香港電燈有限公司 The Hongkong Electric Co., Ltd.



# Lamma Power Station Extension Construction Phase Monthly Environmental Monitoring & Audit Report

September 2021



# ENVIRONMENTAL IMPACT ASSESSMENT (EIA) ORDINANCE, CAP. 499

# ENVIRONMENTAL PERMIT NO. EP-071/2000/D

# LAMMA POWER STATION EXTENSION ENVIRONMENTAL MONITORING & AUDIT PROGRAMME AT CONSTRUCTION PHASE

Report Title	Lamma Power Station Extension – Unit L11 & L12  Monthly EM&A Report  (September 2021)
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#### **EXECUTIVE SUMMARY**

This is the 137<sup>th</sup> monthly Environmental Monitoring and Audit (EM&A) report for the Project "Construction of Lamma Power Station Extension" prepared by the Environmental Team (ET). This report presents the results of impact monitoring on air quality and noise for the said project in September 2021.

The reclamation and submarine pipeline works were completed with the first gas-fired combined cycle unit (viz. Unit L9) commissioned in October 2006, working currently on base load operation. To cope with the scheduled retirement of the existing units at Lamma Power Station, the second gas-fired combined cycle unit (viz. Unit L10) L10 was commissioned for reliable operation in February 2020. The operational EM&A work for L9 and L10 is recorded in the separate monthly EM&A report for the Project "Operation of Lamma Power Station Extension".

In September 2016, the Government approved HK Electric to construct the third combined cycle gasfired generating unit (L11) to implement the 2020 Fuel Mix Target. L11 is planned for commercial operation in 2022 and the associated construction work commenced in November 2016.

With the Government's approval to build the fourth combined cycle gas-fired generating unit (L12) in July 2018, the associated construction work commenced in April 2019. When L12 is commissioned in 2023, the total gas-fired electricity generation will further rise to reach about 70% of our total output.

Air and noise monitoring were performed. The results were checked against the established Action/Limit (AL) levels. An on-site audit was conducted once per week. The implementation status of the environmental mitigation measures, Event/Action Plan and environmental complaint handling procedures were also checked.

#### **Construction Activities Undertaken**

Construction activities for Lamma Extension during the reporting month are tabulated as follows:

Item	Construction Activities
Unit L11 Civil and Building Works	Main Station Building external works and pipe jacking
Unit L11 Mechanical Erection	Condenser installation, HRSG installation and turbine block installation
Unit L11 Electrical, Instrumentation & Control Erection	Cable installation
Unit L12 Civil and Building Works	Installation of columns and beam for Main Station Building, construction of No. 5 Chimney, construction of superstructure for ACB, installation of pipe and backfilling works for No. 5 C.W. Culvert, preparation work prior to installation of precast beam for Cable Bridge (North & South) and construction of pile cap for shunt reactor compound extension

# **Environmental Monitoring Works**

All monitoring work at designated stations was performed as scheduled satisfactorily.

#### Air Quality

No exceedance of Action/Limit levels on 1-hour TSP and 24-hour TSP for air quality was recorded in the month.

#### Noise

No exceedance of Action and Limit levels for noise arising from the construction of Lamma Extension was recorded in the month.

#### **Site Environmental Audit**

Site audits were carried out on a weekly basis to monitor environmental issues on the construction site. The site conditions were generally satisfactory.

**Environmental Licensing and Permitting** 

Description	Permit No.	Valid	Valid Period		Date of
_		From	To	]	Issuance
Varied Environmental Permit	EP-071/2000/D	28/09/20	-	HK Electric	28/09/20
Construction Noise Permit	GW-RS0436-21	01/07/21	31/12/21	Contractor	15/06/21
Construction Noise Permit	GW-RS0600-21	08/08/21	07/02/22	Contractor	06/08/21
WPCO Discharge Licence	WT00034006-2019	08/08/19	31/08/24	Contractor	22/08/19
WPCO Discharge Licence	WT00037613-2021	15/04/21	30/04/26	Contractor	15/04/21
WPCO Discharge Licence	WT00037665-2021	06/05/21	31/05/26	Contractor	06/05/21
Registration of Chemical Waste Producer	WPN5213-912- P2781-22	22/02/16	-	Contractor	22/02/16
Registration of Chemical Waste Producer	WPN5517-912- T2007-02	17/03/05	-	Contractor	17/03/05
Waste Disposal Billing Account	Account No.: 7031135	21/06/18	-	Contractor	21/06/18
Waste Disposal Billing Account	Account No.: 7027672	24/04/17	-	Contractor	24/04/17
Waste Disposal Billing Account	Account No.: 7038672	27/10/20	-	Contractor	27/10/20
Waste Disposal Billing Account	Account No.: 7039272	08/01/21	-	Contractor	08/01/21

#### **Implementation Status of Environmental Mitigation Measures**

Environmental mitigation measures for the construction activities as recommended in the EM&A manual were implemented in the reporting month.

#### **Environmental Complaints**

No complaint against the construction activities was received in the reporting month.

