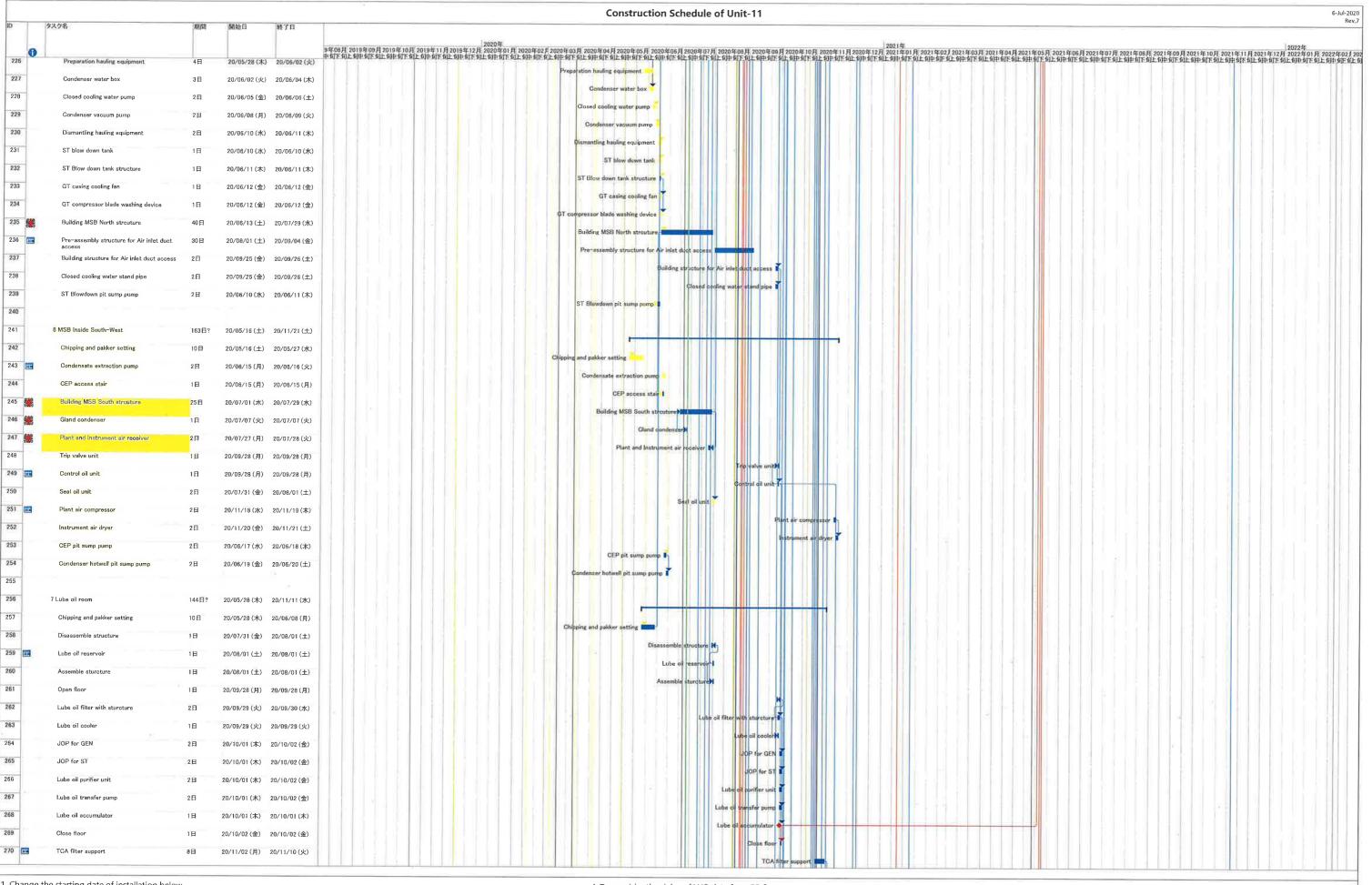
- Installation HRSG was re-started from 23rd-Jun
- Installation Exhaust duct was re-started from 15st-May
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Installation HRSG was re-started from 23rd-Jun

