


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

| ID | Task Name | Duration | Start | Finish | May | Jun | Jul |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|---------------------|-----|-----|-----|
| 1 | KEY DATES & MILESTONES | 1123 days | Fri 4/12/20 | Sun 31/12/23 | | | |
| 2 | Contract Period | 1123 days | Fri 4/12/20 | Sun 31/12/23 | | | |
| 3 | Deferred Work Completion Key Dates | 784 days | Mon 8/11/21 | Sun 31/12/23 | | | |
| 4 | Substantial Completion of the Whole Contract Works (1123 Days) | 0 days | Sun 31/12/23 | Sun 31/12/23 | | | |
| 5 | SITE POSSESSION DATES | 513 days | Fri 4/12/20 | Sun 1/5/22 | | | |
| 6 | Site Possession Date as phased site possession plan and PS1.4.2 | 0 days | Fri 4/12/20 | Fri 4/12/20 | | | |
| 7 | Site Possession Date as phased site possession plan and PS1.4.2 | 0 days | Fri 1/1/21 | Fri 1/1/21 | | | |
| 8 | Site Possession Date as phased site possession plan and PS1.4.2 | 0 days | Sat 1/5/21 | Sat 1/5/21 | | | |
| 9 | Site Possession Date as phased site possession plan and PS1.4.2 | 0 days | Fri 1/10/21 | Fri 1/10/21 | | | |
| 10 | Site Possession Date as phased site possession plan and PS1.4.2 | 0 days | Fri 1/4/22 | Fri 1/4/22 | | | |
| 11 | Site Possession Date as phased site possession plan and PS1.4.2 | 0 days | Sun 1/5/22 | Sun 1/5/22 | | | |
| 12 | COMPLETION DATES as per PS1.4.2 Time for Completion | 838 days | Thu 30/9/21 | Tue 16/1/24 | | | |
| 13 | Section A1 (i) - Area south of L12 MSB and L12 HRSG from GL12-F eastwards leading to Chimney Road Area F7 | 0 days | Thu 30/9/21 | 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 | Mon 1/11/21 | | | |
| 15 | Section A2 (i) External Works including CW Inlet Culvert at Area F8A | 0 days | Fri 28/7/23 | Fri 28/7/23 | | | |
| 16 | Section A2 (ii) External Works including CW Inlet Culvert at Area F8B | 0 days | Tue 16/1/24 | Tue 16/1/24 | | | |
| 17 | Section A2 (iii) External Works including CW Inlet Culvert at Area F8C | 0 days | Sat 28/10/23 | Sat 28/10/23 | | | |
| 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 | 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 | 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 | 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 | Mon 28/2/22 | | | |
| 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 | 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 | 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 | Tue 30/5/23 | Tue 30/5/23 | | | |
| 25 | Section C - (iii) Link Bridge between L11 and L12 MSB including their associated A&A at L11 MSB | 0 days | Sun 7/5/23 | Sun 7/5/23 | | | |
| 26 | Section D - (i) Microwave Antenna Room and Chimney Windshiled for the installation of microwave equipment and antenna | 0 days | Fri 10/6/22 | Fri 10/6/22 | | | |
| 27 | Section D (ii) - No. 5 Chimney with L12 Steel Flue liner | 0 days | Wed 21/6/23 | Wed 21/6/23 | | | |
| 28 | Section E (i) - Tx Room of Administration and Control Building | 0 days | Sun 31/10/21 | 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 | Mon 28/2/22 | | | |
| 30 | Section E (iii) - Whole of Admin. And Control Building | 0 days | Tue 31/5/22 | Tue 31/5/22 | | | |
| 31 | Section F (i) - Gas Receiving Station and L12 Gas Receiving Station Equipment Room (GRS) Area Extension at Area F14 | 0 days | Sun 9/4/23 | Sun 9/4/23 | | | |
| 32 | Section F (ii) - Pipe and Cable rack and external work at Area F9A and F9B | 0 days | Mon 31/7/23 | Mon 31/7/23 | | | |
| 33 | Section F (iii) - No. 5 CW Equipment Room, pipe and cable rack, external works at Area F10 | 0 days | Wed 5/7/23 | Wed 5/7/23 | | | |
| 34 | Section G (i) - External Work surrounding Area F11 | 0 days | Tue 31/10/23 | Tue 31/10/23 | | | |
| 35 | Section G (ii) - External Works at Area F12 & F13 | 0 days | Fri 20/10/23 | Fri 20/10/23 | | | |
| 36 | Section G (iii) - FS Modification works along South Seafront Road at Area F15 | 0 days | Fri 30/9/22 | Fri 30/9/22 | | | |
| 37 | Section G (iv) - 275kV cable trenches and External Works at Area F16 | 0 days | Mon 14/8/23 | Mon 14/8/23 | | | |
| 38 | Section G (v) - Shunt Reactor Compound and External Works at Area F17 | 0 days | Sat 3/6/23 | Sat 3/6/23 | | | |
| 39 | Section G (vi) - 275kV cable trenches and External Works at Area F18 | 0 days | Wed 1/6/22 | Wed 1/6/22 | | | |
| 40 | Section G (vii) - Flood Wall at No. 4 CW Intake Area along HUA at Area F20A | 0 days | Tue 14/2/23 | Tue 14/2/23 | | | |
| 41 | Section G (viii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20B | 0 days | Sat 30/9/23 | Sat 30/9/23 | | | |
| 42 | Section G (ix) - Bund wall modification works at South Seafront Road at Area F21 | 0 days | Fri 15/10/21 | Fri 15/10/21 | | | |
| 43 | Section G (x) - DAX Cable Diversion Works (from Part I to Part IV) | 0 days | Sun 16/7/23 | Sun 16/7/23 | | | |
| 44 | Section H - All remaining works shall be completed for reporting completion to BD and ready for OP inspection | 0 days | Sat 1/7/23 | Sat 1/7/23 | | | |
| 45 | GENERAL & PRELIMINARY | 228 days | Fri 4/12/20 | Mon 19/7/21 | | | |
| 46 | First Mobilization | 18 days | Fri 4/12/20 | Mon 21/12/20 | | | |
| 47 | Set up Temporary Site Office and Welfare Facilities | 90 days | Tue 22/12/20 | Sun 21/3/21 | | | |
| 48 | Permit Applications & Statutory Submissions | 120 days | Mon 22/3/21 | Mon 19/7/21 | | | |
| 49 | Existing Utilities scanning & Excavation Permit | 45 days | Tue 22/12/20 | Thu 4/2/21 | | | |
| 50 | Tower Crane erections | 60 days | Sun 27/12/20 | Wed 24/2/21 | | | |
| 51 | TECHNICAL SUBMISSION AND APPROVAL | 1021 days | Thu 10/12/20 | Wed 27/9/23 | | | |
| 52 | BD Approval & Consent (If required) | 0 days | Thu 10/12/20 | Thu 10/12/20 | | | |
| 53 | Submission and Approval of Master Programme | 14 days | Fri 11/12/20 | Thu 24/12/20 | | | |
| 54 | Work Execution Overall Plan submission & approval | 14 days | Fri 11/12/20 | Thu 24/12/20 | | | |
| 55 | Material Submissions and approval | 300 days | Fri 25/12/20 | Wed 20/10/21 | | | |
| 56 | Method Statement submission and approval | 300 days | Fri 25/12/20 | Wed 20/10/21 | | | |
| 57 | BIM Model, CSD & CBWD Submission & approval | 120 days | Fri 25/12/20 | Fri 23/4/21 | | | |
| 58 | Structure Steelwork Connection Design Submission & BD approval | 45 days | Tue 29/12/20 | Thu 11/2/21 | | | |
| 59 | Structure Steelwork Shop Drawing & Approval | 30 days | Fri 12/2/21 | Sat 13/3/21 | | | |
| 60 | Metal Cladding, louvre & windows submission & BD approval | 45 days | Tue 29/12/20 | Thu 11/2/21 | | | |
| 61 | Metal Cladding, louvre & windows shop drawing submission | 45 days | Fri 12/2/21 | Sun 28/3/21 | | | |
| 62 | Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres) | 120 days | Mon 29/3/21 | Mon 25/7/21 | | | |
| 63 | ELS Submission and BD approval | 90 days | Fri 11/12/20 | Wed 10/3/21 | | | |
| 64 | No. 5 Chimney windshield temporary work submission, approval & fabrication | 60 days | Fri 11/12/20 | Mon 8/2/21 | | | |
| 65 | Steel Flue Assessment Report and Design Drawings submission & approval | 60 days | Tue 9/2/21 | Fri 9/4/21 | | | |
| 66 | Folding Shutters Shop Drawing Submission & Approval | 30 days | Thu 11/2/21 | Fri 12/3/21 | | | |
| 67 | Fabrication & Delivery of Folding Shutters | 180 days | Sat 13/3/21 | Wed 8/9/21 | | | |
| 68 | Sewage Pump System Design submission & approval | 45 days | Wed 15/2/23 | Fri 31/3/23 | | | |
| 69 | Fabrication & Delivery of Sewage Pump | 180 days | Sat 1/4/23 | Wed 27/9/23 | | | |
| 70 | Other material submission & approval & delivery | 180 days | Sat 24/4/21 | Wed 20/10/21 | | | |
| 71 | Other material submission & approval & delivery | 180 days | Sat 24/4/21 | Wed 20/10/21 | | | |
| 72 | CONSTRUCTION | 1139 days | Fri 4/12/20 | Tue 16/1/24 | | | |
| 73 | Coordination with the Employer's Specialist Contractors | 562 days | Fri 15/1/21 | Sat 30/7/22 | | | |
| 74 | Installation of Puddle Pipes at C.W. outlet Culvert | 7 days | Mon 22/3/21 | Sun 28/3/21 | | | |
| 75 | Installation of Puddle Pipes at C.W. Inlet Culvert | 7 days | Thu 27/5/21 | Wed 2/6/21 | | | |
| 76 | Template setting at L12 Turbo Block Foundation | 45 days | Tue 16/11/21 | Thu 30/12/21 | | | |
| 77 | Template setting of holding down bolts at HRSG column base | 45 days | Fri 15/1/21 | Sun 28/2/21 | | | |
| 78 | I-beam / channel base installation on top of transformer foundations at Transformer Area | 45 days | Tue 1/6/21 | Thu 15/7/21 | | | |
| 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 | Wed 8/12/21 | | | |
| 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 | Sat 16/4/22 | | | |