# **Future Key Issues**

The future key issues to be considered in the coming month are as follows:

#### Unit L11 Civil and Building Works

- to continue executing the preventive measures for avoiding noise exceedance and keep monitoring/reviewing the performance;
- to monitor and review the sufficiency of the dust suppression measures provided and increase the resources accordingly if necessary;
- to treat wastewater in sedimentation pit and tanks before discharge and to ensure compliance with the WPCO discharge licence already obtained.

#### Unit L11 Mechanical Erection

- to continue monitoring the noise level during construction and to ensure compliance with the CNP's already obtained;
- to continue executing the preventive measures for avoiding noise exceedance and keep monitoring/reviewing the performance;
- to monitor and review the sufficiency of the dust suppression measures provided and increase the resources accordingly if necessary.

#### Unit L11 Electrical, Instrumentation & Control Erection

- to continue monitoring the noise level during construction and to ensure compliance with the CNP's already obtained;
- to continue executing the preventive measures for avoiding noise exceedance and keep monitoring/ reviewing the performance;
- to monitor and review the sufficiency of the dust suppression measures provided and increase the resources accordingly if necessary.

#### Unit L12 Civil and Building Works

- to continue monitoring the noise level during construction and to ensure compliance with the CNP's already obtained;
- to monitor and review the sufficiency of the dust suppression measures provided and increase the resources accordingly if necessary;
- to treat wastewater in sedimentation pit and tanks before discharge and to ensure compliance with the WPCO discharge licence already obtained;
- to provide silt curtain as preventive measures at Northern Cable Bridge area.

#### **Concluding Remarks**

The environmental performance of the project was generally satisfactory.

#### 1. INTRODUCTION

#### 1.1 Background

The Environmental Team (hereinafter called the "ET") was formed within the Hongkong Electric Co. Ltd (HEC) to undertake Environmental Monitoring and Audit for "Construction of Lamma Power Station Extension" (hereinafter called the "Project"). Under the requirements of Section 6 of Environmental Permit EP-071/2000/D, an EM&A programme for impact environmental monitoring set out in the EM&A Manual (Construction Phase) is required to be implemented. In accordance with the EM&A Manual, environmental monitoring of air quality, noise and water quality and regular environmental audits are required for the Project. With the completion of reclamation and submarine pipeline works, no further marine water quality monitoring would be required.

The Project involves the construction of a gas-fired power station employing combined cycled gas turbine technology, forming an extension to the existing Lamma Power Station. The key elements of the Project including the construction activities associated with the transmission system and submarine gas pipeline are outlined as follows.

- dredging and reclamation to form approximately 22 hectares of usable area;
- construction of six 300MW class gas-fired combined cycle units;
- construction of a gas receiving station;
- construction of a transmission system linking the Lamma Extension to load centres on Hong Kong Island;
- laying of a gas pipeline for the supply of natural gas to the new power station

This report summarizes the environmental monitoring and audit work for the Project for the month of September 2021.

# 1.2 Project Organisation

An Environmental Management Committee (EMC) has been set up in HEC to oversee the Project. The management structure includes the following:

- Environmental Protection Department (The Authority);
- Environmental Manager (The Chairman of the Environmental Management Committee);
- Engineer:
- Independent Environmental Checker (IEC);
- Environmental Team (ET);
- Contractor.

The project organisation chart for the construction EM&A programme is shown in Appendix A.

#### 1.3 Construction Works undertaken during the Reporting Month

Construction activities for Unit L11 civil and building works were, Main Station Building external works and pipe jacking. Construction activities for Unit L11 mechanical erection were condenser installation, HRSG installation and turbine block installation. Construction activity for Unit L11 electrical, instrumentation & control erection was cable installation. Construction activities for Unit L12 civil and building works were, installation of columns and beam for Main Station Building, construction of No.5 Chimney, construction of superstructure for ACB,

installation of pipe and backfilling works for No. 5 C.W. Culvert, and preparation work prior to installation of precast beam for Cable Bridge (North & South) and construction of pile cap for shunt reactor compound extension. Layout plan for construction site is shown in Figure 1.1.

The main construction activities carried out during the reporting month and the corresponding environmental mitigation measures are summarized in Table 1.1. The implementation of major mitigation measures in the month is provided in Appendix I.

Table 1.1 Construction Activities and Their Corresponding Environmental Mitigation Measures

Item	Construction Activities	<b>Environmental Mitigation Measures</b>			
Unit L11	Unit L11 Civil and Building Works				
1. Main Station Building external works and pipe jacking		Air  - All regulated machine attached with valid exception/approval NRMM labels.  - Water truck and water sprinkler system was used.  - Excavated slope and soil stock covered with cement or tarpaulin.  - Backfilled surface was compacted.  - Wheel washing facility was provided.			
		Wastewater			
		<ul> <li>Wastewater should be treated in desilting pit and tanks before discharge. Solution should be added to speed up the sedimentation process. Sediment in pit and tanks must be removed regularly. The frequency would be from every other day to weekly basis depends on the volume of sediment accumulated in order to maintain sufficient volume for wastewater treatment.</li> </ul>			
		Waste Management			
		<ul> <li>Excavated soil was temporary stored for backfilling.</li> <li>Scrape metal would be recycled.</li> <li>Timber would be reused as much as possible.</li> </ul>			
Unit L1	Unit L11 Mechanical Erection				
2.	Condenser installation HRSG installation	Air  - Dust suppression measures implemented according to the EMP.			
	Turbine block installation	Noise  - General noise mitigation measures employed at all work sites throughout the construction phase.			