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

<sup>2.</sup> To consider that structure of Takasago portion is delayed

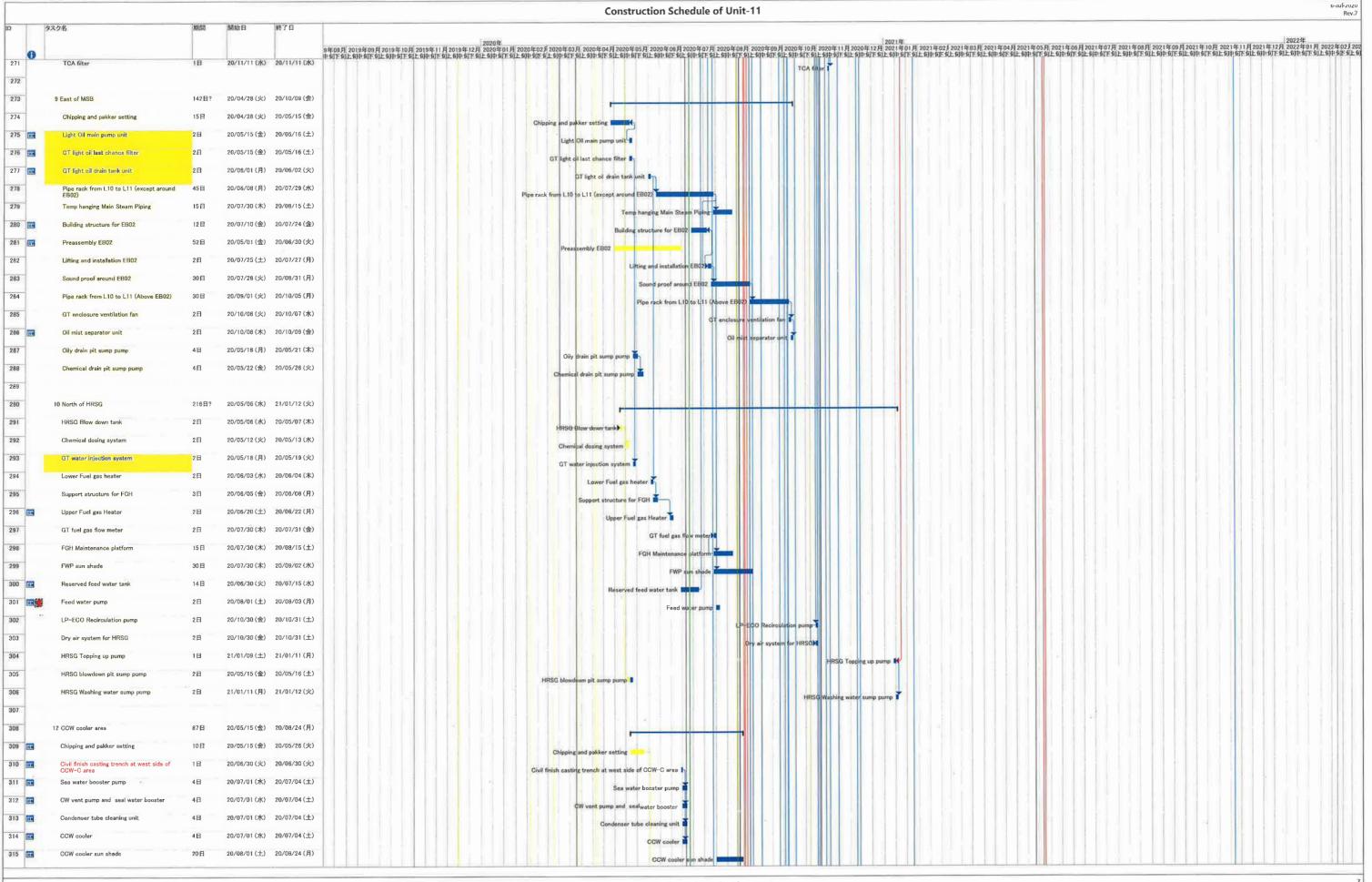