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 L12 **Master Programme**

| ID | Task Name | Duration | Start | Finish | Gantt Chart | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|---------------------|-------------|-----|-----|
| | | | | | May | Jun | Jul |
| 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 | Sat 30/7/22 | | | |
| 82 | Installation of embedded materials such as holding down bolts for equipment foundations - Commencement | 0 days | Thu 15/4/21 | 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 | 301 days | Fri 4/12/20 | Thu 30/9/21 | | | |
| 84 | Area Possession & Clearance | 30 days | Fri 4/12/20 | Sat 2/1/21 | | | |
| 85 | Subletting / Fabrication / Delivery (both for Area F1 and Area F2) | 60 days | Sun 17/1/21 | Wed 17/3/21 | | | |
| 86 | Excavation for CW Inlet Culvert (Type D Construction Area) | 14 days | Tue 1/6/21 | Mon 14/6/21 | | | |
| 87 | Installation CW Inlet Culvert pipe | 70 days | Tue 15/6/21 | Mon 23/8/21 | | | |
| 88 | Backfill | 7 days | Tue 24/8/21 | Mon 30/8/21 | | | |
| 89 | Construction UG Utilities 2m deep below further surface | 28 days | Tue 31/8/21 | Mon 27/9/21 | | | |
| 90 | Temporary Paving and handover for plant erection | 3 days | Tue 28/9/21 | Thu 30/9/21 | | | |
| 91 | Section A1 (ii) - Supporting structures for overhead cranes of L12 MSB including the associated roof structure except the roof deferred works | 333 days | Fri 4/12/20 | Mon 1/11/21 | | | |
| 92 | Area Possession & Clearance | 45 days | Fri 4/12/20 | Sun 17/1/21 | | | |
| 93 | Subletting / Fabrication / Delivery | 210 days | Tue 23/2/21 | Mon 20/9/21 | | | |
| 94 | Complete structural steel erection | 0 days | Tue 19/10/21 | Tue 19/10/21 | | | |
| 95 | Install Crane Girders | 11 days | Tue 12/10/21 | Fri 29/10/21 | | | |
| 96 | Construction of roof slab (except defer work) | 14 days | Tue 19/10/21 | Mon 1/11/21 | | | |
| 97 | Touch up and handover for install overhead cranes | 3 days | Sat 30/10/21 | Mon 1/11/21 | | | |
| 98 | Section A2 (i) External Works including CW Inlet Culvert at Area F8A | 967 days | Fri 4/12/20 | Fri 28/7/23 | | | |
| 99 | BD consent for Sheetpile installation | 30 days | Fri 4/12/20 | Sat 2/1/21 | | | |
| 100 | Subletting / Fabrication / Delivery (both for Area F8A-F8B) | 30 days | Fri 18/12/20 | Sat 16/1/21 | | | |
| 101 | Area Possession & Clearance | 14 days | Sat 2/1/21 | Fri 15/1/21 | | | |
| 102 | Install Sheet pile | 55 days | Sat 16/1/21 | Thu 11/3/21 | | | |
| 103 | Installation of Additional sheet Pile at South of area F8A | 7 days | Sat 17/4/21 | Fri 23/4/21 | | | |
| 104 | BD Consent for ELS | 28 days | Sat 24/4/21 | Fri 21/5/21 | | | |
| 105 | ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) | 100 days | Fri 16/7/21 | Sat 23/10/21 | | | |
| 106 | Construction of Thrust Box & Manholes,etc | 15 days | Thu 16/9/21 | Thu 30/9/21 | | | |
| 107 | Backfill, UG Utilities and Road Paving | 150 days | Wed 1/3/23 | Fri 28/7/23 | | | |
| 108 | Section A2 (ii) External Works including CW Inlet Culvert at Area F8B | 1139 days | Fri 4/12/20 | Tue 16/1/24 | | | |
| 109 | Area Possession & Clearance | 30 days | Mon 1/3/21 | Tue 30/3/21 | | | |
| 110 | BD consent for Sheetpile installation | 30 days | Fri 4/12/20 | Sat 2/1/21 | | | |
| 111 | Install Sheet pile | 90 days | Fri 2/4/21 | Wed 30/6/21 | | | |
| 112 | BD Consent for ELS | 28 days | Thu 1/7/21 | Wed 28/7/21 | | | |
| 113 | ELS and install CW Inlet Pipe | 100 days | Thu 29/7/21 | Fri 5/11/21 | | | |
| 114 | Construction of Thrust Box & Manholes,etc | 15 days | Wed 1/9/21 | Wed 15/9/21 | | | |
| 115 | Backfill, UG Utilities and Road Paving | 200 days | Sat 1/7/23 | Tue 16/1/24 | | | |
| 116 | Section A2 (iii) External Works including CW Inlet Culvert at Area F8C | 961 days | Fri 12/3/21 | Sat 28/10/23 | | | |
| 117 | Area Possession & Clearance | 30 days | Fri 12/3/21 | Sat 10/4/21 | | | |
| 118 | Subletting / Fabrication / Delivery (for Area F8C) | 60 days | Fri 12/3/21 | Mon 10/5/21 | | | |
| 119 | BD consent for Sheetpile installation | 30 days | Tue 13/4/21 | Wed 12/5/21 | | | |
| 120 | Install Sheet pile | 62 days | Thu 13/5/21 | Tue 13/7/21 | | | |
| 121 | BD Consent for ELS | 35 days | Wed 14/7/21 | Tue 17/8/21 | | | |
| 122 | ELS and install CW Inlet Pipe (including soil nail installation under 19/83014) | 76 days | Wed 18/8/21 | Thu 20/1/22 | | | |
| 123 | Construction of Thrust Box & Manholes,etc | 30 days | Fri 21/1/22 | Sat 19/2/22 | | | |
| 124 | Backfill, UG Utilities and Road Paving | 150 days | Thu 1/6/23 | Sat 28/10/23 | | | |
| 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 | Wed 15/12/21 | | | |
| 126 | Area Possession & Clearance | 30 days | Fri 4/12/20 | Sat 2/1/21 | | | |
| 127 | Subletting / Fabrication / Delivery | 120 days | Fri 25/12/20 | Fri 23/4/21 | | | |
| 128 | Complete CW Pipe Installation & Thrust box | 45 days | Tue 25/5/21 | Thu 8/7/21 | | | |
| 129 | Backfill | 30 days | Fri 9/7/21 | Sat 7/8/21 | | | |
| 130 | Construction of Storm Drain & Manholes | 67 days | Mon 20/9/21 | Thu 25/11/21 | | | |
| 131 | Temp Paving and handover for Condenser Move in | 20 days | Fri 26/11/21 | Wed 15/12/21 | | | |
| 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 | Thu 30/9/21 | | | |
| 133 | Area Possession & Clearance | 30 days | Fri 1/1/21 | Sat 30/1/21 | | | |
| 134 | Subletting / Fabrication / Delivery (for F6B Civil and E&M) | 120 days | Sat 2/1/21 | Sat 1/5/21 | | | |
| 135 | Construction of Underground pits | 35 days | Tue 8/6/21 | Mon 12/7/21 | | | |
| 136 | Excavation & Construct Pile Caps & Tie Beams & Piers | 86 days | Mon 8/3/21 | Thu 19/8/21 | | | |
| 137 | Installation of Pipe Pile for HRSg foundation (VO) | 48 days | Thu 25/3/21 | Tue 11/5/21 | | | |
| 138 | Construction HRSg & Gas Duct foundations | 112 days | Fri 7/5/21 | Fri 3/9/21 | | | |
| 139 | Construction of HRSg Equipment Room incl. ABWF & BS (except T&C) | 64 days | Tue 4/5/21 | Thu 30/9/21 | | | |
| 140 | Construction underground utilities within HRSg | 55 days | Mon 19/7/21 | Sat 11/9/21 | | | |
| 141 | Backfill & Construction on-grade slabs & RC plinths on top | 14 days | Fri 30/7/21 | Mon 27/9/21 | | | |
| 142 | Backfill and Temporary paving | 21 days | Fri 10/9/21 | Thu 30/9/21 | | | |
| 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 | Mon 15/11/21 | | | |
| 144 | Area Possession and Clearance at Area F6A | 30 days | Fri 1/1/21 | Sat 30/1/21 | | | |
| 145 | Subletting / Fabrication / Delivery (for Area F6A and F6C civil) | 90 days | Sat 2/1/21 | Thu 1/4/21 | | | |
| 146 | Construction of Underground pits (HRSg Blowdown sump pit) | 110 days | Sat 2/1/21 | Wed 24/4/21 | | | |
| 147 | Excavation & Construct Pile Caps & Tie Beams & Piers | 139 days | Mon 1/2/21 | Sat 10/7/21 | | | |
| 148 | Construction underground utilities within HRSg | 55 days | Mon 19/7/21 | Sat 11/9/21 | | | |
| 149 | Construction of Underground pits (GT Oil & Chemical drain pits) | 15 days | Thu 5/8/21 | Thu 19/8/21 | | | |
| 150 | Backfill & Construction on-grade slabs & RC plinths on top | 45 days | Sun 12/9/21 | Tue 26/10/21 | | | |
| 151 | Construct RC Walls | 90 days | Thu 22/4/21 | Tue 20/7/21 | | | |
| 152 | Construction of Underground utilities at F6C | 21 days | Tue 19/10/21 | Mon 8/11/21 | | | |
| 153 | Backfill and Temporary paving | 7 days | Tue 9/11/21 | Mon 15/11/21 | | | |
| 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 | Mon 28/2/22 | | | |
| 155 | Area Possession & Clearance | 45 days | Fri 4/12/20 | Sun 17/1/21 | | | |
| 156 | Subletting / Fabrication / Delivery (Civil+ABWF+BS for MSBL12) | 150 days | Fri 25/12/20 | Sun 23/5/21 | | | |
| 157 | Complete excavation at Type A&C Construction Area | 0 days | Sun 21/3/21 | Sun 21/3/21 | | | |
| 158 | Excavation & Pile Caps & Tie Beams + Slabs (Turbo Block North) | 75 days | Sun 31/1/21 | Thu 15/4/21 | | | |
| 159 | Backfill and construction turbine block & equipment foundation | 85 days | Tue 1/6/21 | Tue 24/8/21 | | | |
| 160 | Excavation & Pile Caps & Tie Beams + Slabs (Turbo Block South) | 45 days | Sat 17/4/21 | Mon 31/5/21 | | | |
| 161 | Construction of internal drainage & on-grade slab | 90 days | Wed 1/9/21 | Mon 29/11/21 | | | |
| 162 | Construction turbine block columns and upper portion for plant embed installation | 83 days | Wed 25/8/21 | Mon 15/11/21 | | | |
| 163 | Concrete Turbine upper part foundation | 15 days | Fri 31/12/21 | Fri 14/1/22 | | | |
| 164 | Construction of Lube Oil Room | 60 days | Tue 30/11/21 | Fri 28/1/22 | | | |
| 165 | Concrete RC walls | 115 days | Tue 7/9/21 | Thu 30/12/21 | | | |
| 166 | ABFW Works | 60 days | Thu 4/11/21 | Sun 2/1/22 | | | |
| 167 | Building Services Works | 45 days | Sat 15/1/22 | Mon 28/2/22 | | | |
| 168 | Remove temporary falsework and scaffolding for installation of power generator | 13 days | Mon 7/2/22 | Sat 19/2/22 | | | |

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 L12 **Master Programme**

| ID | Task Name | Duration | Start | Finish | Gantt Chart | |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|---------------------|-------------------------|-----|
| | | | | | May | Jun |
| 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 | Wed 15/12/21 | | |
| 170 | Area Possession & Clearance | 45 days | Fri 4/12/20 | Sun 17/1/21 | | |
| 171 | Subletting / Fabrication / Delivery (for MSB L12 civil) | 150 days | Fri 25/12/20 | Sun 23/5/21 | | |
| 172 | Excavation to foundation level at ELS SP Type A & C | 80 days | Fri 1/1/21 | Sun 21/3/21 | | |
| 173 | Install CW Outlet pipe | 85 days | Mon 22/3/21 | Mon 14/6/21 | | |
| 174 | Construction of CW Outlet Box + lowest tie beam & caps | 40 days | Mon 22/3/21 | Fri 30/4/21 | | |
| 175 | Construction of pile caps & tie beams & sump pits up to +2.7mPD | 26 days | Sat 1/5/21 | Wed 26/5/21 | | |
| 176 | Backfill & Construction of CW Inlet Box + tie beams | 71 days | Thu 27/5/21 | Thu 5/8/21 | | |
| 177 | Construction of pile caps & tie beams at SunShadeCover Area | 45 days | Tue 15/6/21 | Thu 29/7/21 | | |
| 178 | Backfill and Construction ground beams & trenches | 28 days | Thu 27/5/21 | Mon 5/7/21 | | |
| 179 | Construction of indoor underground drainage | 14 days | Fri 13/8/21 | Thu 26/8/21 | | |
| 180 | Backfill & construction on-grade slabs | 60 days | Sun 1/8/21 | Wed 29/9/21 | | |
| 181 | Construction Column casting and RC walls & equipment foundations | 50 days | Thu 30/9/21 | Thu 18/11/21 | | |
| 182 | ABFW Works | 15 days | Fri 19/11/21 | Fri 3/12/21 | | |
| 183 | Building Services Works | 20 days | Fri 26/11/21 | Wed 15/12/21 | | |
| 184 | Mis. Works and Ready for condenser move in | 25 days | Wed 17/11/21 | Wed 15/12/21 | | |
| 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 | Sat 15/1/22 | | |
| 186 | Area Possession & Clearance | 30 days | Fri 4/12/20 | Sat 2/1/21 | | |
| 187 | Subletting / Fabrication / Delivery | 210 days | Fri 25/12/20 | Thu 22/7/21 | | |
| 188 | Complete substructure & Steel Erection works for MSB | 0 days | Tue 17/8/21 | Tue 17/8/21 | | |
| 189 | Construction all utilities deeper than 2m from future road level | 30 days | Wed 18/8/21 | Thu 16/9/21 | | |
| 190 | Construction of cable trenches | 30 days | Fri 17/9/21 | Sat 16/10/21 | | |
| 191 | Backfill and lay temporary paving | 91 days | Sun 17/10/21 | Sat 15/1/22 | | |
| 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 | 908 days | Fri 4/12/20 | Tue 30/5/23 | | |
| 193 | Area Possession & Clearance | 45 days | Fri 4/12/20 | Sun 17/1/21 | | |
| 194 | Subletting / Fabrication / Delivery | 120 days | Fri 25/12/20 | Fri 23/4/21 | | |
| 195 | Construction of pile caps & tie beams at Transformer Area | 180 days | Sun 31/1/21 | Thu 29/7/21 | | |
| 196 | Backfill and on-grade slab at transformer Area | 160 days | Sun 11/4/21 | Thu 7/10/21 | | |
| 197 | Construction of Fire Walls at Transformer Area | 45 days | Fri 8/10/21 | Mon 29/11/21 | | |
| 198 | Excavation & Construction Blow Down Sump pit (SP Type B) | 140 days | Wed 14/4/21 | Tue 31/8/21 | | |
| 199 | Preparation for S.Steelwork Erection | 7 days | Sat 5/6/21 | Fri 11/6/21 | | |
| 200 | Structural Delivery & Erection (Turbine Hall North fr G.L. 1-3/H->B) | 67 days | Sat 12/6/21 | Tue 17/8/21 | | |
| 201 | Structural Delivery & Erection (Equipment Floors) | 33 days | Wed 18/8/21 | Sun 19/9/21 | | |
| 202 | Structural Delivery & Erection (Turbine Hall South + East Elevation) | 47 days | Mon 20/9/21 | Fri 5/11/21 | | |
| 203 | Joint Tightening and touch up coating | 99 days | Sat 3/7/21 | Wed 24/11/21 | | |
| 204 | External Scaffolding Erection | 97 days | Thu 15/7/21 | Mon 22/11/21 | | |
| 205 | Construction 1/F RC Slab | 14 days | Mon 20/9/21 | Sun 3/10/21 | | |
| 206 | Construction 2/F RC Slab | 7 days | Mon 27/9/21 | Sun 10/10/21 | | |
| 207 | Construction 3/F RC Slab | 18 days | Thu 30/9/21 | Sun 17/10/21 | | |
| 208 | Construction 4/F RC Slab | 7 days | Thu 7/10/21 | Sun 24/10/21 | | |
| 209 | Construction 5/F RC Slab | 44 days | Mon 25/10/21 | Tue 7/12/21 | | |
| 210 | Construction 6/F RC Slab | 14 days | Wed 1/12/21 | Tue 14/12/21 | | |
| 211 | Construction Upper Roof RC Slab | 10 days | Sun 12/12/21 | Fri 24/12/21 | | |
| 212 | Construction Main Roof RC Slab | 39 days | Tue 12/10/21 | Fri 19/11/21 | | |
| 213 | Construction Defer Roof RC Slab (G.L. G-H) | 16 days | Sun 28/11/21 | Mon 13/12/21 | | |
| 214 | Construction of Staircase ST-01 & lift shaft & machine room | 130 days | Fri 27/8/21 | Mon 3/1/22 | | |
| 215 | Construction M/F RC Slab | 14 days | Fri 1/10/21 | Thu 14/10/21 | | |
| 216 | Lift Installation | 90 days | Thu 9/2/23 | Tue 9/5/23 | Lift Installation | |
| 217 | Construction of Staircase ST-02 except defer work | 68 days | Mon 1/10/21 | Fri 24/12/21 | | |
| 218 | Construction of RC plinth, kerbs & parapet Walls | 40 days | Sat 20/11/21 | Wed 29/12/21 | | |
| 219 | Erection of Skylight & Roof Features | 50 days | Fri 26/11/21 | Fri 14/1/22 | | |
| 220 | Waterproofing & Flooring at Roof | 34 days | Thu 30/12/21 | Thu 17/2/22 | | |
| 221 | ABFW Works | 600 days | Fri 8/10/21 | Tue 30/5/23 | ABFW Works | |
| 222 | Building Services Works | 550 days | Tue 16/11/21 | Fri 19/5/23 | Building Services Works | |
| 223 | Metal Cladding, Windows and Louvres incl. roof feature | 535 days | Mon 23/8/21 | Wed 8/2/23 | | |
| 224 | Removal of external scaffolding | 460 days | Wed 1/12/21 | Sun 5/3/23 | | |
| 225 | Installation of Catwalk at south elevation | 90 days | Thu 1/9/22 | Wed 14/12/22 | | |
| 226 | Cladding, ABWF & BS Works | 60 days | Thu 15/12/22 | Sun 12/2/23 | | |
| 227 | Removal of temporary works & clearance for plant erection contractor | 30 days | Sat 14/1/23 | Sun 12/2/23 | | |
| 228 | Section C - (iii) Link Bridge between L11 and L12 MSB including their associated A&A at L11 MSB | 885 days | Fri 4/12/20 | Sun 7/5/23 | | |
| 229 | BD Consent | 0 days | Fri 4/12/20 | Fri 4/12/20 | | |
| 230 | Subletting / Fabrication / Delivery (For BS and ABWF) | 250 days | Fri 25/12/20 | Tue 31/8/21 | | |
| 231 | Clearing Works and plant set-up | 30 days | Fri 3/12/21 | Sat 1/1/22 | | |
| 232 | Dismantle of north scaffold for link bridge erection | 0 days | Tue 25/1/22 | Tue 25/1/22 | | |
| 233 | A&A works at South of L11 MSB | 30 days | Fri 3/12/21 | Sat 1/1/22 | | |
| 234 | Erection of link bridge structural steel | 30 days | Sun 2/1/22 | Mon 31/1/22 | | |
| 235 | Casting of bridge deck | 11 days | Tue 1/2/22 | Fri 11/2/22 | | |
| 236 | Metal roofing installation | 30 days | Wed 22/2/23 | Thu 23/3/23 | | |
| 237 | ABWF work | 15 days | Fri 24/3/23 | Fri 7/4/23 | | |
| 238 | BS Works | 30 days | Sat 8/4/23 | Sun 7/5/23 | BS Works | |
| 239 | Ready for power cable laying work by others | 0 days | Sun 10/4/22 | Sun 10/4/22 | | |
| 240 | Section D - (ii) No. 5 Chimney with L12 Steel Flue Liner | 902 days | Fri 1/1/21 | Wed 21/6/23 | | |
| 241 | Area Possession & Clearance | 45 days | Fri 1/1/21 | Sun 14/2/21 | | |
| 242 | Subletting / Fabrication / Delivery (For Civil and BS for Microwave Antenna and Equipment) | 120 days | Fri 8/1/21 | Fri 7/5/21 | | |
| 243 | Excavation & Pile Cap & Backfill | 90 days | Sat 2/1/21 | Thu 1/4/21 | | |
| 244 | Tower Crane erection | 30 days | Tue 11/5/21 | Wed 9/6/21 | | |
| 245 | Construction of Wind Shield + clearance for internal floors and flue+Ground slab | 308 days | Fri 2/4/21 | Mon 4/4/22 | | |
| 246 | Structural steel fabrication & Delivery for floors and staircase | 415 days | Mon 3/1/22 | Tue 21/2/23 | | |
| 247 | Erection of steel floors | 79 days | Tue 19/4/22 | Wed 6/7/22 | | |
| 248 | Construction of G/F room incl. Microwave Antenna Rm | 45 days | Thu 7/7/22 | Sat 20/8/22 | | |
| 249 | Construction of 1/F RC slab | 8 days | Sat 13/8/22 | Sat 20/8/22 | | |
| 250 | Construction of 2/F RC Slab | 8 days | Fri 5/8/22 | Fri 12/8/22 | | |
| 251 | Construction of 3/F RC slab | 8 days | Thu 28/7/22 | Thu 4/8/22 | | |
| 252 | Construction of 4/F RC slab | 8 days | Thu 7/7/22 | Thu 14/7/22 | | |
| 253 | Construction of Roof RC slab | 61 days | Tue 21/6/22 | Sat 20/8/22 | | |
| 254 | Removal of tower Crane | 7 days | Sun 21/8/22 | Sat 27/8/22 | | |
| 255 | Steel Flue fabrication and delivery | 145 days | Sat 5/3/22 | Wed 27/7/22 | | |
| 256 | Set up for steel flue installation | 60 days | Tue 5/7/22 | Fri 2/9/22 | | |
| 257 | Lift & install steel flue liner + cladding works | 200 days | Thu 28/7/22 | Mon 12/2/23 | | |
| 258 | Lift Installation | 120 days | Wed 22/2/23 | Wed 21/6/23 | Lift Installation | |
| 259 | Installation Louvre & Doors | 60 days | Mon 13/2/23 | Thu 13/4/23 | | |
| 260 | Mis works. Demobilization and ready for gas duct connection | 17 days | Thu 5/1/23 | Sat 21/1/23 | | |
| 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 | Fri 10/6/22 | | |
| 262 | Completion of Microwave Antenna Room | 0 days | Tue 1/3/22 | Tue 1/3/22 | | |
| 263 | Remaining ABWF & BS Works | 100 days | Thu 3/3/22 | Fri 10/6/22 | | |
| 264 | Section E - (i) Administration and Control Building (Transformer Room) | 332 days | Fri 4/12/20 | Sun 31/10/21 | | |
| 265 | Area Possession & Clearance + BD consent | 60 days | Fri 4/12/20 | Mon 1/2/21 | | |
| 266 | Subletting / Fabrication / Delivery (For Civil+BS+ABWF) | 100 days | Tue 2/2/21 | Wed 12/5/21 | | |