Item	Construction Activities	Environmental Mitigation Measures	
Unit L1	l Electrical, Instrume	Waste Management  - Waste Management Plan submitted and implemented entation & Control Erection	
3. Unit L12	Cable installation  2 Civil and Building	Air  - Dust suppression measures implemented according to the EMP.  Noise  - General noise mitigation measures employed at all work sites throughout the construction phase.  Waste Management  - Waste Management Plan submitted and implemented.  Works	
4.	Unit L12 Main Station Building Installation of Columns and beam  Construction of No.5 Chimney  ACB Construction of superstructure  No.5 C.W. Culvert installation of pipe and backfilling works	Air  - All regulated machine attached with valid exception/approval NRMM labels.  - Water truck, water sprinkler system and mist cannon would be used.  - Water spraying for concrete breaking works.  - Soil stock would be covered with cement or tarpaulin or keep the entire surface wet.  Wheel washing facility was provided.  Noise  - Works conducted during restricted hours should comply with the valid CNP.  - Noise emission label was provided for air compressor.  Wastewater  - Wastewater should be treated in desilting pit and tanks before discharge. Solution should be added to speed up the sedimentation process. Sediment in pit and tanks must be removed regularly. The frequency would be in weekly basis depends on the volume of sediment accumulated in order to maintain sufficient volume for wastewater treatment.  Waste Management  - Excavated soil was temporary stored for backfilling and reuse in other projects.	

Item	Construction Activities	Environmental Mitigation Measures		
		<ul> <li>Scrape metal would be recycled.</li> <li>Chemical waste should be collected by licensed collector.</li> </ul>		
5.	Cable Bridge (North & South): Preparation work prior to installation of precast beam  Shunt Reactor Compound Extension Construction of pile cap	Air  - All regulated machine attached with valid exception/approval NRMM labels Soil stockpile covered with tarpaulin Wheel washing facilities was provided Water spraying on haul road and during concrete breaking.  Waste Management - Excavated soil would be stored for backfilling.  Wastewater - Wastewater would be treated in desilting tanks before discharge - Silt curtain was provided as preventive measures at Southern Cable Bridge area		

#### 1.4 Summary of EM&A Requirements

The detailed EM&A monitoring work for air quality and noise are described in Sections 2 and 3 respectively. Regular environmental site audits for air quality, noise, water quality and waste management were carried out.

The following environmental audits are summarized in Section 4 of this report:

- Environmental monitoring results;
- Waste Management Records;
- Weekly site audit results;
- The status of environmental licensing and permits for the Project;
- The implementation status of environmental protection and pollution control/ mitigation measures.

Future key issues will be reported in Section 5 of this report.

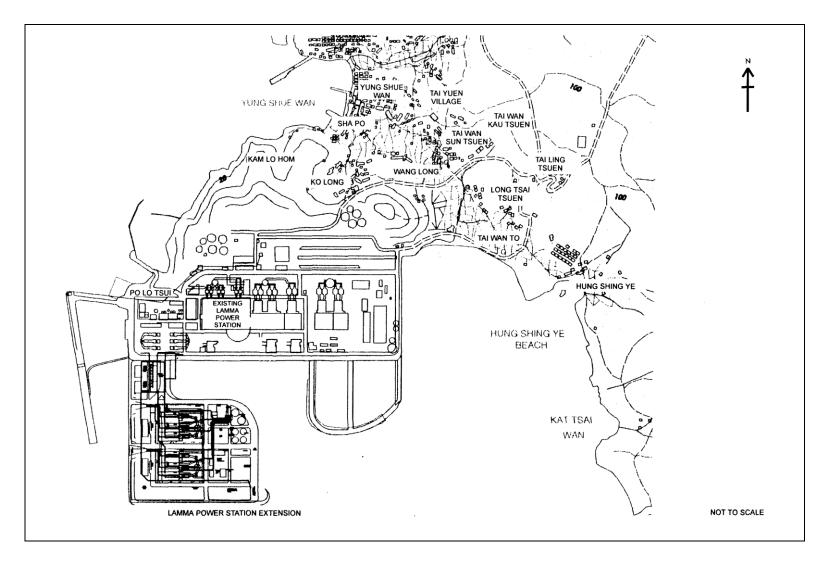


Figure 1.1 Layout of Work Site

# 2. AIR QUALITY

#### 2.1 Monitoring Requirements

1-hour and 24-hour TSP monitoring at agreed frequencies were conducted to monitor air quality. The impact monitoring data were checked against the Action/Limit Levels as determined in the Baseline Monitoring Report (Construction Phase). Appendix B shows the established Action/Limit Levels for Air Quality.

