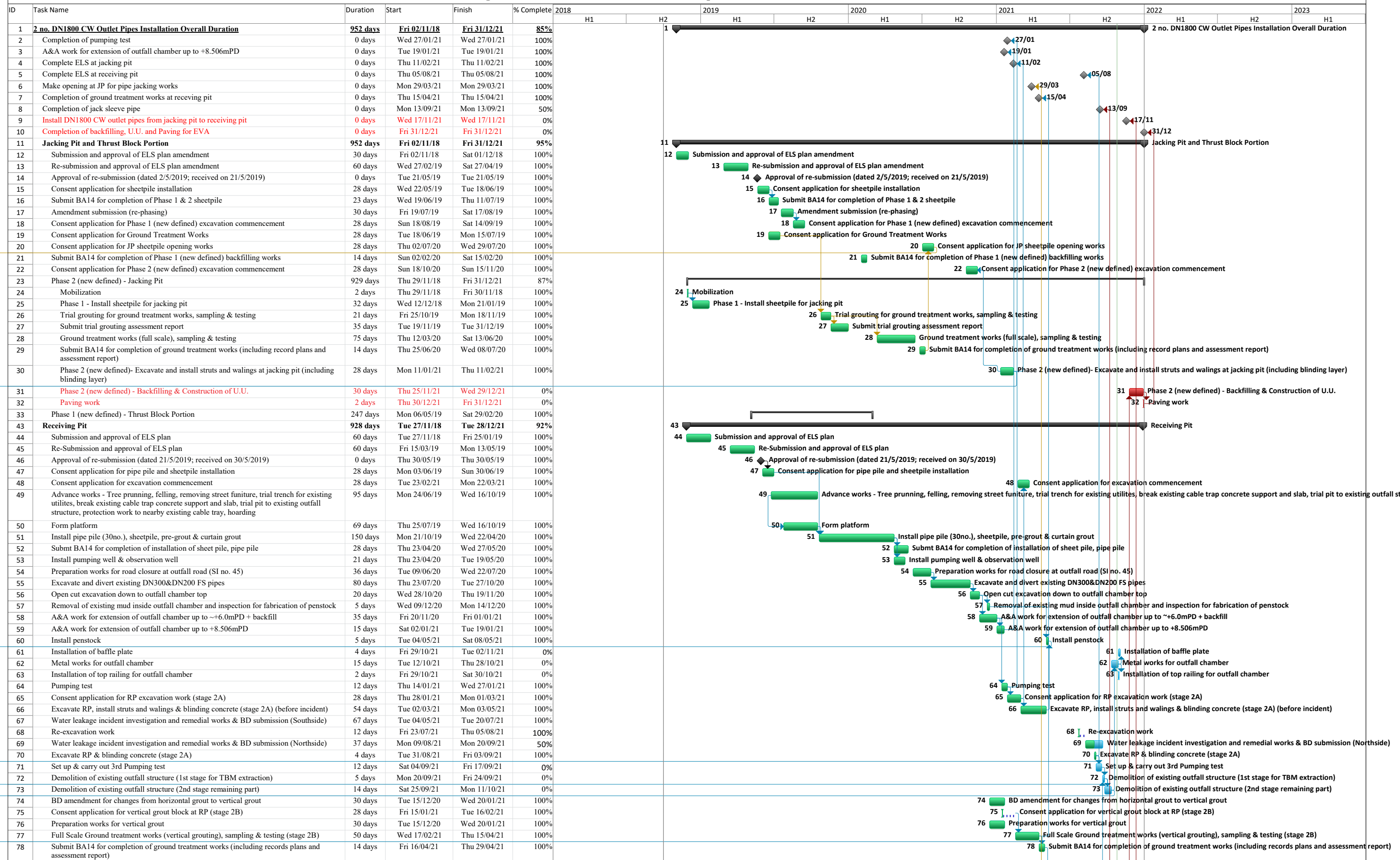
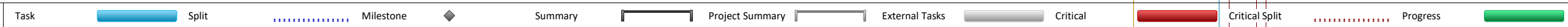


Revised Works Programme for 2no. DN1800 CW Outlet Pipes Installation - Culvert Outfall No. 4 + GRS Works

No.4 Outfall A&A+GRS (Rev.17) (26-10-2021)



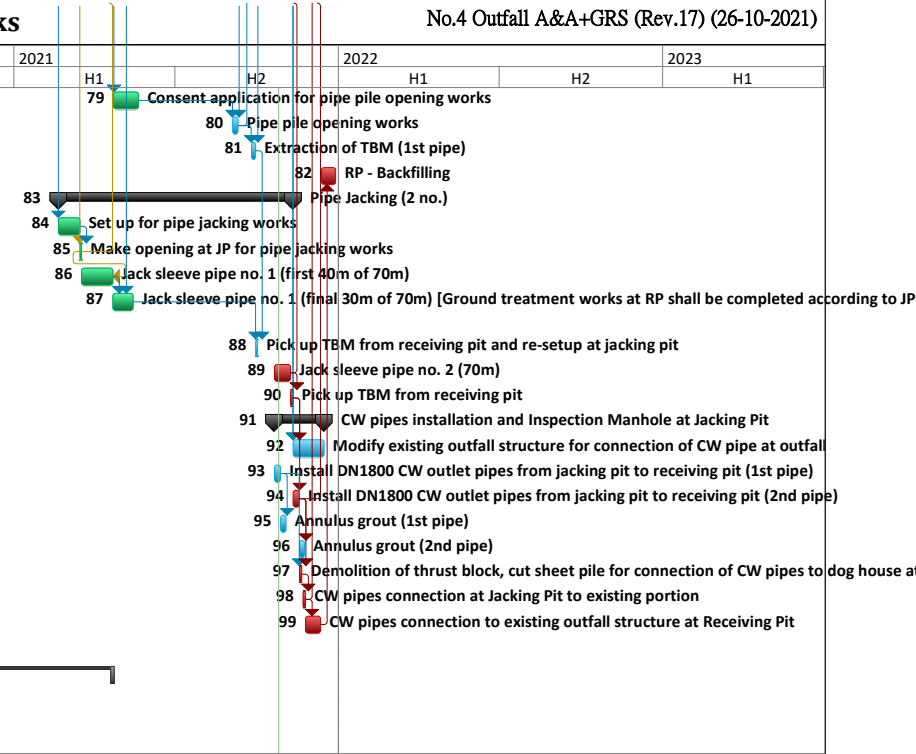
Paul Y Construction Co., Ltd.



Revised Works Programme for 2no. DN1800 CW Outlet Pipes Installation - Culvert Outfall No. 4 + GRS Works

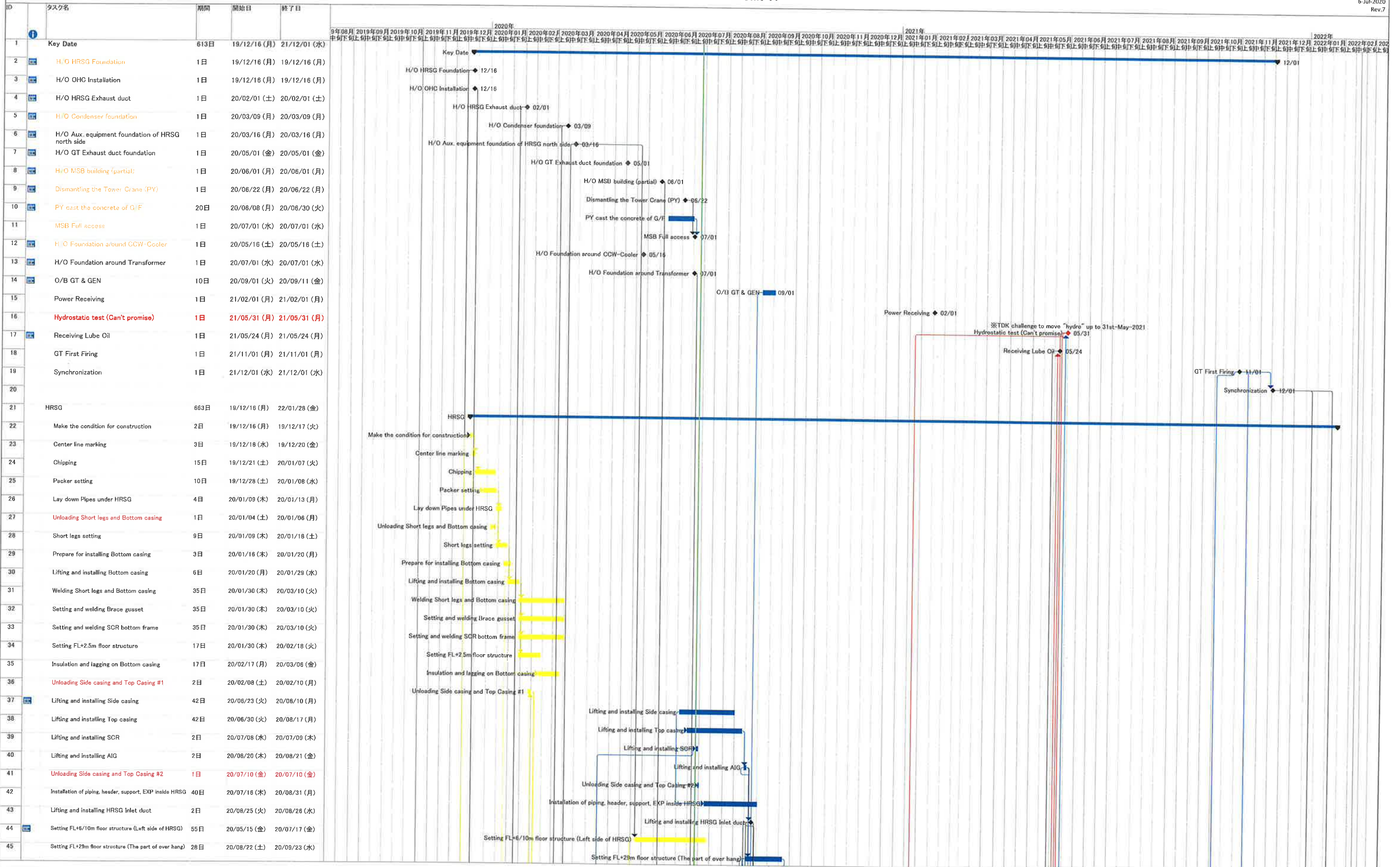
No.4 Outfall A&A+GRS (Rev.17) (26-10-2021)

ID	Task Name	Duration	Start	Finish	% Complete	2018		2019		2020		2021		2022		2023
						H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1
79	Consent application for pipe pile opening works	28 days	Fri 23/04/21	Thu 20/05/21	100%											
80	Pipe pile opening works	5 days	Sat 04/09/21	Thu 09/09/21	0%											
81	Extraction of TBM (1st pipe)	4 days	Sat 25/09/21	Wed 29/09/21	0%											
82	RP - Backfilling	14 days	Mon 13/12/21	Tue 28/12/21	0%											
83	Pipe Jacking (2 no.)	226 days	Sat 20/02/21	Wed 10/11/21	78%											
84	Set up for pipe jacking works	20 days	Sat 20/02/21	Mon 15/03/21	100%											
85	Make opening at JP for pipe jacking works	2 days	Tue 16/03/21	Wed 17/03/21	100%											
86	Jack sleeve pipe no. 1 (first 40m of 70m)	30 days	Thu 18/03/21	Wed 21/04/21	100%											
87	Jack sleeve pipe no. 1 (final 30m of 70m) [Ground treatment works at RP shall be completed according to JP approval plan.]	20 days	Thu 22/04/21	Fri 14/05/21	100%											
88	Pick up TBM from receiving pit and re-setup at jacking pit	2 days	Thu 30/09/21	Fri 01/10/21	0%											
89	Jack sleeve pipe no. 2 (70m)	15 days	Thu 21/10/21	Sun 07/11/21	0%											
90	Pick up TBM from receiving pit	3 days	Mon 08/11/21	Wed 10/11/21	0%											
91	CW pipes installation and Inspection Manhole at Jacking Pit	48 days	Thu 21/10/21	Wed 15/12/21	0%											
92	Modify existing outfall structure for connection of CW pipe at outfall	30 days	Thu 11/11/21	Wed 15/12/21	0%											
93	Install DN1800 CW outlet pipes from jacking pit to receiving pit (1st pipe)	6 days	Thu 28/10/21	Wed 03/11/21	0%											
94	Install DN1800 CW outlet pipes from jacking pit to receiving pit (2nd pipe)	6 days	Thu 11/11/21	Wed 17/11/21	0%											
95	Annulus grout (1st pipe)	5 days	Thu 04/11/21	Tue 09/11/21	0%											
96	Annulus grout (2nd pipe)	5 days	Thu 18/11/21	Tue 23/11/21	0%											
97	Demolition of thrust block, cut sheet pile for connection of CW pipes to dog house at Jacking	3 days	Thu 18/11/21	Sat 20/11/21	0%											
98	CW pipes connection at Jacking Pit to existing portion	3 days	Mon 22/11/21	Wed 24/11/21	0%											
99	CW pipes connection to existing outfall structure at Receiving Pit	15 days	Thu 25/11/21	Sat 11/12/21	0%											
100	Gas pipe support foundation and pipe trench and associated external works at Area E14	247 days	Mon 17/02/20	Sat 12/12/20	72%											
109	L12&L13 Outlet culvert(Connection to Jacking Pit) at Area E15(A) and associated external works at area E15(B)	357 days	Sat 15/02/20	Wed 21/04/21	59%											
117	Gas Receiving Station and L11 Gas Receiving Station Equipment Room(GRS) area extension at Area E16	202 days	Thu 12/03/20	Sat 14/11/20	90%											