MASTER PROGRAMME
Rev 1-B23 Aug 2021




Task Split Milestone Summary

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

Master Programme

| ID | Task Name | Duration | Start | Finish | May | Jun | Jul |
|-----|----------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|---------------------|-----|-----|-----|
| 267 | Excavation works | 45 days | Fri 4/12/20 | Sun 17/1/21 | | | |
| 268 | Main Earth Grid Installation | 45 days | Sun 3/1/21 | Tue 16/2/21 | | | |
| 269 | Pile cap and Tie Beam | 45 days | Sun 3/1/21 | Tue 16/2/21 | | | |
| 270 | Tower Crane Erection and modification works | 49 days | Wed 10/2/21 | Tue 30/3/21 | | | |
| 271 | Substructure + Bearing walls + On grade slabs | 115 days | Wed 17/2/21 | Fri 11/6/21 | | | |
| 272 | Construction of RC up to 1/F incl. staircases | 69 days | Sat 12/6/21 | Thu 19/6/21 | | | |
| 273 | ABWF at G/F | 52 days | Fri 10/9/21 | Sun 31/10/21 | | | |
| 274 | Section E (ii) Handover G/F, 1/F, 2/F & Hoisting Well | 452 days | Fri 4/12/20 | Mon 28/2/22 | | | |
| 275 | Cleaning Works and plant set-up | 21 days | Sun 31/10/21 | Sat 20/11/21 | | | |
| 276 | Subletting / Fabrication / Delivery (For NSC Lift) | 180 days | Sun 3/1/21 | Sat 31/7/21 | | | |
| 277 | Construction of RC up to 2/F incl. staircases | 25 days | Sat 14/8/21 | Mon 13/9/21 | | | |
| 278 | Construction of RC up to 3/F incl. staircases | 20 days | Thu 2/9/21 | Tue 21/9/21 | | | |
| 279 | Temporary Hoist erection | 14 days | Wed 22/9/21 | Tue 5/10/21 | | | |
| 280 | Construction of RC up to 4/F incl. staircases | 20 days | Thu 16/9/21 | Tue 5/10/21 | | | |
| 281 | Construction of RC up to R/F incl. staircases | 25 days | Thu 30/9/21 | Sun 24/10/21 | | | |
| 282 | Construction of RC up to lift machine room | 21 days | Mon 25/10/21 | Sun 14/11/21 | | | |
| 283 | Construction of RC up to UR/F | 21 days | Mon 15/11/21 | Sun 5/12/21 | | | |
| 284 | External Wall Finish, Cladding + Windows and Louvres + Features | 500 days | Thu 30/9/21 | Sat 11/2/23 | | | |
| 285 | ABWF at 1/F | 95 days | Fri 8/10/21 | Mon 10/1/22 | | | |
| 286 | ABWF at 2/F | 96 days | Fri 15/10/21 | Tue 18/1/22 | | | |
| 287 | Building Services Works at G/F, 1/F, 2/F & Hoisting Well | 147 days | Tue 5/10/21 | Mon 28/2/22 | | | |
| 288 | Section E (iii) Whole of Administration and Control Building | 513 days | Sat 23/10/21 | Sun 19/3/23 | | | |
| 289 | Subletting / Fabrication / Delivery (For BS+ABWF) | 127 days | Sat 23/10/21 | Sun 20/3/22 | | | |
| 290 | Construction of New UG Grey Water Tank | 60 days | Mon 21/3/22 | Thu 19/5/22 | | | |
| 291 | Submission of WW046 for commencement | 60 days | Wed 19/1/22 | Sat 19/3/22 | | | |
| 292 | ABWF at 3/F | 500 days | Mon 25/10/21 | Wed 8/3/23 | | | |
| 293 | ABWF at 4/F | 470 days | Wed 24/11/21 | Wed 8/3/23 | | | |
| 294 | ABWF at R/F | 470 days | Wed 24/11/21 | Wed 8/3/23 | | | |
| 295 | ABWF at UR/F + Lift Machine Room | 35 days | Wed 1/2/23 | Mon 13/3/23 | | | |
| 296 | Bridge Erection & Connection | 28 days | Wed 9/3/22 | Wed 27/4/22 | | | |
| 297 | Installation of Raised floors | 60 days | Thu 9/12/21 | Sun 6/2/22 | | | |
| 298 | Removal of external scaffolding | 45 days | Sat 21/1/23 | Tue 14/3/23 | | | |
| 299 | Waterproofing & screeding | 440 days | Mon 6/12/21 | Sat 18/2/23 | | | |
| 300 | Removal of Tower Crane | 7 days | Thu 31/3/22 | Wed 6/4/22 | | | |
| 301 | External utilities and road work | 45 days | Fri 20/1/22 | Tue 7/5/22 | | | |
| 302 | Building Services Works | 450 days | Sat 4/12/21 | Sun 26/2/23 | | | |
| 303 | False ceiling after BS works | 54 days | Sun 15/1/23 | Sat 11/3/23 | | | |
| 304 | Submission of WW046 for completion | 360 days | Wed 9/3/22 | Fri 3/3/23 | | | |
| 305 | Submission of FS inspection | 14 days | Fri 3/3/23 | Fri 17/3/23 | | | |
| 306 | Submission for OP Inspection | 14 days | Wed 8/3/23 | Tue 21/3/23 | | | |
| 307 | Section F (i) - Gas Receiving Station and L12 Gas Receiving Station Equipment Room (GRS) Area Extension at Area F14 | 678 days | Tue 1/6/21 | Sun 9/4/23 | | | |
| 308 | Area Possession & Clearance + BD consent | 90 days | Tue 1/6/21 | Sun 29/8/21 | | | |
| 309 | Subletting / Fabrication / Delivery | 30 days | Tue 22/6/21 | Wed 21/7/21 | | | |
| 310 | Installation of pipe pile at north of GRS (VO) | 125 days | Mon 5/7/21 | Sat 6/11/21 | | | |
| 311 | Construction Equipment room extension | 145 days | Sun 31/10/21 | Thu 24/3/22 | | | |
| 312 | Modification of existing drainage | 45 days | Fri 25/3/22 | Sun 8/5/22 | | | |
| 313 | Excavation & earthing for Skid foundations | 21 days | Mon 9/5/22 | Sun 29/5/22 | | | |
| 314 | Construction of Skid foundation | 45 days | Mon 30/5/22 | Wed 13/7/22 | | | |
| 315 | Construct underground utilities and drainage | 45 days | Thu 14/7/22 | Sat 27/8/22 | | | |
| 316 | Backfill and road works | 200 days | Sun 28/8/22 | Wed 15/3/23 | | | |
| 317 | Relocate / install new fencing for completion | 21 days | Sun 5/3/23 | Sun 26/3/23 | | | |
| 318 | Mis. Work and ready for OP inspection | 14 days | Mon 27/3/23 | Sun 9/4/23 | | | |
| 319 | Section F (ii) - Pipe and Cable rack and external work at Area F9A and F9B | 941 days | Sat 2/1/21 | Mon 31/7/23 | | | |
| 320 | BD consent + Site Possession at Area F9A & F9B | 90 days | Sat 2/1/21 | Thu 1/4/21 | | | |
| 321 | Excavation & Plate load test | 30 days | Mon 1/11/21 | Tue 30/11/21 | | | |
| 322 | Construction new footing for pipe rack | 30 days | Wed 1/12/21 | Mon 23/5/22 | | | |
| 323 | Underground utilities and road works for completion | 11 days | Thu 31/3/22 | Tue 31/5/22 | | | |
| 324 | Structural Steel fabrication & Delivery | 90 days | Sat 2/10/21 | Tue 31/5/22 | | | |
| 325 | Erection of new pipe rack | 70 days | Fri 31/12/21 | Thu 10/3/22 | | | |
| 326 | Mis. Work and ready for OP inspection | 31 days | Sat 1/7/23 | Mon 31/7/23 | | | |
| 327 | Section F (iii) - No. 5 CW Equipment Room, pipe and cable rack, external works at Area F10 | 765 days | Tue 1/6/21 | Wed 5/7/23 | | | |
| 328 | Area Possession & Clearance + BD consent | 90 days | Tue 1/6/21 | Sun 14/11/21 | | | |
| 329 | Subletting / Fabrication / Delivery For ABWF + BS | 150 days | Wed 2/6/21 | Fri 29/10/21 | | | |
| 330 | Installation of Sheet Pile (VO) | 85 days | Tue 1/6/21 | Tue 24/8/21 | | | |
| 331 | Consent for ELS Works | 28 days | Wed 25/8/21 | Tue 21/9/21 | | | |
| 332 | Excavation & Plate load test | 30 days | Wed 22/9/21 | Thu 21/10/21 | | | |
| 333 | Construction new footing for equipment room | 68 days | Thu 23/12/21 | Mon 28/2/22 | | | |
| 334 | Superstructure for equipment room | 60 days | Tue 1/3/22 | Fri 29/4/22 | | | |
| 335 | ABWF Works | 45 days | Sat 30/4/22 | Mon 13/6/22 | | | |
| 336 | BS Works | 400 days | Wed 1/6/22 | Wed 5/7/23 | | | |
| 337 | Construction RC Wall & plinths & drainage at Chlorinator area | 280 days | Wed 30/3/22 | Tue 3/1/23 | | | |
| 338 | External wall finish & remove scaffolding | 60 days | Sat 31/12/22 | Tue 28/2/23 | | | |
| 339 | Excavation & Plate load test for pipe rack extension (For F45-47 & F49) | 30 days | Sat 16/10/21 | Sun 14/11/21 | | | |
| 340 | Construction new footing for pipe rack (For F45-47 & F49) | 45 days | Mon 15/11/21 | Wed 29/12/21 | | | |
| 341 | Underground utilities and road works for completion | 31 days | Wed 1/3/23 | Fri 31/3/23 | | | |
| 342 | Structural Steel fabrication & Delivery | 90 days | Sun 12/12/21 | Fri 11/3/22 | | | |
| 343 | Backfilling and prepare for steel erection | 12 days | Mon 28/2/22 | Fri 11/3/22 | | | |
| 344 | Excavation & Plate Load test for pipe rack extension (For F48 F56) | 14 days | Wed 30/3/22 | Tue 12/4/22 | | | |
| 345 | Construction of new footing for pipe rack (For F48 & F56) | 14 days | Wed 13/4/22 | Tue 26/4/22 | | | |
| 346 | Erection of new pipe rack (For F48 & F56) | 65 days | Tue 3/5/22 | Wed 6/7/22 | | | |
| 347 | Erection of new pipe rack (For F45-47 & F49) | 70 days | Sat 12/3/22 | Fri 20/5/22 | | | |
| 348 | Mis. Work and ready for OP inspection | 56 days | Sun 7/5/23 | Wed 5/7/23 | | | |
| 349 | Section G (i) - External Work surrounding Area F11 | 254 days | Mon 20/2/23 | Tue 31/10/23 | | | |
| 350 | Area Possession & Clearance after handover from No. 5 Intake Contractor | 31 days | Wed 1/3/23 | Fri 31/3/23 | | | |
| 351 | Subletting / Fabrication / Delivery | 31 days | Mon 20/2/23 | Wed 22/3/23 | | | |
| 352 | Submission WW0046 for commencement | 31 days | Wed 1/3/23 | Fri 31/3/23 | | | |
| 353 | Construct Underground utilities and drainage | 150 days | Sat 1/4/23 | Mon 28/8/23 | | | |
| 354 | Install new FS Hydrant | 20 days | Mon 10/7/23 | Sat 29/7/23 | | | |
| 355 | Submission WW0046 for completion | 30 days | Sun 30/7/23 | Mon 28/8/23 | | | |
| 356 | Construction Road extension | 58 days | Sun 30/7/23 | Mon 25/9/23 | | | |
| 357 | Construction road paving and install fencing | 30 days | Tue 26/9/23 | Wed 25/10/23 | | | |
| 358 | Ready for OP inspection | 14 days | Wed 18/10/23 | Tue 31/10/23 | | | |
| 359 | Section G (ii) - External Works at Area F12 & F13 | 961 days | Thu 4/3/21 | Fri 20/10/23 | | | |
| 360 | Area Possession & Clearance after handover from other | 45 days | Wed 17/5/23 | Fri 30/6/23 | | | |
| 361 | Subletting / Fabrication / Delivery | 180 days | Thu 4/3/21 | Mon 30/8/21 | | | |
| 362 | Excavation | 7 days | Sat 1/7/23 | Fri 7/7/23 | | | |