#### 2.2 Monitoring Locations

Three dust monitoring locations were selected for 1-hour TSP sampling (AM1, AM2 & AM3) while four monitoring locations were selected for 24-hour TSP sampling (AM1, AM2, AM3 and AM4). Table 2.1 tabulates the monitoring stations. The locations of the monitoring stations are shown in Figure 2.1.

Table 2.1 Air Quality Monitoring Locations

Location I.D.	Description
AM1	Reservoir
AM2	East Gate
AM3	Ash Lagoon
AM4	Tai Yuen Village

#### 2.3 Monitoring Equipment

It is agreed with EPD that continuous 24-hour TSP air quality monitoring would be performed using TEOM continuous dust monitor and the MINIVOL Portable Sampler at AM1,2&3 and AM4 respectively. TEOM continuous dust monitors were used to carry out 1-hour TSP monitoring at AM1, AM2 and AM3. Table 2.2 summarises the equipment used in dust monitoring.

Table 2.2 Air Quality Monitoring Equipment

Equipment	Model and Make
24-hour sampling:	
Continuous TSP Dust Meter	TEOM continuous dust monitor Thermo Scientific
MINIVOL Portable Sampler	AIRMETRICS
1-hour sampling: Continuous TSP Dust Meter	TEOM continuous dust monitor Thermo Scientific

#### 2.4 Monitoring Parameters, Frequency and Duration

Table 2.3 summarises the monitoring parameters, duration and frequency of air quality monitoring. The monitoring schedule for the reporting month is shown in Appendix C.

Table 2.3 Air Quality Monitoring Parameter, Duration and Frequency

Monitoring Stations	Parameter	Duration	Frequency
AM1	1-hour TSP	1	3 hourly samples every 6 days
AWII	24-hour TSP	24	Once every 6 days
AM2	1-hour TSP	1	3 hourly samples every 6 days
AlVIZ	24-hour TSP	24	Once every 6 days
AM2	1-hour TSP	1	3 hourly samples every 6 days
AM3	24-hour TSP	24	Once every 6 days
AM4	24-hour TSP	24	Once every 6 days

#### 2.5 Monitoring Procedures and Calibration Details

MINIVOL (24- hour TSP Monitoring):

#### Preparation of Filter Papers

- Visual inspection of filter papers was carried out to ensure that there were no pinholes, tears and creases;
- The filter papers were then labeled before sampling.
- The filter papers were equilibrated at room temperature and relative humidity < 50% for at least 24 hours before weighing.

#### Field Monitoring

- During collection of the sampled filter paper, the information on the elapse timer was logged. Site observations around the monitoring stations, which might have affected the monitoring results, were also recorded. Major pollution sources, if any, would be identified and reported.
- The post-sampling filter papers were removed carefully from the filter holder and folded to avoid loss of fibres or dust particles from the filter papers;
- The filter holder and its surrounding were cleaned;
- A pre-weighed blank filter paper for the next sampling was put in place and aligned carefully. The filter holder was then tightened firmly to avoid leakage;
- The programmable timer was set for the next 24 hrs sampling period;
- The post-sampling filter papers were equilibrated at room temperature and relative humidity < 50% for at least 24 hours before weighing.

#### TEOM continuous dust monitor (24- hour TSP and 1- hour TSP Monitoring):

- The following parameters of the TEOM model dust meters are regularly checked to ensure proper functionality:
  - Operation Mode;
  - o Frequency of the tapered element;
  - o Main flow;
  - Bypass flow.

#### Maintenance & Calibration

• The monitoring equipment and their accessories are maintained in good working conditions.

• Monitoring equipment is calibrated at monthly intervals. Calibration details are shown in Appendix F.

#### 2.6 Results and Observations

All dust monitoring works were conducted on schedule. All monitoring data and graphical presentation of the monitoring results are provided in Appendix D. Key findings and observations are provided below:

1-hour TSP

No exceedance of 1-hour TSP Action/Limit Level was recorded in the month.

24-hour TSP

No exceedance of 24-hour TSP Action/Limit Level was recorded in the month.