Construction Schedule of Unit-11

6-Jul-2020
Rev.7

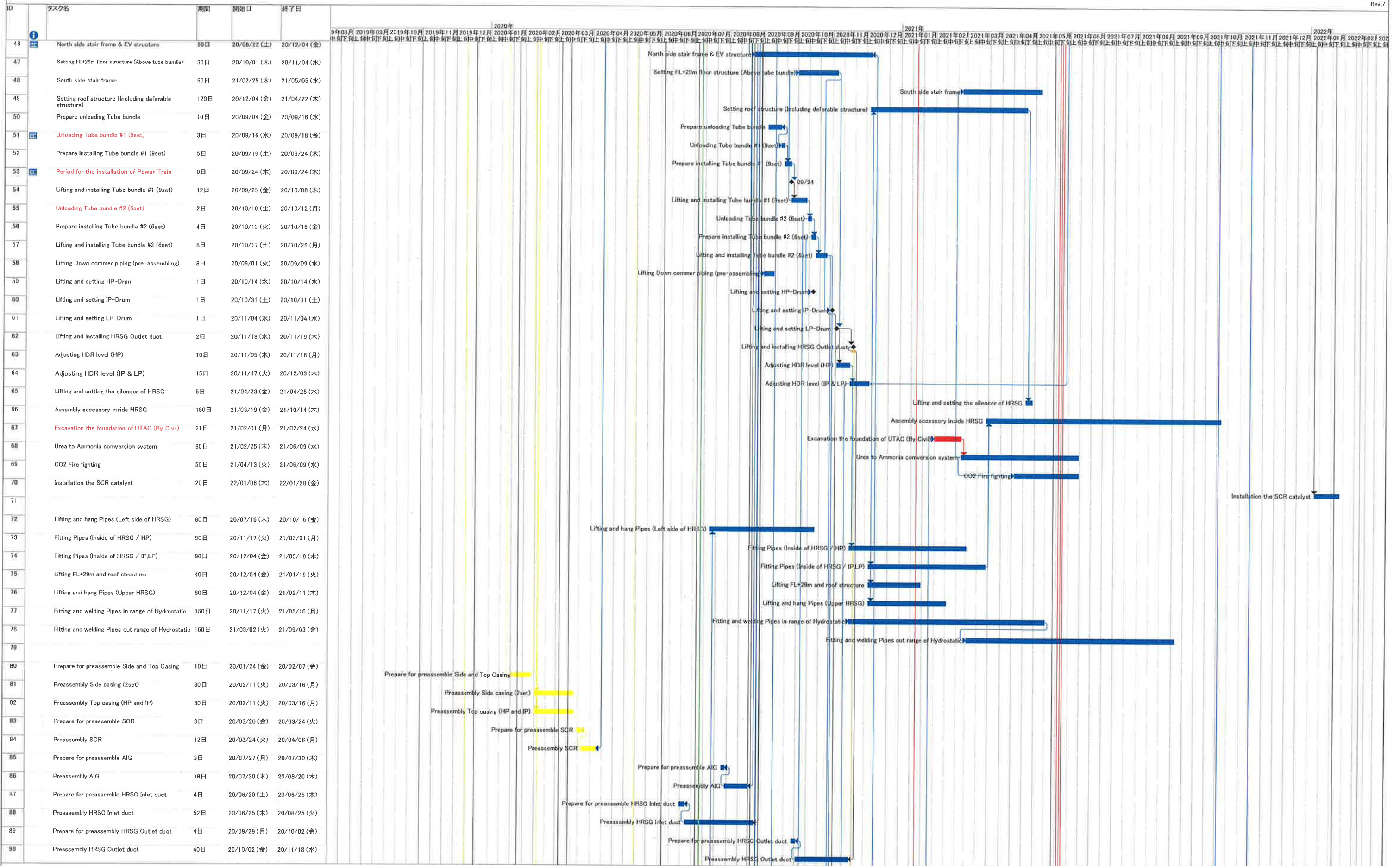


1. Change the starting date of installation below
 - ・ Installation HRSFG was re-started from 23rd-Jun
 - ・ Installation Exhaust duct was re-started from 15th-May
2. To consider that structure of Takasago portion is delayed

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

Construction Schedule of Unit-11

6-Jul-2020
Rev.7

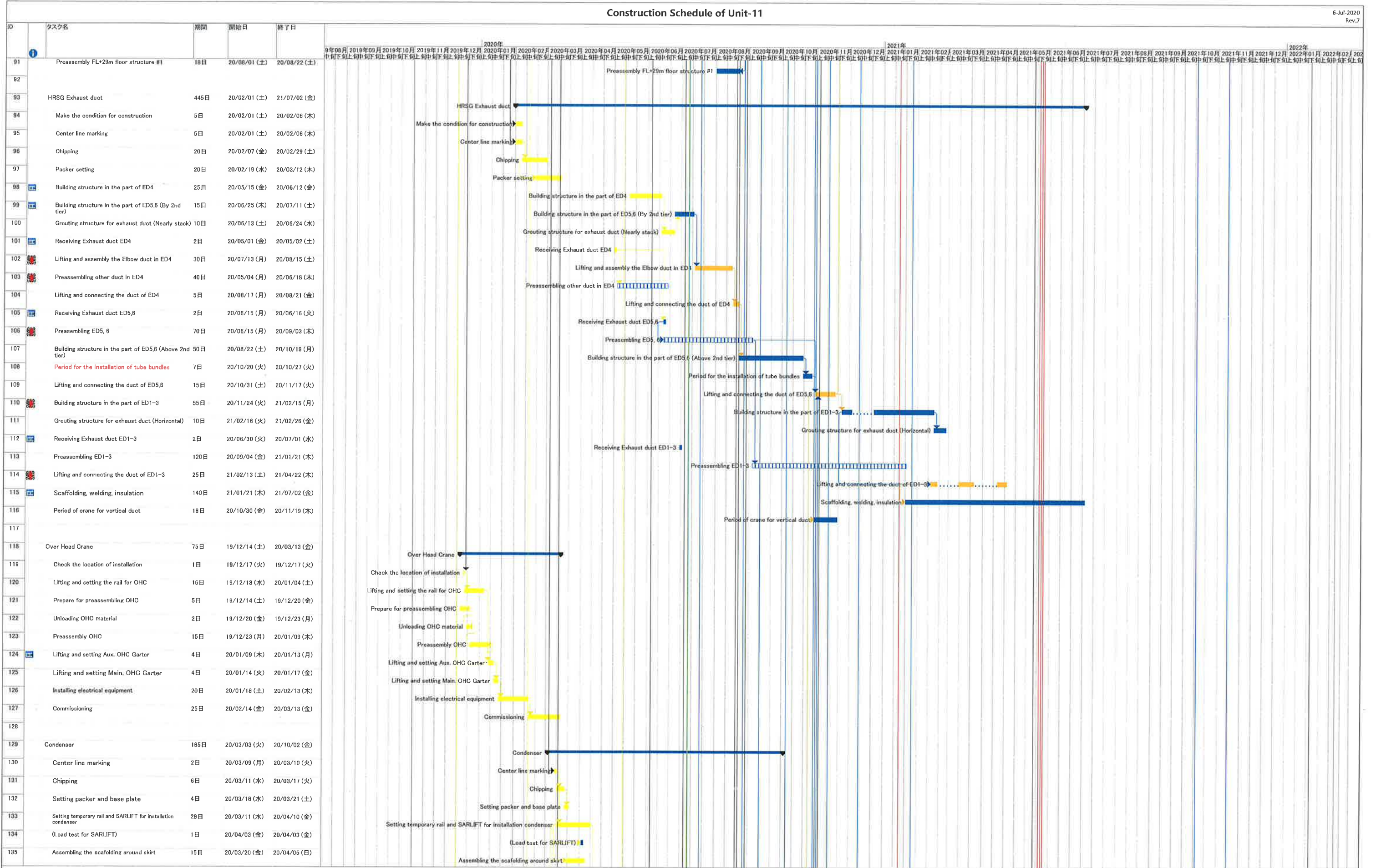


1. Change the starting date of installation below
 - ・ Installation HRSG was re-started from 23rd-Jun
 - ・ Installation Exhaust duct was re-started from 15st-May
2. To consider that structure of Takasago portion is delayed

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

Construction Schedule of Unit-11

6-Jul-2020
Rev.7

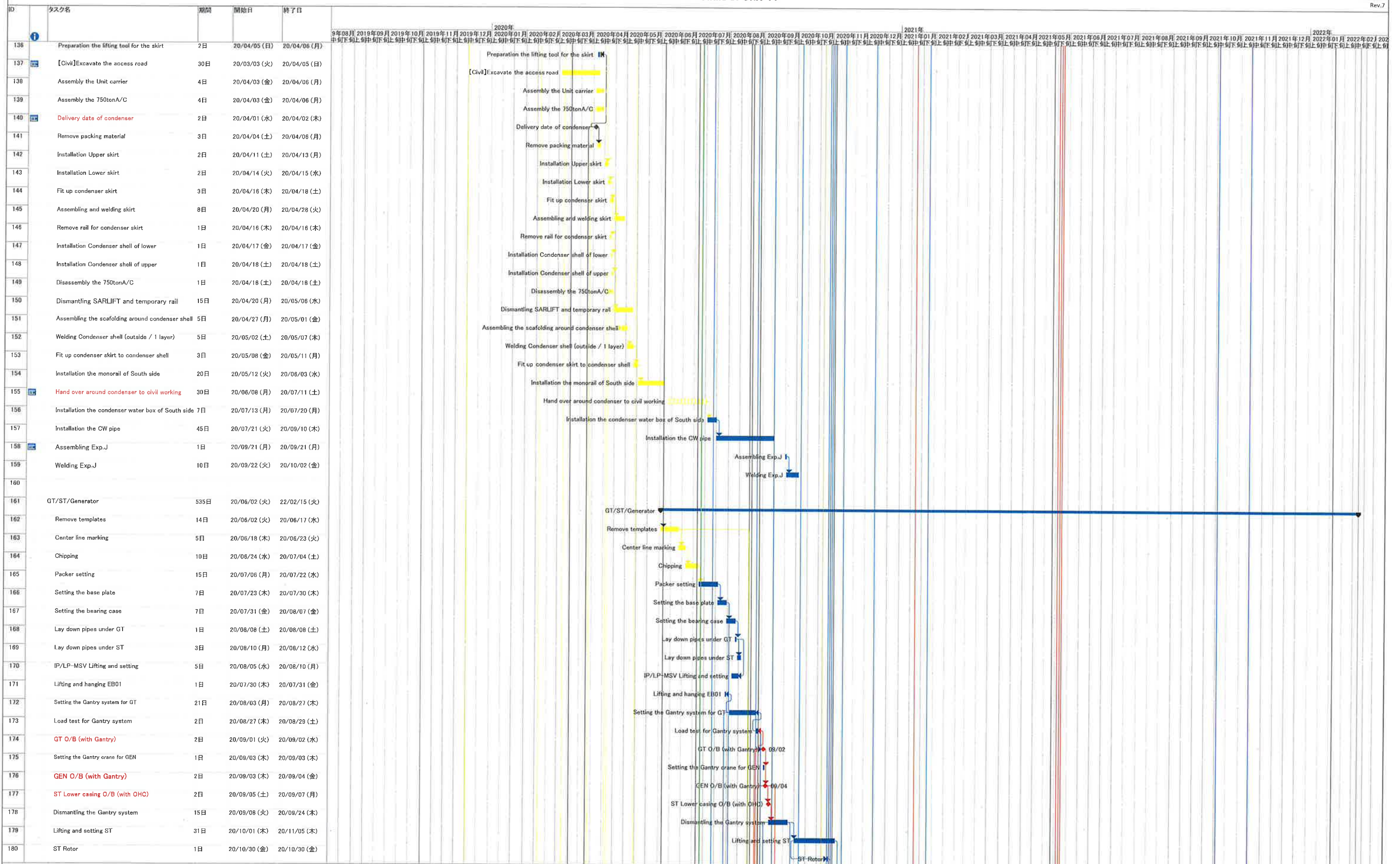


1. Change the starting date of installation below
 - ・ Installation HRSG was re-started from 23rd-Jun
 - ・ Installation Exhaust duct was re-started from 15st-May
2. To consider that structure of Takasago portion is delayed

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

Construction Schedule of Unit-11

6-Jul-2020
Rev.7

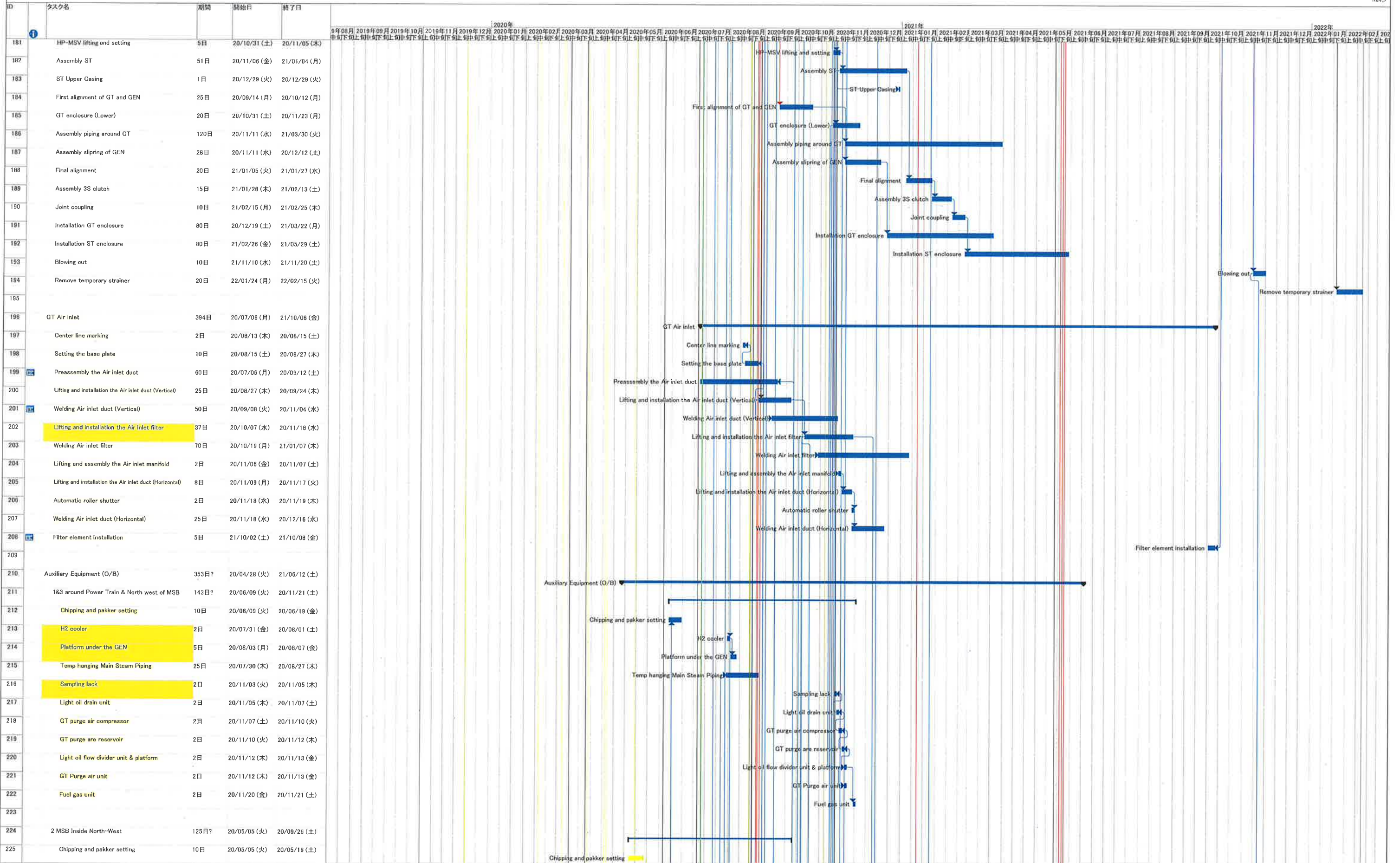


1. Change the starting date of installation below
 - ・ Installation HRSG was re-started from 23rd-Jun
 - ・ Installation Exhaust duct was re-started from 15st-May
2. To consider that structure of Takasago portion is delayed