MASTER PROGRAMME
Rev 1-B23 Aug 2021



Task Split Milestone Summary

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

| ID | Task Name | Duration | Start | Finish | Gantt Chart (May, Jun, Jul) | | |
|-----|---------------------------------------------------------------------------------------------------------------|-------------------|--------------------|---------------------|------------------------------------------------------------------------------------|--|--|
| 363 | Submission WWO046 for commencement | 30 days | Thu 8/6/23 | Fri 7/7/23 | Submission WWO046 for commencement | | |
| 364 | Construct Underground utilities and drainage | 60 days | Sat 8/7/23 | Tue 5/9/23 | Construct new cable trenches | | |
| 365 | Install new FS Hydrant | 15 days | Wed 6/9/23 | Wed 20/9/23 | Realignment / install new UG utilities (for DAX2, APX1, & APX3) | | |
| 366 | Submission WWO046 for completion | 30 days | Thu 21/9/23 | Fri 20/10/23 | Backfill and reinstate & ready for cable laying by others (for DAX2, APX1, & APX3) | | |
| 367 | Construction Road extension | 15 days | Thu 21/9/23 | Thu 5/10/23 | | | |
| 368 | Complete with M.S. Works for completion | 15 days | Fri 6/10/23 | Fri 20/10/23 | | | |
| 369 | Section G (iii) - FS Modification works along South Seafront Road at Area F15 | 183 days | Fri 1/4/22 | Fri 30/9/22 | | | |
| 370 | Area Possession & Clearance after handover from other | 45 days | Fri 1/4/22 | Sun 15/5/22 | | | |
| 371 | Subletting / Fabrication / Delivery | 21 days | Fri 1/4/22 | Thu 21/4/22 | | | |
| 372 | Temporary Traffic Arrangement approval | 14 days | Fri 1/4/22 | Thu 14/4/22 | | | |
| 373 | Utilities scanning and expose existing FS | 14 days | Fri 15/4/22 | Thu 28/4/22 | | | |
| 374 | Determine new FS alignment | 21 days | Fri 29/4/22 | Thu 19/5/22 | | | |
| 375 | Submission to FSD | 14 days | Fri 20/5/22 | Thu 2/6/22 | | | |
| 376 | Modification of FS | 60 days | Fri 3/6/22 | Mon 1/8/22 | | | |
| 377 | Backfill and reinstatement - report to FSD | 60 days | Tue 2/8/22 | Fri 30/9/22 | | | |
| 378 | Section G (iv) - 275kV cable trenches and External Works at Area F16 | 836 days | Sat 1/5/21 | Mon 14/8/23 | | | |
| 379 | Area Possession & Clearance | 60 days | Sat 1/5/21 | Tue 29/6/21 | | | |
| 380 | Subletting / Fabrication / Delivery | 210 days | Wed 17/11/21 | Tue 14/6/22 | | | |
| 381 | Temporary Traffic Arrangement approval | 60 days | Sat 1/5/21 | Tue 29/6/21 | | | |
| 382 | Removal of aboveground services | 60 days | Wed 30/6/21 | Sat 28/8/21 | | | |
| 383 | Utilities scanning and expose existing UU | 30 days | Sun 29/8/21 | Mon 27/9/21 | | | |
| 384 | Arrange of diversion existing UG utilities | 90 days | Tue 28/9/21 | Sun 26/12/21 | | | |
| 385 | Construct new cable trenches | 550 days | Mon 27/12/21 | Thu 29/3/23 | | | |
| 386 | Realignment / install new UG utilities | 30 days | Fri 23/6/23 | Sun 23/7/23 | | | |
| 387 | Backfill and reinstate & ready for cable laying by others | 45 days | Sat 1/7/23 | Mon 14/8/23 | | | |
| 388 | Section G (v) - Shunt Reactor Compound and External Works at Area F17 | 912 days | Fri 4/12/20 | Sat 3/6/23 | | | |
| 389 | Temporary Traffic Arrangement approval | 45 days | Fri 4/12/20 | Sun 17/1/21 | | | |
| 390 | Subletting / Fabrication / Delivery | 100 days | Fri 25/12/20 | Sat 3/4/21 | | | |
| 391 | BD approval & consent for pipe pile installation | 90 days | Fri 4/12/20 | Wed 3/3/21 | | | |
| 392 | Area Possession & Clearance | 14 days | Thu 4/3/21 | Wed 17/3/21 | | | |
| 393 | Removal of aboveground services | 21 days | Thu 18/3/21 | Wed 7/4/21 | | | |
| 394 | Utilities scanning and expose existing UU | 15 days | Thu 8/4/21 | Thu 22/4/21 | | | |
| 395 | Arrange of diversion existing UG utilities | 45 days | Fri 23/4/21 | Sun 6/6/21 | | | |
| 396 | Install pipe piles | 61 days | Sun 23/5/21 | Thu 22/7/21 | | | |
| 397 | BA14 for pipepile and BD consent for ELS | 28 days | Fri 23/7/21 | Thu 19/8/21 | | | |
| 398 | Excavation & install earthing | 35 days | Fri 20/8/21 | Thu 23/9/21 | | | |
| 399 | Construct Pipe Caps and Tie Beams | 45 days | Fri 24/9/21 | Sun 7/11/21 | | | |
| 400 | Backfill & Erect scaffold | 21 days | Mon 8/11/21 | Sun 28/11/21 | | | |
| 401 | Construction of SRC Walls | 75 days | Mon 29/11/21 | Fri 11/2/22 | | | |
| 402 | Wall finish and remove scaffolding | 380 days | Sat 12/2/22 | Sun 26/2/23 | | | |
| 403 | Construct new cable trenches | 60 days | Thu 9/2/23 | Sun 9/4/23 | | | |
| 404 | Install new UG Utilities, Backfill and reinstate & ready for cable laying by Others for DAX1 | 55 days | Thu 7/4/22 | Tue 31/5/22 | | | |
| 405 | Realignment / install new UG utilities (for DAX2, APX1 & APX3) | 30 days | Tue 4/4/23 | Thu 4/5/23 | | | |
| 406 | Backfill and reinstate & ready for cable laying by others (for DAX2, APX1, & APX3) | 30 days | Thu 4/5/23 | Sat 3/6/23 | | | |
| 407 | Section G (vi) - 375kV cable trenches and External Works at Area F18 | 397 days | Sat 1/5/21 | Wed 1/6/22 | | | |
| 408 | Temporary Traffic Arrangement approval | 45 days | Sat 1/5/21 | Mon 14/6/21 | | | |
| 409 | Subletting / Fabrication / Delivery | 60 days | Tue 15/6/21 | Fri 13/8/21 | | | |
| 410 | Area Possession & Clearance | 15 days | Sat 1/5/21 | Sat 15/5/21 | | | |
| 411 | Removal of aboveground services | 30 days | Sun 16/5/21 | Mon 14/6/21 | | | |
| 412 | Utilities scanning and expose existing UU | 45 days | Tue 15/6/21 | Thu 23/7/21 | | | |
| 413 | Arrange of diversion existing UG utilities | 60 days | Fri 30/7/21 | Mon 27/9/21 | | | |
| 414 | Construct new cable trenches | 172 days | Tue 28/9/21 | Fri 18/3/22 | | | |
| 415 | Realignment / install new UG utilities | 45 days | Sat 19/3/22 | Mon 2/5/22 | | | |
| 416 | Backfill and reinstate & ready for cable laying by others | 30 days | Tue 3/5/22 | Wed 1/6/22 | | | |
| 417 | Section G (vii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20A | 803 days | Fri 4/12/20 | Tue 14/2/23 | | | |
| 418 | Area Possession & Clearance | 30 days | Fri 4/12/20 | Sat 2/1/21 | | | |
| 419 | Subletting / Fabrication / Delivery | 60 days | Fri 25/12/20 | Mon 22/2/21 | | | |
| 420 | Temporary Traffic Arrangement approval | 300 days | Fri 4/12/20 | Wed 29/9/21 | | | |
| 421 | ELS BD approval & consent | 90 days | Fri 18/12/20 | Wed 17/3/21 | | | |
| 422 | Demolition of existing carriageway | 30 days | Thu 11/1/21 | Fri 10/12/21 | | | |
| 423 | Removal of aboveground services | 21 days | Thu 30/9/21 | Wed 20/10/21 | | | |
| 424 | Utilities scanning and expose existing UU | 21 days | Thu 21/10/21 | Wed 10/11/21 | | | |
| 425 | Arrange of diversion existing UG utilities | 30 days | Sat 11/12/21 | Sun 9/1/22 | | | |
| 426 | Excavation and construction of new Flood wall | 65 days | Mon 10/1/22 | Tue 15/3/22 | | | |
| 427 | Realignment / install new UG utilities | 30 days | Wed 16/3/22 | Thu 14/4/22 | | | |
| 428 | Backfill and construct new carriageway | 300 days | Fri 15/4/22 | Wed 8/2/23 | | | |
| 429 | Mis. Work for completion | 6 days | Thu 9/2/23 | Tue 14/2/23 | | | |
| 430 | Section G (viii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20B | 729.5 days | Fri 1/10/21 | Sat 30/9/23 | | | |
| 431 | Area Possession & Clearance | 45 days | Fri 1/10/21 | Sun 14/11/21 | | | |
| 432 | Subletting / Fabrication / Delivery | 90 days | Fri 22/10/21 | Wed 19/1/22 | | | |
| 433 | Temporary Traffic Arrangement approval | 14 days | Fri 1/10/21 | Thu 14/10/21 | | | |
| 434 | ELS BD approval & consent | 90 days | Fri 15/10/21 | Wed 12/1/22 | | | |
| 435 | Demolition of existing carriageway | 630 days | Fri 1/10/21 | Thu 22/6/23 | | | |
| 436 | Removal of aboveground services | 21 days | Tue 20/6/23 | Tue 11/7/23 | | | |
| 437 | Utilities scanning and expose existing UU | 21 days | Wed 5/7/23 | Wed 26/7/23 | | | |
| 438 | Arrange of diversion existing UG utilities | 30 days | Sun 23/7/23 | Tue 22/8/23 | | | |
| 439 | Install Sheetpiles | 55 days | Thu 10/2/22 | Tue 5/4/22 | | | |
| 440 | BA14 for sheetpile and BD consent for ELS | 28 days | Wed 6/4/22 | Tue 3/5/22 | | | |
| 441 | Excavation and construction of new Flood wall | 30 days | Wed 26/7/23 | Fri 25/8/23 | | | |
| 442 | Realignment / install new UG utilities | 15 days | Fri 25/8/23 | Sat 9/9/23 | | | |
| 443 | Backfill and construct new carriageway | 21 days | Thu 7/9/23 | Thu 28/9/23 | | | |
| 444 | Mis. Work for completion | 9 days | Thu 21/9/23 | Sat 30/9/23 | | | |
| 445 | Section G (ix) - Bund wall modification works at South Seafront Road at Area F21 | 316 days | Fri 4/12/20 | Fri 15/10/21 | | | |
| 446 | Area Possession & Clearance | 45 days | Fri 4/12/20 | Sun 17/1/21 | | | |
| 447 | Subletting / Fabrication / Delivery | 90 days | Fri 25/12/20 | Wed 24/3/21 | | | |
| 448 | Temporary Traffic Arrangement approval | 165 days | Fri 4/12/20 | Mon 17/5/21 | | | |
| 449 | ELS BD approval & consent | 0 days | Thu 17/12/20 | Thu 17/12/20 | | | |
| 450 | Demolition of existing carriageway | 14 days | Tue 18/5/21 | Mon 31/5/21 | | | |
| 451 | Removal of aboveground services | 14 days | Tue 1/6/21 | Mon 14/6/21 | | | |
| 452 | Utilities scanning and expose existing UU | 21 days | Tue 15/6/21 | Mon 5/7/21 | | | |
| 453 | Arrange of diversion existing UG utilities (include FS pipe under 17/8002) | 40 days | Tue 6/7/21 | Sat 14/8/21 | | | |
| 454 | Excavation and expose existing bund wall & demolish | 18 days | Wed 28/7/21 | Sat 14/8/21 | | | |
| 455 | Construction new bund wall for road junction | 21 days | Sat 4/9/21 | Fri 24/9/21 | | | |
| 456 | Realignment / install new UG utilities (include FS pipe under 17/8002) | 60 days | Sun 1/8/21 | Wed 29/9/21 | | | |
| 457 | Backfill and construct new carriageway | 16 days | Thu 30/9/21 | Fri 15/10/21 | | | |
| 458 | Mis. Work for completion | 5 days | Mon 11/10/21 | Fri 15/10/21 | | | |
| 459 | Section G (x) - DAX Cable Diversion Works (from Part I to Part IV) | 955 days | Fri 4/12/20 | Sun 16/7/23 | | | |
| 460 | Temporary Traffic Arrangement approval | 14 days | Fri 4/12/20 | Thu 17/12/20 | | | |
| 461 | Subletting / Fabrication / Delivery | 90 days | Fri 25/12/20 | Wed 24/3/21 | | | |
| 462 | Area Possession & Clearance | 45 days | Fri 4/12/20 | Sun 17/1/21 | | | |
| 463 | Identification of existing cable trench | 7 days | Mon 18/1/21 | Sun 24/1/21 | | | |
| 464 | Part 1 Re-excavation works incl construction of joint bay (at Water Reservoir Road) | 246 days | Mon 29/1/21 | Mon 27/9/21 | | | |
| 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 | Tue 30/11/21 | | | |
| 466 | Part 2 Re-excavation works incl joint bay | 120 days | Mon 1/11/21 | Mon 28/2/22 | | | |
| 467 | Part 3 Re-excavation works incl joint bay | 500 days | Mon 1/11/21 | Wed 15/3/23 | | | |