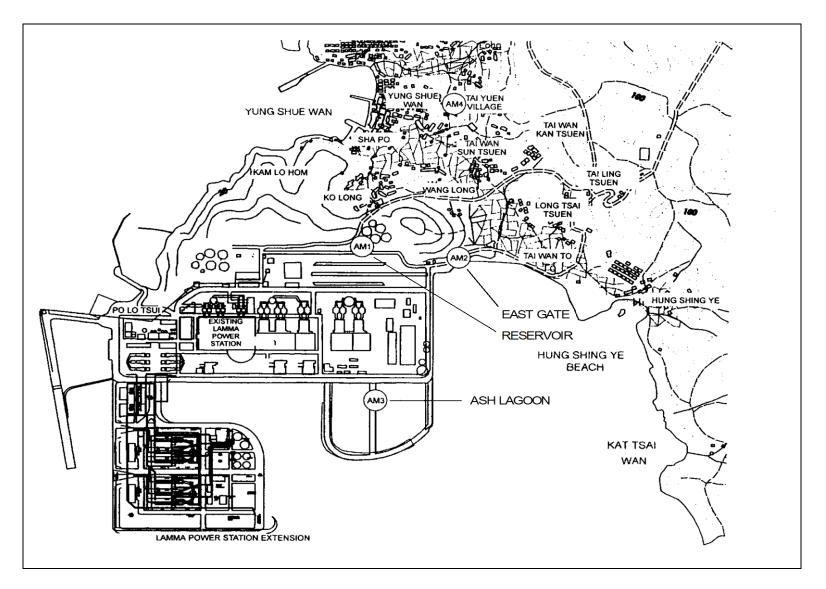


Figure 2.1 Location of Air Quality Monitoring Stations

#### 3. NOISE

# 3.1 Monitoring Requirements

Continuous noise alarm monitoring at Ash Lagoon/Ching Lam were carried out to calculate the noise contributed by the construction activities at the two critical NSR's, viz. Long Tsai Tsuen/Hung Shing Ye and the school within the village of Tai Wan San Tsuen. The impact monitoring data for construction noise were checked against the limit levels specified in the EM&A Manual. With the availability of the construction noise permits, impact monitoring for the construction work during the restricted hours was also carried out. Section 3 presents the details of the construction noise permits.

The impact noise monitoring data were checked against the limit levels specified in the EM&A Manual. Appendix B shows the established Action/Limit Levels for noise.

#### 3.2 Monitoring Locations

In accordance with the EM&A manual, the identified noise monitoring locations of Ash Lagoon and Ching Lam are shown in Figure 3.1.

# **3.3** Monitoring Equipment

The sound level meters used for noise monitoring complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1). The noise monitoring equipment used is shown in Table 3.1.

Table 3.1 Noise Monitoring Equipment

Equipment	Model
Sound level meters	B&K 2250
Sound level calibrator	B&K 4231

#### 3.4 Monitoring Parameters, Frequency and Duration

Continuous alarm monitoring was carried out at Ash Lagoon and Ching Lam. The measurement duration and parameter of noise monitoring were presented in Table 3.2 as follows:

Table 3.2 Noise Monitoring Duration and Parameter

Location	Time Period	Frequency	Parameter
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	Day-time: 0700-1900 hrs on normal weekdays	Day-time: 30 minutes	30-min L <sub>Aeq</sub>
Ash Lagoon Ching Lam	Evening-time & holidays: 0700-2300 hrs on holidays; and 1900-2300 hrs on all other days	Evening-time & holidays: 5 minutes	5-min L <sub>Aeq</sub>
	Night-time: 2300-0700 hrs of next day	Night-time: 5 minutes	5-min L <sub>Aeq</sub>

#### 3.5 Monitoring Procedures and Calibration Details

Monitoring Procedures

Continuous Noise Monitoring for Lamma Extension Construction

The measured noise levels (MNL's) were collected at the noise alarm monitoring stations at Ash Lagoon and Ching Lam. The notional background noise levels (viz. baseline noise data at Ash Lagoon and Ching Lam) were applied to correct the corresponding MNL's in 30-min/5-min L<sub>Aeq</sub>.

A wind speed sensor was installed at Station Building Rooftop. The wind speed signal was used to determine whether the data from Ash Lagoon and Ching Lam noise alarm monitoring stations were affected. The instantaneous data was discarded in case the instantaneous wind speed exceeded 10 m/s. The 30-min/5-min  $L_{\text{Aeq}}$  was considered valid only if the amount of valid data was equal to or above 70%.

#### Equipment Calibration

The sound level meters and calibrators were verified by the manufacturer or accredited laboratory. With the endorsement of the Independent Environmental Checker, the enhancement of calibration of sound level meter at the noise monitoring stations was implemented. The monthly manual on-site calibration using sound level calibrator was replaced by the daily auto charge injection calibration function of the sound level meter. For additional quality assurance, manual on-site calibration would still be conducted for the noise monitoring stations once every 6 months. The manual on-site calibrations for Ash Lagoon and Ching Lam noise monitoring stations were carried out in September 2021. The next calibrations for the two noise monitoring stations were scheduled in March 2022.

#### 3.6 Results and Observations

Continuous noise monitoring was conducted at the two monitoring stations at Ash Lagoon and Ching Lam.

All monitoring results and their graphical presentations are provided in Appendix E. No exceedance of noise Action/Limit Level was recorded in the month.