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

Construction Schedule of Unit-11

6-Jul-2020
Rev.7

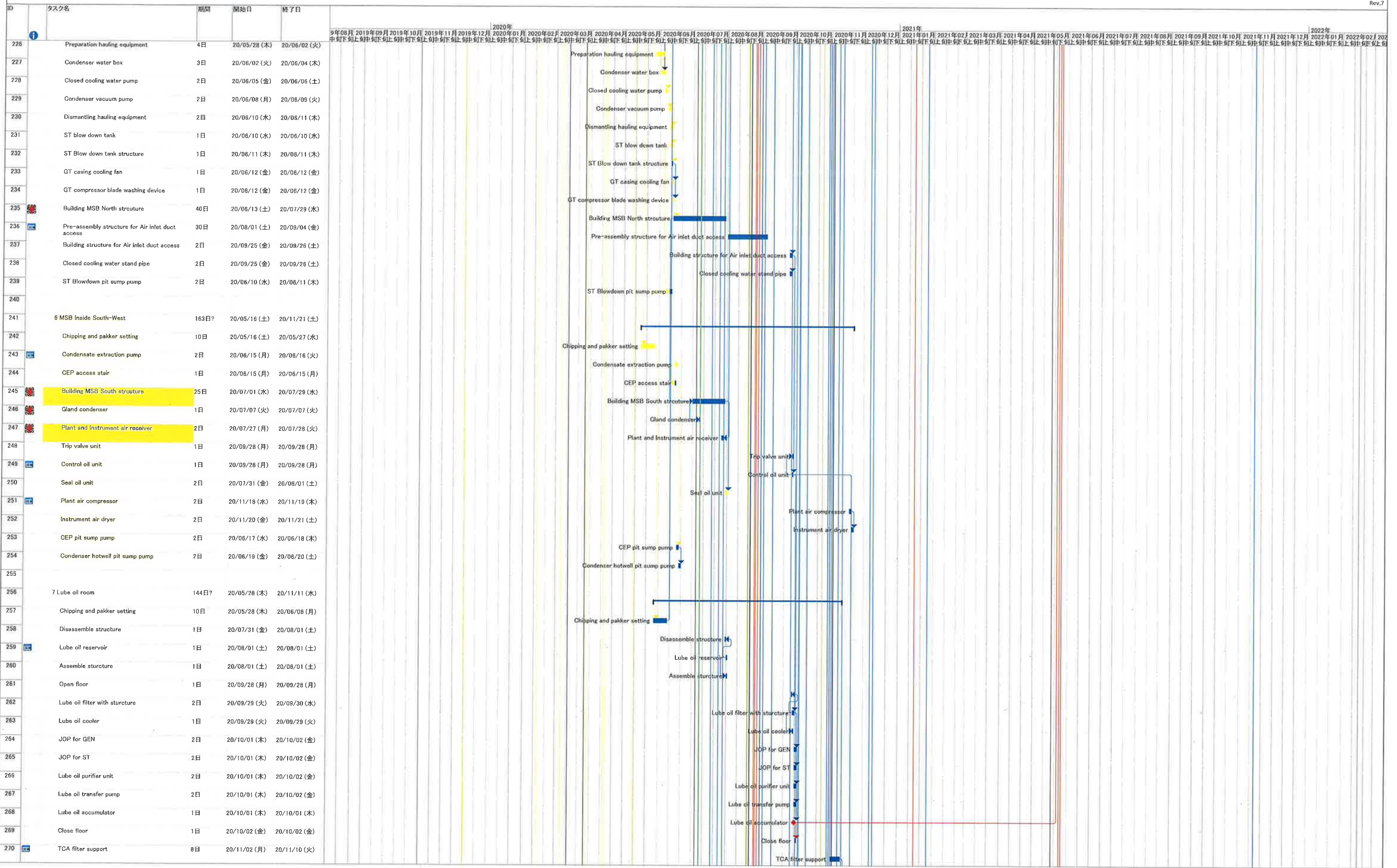


1. Change the starting date of installation below
 - ・ Installation HRSG was re-started from 23rd-Jun
 - ・ Installation Exhaust duct was re-started from 15st-May
2. To consider that structure of Takasago portion is delayed

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

Construction Schedule of Unit-11

6-Jul-2020 Rev.7

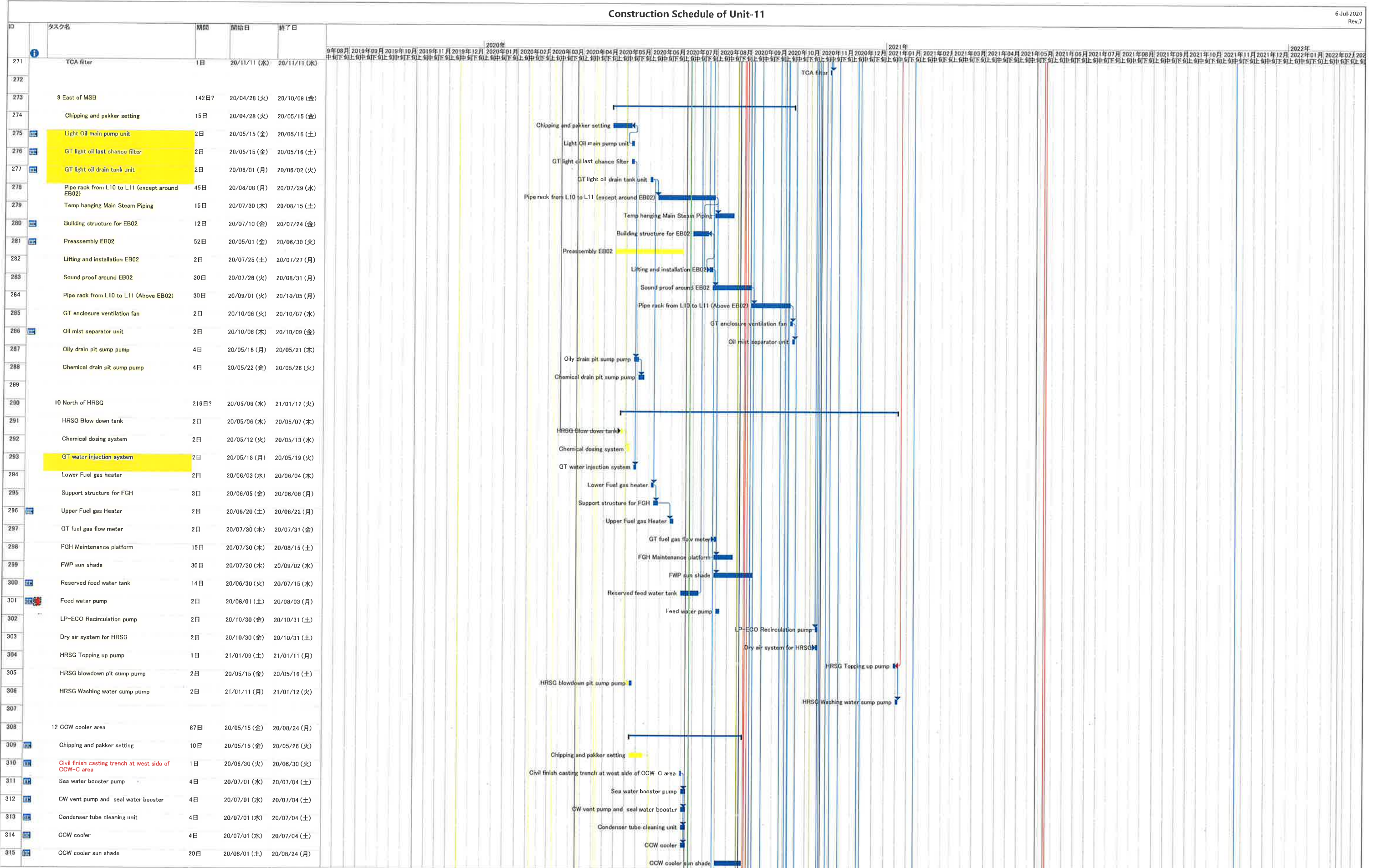


1. Change the starting date of installation below
 - ・ Installation HRSG was re-started from 23rd-Jun
 - ・ Installation Exhaust duct was re-started from 15th-May
2. To consider that structure of Takasago portion is delayed

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

Construction Schedule of Unit-11

6-Jul-2020
Rev.7

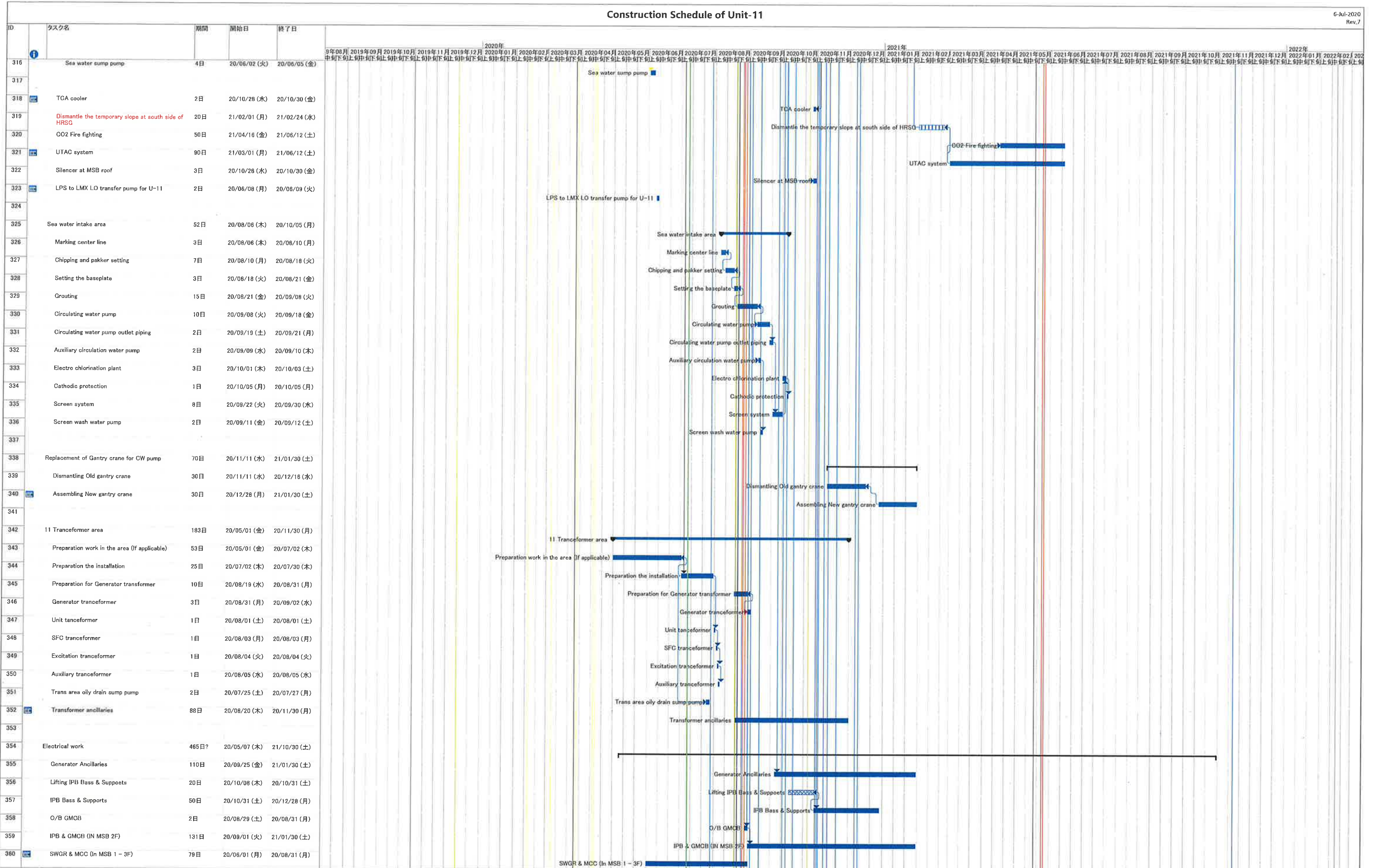


1. Change the starting date of installation below
 - ・ Installation HRSG was re-started from 23rd-Jun
 - ・ Installation Exhaust duct was re-started from 15st-May
2. To consider that structure of Takasago portion is delayed