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

| ID | Task Name | Duration | Start | Finish | |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|---------------------|--|
| 468 | Part 4 Re-excavation works incl. joint bay & new oil tank pits | 92 days | Sat 10/1/22 | Sat 31/12/22 | |
| 469 | Backfill & Reinstatement Part 1 | 61 days | Mon 1/11/21 | Fri 31/12/21 | |
| 470 | Backfill & Reinstatement Part 2 | 61 days | Sun 1/5/22 | Thu 30/6/22 | |
| 471 | Backfill & Reinstatement Part 3 | 61 days | Wed 17/5/23 | Sun 16/7/23 | |
| 472 | Section H - All remaining works shall be completed for reporting completion to BD and ready for OP inspection (PS1.4.4) | 736.15 days | Wed 17/11/21 | Thu 23/11/23 | |
| 473 | Deferred works (MSB & HRSG) Listed in PS 1.4.4 | 539 days | Wed 17/11/21 | Tue 9/5/23 | |
| 474 | Construction of L12 HRSG 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 | Tue 4/1/22 | |
| 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 | Mon 15/8/22 | |
| 476 | Provision in associated with hoisting well | 21 days | Mon 6/6/22 | Sun 26/6/22 | |
| 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 | Wed 1/3/23 | Thu 30/3/23 | |
| 478 | Construction of metal fence and the associated Fire Services (F.S.) installations and installation of removable shelter at Transformer Area | 120 days | Tue 10/1/23 | Tue 9/5/23 | |
| 479 | Deferred works (DAX1 and DAX2) Listed in PS 1.4.4 | 151 days | Sun 1/1/23 | Wed 31/5/23 | |
| 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 12/2/23 | Fri 31/3/23 | |
| 481 | Re-excavation of whole DAX2 compartment inside existing joint bay "STJ12". | 61 days | Sun 1/1/23 | Thu 2/3/23 | |
| 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 | Sat 1/4/23 | Wed 31/5/23 | |
| 483 | Deferred works (External Work) Listed in PS 1.4.4 | 357.15 days | Thu 1/12/22 | Thu 23/11/23 | |
| 484 | Final reinstatement of access roads and pavement surrounding and within L12 MSB and L12 HRSG area | 320 days | Thu 1/12/22 | Mon 16/10/23 | |
| 485 | Installation of trench cover and road reinstatement of gas pipe and cable trenches within Area F5, F14, F16, F17 and F18. | 30 days | Sun 1/1/23 | Thu 28/9/23 | |
| 486 | Backfilling and road reinstatement of 275kV cable trenches | 60 days | Sun 1/1/23 | Thu 23/11/23 | |
| 487 | All Remaining work ready for OP inspection | 0 days | Sat 1/7/23 | Sat 1/7/23 | |
| 488 | STATORY SUBMISSION, INSPECTION & APPROVAL | 560 days | Tue 16/11/21 | Mon 29/5/23 | |
| 489 | WSD Statutory Submission, Inspection and Approval WWO Part I to III Submission / Approval | 256 days | Tue 16/11/21 | Fri 29/7/22 | |
| 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 | Tue 16/11/21 | |
| 491 | WSD: Vetting Form WWO 046 Part I and II Submission | 90 days | Wed 17/11/21 | Mon 14/2/22 | |
| 492 | WSD: Issued of Form WWO 046 Part III by WSD - FOR ACB Building | 0 days | Tue 15/2/22 | Tue 15/2/22 | |
| 493 | WSD: Prepare for 1st Amendment for Plumbing Plan | 60 days | Tue 15/2/22 | Fri 15/4/22 | |
| 494 | WSD: Submit to WSD 1st Amendment for Plumbing Plan | 0 days | Fri 15/4/22 | Fri 15/4/22 | |
| 495 | WSD: Vetting of Plumbing Plan by WSD | 60 days | Sat 16/4/22 | Tue 14/6/22 | |
| 496 | WSD: 1st Approval for Plumbing Plan by WSD | 0 days | Tue 14/6/22 | Tue 14/6/22 | |
| 497 | WSD: Prepare and Submit for Final Amendment for Plumbing Plan | 45 days | Wed 15/6/22 | Fri 29/7/22 | |
| 498 | WSD: Vetting and Final Approval for Plumbing Plan by WSD | 0 days | Fri 29/7/22 | 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 | Wed 31/8/22 | |
| 500 | WSD: Form WWO 046 Part IV Submission (FS) | 0 days | Fri 3/3/23 | Fri 3/3/23 | |
| 501 | WSD: WSD Received Form WWO046 Part IV and arrange for inspection (FS) | 7 days | Fri 3/3/23 | Thu 9/3/23 | |
| 502 | WSD: WSD Inspection (FS) | 7 days | Fri 10/3/23 | Thu 16/3/23 | |
| 503 | WSD: WWO 046 Part V Endorsement by WSD (FS) | 12 days | Fri 17/3/23 | Tue 28/3/23 | |
| 504 | WSD: WSD Processing Water Supply Connection Certificate (FS) | 7 days | Wed 29/3/23 | Tue 4/4/23 | |
| 505 | WSD: Issue by WSD Water Supply Connection Certificate (FS) | 0 days? | Tue 4/4/23 | Tue 4/4/23 | |
| 506 | WSD Statutory Submission, Inspection and Approval WWO Part IV to V Potable /Flush Water Submission / Approval | 60 days | Fri 3/3/23 | Mon 1/5/23 | |
| 507 | WSD: Form WWO 046 Part IV Submission (Fresh/Flush) | 0 days | Fri 3/3/23 | Fri 3/3/23 | |
| 508 | WSD: WSD Acknowledge Form WWO 046 | 6 days | Fri 3/3/23 | Wed 8/3/23 | |
| 509 | WSD: WSD Inspection with Testing to lead (Fresh/Fluhs) | 12 days | Thu 9/3/23 | Mon 20/3/23 | |
| 510 | WSD: Cleansing/Disinfecting Water Tanks / Piping System (Fresh/Flush) | 6 days | Tue 21/3/23 | Sun 26/3/23 | |
| 511 | WSD: Collection of Sample for Testing at Accredited Lab (Fresh/Flush) | 12 days | Mon 27/3/23 | Fri 7/4/23 | |
| 512 | WSD:Accredited Lab Testing Report of Sample to WSD | 12 days | Sat 8/4/23 | Wed 19/4/23 | |
| 513 | WSD: Vetting of Test Report by WSD | 6 days | Thu 20/4/23 | Tue 25/4/23 | |
| 514 | WSD: Issue of WWO 046 Part V (Fresh/Flush) | 0 days | Tue 25/4/23 | Tue 25/4/23 | |
| 515 | WSD: WSD Processing WWO1005 Water Certification (Fresh/Flush) | 6 days | Wed 26/4/23 | Mon 1/5/23 | |
| 516 | WSD: Issue by WSD WWO 1005 Water Certification (Fresh/Flush) | 0 days | Mon 1/5/23 | Mon 1/5/23 | |
| 517 | EMSD LIFT Statutory Submission, Inspection and Approval | 45 days | Wed 15/2/23 | Fri 31/3/23 | |
| 518 | EMSD: Submission of Lift Form LE5 to EMSD | 12 days | Wed 15/2/23 | Sun 26/2/23 | |
| 519 | EMSD: EMSD Makes arrangement for Lift Installation | 5 days | Mon 27/2/23 | Fri 3/3/23 | |
| 520 | EMSD: EMSD Inspection to Lift Installation | 14 days | Sat 4/3/23 | Fri 17/3/23 | |
| 521 | EMSD: Processing Lift Certificate (Form LE6) | 14 days | Sat 18/3/23 | Fri 31/3/23 | |
| 522 | EMSD: Lift Issuance of Form 6 (Lift Certificate) | 0 days | Fri 31/3/23 | Fri 31/3/23 | |
| 523 | HKE Transformer Final Inspection | 120 days | Sat 30/7/22 | Sat 26/11/22 | |
| 524 | TX Room: Invite HKE For Transformer Room Inspection | 7 days | Sat 30/7/22 | Fri 5/8/22 | |
| 525 | TX Room: Give Access to Transformer Room for HKE Contractor | 0 days | Fri 5/8/22 | Fri 5/8/22 | |
| 526 | TX Room: Move-IN HKE Transformer Equipments | 5 days | Sat 6/8/22 | Wed 10/8/22 | |
| 527 | TX Room: Install HKE Transformer, MEP Works & Testing | 90 days | Thu 11/8/22 | Tue 8/1/23 | |
| 528 | TX Room: HKE Power Energization / inspection | 6 days | Wed 9/11/22 | Mon 14/11/22 | |
| 529 | TX Room: Metering Installation | 12 days | Tue 15/11/22 | Sat 26/11/22 | |
| 530 | TX Room: HKE Power-ON Date | 0 days | Sat 26/11/22 | Sat 26/11/22 | |
| 531 | DSD Drainage Completion Memo | 65 days | Fri 30/6/23 | Sat 2/9/23 | |
| 532 | DSD: CCTV Survey Report on Completed Drainage | 30 days | Fri 30/6/23 | Sat 29/7/23 | |
| 533 | DSD: Submitted CCTV Report & Form HPB1 of Completed Drainage to DSD For Technical Audit | 7 days | Sun 30/7/23 | Sat 5/8/23 | |
| 534 | DSD: Completed Drainage System including TMC Inspection/Technical Audit by DSD | 14 days | Sun 6/8/23 | Sat 19/8/23 | |
| 535 | DSD: Preparation of Drainage Connection Completion Memo by DSD | 14 days | Sun 20/8/23 | Sat 2/9/23 | |
| 536 | DSD: Issue of Drainage Connection Completion Memo by DSD | 0 days | Sat 2/9/23 | Sat 2/9/23 | |
| 537 | EPD Submission, Inspection and Approval | 60 days | Wed 5/7/23 | Sun 3/9/23 | |
| 538 | EPD: License Application to EPD under APCO (Cap 311) for Generator Sets | 0 days | Wed 5/7/23 | Wed 5/7/23 | |
| 539 | EPD: Vetting of Application by EPD under APCO (Cap 311) for Generator Sets | 60 days | Thu 6/7/23 | Sun 3/9/23 | |
| 540 | EPD: Approval from EPD under APCO (Cap 311) for Generator Sets Installation | 0 days | Sun 3/9/23 | Sun 3/9/23 | |
| 541 | FSD VAC Statutory Submission, Inspection and Approval | 150 days | Wed 20/7/22 | Fri 16/12/22 | |
| 542 | Preparation of FSD VAC Drawings and Submission to HEC | 60 days | Wed 20/7/22 | Sat 17/9/22 | |
| 543 | HEC: Review and Approval | 30 days | Sun 18/9/22 | Mon 17/10/22 | |
| 544 | Preparation of VAC Drawings and Submission to FSD | 30 days | Tue 18/10/22 | Wed 16/11/22 | |
| 545 | FSD: Review and Approval | 30 days | Thu 17/11/22 | Fri 16/12/22 | |
| 546 | FSD Statutory Submission, Inspection and Approval | 91 days | Sun 15/1/23 | Sat 15/4/23 | |
| 547 | FSD: Testing and Commissioning (Individual System - FSI Related) | 45 days | Sun 15/1/23 | Tue 28/2/23 | |
| 548 | FSD: All Sections FS Ingration Test by NSC_BS | 15 days | Wed 1/3/23 | Wed 15/3/23 | |
| 549 | FSD: Completion of FS Integration Test by NSC_BS for FS314/501 | 0 days | Wed 15/3/23 | Wed 15/3/23 | |
| 550 | FSD: Submit Form 213/314 & Form 501 Request for Inspection | 0 days | Wed 15/3/23 | Wed 15/3/23 | |
| 551 | FSD: FSD Makes Arrangement for Inspection | 7 days | Thu 16/3/23 | Wed 22/3/23 | |
| 552 | FSD: FSD Inspection | 12 days | Thu 23/3/23 | Mon 3/4/23 | |
| 553 | FSD: Completion of FS Inspection | 0 days | Mon 3/4/23 | Mon 3/4/23 | |
| 554 | FSD: FSD Processing FS Certificate Form 172 | 12 days | Tue 4/4/23 | Sat 15/4/23 | |
| 555 | FSD: Issue of Fire Services FS Certificate Form 172 | 0 days | Sat 15/4/23 | Sat 15/4/23 | |
| 556 | PRACTICAL COMPLETION | 216 days | Sun 16/4/23 | Fri 17/11/23 | |
| 557 | BD Inspection | 97 days | Sun 16/4/23 | Fri 21/7/23 | |
| 558 | BD: Application Form BA13 for OP Application | 21 days | Sun 16/4/23 | Sat 6/5/23 | |
| 559 | BD: BD Inspection Date | 15 days | Sun 7/5/23 | Sun 21/5/23 | |
| 560 | BD: Reinspection date with defects and rectification works | 60 days | Mon 22/5/23 | Thu 20/7/23 | |

MASTER PROGRAMME
Rev 1-B23 Aug 2021

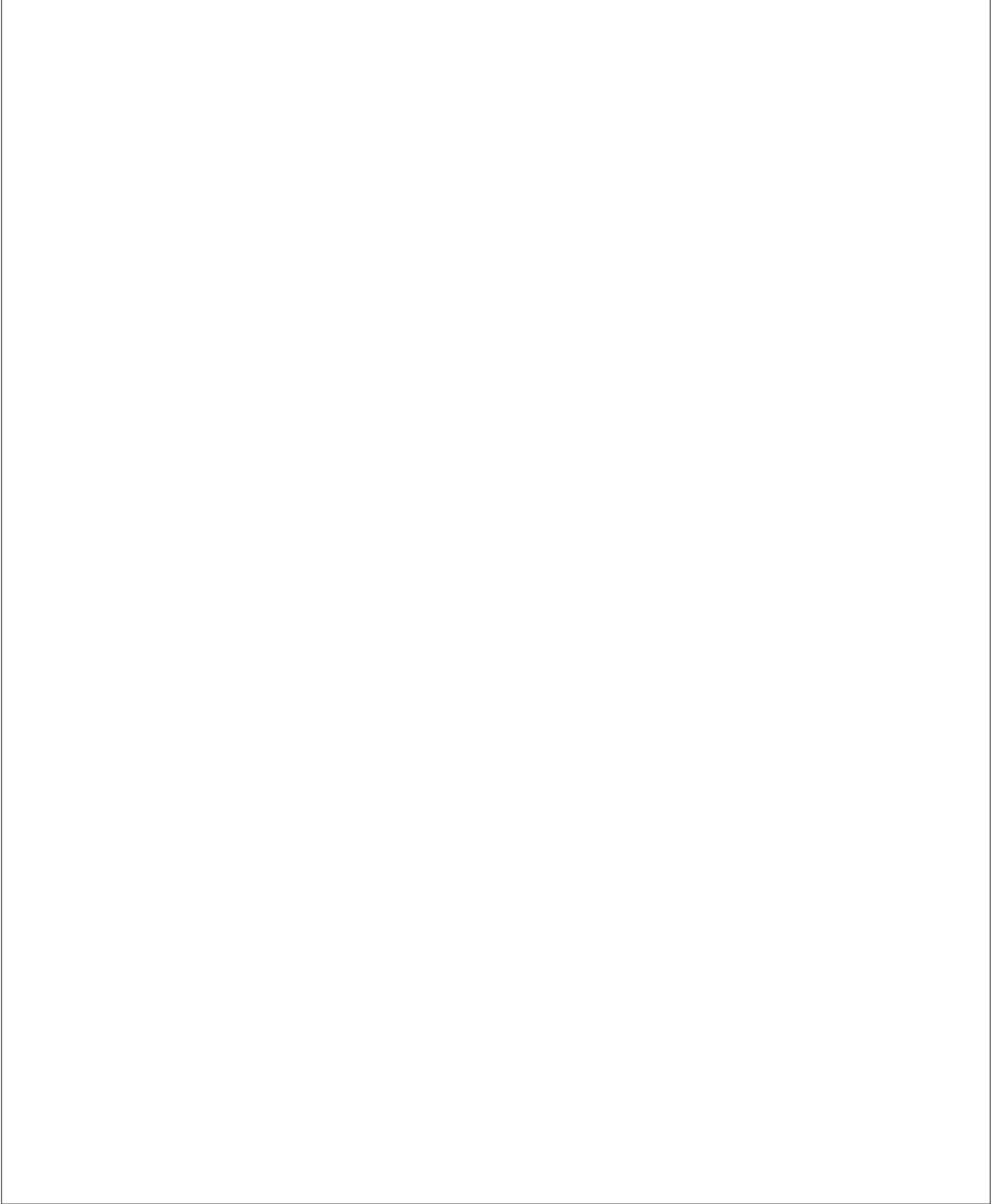


Task Split Milestone Summary

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

| ID | Task Name | Duration | Start | Finish | |
|-----|-----------------------------------------------------------------------|-----------------|---------------------|---------------------|--|
| 561 | BD: Obtain Occupation Permit (OP) from BD | 1 day | Fri 21/7/23 | Fri 21/7/23 | |
| 562 | As-Built Drawings & Handover Documentation | 120 days | Mon 1/5/23 | Mon 28/8/23 | |
| 563 | Prepare and Submit As-Built Drawings & Handover Documentation | 45 days | Mon 1/5/23 | Wed 14/6/23 | |
| 564 | Review and Approval | 45 days | Thu 15/6/23 | Sat 29/7/23 | |
| 565 | As-Built Drawings & Handover Documentation - Revision by MC | 30 days | Sun 30/7/23 | Mon 28/8/23 | |
| 566 | Revised As-Built Drawings & Handover Documentation - Final Submission | 0 days | Mon 28/8/23 | Mon 28/8/23 | |
| 567 | Completion of the Whole Contract Works | 119 days | Sat 22/7/23 | Fri 17/11/23 | |
| 568 | 1st Client Inspection for Review and Comments | 30 days | Sat 22/7/23 | Sun 20/8/23 | |
| 569 | Defects and Rectification works | 60 days | Mon 21/8/23 | Thu 19/10/23 | |
| 570 | 2nd Client Inspection | 14 days | Fri 20/10/23 | Thu 2/11/23 | |
| 571 | Minor Defects Rectification Works and Final Inspection | 15 days | Fri 3/11/23 | Fri 17/11/23 | |
| 572 | PRACTICAL COMPLETION | 0 days | Fri 17/11/23 | Fri 17/11/23 | |