<sup>1.</sup> Change the starting date of installation below

<sup>·</sup> Installation HRSG was re-started from 23rd-Jun

<sup>·</sup> Installation Exhaust duct was re-started from15st-May

<sup>2.</sup> To consider that structure of Takasago portion is delayed

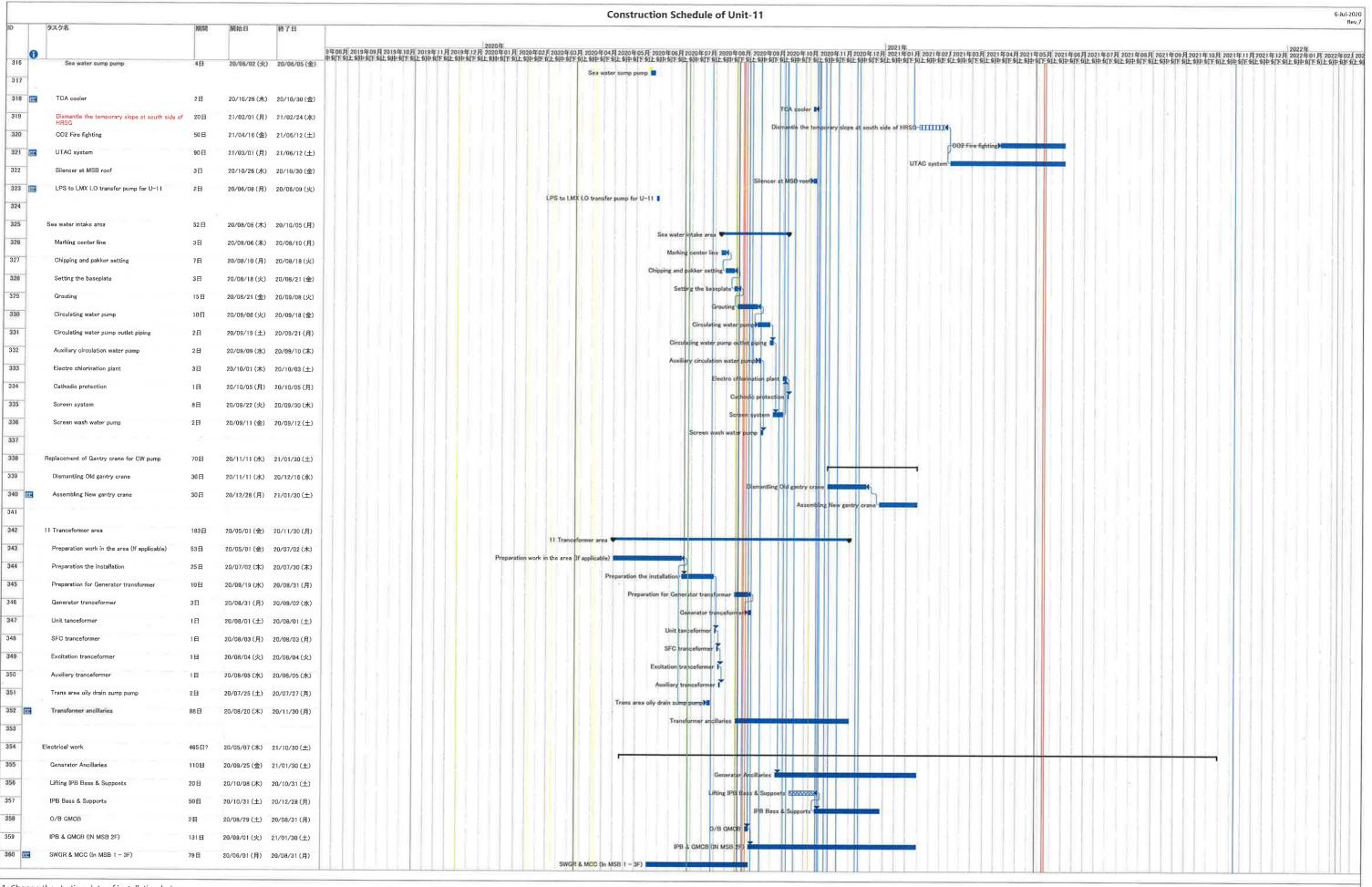


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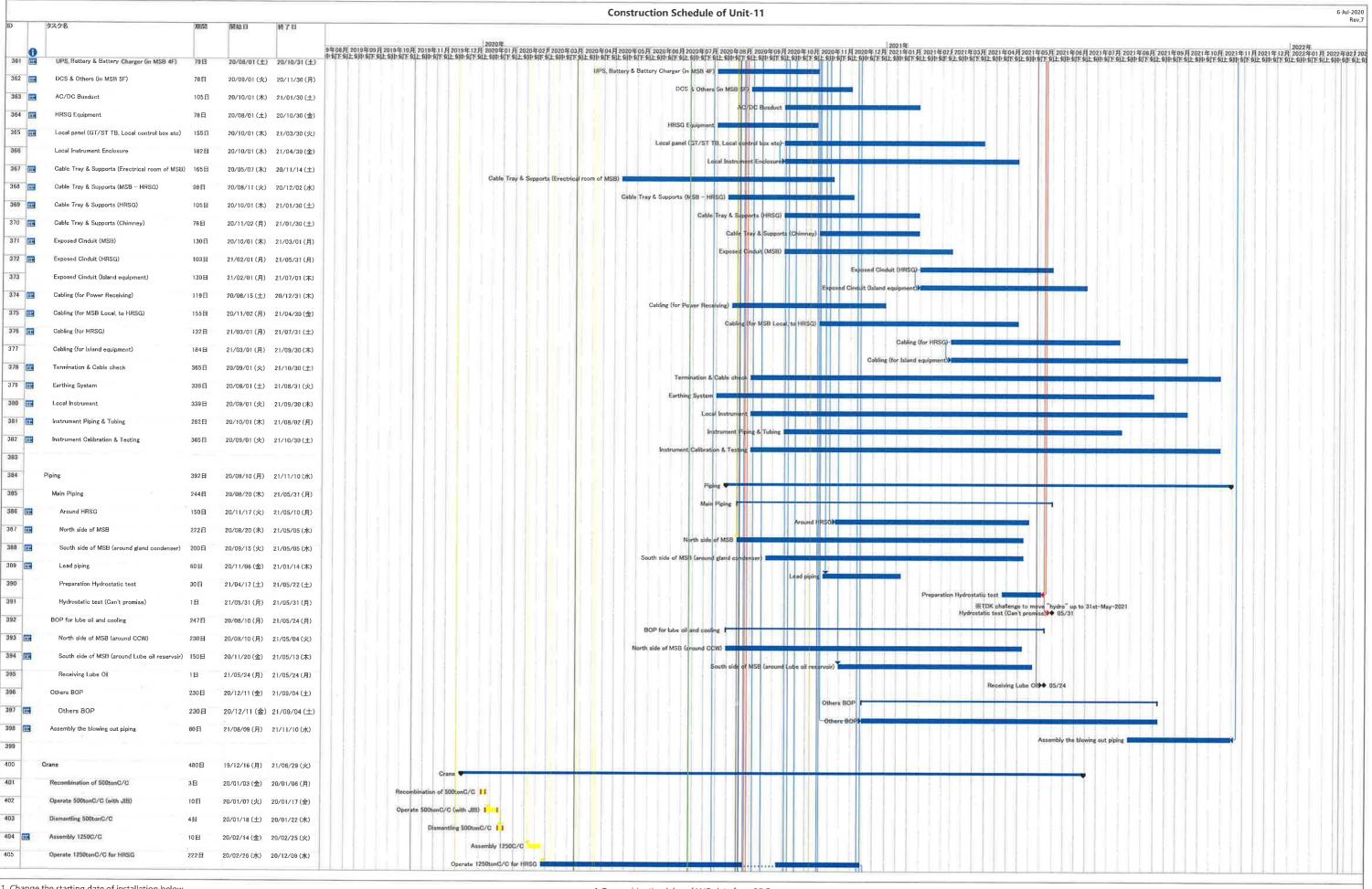