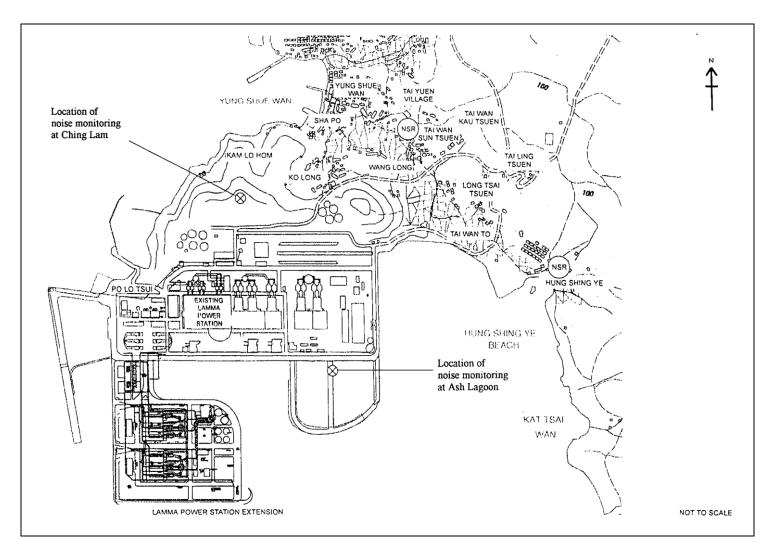


Figure 3.1 Location of Noise Monitoring Stations

#### 4. ENVIRONMENTAL AUDIT

#### 4.1 Review of Environmental Monitoring Procedures

The environmental monitoring procedures were regularly reviewed by the Environmental Team. No modification to the existing monitoring procedures was recommended.

#### 4.2 Assessment of Environmental Monitoring Results

Monitoring results for Air Quality and Noise

The environmental monitoring results for Air Quality and Noise in the reporting month presented in Sections 2 and 3 respectively are summarized in Table 4.1.

Table 4.1 Summary of AL Level Exceedances on Monitoring Parameters

Item	Parameter Monitored	Monitoring Period		. of ances In	Event/Action Plan Implementation Status
			Action Level	Limit Level	and Results
Air					
1	Ambient TSP (24-hour)	01/09/2021- 30/09/2021	0	0	
2	Ambient TSP (1-hour)	01/09/2021- 30/09/2021	0	0	
Noise					
1	Noise level at the critical NSR's predicted by the noise alarm monitoring system	01/09/2021- 30/09/2021	0	0	

#### 4.3 Waste Management

Wastes generated from this Project include inert construction and demolition (C&D) materials and non-inert C&D materials. Inert C&D materials comprise excavated materials and broken concrete. Non-inert C&D materials comprise general refuse, metals and paper/ cardboard packaging, plastics, chemical waste, etc.

Inert C&D material and non-inert C&D material disposed of in September 2021 are shown in Table 4.2.

Table 4.2 Estimated Amounts of Waste in September 2021

	Non-inert C&D Materials			
Total Inert C&D Waste Materials	C&D Materials Recycled	C&D Waste Disposed of at Landfill	Chemical Waste	

5.43 Tonnes	0 Tonnes	121.15 Tonnes	400 Litres	
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The monthly waste flow tables prepared by the contractors are attached in Appendix K

#### **4.4** Site Environmental Audit

Site audits were carried out by ET on a weekly basis to monitor environmental issues at the construction sites to ensure that all mitigation measures were implemented timely and properly. The site audit findings for the reporting month are summarized in Appendix H. The site conditions were generally satisfactory. All required mitigation measures were implemented.

# 4.5 Status of Environmental Licensing and Permitting

All permits/licenses obtained for the project are summarised in Table 4.3.

Table 4.3 Summary of Environmental Licensing and Permit Status

Description	Permit No.	Valid	Period	Highlights	Status
_		From	To		
Varied Environmental Permit	EP-071/2000/D	28/09/20	-	The whole construction work site	Valid
Construction Noise Permit	GW-RS0436-21	01/07/21	31/12/21	Power Block Facilities works for Unit L11. Operation of PME during restricted hours	Valid
Construction Noise Permit	GW-RS0600-21	08/08/21	07/02/22	Civil and Building Works for Unit L12. Operation of PME during restricted hours	Valid
WPCO Discharge Licence#	WT00034006- 2019	08/08/19	31/08/24	Civil and Building Works for Unit L11	Valid
WPCO Discharge Licence##	WT00037613- 2021	15/04/21	30/04/26	Civil and Building Works for No.5 C.W. Intake and Cable Bridge	Valid
WPCO Discharge Licence###	WT00037665- 2021	06/05/21	31/05/26	Civil and Building Works for Unit L12	Valid
Registration of Chemical Waste Producer	WPN5213-912- P2781-22	22/02/16	-	Civil and Building Works	Valid
Registration of Chemical Waste Producer	WPN5517-912- T2007-02	17/03/05	-	E&M Equipment Installation and Maintenance	Valid

Description	Permit No.	Valid Period		Highlights	Status
		From	To		
Waste Disposal Billing Account	Account No.: 7031135	21/06/18	-	Civil and Building Works for Unit L11	Valid
Waste Disposal Billing Account	Account No.: 7027672	24/04/17	-	E&M Erection of Power Block Facilities – L11	Valid
Waste Disposal Billing Account	Account No.: 7038672	27/10/20	-	Civil works for Unit L12 No.5 C.W. intake and cable bridge	Valid
Waste Disposal Billing Account	Account No.: 7039272	08/01/21	-	Civil and building works for Unit L12	Valid

Notes: #, ## and ### - Water quality monitoring was carried out in August 2021 and the results of which had been reported separately by the contractor.