| ID | Task Name | Duration | Start | Finish | 2nd Quarter | | | |
|----|-------------------------------------------------------------------------------------------------------|-----------------|---------------------|---------------------|-------------|-----|-----|-----|
| | | | | | Apr | May | Jun | Jul |
| 1 | 19-83014 - Civil Works for No. 5 C.W. Intake and Cable Bridge at Lamma Power Station Extension | 363 days | Fri 22/7/22 | Fri 18/8/23 | | | | |
| 2 | No. 5 C.W. Intake | 363 days | Fri 22/7/22 | Fri 18/8/23 | | | | |
| 3 | Delivery of Precast No. 5 Intake Chamber | 3 days | Fri 22/7/22 | Sun 24/7/22 | | | | |
| 4 | Installation of Precast No. 5 Intake Chamber | 2 days | Mon 25/7/22 | Tue 26/7/22 | | | | |
| 5 | Prepare formation level for reinstall culvert | 18 days | Wed 27/7/22 | Sat 13/8/22 | | | | |
| 6 | Reinstate of culvert | 7 days | Mon 15/8/22 | Sun 21/8/22 | | | | |
| 7 | Reinstate of seawall block | 28 days | Mon 22/8/22 | Sun 18/9/22 | | | | |
| 8 | Backfill at East Side | 20 days | Mon 19/9/22 | Sat 8/10/22 | | | | |
| 9 | Reinstate of seawall coping | 30 days | Thu 3/11/22 | Fri 2/12/22 | | | | |
| 10 | Temporary backfill for access at east of Intake Chamber | 10 days | Sat 3/12/22 | Mon 12/12/22 | | | | |
| 11 | Handover back from erection contractor at Intake Road | 1 day | Mon 15/5/23 | Mon 15/5/23 | | | | |
| 12 | UU works and reinstatement of Intake Road | 66 days | Tue 16/5/23 | Tue 15/8/23 | | | | |
| 13 | Steel Parapet along seawall | 37 days | Sat 4/3/23 | Sun 9/4/23 | | | | |
| 14 | Delivery of steel parapet (Removed for Chamber installation portion) | 1 day | Sat 4/3/23 | Sat 4/3/23 | | | | |
| 15 | Installation of steel parapet (Removed for chamber installation portion) | 7 days | Sun 19/3/23 | Sat 25/3/23 | | | | |
| 16 | Removal of existing steel parapet for replacement | 7 days | Sun 26/3/23 | Sat 1/4/23 | | | | |
| 17 | Installation of steel parapet (Replacement) | 21 days | Sun 2/4/23 | Sat 22/4/23 | | | | |
| 18 | Steel Gantry Frame above Bar Screen Chamber | 21 days | Sat 15/4/23 | Fri 5/5/23 | | | | |
| 19 | Delivery of steel members | 1 day | Sat 15/4/23 | Sat 15/4/23 | | | | |
| 20 | Installation of gantry frame | 20 days | Sun 16/4/23 | Fri 5/5/23 | | | | |
| 21 | Bollard & Fender | 141 days | Wed 1/3/23 | Fri 18/8/23 | | | | |
| 22 | Confirmation and order of bollard and fender | 1 day | Wed 1/3/23 | Wed 1/3/23 | | | | |
| 23 | Fabrication and delivery of bollard & fender | 90 days | Thu 2/3/23 | Fri 9/6/23 | | | | |
| 24 | Installation of bollard (1 no.) | 1 day | Mon 12/6/23 | Mon 12/6/23 | | | | |
| 25 | Rebar fixing & Concreting | 2 days | Tue 13/6/23 | Wed 14/6/23 | | | | |
| 26 | Removal of existing fender | 15 days | Mon 12/6/23 | Fri 30/6/23 | | | | |
| 27 | Installation of fender | 35 days | Mon 3/7/23 | Fri 18/8/23 | | | | |
| 28 | In-situ Construction Work for Intake Chamber | 266 days | Sat 20/8/22 | Tue 16/5/23 | | | | |
| 29 | Backfilling Work between Pipepile and Intake Chamber External Wall | 19 days | Sat 20/8/22 | Wed 7/9/22 | | | | |
| 33 | Backfilling at Discharge Valve Chamber | 10 days | Fri 9/9/22 | Sun 18/9/22 | | | | |
| 34 | Installation of Concrete Block inside/ on intake chamber/ culvert | 25 days | Tue 23/8/22 | Fri 16/9/22 | | | | |
| 35 | Removal of Internal Strut/ King Post | 28 days | Sat 20/8/22 | Fri 16/9/22 | | | | |
| 36 | Dewatering in Chamber Internal Side | 3 days | Tue 20/9/22 | Thu 22/9/22 | | | | |
| 37 | Corrosion Protection of Rebar | 8 days | Fri 23/9/22 | Fri 30/9/22 | | | | |
| 38 | Construction of Intake Chamber External Wall to Level +5.70mPD | 189 days | Sun 28/8/22 | Sat 4/3/23 | | | | |
| 39 | Erection of Scaffolding Supporting Bracket | 48 days | Sun 28/8/22 | Fri 14/10/22 | | | | |
| 44 | Installation of Scaffolding | 51 days | Sat 3/9/22 | Sun 23/10/22 | | | | |
| 45 | Chamber Internal Side | 51 days | Sat 3/9/22 | Sun 23/10/22 | | | | |
| 50 | Chamber External Side | 51 days | Sat 3/9/22 | Sun 23/10/22 | | | | |
| 55 | Rebar Fixing & Formwork | 58 days | Thu 8/9/22 | Fri 4/11/22 | | | | |
| 59 | Concreting | 18 days | Thu 29/9/22 | Sun 16/10/22 | | | | |
| 63 | Wall construction at Penstock Chamber | 132 days | Mon 24/10/22 | Sat 4/3/23 | | | | |
| 64 | External wall | 14 days | Mon 24/10/22 | Sun 6/11/22 | | | | |
| 65 | W29 | 5 days | Mon 7/11/22 | Fri 11/11/22 | | | | |
| 66 | W26 | 5 days | Sat 12/11/22 | Wed 16/11/22 | | | | |
| 67 | W4C | 5 days | Mon 7/11/22 | Fri 11/11/22 | | | | |
| 68 | W28 | 10 days | Thu 17/11/22 | Sat 26/11/22 | | | | |
| 69 | W25 | 10 days | Sun 27/11/22 | Tue 6/12/22 | | | | |
| 70 | W4B | 10 days | Wed 7/12/22 | Fri 16/12/22 | | | | |
| 71 | W27,W24 & W4A | 10 days | Thu 23/2/23 | Sat 4/3/23 | | | | |
| 72 | Excavation and installation of CW culvert pipes | 45 days | Sat 15/10/22 | Mon 28/11/22 | | | | |
| 76 | On grade slab & plinths construction at west of Intake Chamber | 14 days | Tue 29/11/22 | Mon 12/12/22 | | | | |
| 77 | Construction of trash pit & RC footings for hoist support | 136 days | Wed 16/11/22 | Fri 31/3/23 | | | | |

Project: 19-83014 - No. 5 Intake and Cable Br
 Date: 26 Feb 2023
 Rev. 9 - Programme for No. 5 C.W. Intake

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

| ID | Task Name | Duration | Start | Finish | 2nd Quarter | | | |
|-----|------------------------------------------------------------------------------|----------|--------------|--------------|-------------|-----|-----|-----|
| | | | | | Apr | May | Jun | Jul |
| 78 | Backfill to bottom level of trash pit at south of Intake Chamber | 7 days | Wed 16/11/22 | Tue 22/11/22 | | | | |
| 79 | RC works for trash pit & hoist support footings | 30 days | Mon 6/2/23 | Tue 7/3/23 | | | | |
| 80 | Backfill to ground level at south of Intake Chamber | 4 days | Wed 8/3/23 | Sat 11/3/23 | | | | |
| 81 | On grade slab & plinths construction at south of Intake Chamber | 20 days | Sun 12/3/23 | Fri 31/3/23 | | | | |
| 82 | North Chamber (L12) | 91 days | Fri 23/9/22 | Thu 22/12/22 | | | | |
| 83 | W11, W12 & W23 | 50 days | Fri 23/9/22 | Fri 11/11/22 | | | | |
| 84 | 1st Layer (-5.5mPD to -4.6mPD) | 20 days | Fri 23/9/22 | Wed 12/10/22 | | | | |
| 89 | 2nd Layer (-4.8mPD to -0.875mPD) | 10 days | Thu 13/10/22 | Sat 22/10/22 | | | | |
| 94 | 3rd Layer (-0.875mPD to 2.65mPD) | 13 days | Sun 23/10/22 | Fri 4/11/22 | | | | |
| 99 | 4th Layer (2.65mPD to 5.7mPD) | 7 days | Sat 5/11/22 | Fri 11/11/22 | | | | |
| 104 | W10a-d & W20 | 46 days | Fri 30/9/22 | Mon 14/11/22 | | | | |
| 105 | 1st Layer (-5.5mPD to -4.6mPD) | 13 days | Fri 30/9/22 | Wed 12/10/22 | | | | |
| 110 | 2nd Layer (-4.8mPD to -0.375mPD) | 19 days | Thu 13/10/22 | Mon 31/10/22 | | | | |
| 115 | 3rd Layer (-0.375mPD to 3.15mPD) | 8 days | Tue 1/11/22 | Tue 8/11/22 | | | | |
| 120 | 4th Layer (3.1mPD to 5.7mPD) | 6 days | Wed 9/11/22 | Mon 14/11/22 | | | | |
| 124 | Slab at Discharge Valve Chamber at Level +0.5mPD (G.L.1-7) | 81 days | Thu 29/9/22 | Sun 18/12/22 | | | | |
| 129 | Top Slab at Level +7.20mPD (G.L. 5-7) | 47 days | Sun 30/10/22 | Thu 15/12/22 | | | | |
| 137 | Ground Beam Along G.L. 7/D & 7/C | 62 days | Fri 21/10/22 | Wed 21/12/22 | | | | |
| 146 | Handover L12 Chamber and Discharge Valve Chamber | 0 days | Thu 22/12/22 | Thu 22/12/22 | | | | |
| 147 | W20 (Seal up L12 Box-out openings at discharge valve chamber) | 15 days | Wed 15/3/23 | Wed 29/3/23 | | | | |
| 148 | Handover to Paul Y for Sealing up work | 1 day | Wed 15/3/23 | Wed 15/3/23 | | | | |
| 149 | Rebar fixing, Formwork, Concreteing and Removal of Formwork | 14 days | Thu 16/3/23 | Wed 29/3/23 | | | | |
| 150 | L12 Bar Screen Chamber | 48 days | Fri 24/2/23 | Wed 12/4/23 | | | | |
| 151 | Drilled in anchor bolt at concrete recess of bar screen chamber | 7 days | Fri 24/2/23 | Thu 2/3/23 | | | | |
| 152 | Installation of Bar Screen Guide Channel (Bottom & Based Portion) | 7 days | Fri 3/3/23 | Thu 9/3/23 | | | | |
| 153 | Grouting (Bottom & Based Portion) | 2 days | Fri 10/3/23 | Sat 11/3/23 | | | | |
| 154 | Installation of Bar Screen Guide Channel (Remaining Portion) | 7 days | Sun 12/3/23 | Sat 18/3/23 | | | | |
| 155 | Grouting (Remaining Portion) | 2 days | Sun 19/3/23 | Mon 20/3/23 | | | | |
| 156 | Installation of temporary water gate (Use existing water gate from Intake 4) | 1 day | Sat 25/3/23 | Sat 25/3/23 | | | | |
| 157 | Infill Water and Water Leakage testing | 1 day | Sun 26/3/23 | Sun 26/3/23 | | | | |
| 158 | Removal Water | 1 day | Mon 27/3/23 | Mon 27/3/23 | | | | |
| 159 | Form Access Panel and pump out remaining water inside culvert | 2 days | Tue 28/3/23 | Wed 29/3/23 | | | | |
| 160 | Obsesrvation for any leakage from steel gate at culvert inlet | 1 day | Thu 30/3/23 | Thu 30/3/23 | | | | |
| 161 | Removal of Steel Gate (Friendly Benefit) | 3 days | Fri 31/3/23 | Sun 2/4/23 | | | | |
| 162 | Installation of Dosing Pipe | 6 days | Mon 3/4/23 | Sat 8/4/23 | | | | |
| 163 | Testing & Commissioning | 2 days | Sun 9/4/23 | Mon 10/4/23 | | | | |
| 164 | Removal of Steel Gate at Culvert Inlet L12 (WOD) | 2 days | Tue 11/4/23 | Wed 12/4/23 | | | | |
| 165 | Centre Chamber (Spare) | 173 days | Tue 25/10/22 | Sat 15/4/23 | | | | |
| 166 | W7, W8 & W22 | 54 days | Tue 25/10/22 | Sat 17/12/22 | | | | |
| 167 | 1st Layer (-5.5mPD to -4.6mPD) | 13 days | Tue 25/10/22 | Sun 6/11/22 | | | | |
| 172 | 2nd Layer (-4.8mPD to -0.875mPD) | 13 days | Mon 7/11/22 | Sat 19/11/22 | | | | |
| 177 | 3rd Layer (-0.875mPD to 2.65mPD) | 13 days | Sun 20/11/22 | Fri 2/12/22 | | | | |
| 182 | 4th Layer (2.65mPD to 5.7mPD) | 15 days | Sat 3/12/22 | Sat 17/12/22 | | | | |
| 187 | W6a-b | 120 days | Fri 28/10/22 | Fri 24/2/23 | | | | |
| 188 | 1st Layer (-5.5mPD to -4.6mPD) | 22 days | Fri 28/10/22 | Fri 18/11/22 | | | | |
| 193 | 2nd Layer (-4.8mPD to -0.375mPD) | 16 days | Sat 19/11/22 | Sun 4/12/22 | | | | |
| 198 | 3rd Layer (-0.375mPD to 3.15mPD) | 16 days | Mon 5/12/22 | Tue 20/12/22 | | | | |
| 203 | 4th Layer (3.1mPD to 5.7mPD) | 13 days | Wed 21/12/22 | Mon 2/1/23 | | | | |
| 207 | Top Slab at Level +7.20mPD (G.L. 3-5) | 57 days | Fri 30/12/22 | Fri 24/2/23 | | | | |
| 208 | Removal of Concrete Block between G.L. 3-5/D-C) | 4 days | Fri 30/12/22 | Mon 2/1/23 | | | | |
| 209 | Erection of Soffit Formwork | 14 days | Tue 3/1/23 | Mon 16/1/23 | | | | |
| 210 | Rebar Fixing | 18 days | Tue 17/1/23 | Fri 3/2/23 | | | | |
| 211 | Concreting | 1 day | Sat 4/2/23 | Sat 4/2/23 | | | | |
| 212 | Builder's Work at Level +7.2mPD | 20 days | Sun 5/2/23 | Fri 24/2/23 | | | | |