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

Construction Schedule of Unit-11

6-Jul-2020
Rev.7

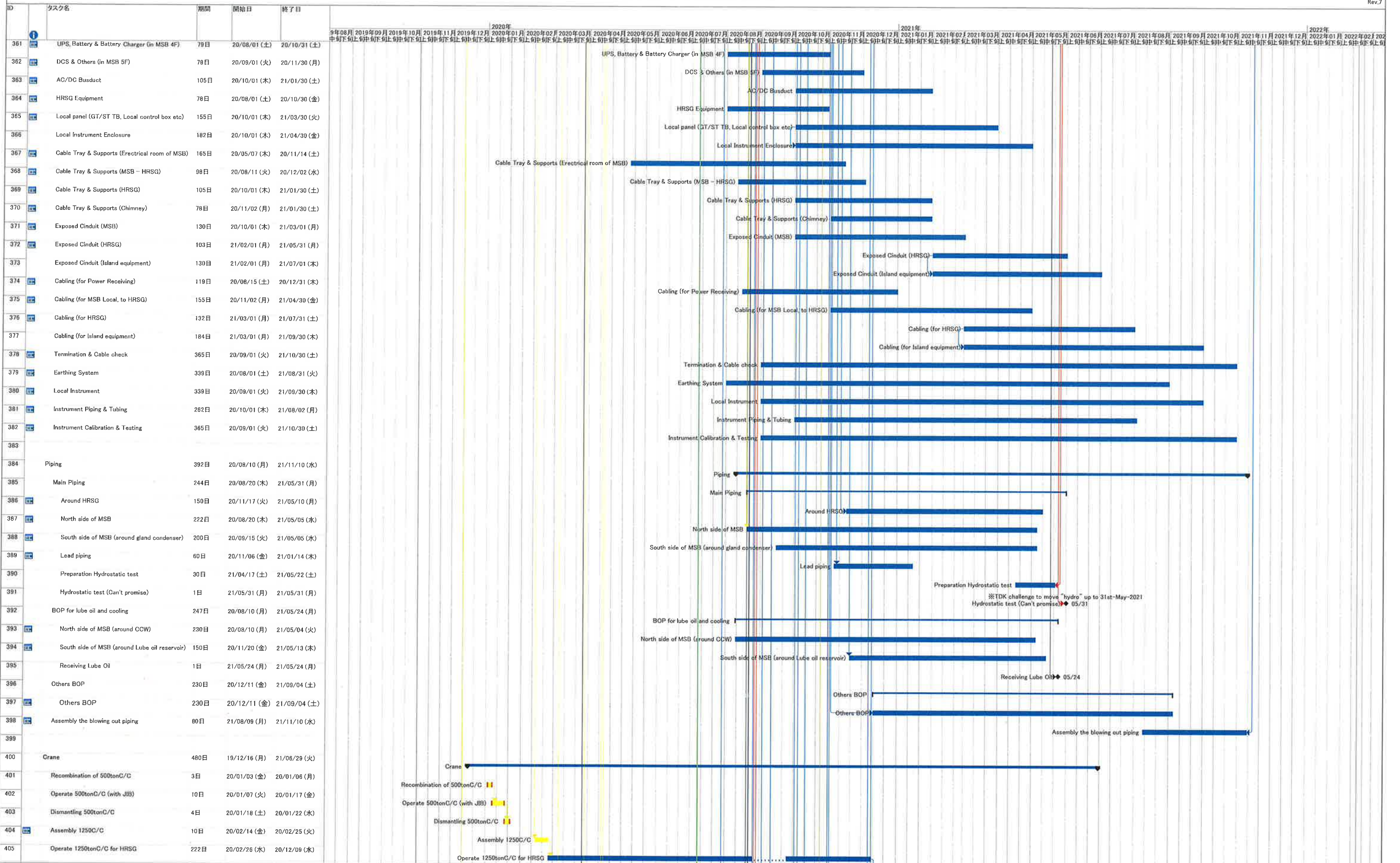


1. Change the starting date of installation below
 ・ Installation HRSG was re-started from 23rd-Jun
 ・ Installation Exhaust duct was re-started from 15st-May
 2. To consider that structure of Takasago portion is delayed

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

Construction Schedule of Unit-11

6-Jul-2020
Rev.7

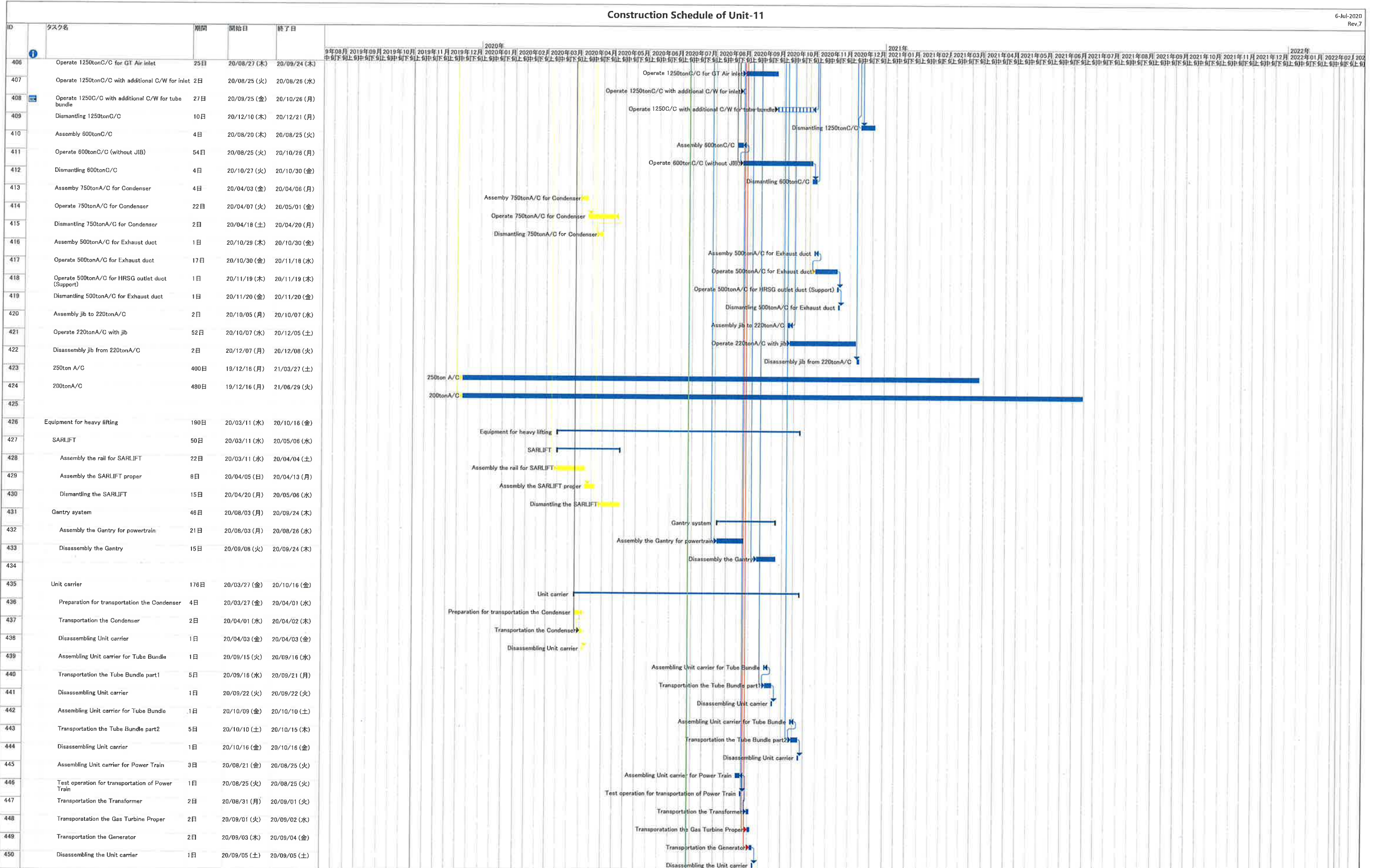


1. Change the starting date of installation below
 - ・ Installation HRSG was re-started from 23rd-Jun
 - ・ Installation Exhaust duct was re-started from 15th-May
2. To consider that structure of Takasago portion is delayed

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

Construction Schedule of Unit-11

6-Jul-2020
Rev.7



1. Change the starting date of installation below
 - ・ 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

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

Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit M2 Master Programme

ID	Task Name	Duration	Start	2022		
				May	Jun	Jul
KEY DATES & MILESTONES						
1	Contract Period	1123 days	Fri 4/12/20			
2	Deferred Work Completion Key Dates	784 days	Mon 8/11/21			
3	Substantial Completion of the Whole Contract Works (1123 Days)	0 days	Sun 31/12/23			
4						
SITE POSSESSION DATES						
5		513 days	Fri 4/12/20			
6	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Fri 4/12/20			
7	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Fri 1/1/21			
8	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Sat 1/5/21			
9	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Fri 1/10/21			
10	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Fri 1/4/22			Date as phased site possession plan and PS1.4.2
11	Site Possession Date as phased site possession plan and PS1.4.2	0 days	Sun 1/5/22			Site Possession Date as phased site possession plan and PS1.4.2
COMPLETION DATES as per PS1.4.2 Time for Completion						
12		537 days	Thu 30/9/21			
13	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			
14	Section A1 (ii) - Supporting structures for overhead cranes of L12 MSB including the associated roof structure except the roof deferred works	0 days	Mon 1/11/21			
15	Section A2 (i) External Works including CW Inlet Culvert at Area F8A	0 days	Mon 10/1/22			
16	Section A2 (ii) External Works including CW Intet Culvert at Area F8B	0 days	Thu 31/3/22			External Works including CW Intet Culvert at Area F8B
17	Section A2 (iii) External Works including CW Inlet Culvert at Area F8C	0 days	Fri 11/3/22			External Works including CW Inlet Culvert at Area F8C
18	Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road at Area F3	0 days	Wed 15/12/21			
19	Section B2 (i) - Southern Part of L12 HRSG areas and its surrounding refer to Area F6B as shown in drawing no 553/03/2040 including the foundations for Gas Exhaust Duct	0 days	Thu 30/9/21			
20	Section B2 (ii) - Remaining northern part of L12 HRSG area and its surrounding at Area F6A and F6C	0 days	Mon 15/11/21			
21	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	0 days	Mon 28/2/22			Foundation including the L12 MSB ground floor together with
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 installation of condenser	0 days	Wed 15/12/21			
23	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			
24	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	Thu 31/3/22			Whole of L12 MSB including the pipe and cable rack along s
25	Section C - (iii) Link Bridge between L11 and L12 MSB including their associated A&A at L11 MSB	0 days	Sun 10/4/22			(iii) Link Bridge between L11 and L12 MSB including their
26	Section D - (i) Microwave Antenna Room and Chimney Windshiled for the installation of microwave equipment and antenna	0 days	Fri 10/6/22			Section D - (i) Microwave Ant
27	Section D (ii) - No. 5 Chimney with L12 Steel Flue liner	0 days	Tue 21/3/23			
28	Section E (i) Tx Room of Administration and Control Building	0 days	Sun 31/10/21			
29	Section E (ii) - G/F, 1/F, 2/F & Hoisting Well of Admin. & Control Building	0 days	Mon 28/2/22			Well of Admin. & Control Building
30	Section E (iii) - Whole of Admin. And Control Building	0 days	Tue 31/5/22			Section E (iii) - Whole of Admin. And
31	Section F (i) - Gas Receiving Station and L12 Gas Receiving Station Equipment Room (GRS) Area Extension at Area F14	0 days	Wed 30/11/22			
32	Section F (ii) - Pipe and Cable rack and external work at Area F9A and F9B	0 days	Tue 31/5/22			Section F (ii) - Pipe and Cable rack an
33	Section F (iii) - No. 5 CW Equipment Room, pipe and cable rack, external works at Area F10	0 days	Wed 31/8/22			
34	Section G (i) - External Work surrounding Area F11	0 days	Wed 26/10/22			
35	Section G (ii) - External Works at Area F12 & F13	0 days	Fri 30/9/22			
36	Section G (iii) - FS Modification works along South Seafont Road at Area F15	0 days	Fri 30/9/22			
37	Section G (iv) - 275kV cable trenches and External Works at Area F16	0 days	Fri 30/9/22			
38	Section G (v) - Shunt Reactor Compound and External Works at Area F17	0 days	Fri 30/9/22			
39	Section G (vi) - 275kV cable trenches and External Works at Area F18	0 days	Wed 1/6/22			Section G (vi) - 275kV cable trench
40	Section G (vii) - Flood Wall at No. 4 CW Intake Area along HUA at Area F20A	0 days	Sun 8/5/22			Section G (vii) - Flood Wall at No. 4 CW Intake Area
41	Section G (viii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20B	0 days	Fri 30/9/22			
42	Section G (ix) - Bund wall modification works at South Seafont Road at Area F21	0 days	Fri 15/10/21			
43	Section G (x) - DAX Cable Diversion Works (from Part I to Part IV)	0 days	Sat 31/12/22			
44	Section H - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	0 days	Tue 28/2/23			
GENERAL & PRELIMINARY						
45	First Mobilization	18 days	Fri 4/12/20			
46	Set up Temporary Site Office and Welfare Facilities	90 days	Tue 22/12/20			
47	Permit Applications & Statuary Submissions	120 days	Mon 22/3/21			
48	Existing Utilities scanning & Excavation Permit	45 days	Tue 22/12/20			
49	Tower Crane erections	60 days	Sun 27/12/20			
50						
TECHNICAL SUBMISSION AND APPROVAL						
51		314 days	Thu 10/12/20			
52	BD Approval & Consent (if required)	0 days	Thu 10/12/20			
53	Submission and Approval of Master Programme	14 days	Fri 11/12/20			
54	Work Execution Overall Plan submission & approval	14 days	Fri 11/12/20			
55	Material Submissions and approval	300 days	Fri 25/12/20			
56	Method Statement submission and approval	300 days	Fri 25/12/20			
57	BIM Model, CSD & CBWD Submission & approval	120 days	Fri 25/12/20			
58	Structure Steelwork Connection Design Submission & BD approval	45 days	Tue 29/12/20			
59	Structure Steelwork Shop Drawing & Approval	30 days	Fri 12/2/21			
60	Metal Cladding, louvre & windows submission & BD approval	45 days	Tue 29/12/20			
61	Metal Cladding, louvre & windows shop drawing submission	45 days	Fri 12/2/21			
62	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	120 days	Mon 29/3/21			
63	ELS Submission and BD approval	90 days	Fri 11/12/20			
64	No. 5 Chimney windshield temporary work submission, approval & fabrication	60 days	Fri 11/12/20			
65	Steel Flue Assessment Report and Design Drawings submission & approval	60 days	Tue 9/2/21			
66	Folding Shutters Shop Drawing Submission & Approval	30 days	Thu 11/2/21			
67	Fabrication & Delivery of Folding Shutters	180 days	Sat 13/3/21			
68	Sewage Pump System Design submission & approval	45 days	Tue 23/2/21			
69	Fabrication & Delivery of Sewage Pump	180 days	Fri 9/4/21			
70	Other material submission & approval & delivery	180 days	Sat 24/4/21			
71	Other material submission & approval & delivery	180 days	Sat 24/4/21			
72						
CONSTRUCTION						
73		1123 days	Fri 4/12/20			
Coordination with the Employer's Specialist Contractors						
74	Installation of Puddle Pipes at C.W. outlet Culvert	7 days	Mon 22/3/21			
75	Installation of Puddle Pipes at C.W. Inlet Culvert	7 days	Thu 27/5/21			
76	Template setting at L12 Turbo Block Foundation	45 days	Tue 16/11/21			
77	Template setting of holding down bolts at HRSG column base	45 days	Fri 15/1/21			
78	I-beam / channel base installation on top of transformer foundations at Transformer Area	45 days	Tue 1/6/21			
79	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	38 days	Mon 1/11/21			
80	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 1/F between GL 12-B to 12-C	122 days	Thu 16/12/21			Condenser assembly and erection using access through a tempor
81	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 including a clear space below 1/F of the above area	121 days	Fri 1/4/22			
82	Installation of embedded materials such as holding down bolts for equipment foundations - Commencement	0 days	Thu 15/4/21			
83						
Section A1 (i) - Area south of L12 MSB and L12 HRSG from GL12-F eastwards leading to Chimney Road at Area F1 & F2						
84	Area Possession & Clearance	30 days	Fri 4/12/20			
85	Subletting / Fabrication / Delivery (both for Area F1 and Area F2)	60 days	Sun 17/1/21			
86	Excavation for CW Inlet Culvert (Type D Construction Area)	14 days	Tue 1/6/21			



Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit M2 Master Programme

ID	Task Name	Duration	Start	2022		
				May	Jun	Jul
87	Installation CW Inlet Culvert pipe	70 days	Tue 15/6/21			
88	Backfill	7 days	Tue 24/8/21			
89	Construction UG Utilities 2m deep below further surface	21 days	Tue 31/8/21			
90	Temporary Paving and handover for plant erection	3 days	Tue 28/9/21			
91	Section A1 (ii) - Supporting structures for overhead cranes of L12 MSB including the associated roof structure except the roof deferred workss	333 days	Fri 4/12/20			
92	Area Possession & Clearance	45 days	Fri 4/12/20			
93	Subletting / Fabrication / Delivery	210 days	Tue 23/2/21			
94	Complete structural steel erection	0 days	Tue 19/10/21			
95	Install Crane Girders	11 days	Tue 12/10/21			
96	Construction of roof slab (except defer work)	14 days	Tue 12/10/21			
97	Touch up and handover for install overhead cranes	3 days	Sat 30/10/21			
98	Section A2 (i) External Works including CW Inlet Culvert at Area F8A	403 days	Fri 4/12/20			
99	BD consent for Sheetpile installation	30 days	Fri 4/12/20			
100	Subletting / Fabrication / Delivery (both for Area F8A-F8B)	30 days	Fri 18/12/20			
101	Area Possession & Clearance	14 days	Sat 2/1/21			
102	Install Sheet pile	55 days	Sat 16/1/21			
103	Installation of Additional sheet Pile at South of area F8A	7 days	Sat 17/4/21			
104	BD Consent for ELS	28 days	Sat 24/4/21			
105	ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021)	100 days	Fri 16/7/21			
106	Construction of Thrust Box & Manholes,etc	15 days	Thu 16/9/21			
107	Backfill, UG Utilities and Road Paving	79 days	Sun 24/10/21			
108	Section A2 (ii) External Works including CW Inlet Culvert at Area F8B	483 days	Fri 4/12/20			
109	Area Possession & Clearance	30 days	Mon 1/3/21			
110	BD consent for Sheetpile installation	30 days	Fri 4/12/20			
111	Install Sheet pile	90 days	Fri 2/4/21			
112	BD Consent for ELS	28 days	Thu 1/7/21			
113	ELS and install CW Inlet Pipe	100 days	Thu 29/7/21			
114	Construction of Thrust Box & Manholes,etc	15 days	Wed 1/9/21			
115	Backfill, UG Utilities and Road Paving	146 days	Sat 6/11/21			
116	Section A2 (iii) External Works including CW Inlet Culvert at Area F8C	365 days	Fri 12/3/21			
117	Area Possession & Clearance	30 days	Fri 12/3/21			
118	Subletting / Fabrication / Delivery (for Area F8C)	60 days	Fri 12/3/21			
119	BD consent for Sheetpile installation	30 days	Tue 13/4/21			
120	Install Sheet pile	62 days	Thu 13/5/21			
121	BD Consent for ELS	35 days	Wed 14/7/21			
122	ELS and install CW Inlet Pipe (including soil nail installation under 19/83014)	76 days	Wed 18/8/21			
123	Construction of Thrust Box & Manholes,etc	30 days	Fri 21/1/22			
124	Backfill, UG Utilities and Road Paving	20 days	Sun 20/2/22			
125	Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road at Area F3	377 days	Fri 4/12/20			
126	Area Possession & Clearance	30 days	Fri 4/12/20			
127	Subletting / Fabrication / Delivery	120 days	Fri 25/12/20			
128	Complete CW Pipe Installation & Thrust box	45 days	Tue 25/5/21			
129	Backfill	30 days	Fri 9/7/21			
130	Construction of Storm Drain & Manholes	67 days	Mon 20/9/21			
131	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 including the foundations for Gas Exhaust Duct	273 days	Fri 1/1/21			
133	Area Possession & Clearance	30 days	Fri 1/1/21			
134	Subletting / Fabrication / Delivery (for F6B Civil and E&M)	120 days	Sat 2/1/21			
135	Construction of Underground pits	35 days	Tue 8/6/21			
136	Excavation & Construct Pile Caps & Tie Beams & Piers	86 days	Mon 8/3/21			
137	Installation of Pipe Pile for HRSG foundation (VO)	48 days	Thu 25/3/21			
138	Construction HRSG & Gas Duct foundations	112 days	Fri 7/5/21			
139	Construction of HRSG Equipment Room incl. ABWF & BS (except T&C)	64 days	Tue 4/5/21			
140	Construction underground utilities within HRSG	55 days	Mon 19/7/21			
141	Backfill & Construction on-grade slabs & RC plinths on top	14 days	Fri 30/7/21			
142	Backfill and Temporary paving	21 days	Fri 10/9/21			
143	Section B2 (ii) - Remaining northern part of L12 HRSG area and its surrounding at Area F6A and F6C	319 days	Fri 1/1/21			
144	Area Possession and Clearance at Area F6A	30 days	Fri 1/1/21			
145	Subletting / Fabrication / Delivery (for Area F6A and F6C civil)	90 days	Sat 2/1/21			
146	Construction of Underground pits (HRSG Blowdown sump pit)	110 days	Sat 2/1/21			
147	Excavation & Construct Pile Caps & Tie Beams & Piers	139 days	Mon 1/2/21			
148	Construction underground utilities within HRSG	55 days	Mon 19/7/21			
149	Construction of Underground pits (GT Oil & Chemical drain pits)	15 days	Thu 5/8/21			
150	Backfill & Construction on-grade slabs & RC plinths on top	45 days	Sun 12/9/21			
151	Construct RC Walls	90 days	Thu 22/4/21			
152	Construction of Underground utilities at F6C	21 days	Tue 19/10/21			
153	Backfill and Temporary paving	7 days	Tue 9/11/21			
154	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	452 days	Fri 4/12/20			
155	Area Possession & Clearance	45 days	Fri 4/12/20			
156	Subletting / Fabrication / Delivery (Civil+ABWF+BS for MSBL12)	150 days	Fri 25/12/20			
157	Complete excavation at Type A&C Construction Area	0 days	Sun 21/3/21			
158	Excavation & Pile Caps & Tie Beams + Slabs (Turbo Block North)	75 days	Sun 31/1/21			
159	Backfill and construction turbine block & equipment foundation	85 days	Tue 1/6/21			
160	Excavation & Pile Caps & Tie Beams + Slabs (Turbo Block South)	45 days	Sat 17/4/21			
161	Construction of internal drainage & on-grade slab	90 days	Wed 1/9/21			
162	Construction turbine block columns and upper portion for plant embed installation	83 days	Wed 25/8/21			
163	Concrete Turbine upper part foundation	15 days	Fri 31/12/21			
164	Construction of Lube Oil Room	14 days	Tue 30/11/21			
165	Concrete RC walls	115 days	Tue 7/9/21			
166	ABFW Works	60 days	Thu 4/11/21			
167	Building Services Works	45 days	Sat 15/1/22			
168	Remove temporary falsework and scaffolding for installation of power generator	13 days	Mon 7/2/22			
169	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 installation of condenser	377 days	Fri 4/12/20			
170	Area Possession & Clearance	45 days	Fri 4/12/20			
171	Subletting / Fabrication / Delivery (for MSB L12 civil)	150 days	Fri 25/12/20			
172	Excavation to foundation level at ELS SP Type A & C	80 days	Fri 1/1/21			
173	Install CW Outlet pipe	85 days	Mon 22/3/21			
174	Construction of CW Outlet Box + lowest tie beam & caps	40 days	Mon 22/3/21			
175	Construction of pile caps & tie beams & sump pits up to +2.7mPD	26 days	Sat 1/5/21			
176	Backfill & Construction of CW Inlet Box + tie beams	71 days	Thu 27/5/21			
177	Construction of pile caps & tie beams at SunShadeCover Area	45 days	Tue 15/6/21			
178	Backfill and Construction ground beams & trenches	28 days	Thu 27/5/21			
179	Construction of indoor underground drainage	14 days	Fri 13/8/21			
180	Backfill & construction on-grade slabs	60 days	Sun 1/8/21			
181	Construction Column casting and RC walls & equipment foundations	50 days	Thu 30/9/21			