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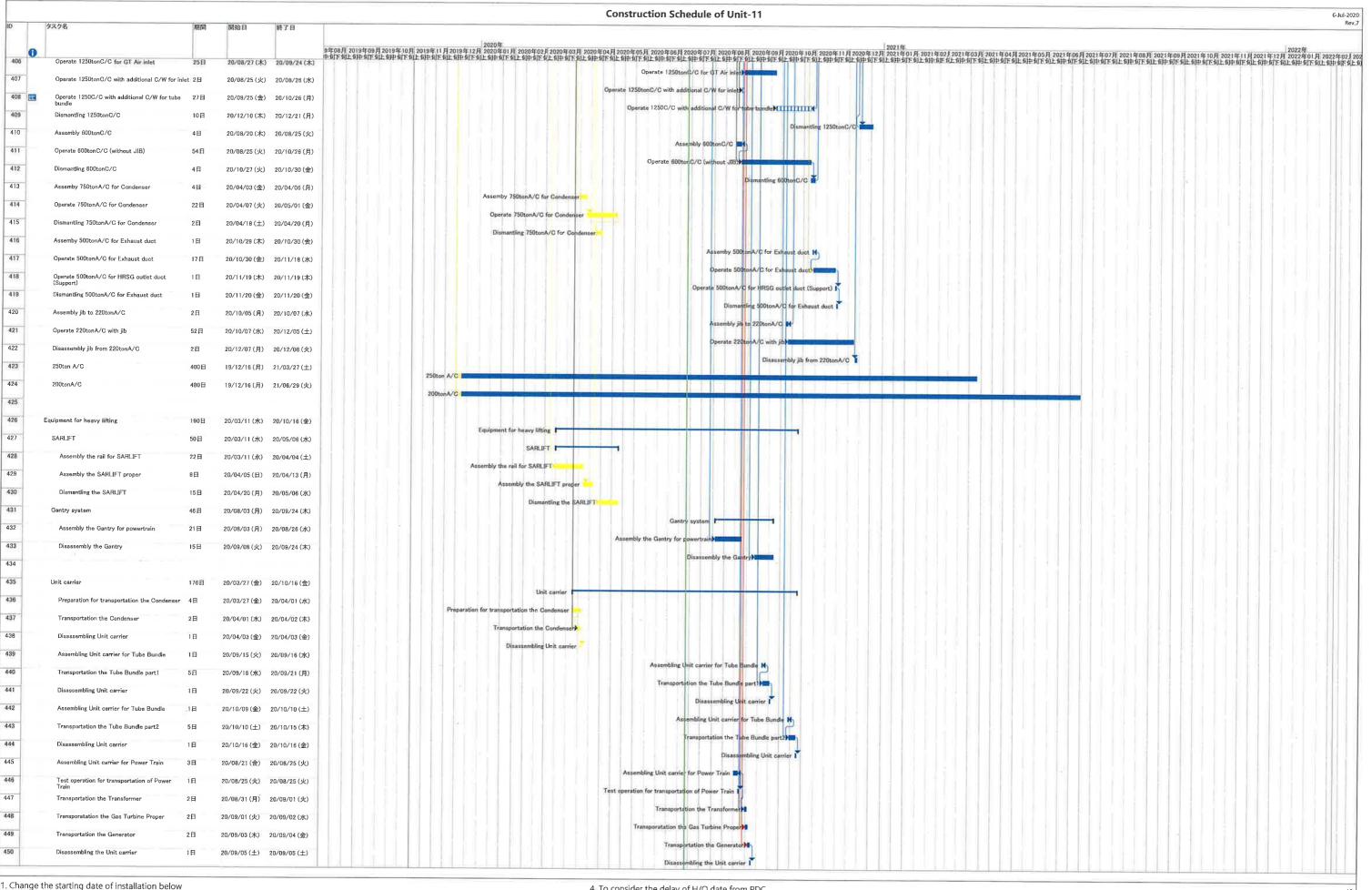


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<sup>·</sup> Installation Exhaust duct was re-started from 15st-May

<sup>2.</sup> To consider that structure of Takasago portion is delayed

## Sunley Engineering & Construction Co., Ltd.

Contract No. 18/8004 Lamma Power Station Extension Foundation Works for Unit L12

## Short Term Programme

Month			Sep-20				Oct-20			Nov-20				
Month Day	1 2 3 4 5	7 8 9 10 11 12 1	3 14 15 16 17 18 19	20 21 22 23 24 25 26	27 28 29 30 1 2	3 4 5 6 7 8 9 10 1	1 12 13 14 15 16 17 1	8 19 20 21 22 23 24 25	26 27 28 29 30 31	1 2 3 4 5 6 7	8 9 10 11 12 13 14 1	5 16 17 18 19 20 21	22 23 24 25 26 27 28 29	
Activity														
Coring works at Shunt Reactor Compound (Bored Pile)														
Full Core for BP1														
Full Core for BP3														
Coring works at L12 (Bored Pile)														
Full Core for 6 nos. Bored Pile (BP1, BP3, BP4, BPC1, BPC5 & BPC8)														
	1													
	1													
	1													
	1													
	1													

Legend: Sunday or Holiday