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 Date: 26 Feb 2023
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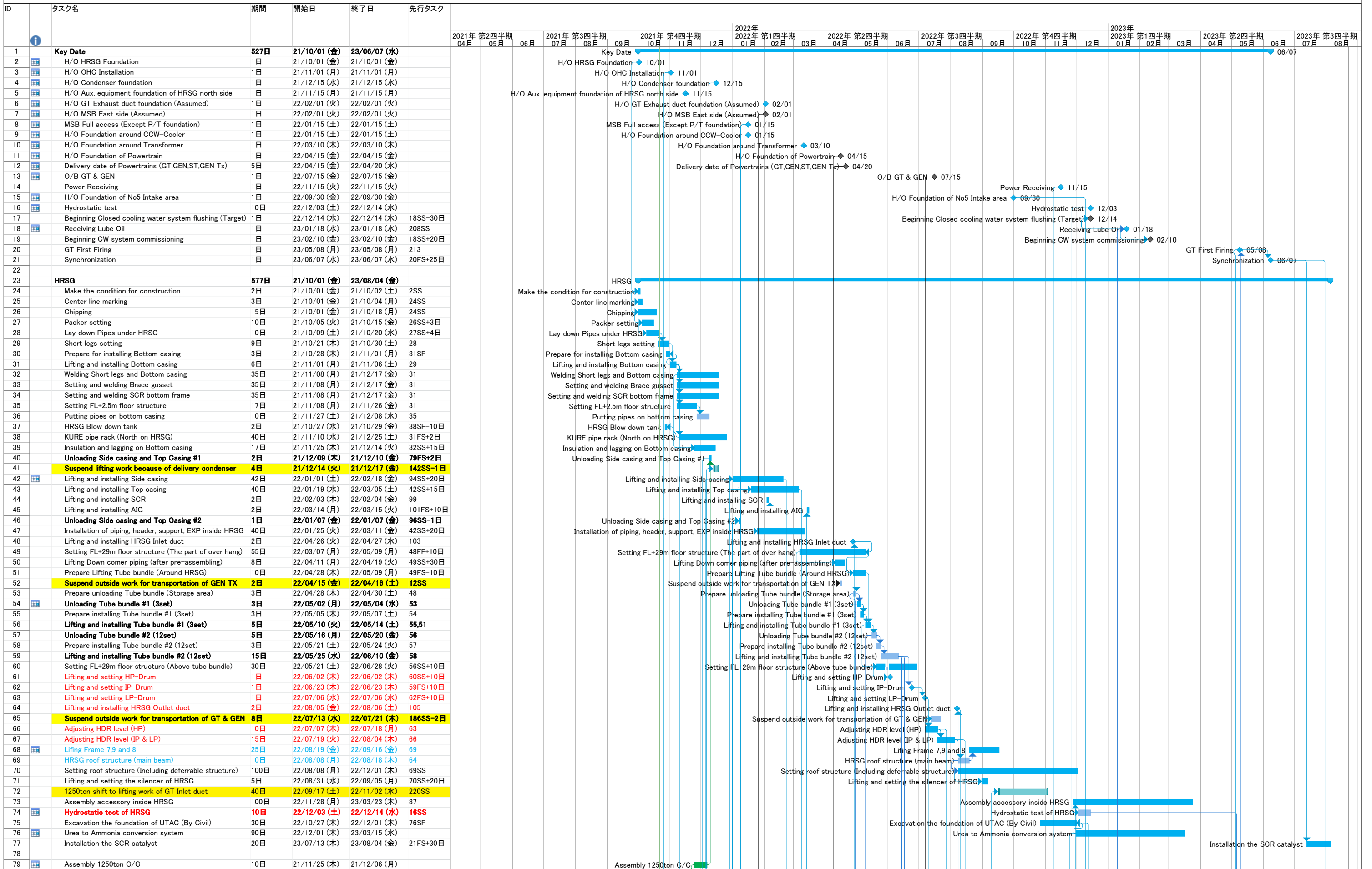
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|-----------|--|--------------------|--|--------------------|--|-----------------------|--|----------|--|
| Task | | Project Summary | | Inactive Milestone | | Manual Summary Rollup | | Progress | |
| Split | | External Tasks | | Inactive Summary | | Manual Summary | | Deadline | |
| Milestone | | External Milestone | | Manual Task | | Start-only | | | |
| Summary | | Inactive Task | | Duration-only | | Finish-only | | | |

| ID | Task Name | Duration | Start | Finish | 2nd Quarter | | | |
|-----|------------------------------------------------------------------------------|----------|--------------|--------------|-------------|-----|-----|-----|
| | | | | | Apr | May | Jun | Jul |
| 213 | Concrete Curing & Archieve Design Concrete Strength | 10 days | Sun 5/2/23 | Tue 14/2/23 | | | | |
| 214 | Removal of Formwork/Falsework, Remaining Concrete block & Site Clearance | 10 days | Wed 15/2/23 | Fri 24/2/23 | | | | |
| 215 | Installation of GRP | 20 days | Sun 5/2/23 | Fri 24/2/23 | | | | |
| 216 | Handover Spare Chamber | 0 days | Sat 25/2/23 | Sat 25/2/23 | | | | |
| 217 | W20 (Seal up spare Box-out openings at discharge valve chamber) | 15 days | Sat 1/4/23 | Sat 15/4/23 | | | | |
| 218 | Handover to Paul Y for Sealing up work | 1 day | Sat 1/4/23 | Sat 1/4/23 | | | | |
| 219 | Rebar fixing, Formwork, Concreteing and Removal of Formwork | 14 days | Sun 2/4/23 | Sat 15/4/23 | | | | |
| 220 | Spare Bar Screen Chamber | 48 days | Sun 26/3/23 | Tue 16/5/23 | | | | |
| 221 | Drilled in anchor bolt at concrete recess of bar screen chamber | 7 days | Sun 26/3/23 | Sat 1/4/23 | | | | |
| 222 | Installation of Bar Screen Guide Channel (Bottom & Based Portion) | 7 days | Sun 2/4/23 | Sat 8/4/23 | | | | |
| 223 | Grouting (Bottom & Based Portion) | 2 days | Sun 9/4/23 | Mon 10/4/23 | | | | |
| 224 | Installation of Bar Screen Guide Channel (Remaining Portion) | 7 days | Tue 11/4/23 | Mon 17/4/23 | | | | |
| 225 | Grouting (Remaining Portion) | 2 days | Tue 18/4/23 | Wed 19/4/23 | | | | |
| 226 | Installation of temporary water gate (Use existing water gate from Intake 4) | 1 day | Mon 24/4/23 | Mon 24/4/23 | | | | |
| 227 | Infill Water and Water Leakage testing | 1 day | Tue 25/4/23 | Tue 25/4/23 | | | | |
| 228 | Removal Water | 1 day | Wed 26/4/23 | Wed 26/4/23 | | | | |
| 229 | Form Access Panel and pump out remaining water inside culvert | 2 days | Thu 27/4/23 | Fri 28/4/23 | | | | |
| 230 | Obsesrvation for any leakage from steel gate at culvert inlet | 1 day | Sat 29/4/23 | Sat 29/4/23 | | | | |
| 231 | Removal of Steel Gate (Friendly Benefit) | 3 days | Sun 30/4/23 | Tue 2/5/23 | | | | |
| 232 | Installation of Dosing Pipe | 6 days | Wed 3/5/23 | Wed 10/5/23 | | | | |
| 233 | Testing & Commissioning | 2 days | Thu 11/5/23 | Fri 12/5/23 | | | | |
| 234 | Removal of Steel Gate at Culvert Inlet Spare (WOD) | 2 days | Mon 15/5/23 | Tue 16/5/23 | | | | |
| 235 | South Chamber (L13) | 148 days | Wed 23/11/22 | Wed 19/4/23 | | | | |
| 236 | W2, W3 & W21 | 54 days | Wed 23/11/22 | Sun 15/1/23 | | | | |
| 237 | 1st Layer (-5.5mPD to -4.6mPD) | 15 days | Wed 23/11/22 | Wed 7/12/22 | | | | |
| 242 | 2nd Layer (-4.8mPD to -0.875mPD) | 13 days | Thu 8/12/22 | Tue 20/12/22 | | | | |
| 247 | 3rd Layer (-0.875mPD to 2.65mPD) | 26 days | Wed 21/12/22 | Sun 15/1/23 | | | | |
| 257 | W6c-d | 143 days | Mon 28/11/22 | Wed 19/4/23 | | | | |
| 258 | 1st Layer (-5.5mPD to -4.6mPD) | 14 days | Mon 28/11/22 | Sun 11/12/22 | | | | |
| 263 | 2nd Layer (-4.8mPD to -0.375mPD) | 14 days | Mon 12/12/22 | Sun 25/12/22 | | | | |
| 268 | 3rd Layer (-0.375mPD to 3.15mPD) | 14 days | Mon 26/12/22 | Sun 8/1/23 | | | | |
| 273 | 4th Layer (3.1mPD to 5.7mPD) | 11 days | Mon 9/1/23 | Thu 19/1/23 | | | | |
| 277 | Top Slab at Level +7.20mPD (G.L. 1-3) | 76 days | Sun 15/1/23 | Fri 31/3/23 | | | | |
| 278 | Removal of Concrete Block between G.L. 1-3/D-C) | 4 days | Sun 15/1/23 | Wed 18/1/23 | | | | |
| 279 | Erection of Soffit Formwork | 7 days | Thu 23/2/23 | Wed 1/3/23 | | | | |
| 280 | Rebar Fixing | 7 days | Tue 28/2/23 | Mon 6/3/23 | | | | |
| 281 | Concreting | 1 day | Tue 7/3/23 | Tue 7/3/23 | | | | |
| 282 | Builder's Work at Level +7.2mPD | 20 days | Wed 8/3/23 | Mon 27/3/23 | | | | |
| 283 | Concrete Curing & Archieve Design Concrete Strength | 10 days | Wed 8/3/23 | Fri 17/3/23 | | | | |
| 284 | Removal of Formwork/Falsework, Remaining Concrete block & Site Clearance | 14 days | Sat 18/3/23 | Fri 31/3/23 | | | | |
| 285 | Installation of GRP | 20 days | Wed 8/3/23 | Mon 27/3/23 | | | | |
| 286 | Handover L13 Chamber | 0 days | Sat 1/4/23 | Sat 1/4/23 | | | | |
| 287 | Installation of Steel Gate at Culvert Inlet Spare (WOD) | 7 days | Thu 13/4/23 | Wed 19/4/23 | | | | |

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 Date: 26 Feb 2023
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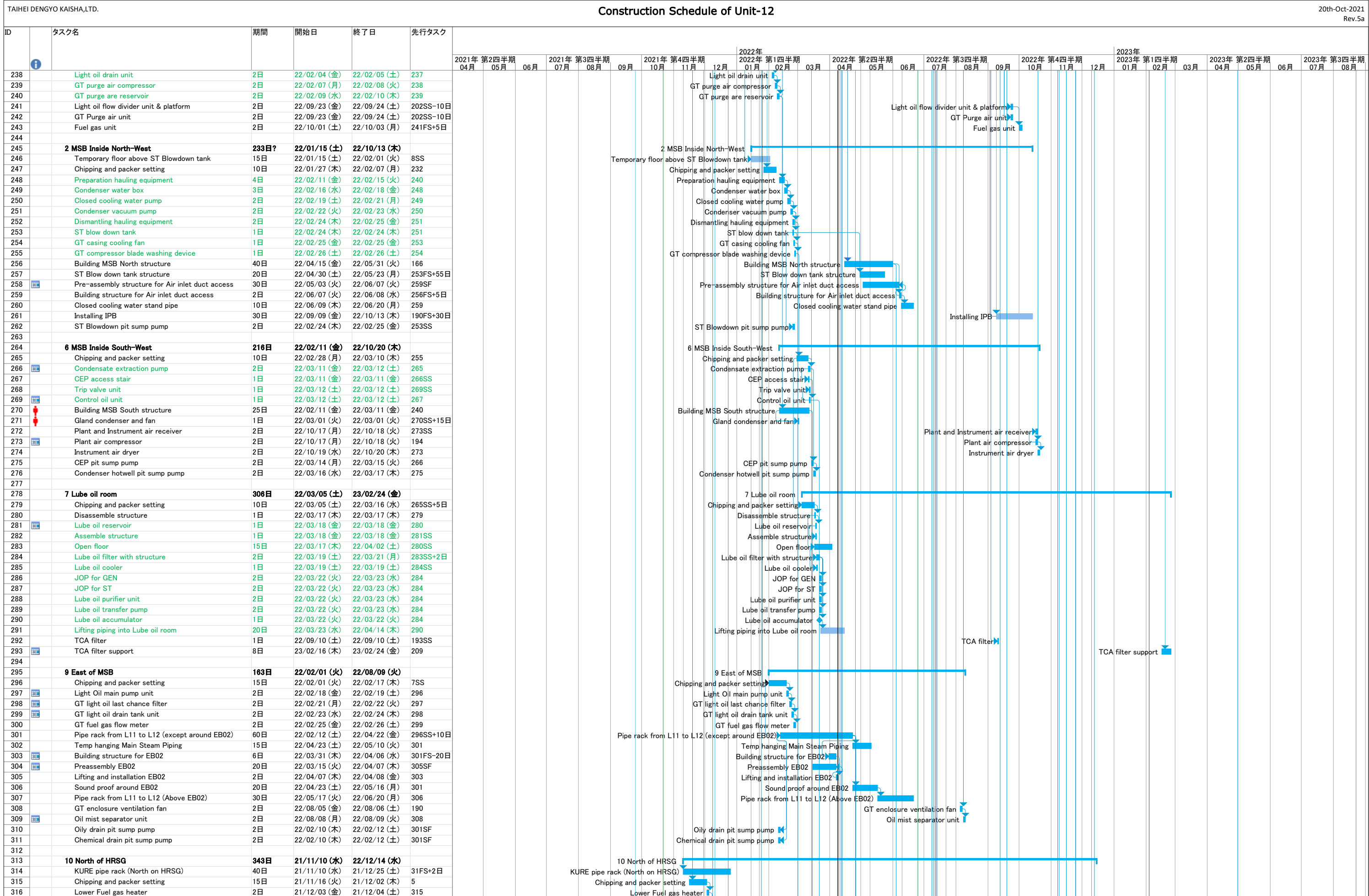
| | | | | | | | | | |
|-----------|--|--------------------|--|--------------------|--|-----------------------|--|----------|--|
| Task | | Project Summary | | Inactive Milestone | | Manual Summary Rollup | | Progress | |
| Split | | External Tasks | | Inactive Summary | | Manual Summary | | Deadline | |
| Milestone | | External Milestone | | Manual Task | | Start-only | | | |
| Summary | | Inactive Task | | Duration-only | | Finish-only | | | |

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 handedover before B-Feb-2022 according to the above key date changed.