as and Road Paving

Paving

ng for installation of power generator



Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit M2 Master Programme

ID	Task Name	Duration	Start	2022			
				May	Jun	Jul	Aug
182	ABFW Works	15 days	Fri 19/11/21				
183	Building Services Works	20 days	Fri 26/11/21				
184	Mis. Works and Ready for condenser move in	25 days	Wed 17/11/21				
185	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	408 days	Fri 4/12/20				
186	Area Possession & Clearance	30 days	Fri 4/12/20				
187	Subletting / Fabrication / Delivery	210 days	Fri 25/12/20				
188	Complete substructure & Steel Erection works for MSB	0 days	Tue 17/8/21				
189	Construction all utilities deeper than 2m from future road level	30 days	Wed 18/8/21				
190	Construction of cable trenches	30 days	Fri 17/9/21				
191	Backfill and lay temporary paving	91 days	Sun 17/10/21				
192	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	483 days	Fri 4/12/20				
193	Area Possession & Clearance	45 days	Fri 4/12/20				
194	Subletting / Fabrication / Delivery	120 days	Fri 25/12/20				
195	Construction of pile caps & tie beams at Transformer Area	180 days	Sun 31/1/21				
196	Backfill and on-grade slab at transformer Area	160 days	Sun 11/4/21				
197	Construction of Fire Walls at Transformer Area	45 days	Fri 8/10/21				
198	Excavation & Construction Blow Down Sum pit (SP Type B)	140 days	Wed 14/4/21				
199	Preparation for S.Steelwork Erection	7 days	Sat 5/6/21				
200	Structural Delivery & Erection (Turbine Hall North fr G.L. 1-3/H->B)	67 days	Sat 12/6/21				
201	Structural Delivery & Erection (Equipment Floors)	33 days	Wed 18/8/21				
202	Structural Delivery & Erection (Turbine Hall South + East Elevation)	47 days	Mon 20/9/21				
203	Joint Tightening and touch up coating	99 days	Sat 3/7/21				
204	External Scaffolding Erection	97 days	Thu 15/7/21				
205	Construction 1/F RC Slab	14 days	Mon 20/9/21				
206	Construction 2/F RC Slab	7 days	Mon 27/9/21				
207	Construction 3/F RC Slab	18 days	Thu 30/9/21				
208	Construction 4/F RC Slab	7 days	Thu 7/10/21				
209	Construction 5/F RC Slab	44 days	Mon 25/10/21				
210	Construction 6/F RC Slab	14 days	Wed 1/12/21				
211	Construction Upper Roof RC Slab	10 days	Sun 12/12/21				
212	Construction Main Roof RC Slab	39 days	Tue 12/10/21				
213	Construction Defer Roof RC Slab (G.L. G-H)	14 days	Wed 1/12/21				
214	Construction of Staircase ST-01 & lift shaft & machine room	130 days	Fri 27/8/21				
215	Construction M/F RC Slab	14 days	Wed 1/9/21				
216	Lift Installation	60 days	Tue 4/1/22				
217	Construction of Staircase ST-02 except defer work	68 days	Mon 11/10/21				
218	Construction of RC plinth, kerbs & parapet Walls	40 days	Sat 20/11/21				
219	Erection of Skylight & Roof Features	50 days	Fri 26/11/21				
220	Waterproofing & Flooring at Roof	34 days	Thu 30/12/21				
221	ABFW Works	100 days	Fri 8/10/21				
222	Building Services Works	105 days	Tue 16/11/21				
223	Metal Cladding, Windows and Louvres incl. roof feature	185 days	Mon 23/8/21				
224	Removal of external scaffolding	90 days	Wed 1/12/21				
225	Installation of Catwalk at south elevation	26 days	Mon 31/1/22				
226	Cladding, ABWF & BS Works	30 days	Wed 2/3/22				
227	Removal of temporary works & clearance for plant erection contractor	30 days	Sun 30/1/22				
228	Section C - (iii) Link Bridge between L11 and L12 MSB includin their associated A&A at L11 MSB	493 days	Fri 4/12/20				
229	BD Consent	0 days	Fri 4/12/20				
230	Subletting / Fabrication / Delivery (For BS and ABWF)	250 days	Fri 25/12/20				
231	Clearing Works and plant set-up	30 days	Fri 3/12/21				
232	Dismantle of north scaffold for link bridge erection	0 days	Tue 25/1/22				
233	A&A works at South of L11 MSB	30 days	Fri 3/12/21				
234	Erection of link bridge structural steel	30 days	Sun 2/1/22				
235	Casting of bridge deck	11 days	Tue 1/2/22				
236	Metal roofing installation	24 days	Sat 12/2/22				
237	ABWF work	30 days	Sun 20/2/22				
238	BS Works	20 days	Tue 22/3/22				
239	Ready for power cable laying work by others	0 days	Sun 10/4/22				
240	Section D - (ii) No. 5 Chimney with L12 Steel Flue Liner	810 days	Fri 1/1/21				
241	Area Possession & Clearance	45 days	Fri 1/1/21				
242	Subletting / Fabrication / Delivery (For Civil and BS for Microwave Antenna and Equipment)	120 days	Fri 8/1/21				
243	Excavation & Pile Cap & Backfill	90 days	Sat 2/1/21				
244	Tower Crane erection	30 days	Tue 11/5/21				
245	Construction of Wind Shiled + clearance for internal floors and flue+Ground slab	308 days	Fri 2/4/21				
246	Structural steel fabrication & Delivery for floors and staircase	201 days	Mon 3/1/22				
247	Erection of steel floors	79 days	Tue 19/4/22				
248	Construction of G/F room incl. Microwave Antenna Rm	45 days	Thu 7/7/22				
249	Construction of 1/F RC slab	8 days	Sat 13/8/22				
250	Construction of 2/F RC Slab	8 days	Fri 5/8/22				
251	Construction of 3/F RC slab	8 days	Thu 28/7/22				
252	Construction of 4/F RC slab	8 days	Thu 7/7/22				
253	Construction of Roof RC slab	61 days	Tue 21/6/22				
254	Removal of tower Crane	7 days	Sun 21/8/22				
255	Steel Flue fabrication and delivery	145 days	Sat 5/3/22				
256	Set up for steel flue installation	60 days	Tue 5/7/22				
257	Lift & install steel flue liner + cladding works	161 days	Thu 28/7/22				
258	Lift installation	100 days	Mon 12/12/22				
259	Installation Louvre & Doors	30 days	Thu 5/1/23				
260	Mis works, Demobilization and ready for gas duct connection	17 days	Thu 5/1/23				
261	Section D (i) - ABWF and BS Works at Microwave Antenna Room and Chimney Windshield for installation of microwave and antenna	102 days	Tue 1/3/22				
262	Completion of Microwave Antenna Room	0 days	Tue 1/3/22				
263	Remaining ABWF & BS Works	100 days	Thu 3/3/22				
264	Section E - (i) Administration and Control Building (Transformer Room)	332 days	Fri 4/12/20				
265	Area Possession & Clearance + BD consent	60 days	Fri 4/12/20				
266	Subletting / Fabrication / Delivery (For Civil+BS+ABWF)	100 days	Tue 2/2/21				
267	Excavation works	45 days	Fri 4/12/20				
268	Main Earth Grid Installation	45 days	Sun 3/1/21				
269	Pile cap and Tie Beam	45 days	Sun 3/1/21				
270	Tower Crane Erection and modification works	49 days	Wed 10/2/21				
271	Substructure + Bearing walls + On grade slabs	115 days	Wed 17/2/21				
272	Construction of RC up to 1/F incl. staircases	69 days	Sat 12/6/21				
273	ABWF at G/F	52 days	Fri 10/9/21				
274	Section E (ii) Handover G/F, 1/F, 2/F & Hoisting Well	452 days	Fri 4/12/20				
275	Clearing Works and plant set-up	21 days	Sun 31/10/21				
276	Subletting / Fabrication / Delivery (For NSC Lift)	180 days	Sun 3/1/21				
277	Construction of RC up to 2/F incl. staircases	25 days	Sat 14/8/21				
278	Construction of RC up to 3/F incl. staircases	20 days	Thu 2/9/21				
279	Temporary Hoist erection	14 days	Wed 22/9/21				

MASTER PROGRAMME
Rev 1-B 23 Aug 2021




Task █ Split Milestone ◆ Summary ▬

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

ID	Task Name	Duration	Start	May	Jun	2022	Jul
280	Construction of RC up to 4/F incl. staircases	20 days	Thu 16/9/21				
281	Construction of RC up to R/F incl. staircases	25 days	Thu 30/9/21				
282	Construction of RC up to lift machine room	21 days	Mon 25/10/21				
283	Construction of RC up to UR/F	21 days	Mon 15/11/21				
284	External Wall Finish, Cladding + Windows and Louvres + Features	138 days	Thu 30/9/21				
285	ABWF at 1/F	95 days	Fri 8/10/21				
286	ABWF at 2/F	96 days	Fri 15/10/21				
287	Building Services Works at G/F, 1/F, 2/F & Hoisting Well	147 days	Tue 5/10/21				
288	Section E (iii) Whole of Administration and Control Building	544 days	Fri 4/12/20				
289	Subletting / Fabrication / Delivery (For BS+ABWF)	127 days	Sat 23/10/21				
290	Construction of New UG Grey Water Tank	60 days	Mon 20/3/23				
291	Submission of WW046 for commencement	60 days	Wed 19/1/22				
292	ABWF at 3/F	120 days	Mon 25/10/21				
293	ABWF at 4/F	90 days	Wed 24/11/21				
294	ABWF at R/F	60 days	Wed 15/12/21				
295	ABWF at UR/F + Lift Machine Room	45 days	Wed 5/1/22				
296	Bridge Erection & Connection	28 days	Mon 7/2/22				
297	Installation of Raised floors	60 days	Fri 7/1/22				
298	Removal of external scaffolding	39 days	Mon 24/1/22				
299	Waterproofing & screeding	60 days	Mon 6/12/21				
300	Removal of Tower Crane	7 days	Thu 10/3/22				
301	External utilities and road work	45 days	Tue 8/2/22				
302	Building Services Works	160 days	Tue 7/12/21				
303	False ceiling after BS works	54 days	Tue 29/3/22				
304	Submission of WW046 for completion	30 days	Wed 9/3/22				
305	Submission of FS inspection	14 days	Fri 13/5/22				
306	Submission for OP Inspection	14 days	Wed 18/5/22				
307	Section F (i) - Gas Receiving Station and L12 Gas Receiving Station Equipment Room (GRS) Area Extension at Area F14	548 days	Tue 1/6/21				
308	Area Possession & Clearance + BD consent	90 days	Tue 1/6/21				
309	Subletting / Fabrication / Delivery	30 days	Tue 22/6/21				
310	Installation of pipe pile at north of GRS (VO)	134 days	Mon 5/7/21				
311	Construction Equipment room extension	145 days	Sun 31/10/21				
312	Modification of existing drainage	45 days	Fri 25/3/22				
313	Excavation & earthing for Skid foundations	21 days	Mon 9/5/22				
314	Construction of Skid foundation	45 days	Mon 30/5/22				
315	Construct underground utilities and drainage	45 days	Thu 14/7/22				
316	Backfill and road works	60 days	Sun 28/8/22				
317	Relocate / install new fencing for completion	21 days	Thu 27/10/22				
318	Mis. Work and ready for OP inspection	14 days	Thu 17/11/22				
319	Section F (ii) - Pipe and Cable rack and external work at Area F9A and F9B	515 days	Sat 2/1/21				
320	BD consent + Site Possession at Area F9A & F9B	90 days	Sat 2/1/21				
321	Excavation & Plate load test	30 days	Mon 1/11/21				
322	Construction new footing for pipe rack	30 days	Wed 1/12/21				
323	Underground utilities and road works for completion	11 days	Thu 31/3/22				
324	Structural Steel fabrication & Delivery	90 days	Sat 2/10/21				
325	Erection of new pipe rack	70 days	Fri 31/12/21				
326	Mis. Work and ready for OP inspection	21 days	Wed 11/5/22				
327	Section F (iii) - No. 5 CW Equipment Room, pipe and cable rack, external works at Area F10	457 days	Tue 1/6/21				
328	Area Possession & Clearance + BD consent	90 days	Tue 1/6/21				
329	Subletting / Fabrication / Delivery For ABWF + BS	150 days	Wed 2/6/21				
330	Installation of Sheet Pile (VO)	85 days	Tue 1/6/21				
331	Consent for ELS Works	28 days	Wed 25/8/21				
332	Excavation & Plate load test	30 days	Wed 22/9/21				
333	Construction new footing for equipment room	68 days	Thu 23/12/21				
334	Superstructure for equipment room	60 days	Tue 1/3/22				
335	ABWF Works	45 days	Sat 30/4/22				
336	BS Works	30 days	Wed 1/6/22				
337	Construction RC Wall & plinths & drainage at Chlorinator area	45 days	Wed 30/3/22				
338	External wall finish & remove scaffolding	30 days	Sat 14/5/22				
339	Excavation & Plate load test for pipe rack extension (For F45-47 & F49)	30 days	Sat 16/10/21				
340	Construction new footing for pipe rack (For F45-47 & F49)	45 days	Mon 15/11/21				
341	Underground utilities and road works for completion	60 days	Thu 30/12/21				
342	Structural Steel fabrication & Delivery	90 days	Sun 12/12/21				
343	Backfilling and prepare for steel erection	12 days	Mon 28/2/22				
344	Excavation & Plate Load test for pipe rack extension (For F48 F56)	14 days	Wed 30/3/22				
345	Construction of new footing for pipe rak (For F48 & F56)	14 days	Wed 13/4/22				
346	Erection of new pipe rack (For F48 & F56)	65 days	Tue 3/5/22				
347	Erection of new pipe rack (For F45-47 & F49)	70 days	Sat 12/3/22				
348	Mis. Work and ready for OP inspection	56 days	Thu 7/7/22				
349	Section G (i) - External Work surrounding Area F11	145 days	Sat 4/6/22				
350	Area Possession & Clearance after handover from No. 5 Intake Contractor	30 days	Sat 4/6/22				
351	Subletting / Fabrication / Delivery	30 days	Sat 4/6/22				
352	Submission WW0046 for commencement	30 days	Sat 4/6/22				
353	Construct Underground utilities and drainage	30 days	Mon 20/6/22				
354	Install new FS Hydrant	20 days	Mon 20/6/22				
355	Submission WW0046 for completion	30 days	Sat 30/7/22				
356	Construction Road extension	58 days	Sat 30/7/22				
357	Construction road paving and install fencing	30 days	Mon 26/9/22				
358	Ready for OP inspection	14 days	Thu 13/10/22				
359	Section G (ii) - External Works at Area F12 & F13	666 days	Fri 4/12/20				
360	Area Possession & Clearance after handover from other	45 days	Fri 4/12/20				
361	Subletting / Fabrication / Delivery	180 days	Thu 4/3/21				
362	Excavation	21 days	Sat 23/10/21				
363	Submission WW0046 for commencement	30 days	Sat 13/11/21				
364	Construct Underground utilities and drainage	90 days	Mon 13/12/21				
365	Install new FS Hydrant	30 days	Sun 13/3/22				
366	Submission WW0046 for completion	30 days	Tue 12/4/22				
367	Construction Road extension	127 days	Thu 12/5/22				
368	Complete with Mis. Works for completion	15 days	Fri 16/9/22				
369	Section G (iii) - FS Modification works along South Seafront Road at Area F15	183 days	Fri 1/4/22				
370	Area Possession & Clearance after handover from other	45 days	Fri 1/4/22				
371	Subletting / Fabrication / Delivery	21 days	Fri 1/4/22				
372	Temporary Traffic Arrangement approval	14 days	Fri 1/4/22				
373	Utilities scanning and expose existing FS	14 days	Fri 15/4/22				
374	Determine new FS alignment	21 days	Fri 29/4/22				
375	Submission to FSD	14 days	Fri 20/5/22				
376	Modification of FS	60 days	Fri 3/6/22				
377	Backfill and reinstatement + report to FSD	60 days	Tue 2/8/22				
378	Section G (iv) - 275kV cable trenches and External Works at Area F16	518 days	Sat 1/5/21				
379	Area Possession & Clearance	60 days	Sat 1/5/21				
380	Subletting / Fabrication / Delivery	210 days	Wed 17/11/21				
381	Temporary Traffic Arrangement approval	60 days	Sat 1/5/21				