# 4.6 Implementation Status of Environmental Mitigation Measures

Mitigation measures detailed in the permits and the EM&A Manual (Construction Phase) are required to be implemented. An updated summary of the Environmental Mitigation Implementation Schedule (EMIS) is presented in Appendix I.

# 4.7 Implementation Status of Event/Action Plans

The Event/Action Plans extracted from the EM&A Manual (Construction Phase) are presented in Appendix G.

# 4.8 Implementation Status of Environmental Complaint Handling Procedures

In September 2021, no complaint against the construction activities was received.

Table 4.4 Environmental Complaints Received in September 2021

Case Reference / Date, Time Received / Date, Time Concerned	Descriptions / Actions Taken	Conclusion / Status
Nil	N/A	N/A

Table 4.5 Outstanding Environmental Complaints Carried Over

Case Reference / Date, Time Received / Date, Time Concerned	Descriptions / Actions Taken	Conclusion / Status
Nil	N/A	N/A

#### 5. FUTURE KEY ISSUES

# 5.1 Key Issues for the Coming Month

Key issues to be considered in the coming month include:

#### Unit L11 Civil and Building Works

#### Noise Impact

• To continue executing the preventive measures for avoiding noise exceedance and keep monitoring/ reviewing the noise performance.

#### Air Impact

• To monitor and review the sufficiency of the dust suppression measures provided and increase the resources accordingly if necessary.

#### Water Impact

• To treat wastewater in sedimentation pit and tanks before discharge and to ensure compliance in accordance with the WPCO discharge licence already obtained.

#### Unit L11 Mechanical Erection

#### Noise Impact

- To continue monitoring the noise level during construction and to ensure compliance with the CNP's already obtained.
- To continue executing the preventive measures for avoiding noise exceedance and keep monitoring/reviewing the noise performance.

#### Air Impact

• To monitor and review the sufficiency of the dust suppression measures provided and increase the resources accordingly if necessary.

#### Unit L11 Electrical, Instrumentation & Control Erection

#### Noise Impact

- To continue monitoring the noise level during construction and to ensure compliance with the CNP's already obtained.
- To continue executing the preventive measures for avoiding noise exceedance and keep monitoring/ reviewing the noise performance.

#### Air Impact

• To monitor and review the sufficiency of the dust suppression measures provided and increase the resources accordingly if necessary.

#### Unit L12 Civil and Building Works

Noise Impact

• To continue monitoring the noise level during construction and to ensure compliance with the CNP's already obtained.

#### Air Impact

• To monitor and review the sufficiency of the dust suppression measures provided and increase the resources accordingly if necessary.

#### Water Impact

- To treat wastewater in sedimentation pit and tanks before discharge and to ensure compliance in accordance with the WPCO discharge licence already obtained.
- To provide silt curtain as preventive measures at Northern Cable Bridge area.

#### 5.2 Monitoring Schedules for the Next 3 Months

The tentative environmental monitoring schedules for the next 3 months are shown in Appendix C.

#### 5.3 Construction Program for the Next 3 Months

The tentative construction programs for the next 3 months are shown in Appendix J.

# 6. CONCLUSION

All monitoring work at designated stations was performed as scheduled satisfactorily. The environmental monitoring works and site inspection were performed as scheduled in the reporting month. All monitoring results were checked and reviewed.

No Action/Limit level exceedance on 1-hour and 24-hour TSP level was recorded in the reporting month.

No Action/Limit level exceedance on noise was recorded in the reporting month.

Environmental mitigation measures recommended in the EM&A manual for the construction activities were implemented in the reporting month. No complaint against the construction activities was received in the reporting month. No prosecution was received for this Project in the reporting period.

The environmental performance of the Project was generally satisfactory.

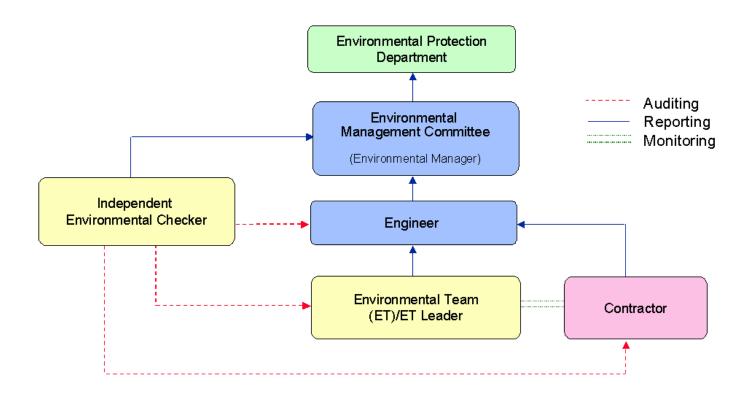


Figure A.1 Organisation of EM&A Programme at Construction Phase

# Appendix B Action and Limit Levels for Air Quality and Noise Monitoring

#### B.1. Air

Table B.1 Action and Limit Levels for 1-hour and 24-hour TSP

	Action Level, μg/m <sup>3</sup>	Limit Level, μg/m <sup>3</sup>
1-hour TSP*	340	500
24-hour TSP	190	260

\* No Action/Limit Level for 1-hour TSP is applied to AM4 where no real time dust monitor is installed.