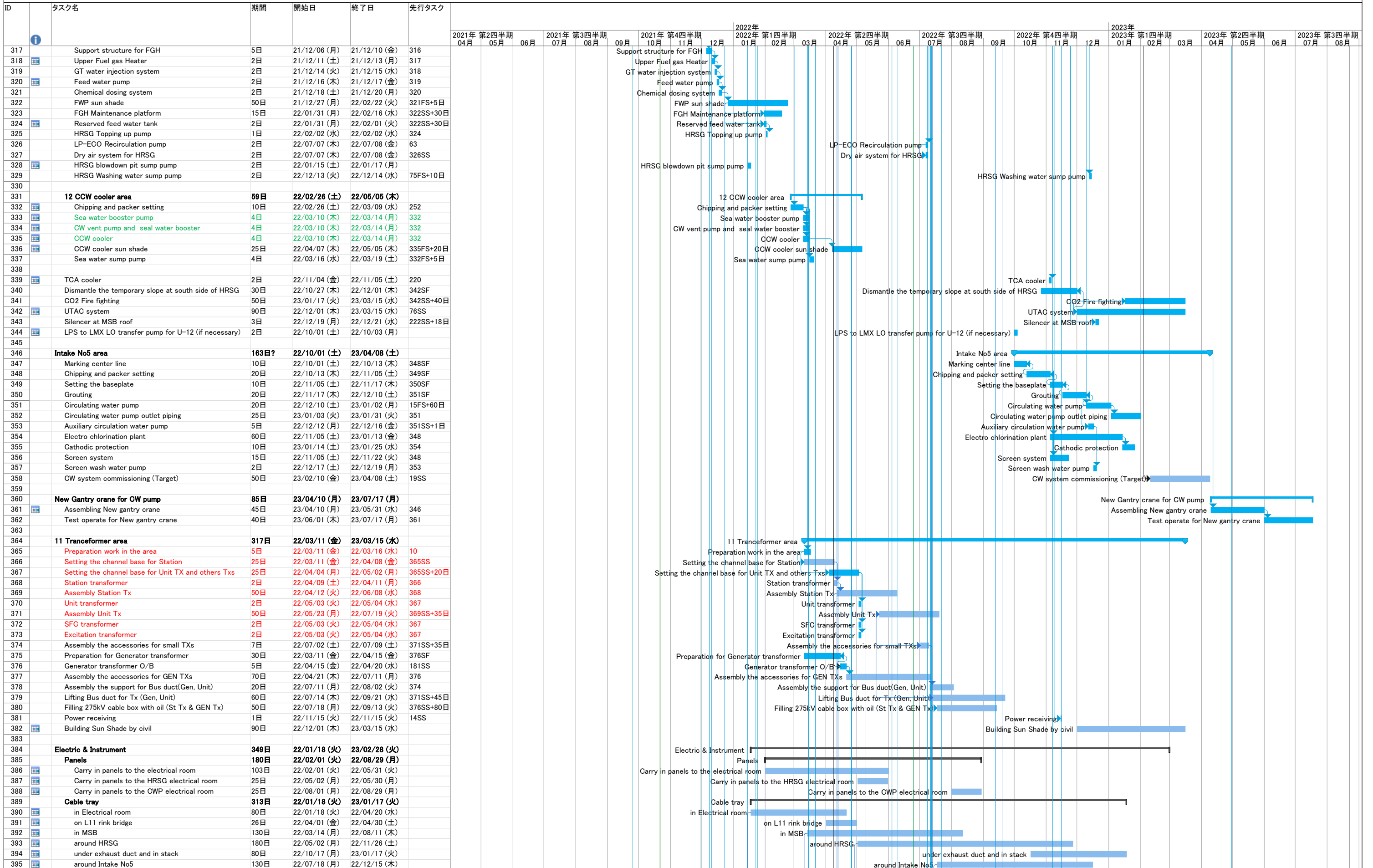
3.Considered the affection of KURE's schedule belows;
 i) Because of delaying the side casing,installation Inlet duct is postponed.
 ii) Because of delivery 12 TBs in one time, no enough area for pre-ass'y Outlet duct and GT Inlet duct on schedule.



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 handedover 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.

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 handedover 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.

| ID | タスク名 | 期間 | 開始日 | 終了日 | 先行タスク | 2021年 2022年 2023年 | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----------------------------------------------|-------------|---------------------|---------------------|------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | 2021年 第2四半期 04月 05月 06月 | 2021年 第3四半期 07月 08月 09月 | 2021年 第4四半期 10月 11月 12月 | 2022年 第1四半期 01月 02月 03月 | 2022年 第2四半期 04月 05月 06月 | 2022年 第3四半期 07月 08月 09月 | 2022年 第4四半期 10月 11月 12月 | 2023年 第1四半期 01月 02月 03月 | 2023年 第2四半期 04月 05月 06月 | 2023年 第3四半期 07月 08月 | | | | | | | | | | | | | | |
| 396 | Cabling | 313日 | 22/03/01 (火) | 23/02/28 (火) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 397 | in Electrical room | 120日 | 22/03/01 (火) | 22/07/18 (月) | 390SS+36日 | | | | | | | | | | | | | | | | | | | | | | | | |
| 398 | in MSB | 200日 | 22/07/01 (金) | 23/02/18 (土) | 392SS+94日 | | | | | | | | | | | | | | | | | | | | | | | | |
| 399 | MSB to HRSG | 200日 | 22/07/01 (金) | 23/02/18 (土) | 392SS+94日 | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 | around HRSG | 120日 | 22/10/12 (水) | 23/02/28 (火) | 393SS+140日 | | | | | | | | | | | | | | | | | | | | | | | | |
| 401 | around Intake No5 | 130日 | 22/09/14 (水) | 23/02/11 (土) | 395SS+50日 | | | | | | | | | | | | | | | | | | | | | | | | |
| 402 | Instrument | 283日 | 22/04/01 (金) | 23/02/24 (金) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 403 | Install Support | 184日 | 22/04/01 (金) | 22/11/01 (火) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 404 | Piping work | 220日 | 22/06/01 (水) | 23/02/11 (土) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 405 | Inside GT & ST | 115日 | 22/10/01 (土) | 23/02/11 (土) | 404SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 406 | Adjust each measurement | 205日 | 22/07/01 (金) | 23/02/24 (金) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 407 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 408 | Piping | 359日 | 22/03/01 (火) | 23/04/24 (月) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 409 | Main Piping | 221日 | 22/03/12 (土) | 22/11/24 (木) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 410 | Around HRSG | 100日 | 22/07/19 (火) | 22/11/11 (金) | 66 | | | | | | | | | | | | | | | | | | | | | | | | |
| 411 | North side of MSB | 150日 | 22/06/01 (水) | 22/11/22 (火) | 256 | | | | | | | | | | | | | | | | | | | | | | | | |
| 412 | South side of MSB (around gland condenser) | 150日 | 22/03/12 (土) | 22/09/02 (金) | 270 | | | | | | | | | | | | | | | | | | | | | | | | |
| 413 | Lead piping | 60日 | 22/09/16 (金) | 22/11/24 (木) | 195 | | | | | | | | | | | | | | | | | | | | | | | | |
| 414 | BOP for lube oil and cooling | 250日 | 22/03/01 (火) | 22/12/18 (金) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 415 | North side of MSB (around CCW) | 250日 | 22/03/01 (火) | 22/12/16 (金) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 416 | South side of MSB (around Lube oil reservoir) | 230日 | 22/03/22 (火) | 22/12/14 (水) | 269FS+7日 | | | | | | | | | | | | | | | | | | | | | | | | |
| 417 | Others BOP | 200日 | 22/04/23 (土) | 22/12/12 (月) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 418 | Others BOP | 200日 | 22/04/23 (土) | 22/12/12 (月) | 301 | | | | | | | | | | | | | | | | | | | | | | | | |
| 419 | Assembly the blowing out piping | 50日 | 23/02/24 (金) | 23/04/24 (月) | 212SF | | | | | | | | | | | | | | | | | | | | | | | | |
| 420 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 421 | Crane | 459日 | 21/10/01 (金) | 23/03/20 (月) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 422 | Assembly 1250C/C | 10日 | 21/11/25 (木) | 21/12/06 (月) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 423 | Operate 1250tonC/C for TOHC | 8日 | 21/12/06 (月) | 21/12/14 (火) | 125SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 424 | Operate 1250tonC/C for HRSG | 189日 | 21/12/30 (木) | 22/08/06 (土) | 42SS-2日 | | | | | | | | | | | | | | | | | | | | | | | | |
| 425 | Operate 1250tonC/C for GT Air inlet | 40日 | 22/09/19 (月) | 22/11/03 (木) | 220SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 426 | Operate 1250tonC/C for HRSG roof | 35日 | 22/08/08 (月) | 22/09/16 (金) | 424 | | | | | | | | | | | | | | | | | | | | | | | | |
| 427 | Dismantling 1250tonC/C | 10日 | 22/11/04 (金) | 22/11/15 (火) | 220 | | | | | | | | | | | | | | | | | | | | | | | | |
| 428 | Assembly 400tonC/C | 5日 | 22/04/19 (火) | 22/04/23 (土) | 82SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 429 | Operate 400tonC/C | 44日 | 22/04/25 (月) | 22/06/14 (火) | 428 | | | | | | | | | | | | | | | | | | | | | | | | |
| 430 | Dismantling 400tonC/C | 4日 | 22/06/15 (水) | 22/06/18 (土) | 83FF | | | | | | | | | | | | | | | | | | | | | | | | |
| 431 | Assembly 750tonA/C for Condenser | 1日 | 22/01/21 (金) | 22/01/21 (金) | 141SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 432 | Operate 750tonA/C for Condenser | 14日 | 22/01/21 (金) | 22/02/05 (土) | 431SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 433 | Dismantling 750tonA/C for Condenser | 1日 | 22/01/29 (土) | 22/01/29 (土) | 151SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 434 | 250ton A/C (HRSG and HRSG exhaust) | 391日 | 21/10/01 (金) | 22/12/30 (金) | 245SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 435 | 220tonA/C (Unloading & CWP) | 380日 | 21/12/01 (水) | 23/02/16 (木) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 436 | 220tonA/C (GT Inlet duct) | 60日 | 22/11/22 (火) | 23/01/30 (月) | 222SS-5日 | | | | | | | | | | | | | | | | | | | | | | | | |
| 437 | 120tonA/C (Unloading & UTAC) | 380日 | 22/01/01 (土) | 23/03/20 (月) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 438 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 439 | Equipment for heavy lifting | 202日 | 21/12/13 (月) | 22/08/04 (木) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 440 | SARLIFT | 53日 | 21/12/17 (金) | 22/02/16 (水) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 441 | Assembly the rail for SARLIFT | 20日 | 21/12/17 (金) | 22/01/08 (土) | 136SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 442 | Assembly the SARLIFT proper | 18日 | 22/01/10 (月) | 22/01/29 (土) | 441 | | | | | | | | | | | | | | | | | | | | | | | | |
| 443 | Dismantling the SARLIFT | 15日 | 22/01/31 (月) | 22/02/16 (水) | 152SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 444 | Gantry system | 43日 | 22/06/18 (木) | 22/08/04 (木) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 445 | Assembly the Gantry for powertrain | 21日 | 22/06/16 (木) | 22/07/09 (土) | 178SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 446 | Disassembly the Gantry | 15日 | 22/07/19 (火) | 22/08/04 (木) | 190SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 447 | Unit carrier | 189日 | 21/12/13 (月) | 22/07/20 (水) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 448 | For Condenser | 5日 | 21/12/13 (月) | 21/12/17 (金) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 449 | Preparation for transportation the Condenser | 2日 | 21/12/13 (月) | 21/12/15 (水) | 450SF | | | | | | | | | | | | | | | | | | | | | | | | |
| 450 | Transportation the Condenser | 2日 | 21/12/15 (水) | 21/12/16 (木) | 142SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 451 | Disassembling Unit carrier | 1日 | 21/12/17 (金) | 21/12/17 (金) | 450 | | | | | | | | | | | | | | | | | | | | | | | | |
| 452 | For Tube bundle #1 | 6日 | 22/04/29 (金) | 22/05/05 (木) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 453 | Assembling Unit carrier for Tube Bundle | 2日 | 22/04/29 (金) | 22/05/02 (月) | 454SF | | | | | | | | | | | | | | | | | | | | | | | | |
| 454 | Transportation the Tube Bundle part1 | 3日 | 22/05/02 (月) | 22/05/04 (水) | 54SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 455 | Disassembling Unit carrier | 1日 | 22/05/05 (木) | 22/05/05 (木) | 454 | | | | | | | | | | | | | | | | | | | | | | | | |
| 456 | For Tube bundle #2 | 8日 | 22/05/13 (金) | 22/05/21 (土) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 457 | Assembling Unit carrier for Tube Bundle | 2日 | 22/05/13 (金) | 22/05/16 (月) | 458SF | | | | | | | | | | | | | | | | | | | | | | | | |
| 458 | Transportation the Tube Bundle part2 | 5日 | 22/05/16 (月) | 22/05/20 (金) | 57SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 459 | Disassembling Unit carrier | 1日 | 22/05/21 (土) | 22/05/21 (土) | 458 | | | | | | | | | | | | | | | | | | | | | | | | |
| 460 | For Unloading Powertrains | 8日 | 22/04/13 (水) | 22/04/21 (木) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 461 | Assembling Unit carrier for Power Train | 2日 | 22/04/13 (水) | 22/04/15 (金) | 463SF-1日 | | | | | | | | | | | | | | | | | | | | | | | | |
| 462 | Transportation the Transformer | 1日 | 22/04/15 (金) | 22/04/15 (金) | 181SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 463 | Transportation the ST lower casing | 1日 | 22/04/16 (土) | 22/04/16 (土) | 182SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 464 | Transportation the Generator for storing | 1日 | 22/04/18 (月) | 22/04/18 (月) | 183SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 465 | Transportation the Gas Turbine for storing | 1日 | 22/04/19 (火) | 22/04/19 (火) | 184SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 466 | Disassembling the Unit carrier | 2日 | 22/04/20 (水) | 22/04/21 (木) | 465 | | | | | | | | | | | | | | | | | | | | | | | | |
| 467 | For Installation of GT and GEN | 7日 | 22/07/13 (水) | 22/07/20 (水) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 468 | Assembling Unit carrier for Power Train | 2日 | 22/07/13 (水) | 22/07/15 (金) | 469SF | | | | | | | | | | | | | | | | | | | | | | | | |
| 469 | Transportation the Gas Turbine for storing | 1日 | 22/07/15 (金) | 22/07/15 (金) | 186SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 470 | Transportation the Generator for storing | 1日 | 22/07/18 (月) | 22/07/18 (月) | 188SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 471 | Transportation the ST lower casing | 1日 | 22/07/20 (水) | 22/07/20 (水) | 189SS | | | | | | | | | | | | | | | | | | | | | | | | |
| 472 | Disassembling the Unit carrier | 2日 | 22/07/19 (火) | 22/07/20 (水) | 470 | | | | | | | | | | | | | | | | | | | | | | | | |