MASTER PROGRAMME Rev 1-B 23 Aug 2021



Task █ Split Milestone ◆ Summary ▬

Page 4 of 6

Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit M2 Master Programme

ID	Task Name	Duration	Start	2022		
				May	Jun	Jul
382	Removal of aboveground services	60 days	Wed 30/6/21			
383	Utilities scanning and expose existing UU	30 days	Sun 29/8/21			
384	Arrange of diversion existing UG utilities	90 days	Tue 28/9/21			
385	Construct new cable trenches	173 days	Mon 27/12/21			Construct new cable trench
386	Realign / install new UG utilities	60 days	Sat 18/6/22			
387	Backfill and reinstate & ready for cable laying by others	45 days	Wed 17/8/22			
388	Section G (v) - Shunt Reactor Compound and External Works at Area F17	666 days	Fri 4/12/20			
389	Temporary Traffic Arrangement approval	45 days	Fri 4/12/20			
390	Subletting / Fabrication / Delivery	100 days	Fri 25/12/20			
391	BD approval & consent for pipe pile installation	90 days	Fri 4/12/20			
392	Area Possession & Clearance	14 days	Thu 4/3/21			
393	Removal of aboveground services	21 days	Thu 18/3/21			
394	Utilities scanning and expose existing UU	15 days	Thu 8/4/21			
395	Arrange of diversion existing UG utilities	45 days	Fri 23/4/21			
396	Install pipe piles	61 days	Sun 23/5/21			
397	BA14 for pipepile and BD consent for ELS	28 days	Fri 23/7/21			
398	Excavation & install earthing	35 days	Fri 20/8/21			
399	Construct Pile Caps and Tie Beams	45 days	Fri 24/9/21			
400	Backfill & Erect scaffold	21 days	Mon 8/11/21			
401	Construction of SRC Walls	75 days	Mon 29/11/21			
402	Wall finish and remove scaffolding	24 days	Sat 12/2/22			
403	Construct new cable trenches	60 days	Tue 8/3/22			Construct new cable trenches
404	Install new UG Utilities, Backfill and reinstate & ready for cable laying by Others for DAX1	55 days	Thu 7/4/22			Install new UG Utilities, Backfill and re
405	Realign / install new UG utilities (for DAX2, APX1 & APX3)	117 days	Sat 7/5/22			
406	Backfill and reinstate & ready for cable laying by others (for DAX2, APX1, & APX3)	30 days	Thu 1/9/22			
407	Section G (vi) - 275kV cable trenches and External Works at Area F18	397 days	Sat 1/5/21			
408	Temporary Traffic Arrangement approval	45 days	Sat 1/5/21			
409	Subletting / Fabrication / Delivery	60 days	Tue 15/6/21			
410	Area Possession & Clearance	15 days	Sat 1/5/21			
411	Removal of aboveground services	30 days	Sun 16/5/21			
412	Utilities scanning and expose existing UU	45 days	Tue 15/6/21			
413	Arrange of diversion existing UG utilities	60 days	Fri 30/7/21			
414	Construct new cable trenches	172 days	Tue 28/9/21			
415	Realign / install new UG utilities	45 days	Sat 19/3/22			Realign / install new UG utilities
416	Backfill and reinstate & ready for cable laying by others	30 days	Tue 3/5/22			Backfill and reinstate & ready for cab
417	Section G (vii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20A	521 days	Fri 4/12/20			
418	Area Possession & Clearance	30 days	Fri 4/12/20			
419	Subletting / Fabrication / Delivery	60 days	Fri 25/12/20			
420	Temporary Traffic Arrangement approval	300 days	Fri 4/12/20			
421	ELS BD approval & consent	90 days	Fri 18/12/20			
422	Demolition of existing carriageway	30 days	Thu 11/11/21			
423	Removal of aboveground services	21 days	Thu 30/9/21			
424	Utilities scanning and expose existing UU	21 days	Thu 21/10/21			
425	Arrange of diversion existing UG utilities	30 days	Sat 11/12/21			
426	Excavation and construction of new Flood wall	65 days	Mon 10/1/22			Construction of new Flood wall
427	Realign / install new UG utilities	30 days	Wed 16/3/22			Realign / install new UG utilities
428	Backfill and construct new carriageway	18 days	Fri 15/4/22			Backfill and construct new carriageway
429	Mis. Work for completion	6 days	Tue 3/5/22			Mis. Work for completion
430	Section G (viii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20B	365 days	Fri 1/10/21			
431	Area Possession & Clearance	45 days	Fri 1/10/21			
432	Subletting / Fabrication / Delivery	90 days	Fri 22/10/21			
433	Temporary Traffic Arrangement approval	14 days	Fri 1/10/21			
434	ELS BD approval & consent	90 days	Fri 15/10/21			
435	Demolition of existing carriageway	60 days	Fri 1/10/21			
436	Removal of aboveground services	21 days	Tue 30/11/21			
437	Utilities scanning and expose existing UU	21 days	Tue 21/12/21			
438	Arrange of diversion existing UG utilities	30 days	Tue 11/1/22			
439	Install Sheetpiles	55 days	Thu 10/2/22			
440	BA14 for sheetpile and BD consent for ELS	28 days	Wed 6/4/22			BA14 for sheetpile and BD consent for ELS
441	Excavation and construction of new Flood wall	90 days	Wed 4/5/22			
442	Realign / install new UG utilities	30 days	Tue 2/8/22			
443	Backfill and construct new carriageway	21 days	Thu 1/9/22			
444	Mis. Work for completion	9 days	Thu 22/9/22			
445	Section G (ix) - Bund wall modification works at South Seafront Road at Area F21	316 days	Fri 4/12/20			
446	Area Possession & Clearance	45 days	Fri 4/12/20			
447	Subletting / Fabrication / Delivery	90 days	Fri 25/12/20			
448	Temporary Traffic Arrangement approval	165 days	Fri 4/12/20			
449	ELS BD approval & consent	0 days	Thu 17/12/20			
450	Demolition of existing carriageway	14 days	Tue 18/5/21			
451	Removal of aboveground services	14 days	Tue 1/6/21			
452	Utilities scanning and expose existing UU	21 days	Tue 15/6/21			
453	Arrange of diversion existing UG utilities (include FS pipe under 17/8002)	40 days	Tue 6/7/21			
454	Excavation and expose existing bund wall & demolish	18 days	Wed 28/7/21			
455	Construction new bund wall for road junction	21 days	Sat 4/9/21			
456	Realign / install new UG utilities (include FS pipe under 17/8002)	60 days	Sun 1/8/21			
457	Backfill and construct new carriageway	16 days	Thu 30/9/21			
458	Mis. Work for completion	5 days	Mon 11/10/21			
459	Section G (x) - DAX Cable Diversion Works (from Part I to Part IV)	758 days	Fri 4/12/20			
460	Temporary Traffic Arrangement approval	14 days	Fri 4/12/20			
461	Subletting / Fabrication / Delivery	90 days	Fri 25/12/20			
462	Area Possession & Clearance	45 days	Fri 4/12/20			
463	Identification of existing cable trench	7 days	Mon 18/1/21			
464	Part 1 Re-excavation works incl.construction of joint bay (at Water Reservoir Road)	246 days	Mon 25/1/21			
465	Part 1 Re-excavation works incl construction of joint bay (other than Reservoir road base on revised routing)	310 days	Mon 25/1/21			
466	Part 2 Re-excavation works incl. joint bay	120 days	Mon 1/11/21			
467	Part 3 Re-excavation works incl. joint bay	242 days	Mon 1/11/21			
468	Part 4 Re-excavation works incl. joint bay & new oil tank pits	92 days	Sat 1/10/22			Part 3 Re-excavati
469	Backfill & Reinstatement Part 1	61 days	Mon 1/11/21			
470	Backfill & Reinstatement Part 2	61 days	Sun 1/5/22			Backfill & Reinstat
471	Backfill & Reinstatement Part 3	61 days	Thu 1/9/22			
472	Section H - All remaining works shall be completed for reporting completion to BD and ready for OP inspection (PS1.4.4)	775 days	Wed 17/11/21			
473	Deferred works (MSB & HRSG) Listed in PS 1.4.4	272 days	Wed 17/11/21			
474	Construction of L12 MSB roof between GL12-G to 12-H and 12-2 to 12-6 after the overhead crane installation by the Employer's Specialist Contractors	38 days	Wed 17/11/21			
475	Construction of walls of L12 MSB below 1/F along GL 12-6 from GL12-B to 12-C and the associated staircases including the enclosure walls between G/F and 1/F. The Contractor shall allow access for the Employer's Specialist Contractors to use the hoisting we	92 days	Mon 16/5/22			
476	Provision in associated with hoisting well	21 days	Mon 6/6/22			Provision in associat
477	Construction of internal partition wall at 1/F of L12 MSB along GL 12-C from GL 12-2 to 12-3 AND North Façade at 1/F of L12 MSB along GL 12-1 from GL 12-B to 12-C	30 days	Sat 16/4/22			Construction of internal partition wall at 1/F of L
478	Construction of metal fence and the associated Fire Services (F.S.) installations and installation of removable shelter at Transformer Area	92 days	Mon 16/5/22			



Contract No. 19/83002 Lamma Power Station Extension Civil and Building Works for Unit M2 Master Programme

ID	Task Name	Duration	Start	2022		
				May	Jun	Jul
479	Deferred works (DAX1 and DAX2) Listed in PS 1.4.4	334 days	Wed 1/2/23			
480	Backfilling of whole DAX1 compartment inside existing joint bay "STJ12" and the new oil tank pit A located aside existing joint bay "STJ12".	59 days	Wed 1/2/23			
481	Re-excavation of whole DAX2 compartment inside existing joint bay "STJ12".	61 days	Tue 1/8/23			
482	Backfilling of whole DAX2 compartment inside existing joint bay "STJ12" and the new oil tank pit B located aside existing joint bay "STJ12".	61 days	Wed 1/11/23			
483	Deferred works (External Work) Listed in PS 1.4.4	121 days	Thu 1/12/22			
484	Final reinstatement of access roads and pavement surrounding and within L12 MSB and L12 HRSG area	62 days	Thu 1/12/22			
485	Installation of trench cover and road reinstatement of gas pipe and cable trenches within Area F5, F14, F16, F17 and F18.	90 days	Sun 1/11/23			
486	Backfilling and road-reinstatement of 275kV cable trenches	90 days	Sun 1/11/23			
487	All Remaining work ready for OP inspection	0 days	Tue 28/2/23			
488	STATUTORY SUBMISSION, INSPECTION & APPROVAL	560 days	Tue 16/11/21			
489	WSD Statutory Submission, Inspection and Approval WWO Part I to III Submission / Approval	256 days	Tue 16/11/21			
490	WSD: Submit to WSD Form WWO 046 Part I to II - FOR ACB Building (for Ext Works at later stage)	0 days	Tue 16/11/21			
491	WSD: Vetting Form WWO 046 Part I and II Submission	90 days	Wed 17/11/21			
492	WSD: Issued of Form WWO 046 Part III by WSD - FOR ACB Building	0 days	Tue 15/2/22			
493	WSD: Prepare for 1st Amendment for Plumbing Plan	60 days	Tue 15/2/22			
494	WSD: Submit to WSD 1st Amendment for Plumbing Plan	0 days	Fri 15/4/22			
495	WSD: Vetting of Plumbing Plan by WSD	60 days	Sat 16/4/22			
496	WSD: 1st Approval for Plumbing Plan by WSD	0 days	Tue 14/6/22			
497	WSD: Prepare and Submit for Final Amendment for Plumbing Plan	45 days	Wed 15/6/22			
498	WSD: Vetting and Final Approval for Plumbing Plan by WSD	0 days	Fri 29/7/22			
499	WSD Statutory Submission, Inspection and Approval WWO Part IV to V Fire Services Water Submission / Approval	33 days	Fri 29/7/22			
500	WSD: Form WWO 046 Part IV Submission (FS)	0 days	Fri 29/7/22			
501	WSD: WSD Received Form WWO046 Part IV and arrange for inspection (FS)	7 days	Sat 30/7/22			
502	WSD: WSD Inspection (FS)	7 days	Sat 6/8/22			
503	WSD: WWO 046 Part V Endorsement by WSD (FS)	12 days	Sat 13/8/22			
504	WSD: WSD Processing Water Supply Connection Certificate (FS)	7 days	Thu 25/8/22			
505	WSD: Issue by WSD Water Supply Connection Certificate (FS)	0 days?	Wed 31/8/22			
506	WSD Statutory Submission, Inspection and Approval WWO Part IV to V Potable /Flush Water Submission / Approval	60 days	Fri 19/8/22			
507	WSD: Form WWO 046 Part IV Submission (Fresh/Flush)	0 days	Fri 19/8/22			
508	WSD: WSD Acknowledge Form WWO 046	6 days	Sat 20/8/22			
509	WSD: WSD Inspection with Testing to lead (Fresh/Fluhs)	12 days	Fri 26/8/22			
510	WSD: Cleansing/Disinfecting Water Tanks / Piping System (Fresh/Flush)	6 days	Wed 7/9/22			
511	WSD: Collection of Sample for Testing at Accredited Lab (Fresh/Flush)	12 days	Tue 13/9/22			
512	WSD: Accredited Lab Testing Report of Sample to WSD	12 days	Sun 25/9/22			
513	WSD: Vetting of Test Report by WSD	6 days	Fri 7/10/22			
514	WSD: Issue of WWO 046 Part V (Fresh/Flush)	0 days	Wed 12/10/22			
515	WSD: WSD Processing WWO1005 Water Certification (Fresh/Flush)	6 days	Thu 13/10/22			
516	WSD: Issue by WSD WWO 1005 Water Certification (Fresh/Flush)	0 days	Tue 18/10/22			
517	EMSD LIFT Statutory Submission, Inspection and Approval	45 days	Sat 26/3/22			
518	EMSD: Submission of Lift Form LE5 to EMSD	12 days	Sat 26/3/22			
519	EMSD: EMSD Makes arrangement for Lift Installation	5 days	Thu 7/4/22			
520	EMSD: EMSD Inspection to Lift Installation	14 days	Tue 12/4/22			
521	EMSD: Processing Lift Certificate (Form LE6)	14 days	Tue 26/4/22			
522	EMSD: Lift Issuance of Form 6 (Lift Certificate)	0 days	Mon 9/5/22			
523	HKE Transformer Final Inspection	120 days	Thu 30/6/22			
524	TX Room: Invite HKE For Transformer Room Inspection	7 days	Thu 30/6/22			
525	TX Room: Give Access to Transformer Room for HKE Contractor	0 days	Wed 6/7/22			
526	TX Room: Move-IN HKE Transformer Equipments	5 days	Thu 7/7/22			
527	TX Room: Install HKE Transformer, MEP Works & Testing	90 days	Tue 12/7/22			
528	TX Room: HKE Power Energization / Inspection	6 days	Mon 10/10/22			
529	TX Room: Metering Installation	12 days	Sun 16/10/22			
530	TX Room: HKE Power-ON Date	0 days	Thu 27/10/22			
531	DSD Drainage Completion Memo	65 days	Sun 2/10/22			
532	DSD: CCTV Survey Report on Completed Drainage	30 days	Sun 2/10/22			
533	DSD: Submitted CCTV Report & Form HPB1 of Completed Drainage to DSD For Technical Audit	7 days	Tue 1/11/22			
534	DSD: Completed Drainage System including TMC Inspection/Technical Audit by DSD	14 days	Tue 8/11/22			
535	DSD: Preparation of Drainage Connection Completion Memo by DSD	14 days	Tue 22/11/22			
536	DSD: Issue of Drainage Connection Completion Memo by DSD	0 days	Mon 5/12/22			
537	EPD Submission, Inspection and Approval	60 days	Thu 30/6/22			
538	EPD: License Application to EPD under APCO (Cap 311) for Generator Sets	0 days	Thu 30/6/22			
539	EPD: Vetting of Application by EPD under APCO (Cap 311) for Generator Sets	60 days	Fri 1/7/22			
540	EPD: Approval from EPD under APCO (Cap 311) for Generator Sets Installation	0 days	Mon 29/8/22			
541	FSD VAC Statutory Submission, Inspection and Approval	150 days	Wed 20/7/22			
542	Preparation of FSD VAC Drawings and Submission to HEC	60 days	Wed 20/7/22			
543	HEC: Review and Approval	30 days	Sun 18/9/22			
544	Preparation of VAC Drawings and Submission to FSD	30 days	Tue 18/10/22			
545	FSD: Review and Approval	30 days	Thu 17/11/22			
546	FSD Statutory Submission, Inspection and Approval	91 days	Tue 28/2/23			
547	Testing and Commissioning (Individual System - FSI Related)	45 days	Tue 28/2/23			
548	FSD: All Sections FS Ingration Test by NSC_BS	15 days	Fri 14/4/23			
549	FSD: Completion of FS Integration Test by NSC_BS for FS314/501	0 days	Fri 28/4/23			
550	FSD: Submit Form 213/314 & Form 501 Request for Inspection	0 days	Fri 28/4/23			
551	FSD: FSD Makes Arrangement for Inspection	7 days	Sat 29/4/23			
552	FSD: FSD Inspection	12 days	Sat 6/5/23			
553	FSD: Completion of FS Inspection	0 days	Wed 17/5/23			
554	FSD: FSD Processing FS Certificate Form 172	12 days	Thu 18/5/23			
555	FSD: Issue of Fire Services FS Certificate Form 172	0 days	Mon 29/5/23			
556	PRACTICAL COMPLETION	216 days	Tue 30/5/23			
557	BD Inspection	97 days	Tue 30/5/23			
558	BD: Application Form BA13 for OP Application	21 days	Tue 30/5/23			
559	BD: BD Inspection Date	15 days	Tue 20/6/23			
560	BD: Reinspection date with defects and rectification works	60 days	Wed 5/7/23			
561	BD: Obtain Occupation Permit (OP) from BD	1 day	Sun 3/9/23			
562	As-Built Drawings & Handover Documentation	120 days	Wed 14/6/23			
563	Prepare and Submit As-Built Drawings & Handover Documentation	45 days	Wed 14/6/23			
564	Review and Approval	45 days	Sat 29/7/23			
565	As-Built Drawings & Handover Documentation - Revision by MC	30 days	Tue 12/9/23			
566	Revised As-Built Drawings & Handover Documentation - Final Submission	0 days	Wed 11/10/23			
567	Completion of the Whole Contract Works	119 days	Mon 4/9/23			
568	1st Client Inspection for Review and Comments	30 days	Mon 4/9/23			
569	Defects and Rectification works	60 days	Wed 4/10/23			
570	2nd Client Inspection	14 days	Sun 3/12/23			
571	Minor Defects Rectification Works and Final Inspection	15 days	Sun 17/12/23			
572	PRACTICAL COMPLETION	0 days	Sun 31/12/23			

MASTER PROGRAMME
Rev 1-B 23 Aug 2021



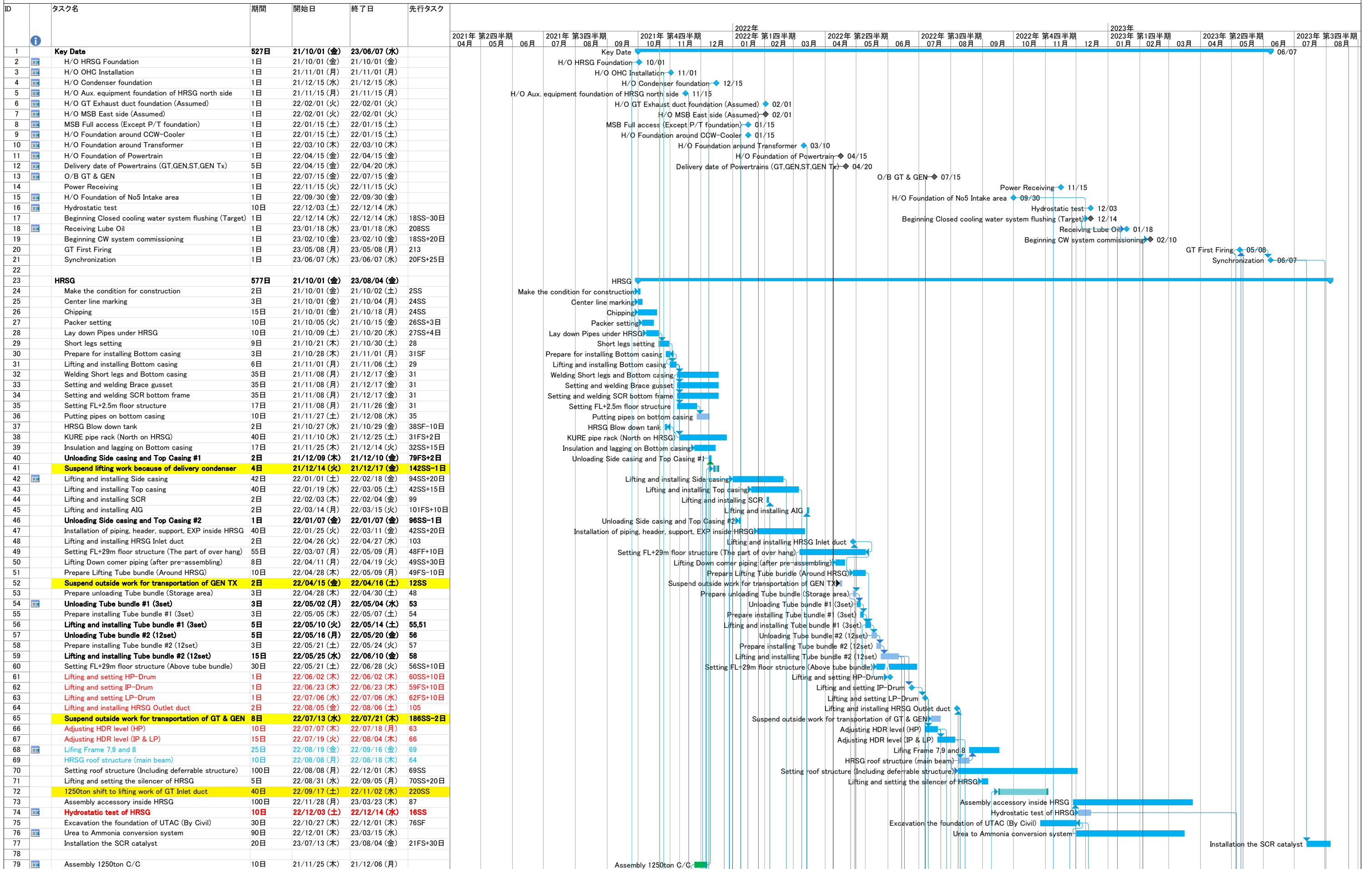
Task █ Split Milestone ◆ Summary ▬

ID	Task Name	Duration	Start	Finish	May '22							Jun '22			Jul '22				
					24	01	08	15	22	29	05	12	19	26	03	10	17	24	
1	19-83014 - Civil Works for No. 5 C.W. Intake and Cable Bridge at Lamma Power Station Extension	334 days	Fri 12/10/21	Sat 11/19/22															
2	No. 5 C.W. Intake	334 days	Fri 12/10/21	Sat 11/19/22															
3	Installation of 1st row of tie back (Except North)	24 days	Wed 12/15/21	Tue 01/11/22															
4	Installation of 1st row of waling and strut	5 days	Wed 01/12/22	Sun 01/16/22															
5	Install 1st row tie back after extract sheet pile	7 days	Mon 01/17/22	Sun 01/23/22															
6	Install remaining waling & struct	7 days	Fri 01/21/22	Thu 01/27/22															
7	Excavate upto +2.70mPD	5 days	Wed 01/26/22	Sun 01/30/22															
8	Pull-out Test for 2nd row of tie back (5 nos.)	10 days	Fri 02/04/22	Sun 02/13/22															
9	Intall 2nd tie back (West) 25 nos	12 days	Fri 02/04/22	Tue 02/15/22															
10	Excavate West and install struct & waling	18 days	Wed 02/16/22	Sat 03/05/22															
11	Install 2nd row of tie back (144nos)	56 days	Fri 02/04/22	Thu 03/31/22															
12	Install 2nd row Waling	14 days	Fri 03/25/22	Fri 04/08/22															
13	Excavate upto -7.20mPD	26 days	Sat 04/09/22	Wed 05/04/22															
14	Install Silt Curtain	2 days	Sat 04/09/22	Sun 04/10/22															
15	Removal of seawall coping	21 days	Mon 04/11/22	Sun 05/01/22															
16	Removal of seawall block	26 days	Thu 05/05/22	Tue 05/31/22															
17	Preparation for removal of culvert	14 days	Wed 05/18/22	Tue 05/31/22															
18	Removal of culvert	10 days	Wed 06/01/22	Sat 06/11/22															
19	Touch up formation for intake precast move in	14 days	Tue 05/31/22	Tue 06/14/22															
20	Offsite Fabrication of No. 5 Intake Chamber	166 days	Fri 12/10/21	Sat 06/04/22															
21	Bottom Slab	110 days	Fri 12/10/21	Thu 04/07/22															
22	External Wall (1st pour)	10 days	Fri 04/08/22	Sun 04/17/22															
23	External Wall (2nd pour)	10 days	Mon 04/18/22	Wed 04/27/22															
24	External Wall (3rd pour)	10 days	Thu 04/28/22	Sat 05/07/22															
25	Temp bulkhead panel	7 days	Sun 05/08/22	Sun 05/15/22															
26	Concrete curing & Mis. Work before ship out	12 days	Mon 05/16/22	Fri 05/27/22															
27	Delivery of Precast Chamber	7 days	Sat 05/28/22	Sat 06/04/22															
28	Installation of Precast No. 5 Intake Chamber	4 days	Wed 06/15/22	Sat 06/18/22															
29	Prepare formation level for reinstall culvert	10 days	Sun 06/19/22	Tue 06/28/22															
30	Reinstate of culvert	14 days	Wed 06/29/22	Tue 07/12/22															
31	Reinstate of seawall block	30 days	Wed 07/13/22	Thu 08/11/22															
32	Reinstate of seawall coping	45 days	Fri 08/12/22	Sun 09/25/22															
33	In-situ casting for top part of intake chamber	154 days	Sun 06/19/22	Sat 11/19/22															
34	Backfilling upto +2.80mPD (ie gap between pipepile & intake precast)	10 days	Sun 06/19/22	Tue 06/28/22															
35	External wall upto +5.70mPD	30 days	Thu 06/23/22	Fri 07/22/22															
36	Dewatering	6 days	Sat 07/23/22	Thu 07/28/22															
37	Install bottom layer internal precast panel	10 days	Fri 07/29/22	Sun 08/07/22															
38	Cast in-situ for bottom internal wall	12 days	Mon 08/08/22	Fri 08/19/22															
39	Install middle layer internal precast panel	10 days	Tue 08/16/22	Thu 08/25/22															
40	Cast in-situ for middle internal wall	12 days	Fri 08/26/22	Tue 09/06/22															
41	Install top layer internal precast panel	10 days	Sat 09/03/22	Mon 09/12/22															
42	Cast in-situ for top internal wall	12 days	Tue 09/13/22	Sat 09/24/22															
43	Cast in-situ for top slab	18 days	Sun 09/25/22	Wed 10/12/22															
44	Falsework removal	18 days	Thu 10/27/22	Sun 11/13/22															
45	Upstand wall and gantry railing footing	10 days	Thu 10/13/22	Sat 10/22/22															
46	Steel and Metal Works	21 days	Sun 10/30/22	Sat 11/19/22															

Project: 19-83014 - No. 5 Intake and Cable Br
 Date: 15 Mar 2022
 Rev. 6 - Programme for No. 5 C.W. Intake

Task	Summary	External Milestone	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline
Split	Project Summary	Inactive Task	Manual Task	Manual Summary	Progress	Milestone
Milestone	External Tasks	Inactive Milestone	Duration-only	Start-only	Deadline	Milestone

Construction Schedule of Unit-12



NOTE
 1. The key date is subjected in the KOM held on 30th-Sep.
 2. The east area on the MSB is assumed to be handovered before B-Feb-2022 according to the above key date changed.

3.Considered the affection of KURE's schedule belows;
 i) Because of delaying the side casing,installation Inlet duct is postponed.
 ii) Because of delivery 12 TBs in one time, no enough area for pre-ass'y Outlet duct and GT Inlet duct on schedule.