# **B.2.** Noise

Table B.2 AL Levels for Construction Noise (Other than Percussive Piling)

Parameters	Action	Limit
Noise Levels at the NSR's at Long Tsai Tsuen/Hung Shing Ye and school within the village of Tai Wan San Tsuen predicted by the noise alarm monitoring system  Manual noise monitoring at the nearest Pak Kok Tsui residences to cable landing points N4 and N5	When one or more documented complaints are received	<ul> <li>a. 75 dB(A) in L<sub>Aeq,30 min</sub> (07:00-19:00 hrs on normal weekdays) (Note 1)</li> <li>b. subject to statutory control under the Noise Control Ordinance (07:00-23:00 hrs on holidays and 19:00-23:00 hrs on all other days). Set to 60 dB(A) in L<sub>Aeq,5 min</sub></li> <li>c. subject to statutory control under the Noise Control Ordinance (23:00-07:00 hrs of next day). Set to 45 dB(A) in</li> </ul>
		L <sub>Aeq,5 min</sub>
NI.4.		

#### Note:

1. For educational institution, the limit level shall be 70 dB(A), reduced to 65 dB(A) during examination periods.

# Appendix C Environmental Monitoring Schedule

Table C.1 Monitoring schedule for 24hr and 1hr TSP monitoring for Lamma Extension Construction (September 2021 to December 2021)

24hr TSP Monitoring	1hr TSP Monitoring
3/September/2021	3/September/2021 1500hr to 1800hr
9/September/2021	9/September/2021 1500hr to 1800hr
15/September/2021	15/September/2021 1500hr to 1800hr
21/September/2021	21/September/2021 1500hr to 1800hr
27/September/2021	27/September/2021 1500hr to 1800hr
3/October/2021	3/October/2021 1500hr to 1800hr
9/October/2021	9/October/2021 1500hr to 1800hr
15/October/2021	15/October/2021 1500hr to 1800hr
21/October/2021	21/October/2021 1500hr to 1800hr
27/October/2021	27/October/2021 1500hr to 1800hr
2/November/2021	2/November/2021 1500hr to 1800hr
8/November/2021	8/November/2021 1500hr to 1800hr
14/November/2021	14/November/2021 1500hr to 1800hr
20/November/2021	20/November/2021 1500hr to 1800hr
26/November/2021	26/November/2021 1500hr to 1800hr
2/December/2021	2/December/2021 1500hr to 1800hr
8/December/2021	8/December/2021 1500hr to 1800hr
14/December/2021	14/December/2021 1500hr to 1800hr
20/December/2021	20/December/2021 1500hr to 1800hr
26/December/2021	26/December/2021 1500hr to 1800hr

# APPENDIX D AIR QUALITY MONITORING RESULTS

Site: Lamma Power Station Extension

Month: September 2021

# 24 hour TSP Measurement:-

	TSP concentration (μg/m³)				Weather Information (From Hong Kong Observatory)		
Date	Reservoir (AM1)	East Gate (AM2)	Ash Lagoon (AM3)	Tai Yuen Village (AM4)	Mean Wind Speed (km/hr)	Prevailing Wind Dir. (°)	Mean R.H.
3/9/2021	10	17	7	13	7.1	120	79
9/9/2021	29	29	27	11	10.4	80	73
15/9/2021	38	55	28	18	18.2	250	75
21/9/2021	20	27	15	7	8.5	150	82
27/9/2021	45	40	38	43	16.3	80	75

# 1 hour TSP Measurement:-

		TSP concentration (μg/m³)				
Date	Time	Reservoir (AM1)	East Gate (AM2)	Ash Lagoon (AM3)		
2/2/2021	15:00 - 15:59	11	6	10		
3/9/2021	16:00 - 16:59	21	22	16		
	17:00 - 17:59	17	17	7		
0.40.40.00.4	15:00 - 15:59	26	17	18		
9/9/2021	16:00 - 16:59	23	27	26		
	17:00 - 17:59	32	29	28		
	15:00 - 15:59	55	88	44		
15/9/2021	16:00 - 16:59	48	76	29		
	17:00 - 17:59	40	62	19		
	15:00 - 15:59	46	30	24		
21/9/2021	16:00 - 16:59	30	21	18		
	17:00 - 17:59	24	17	19		
	15:00 - 15:59	49	41	38		
27/9/2021	16:00 - 16:59	46	42	37		
	17:00 - 17:59	43	38	39		

1-hr TSP 24-hr TSP (μg/m³) (μg/m³) 340 190 500 260

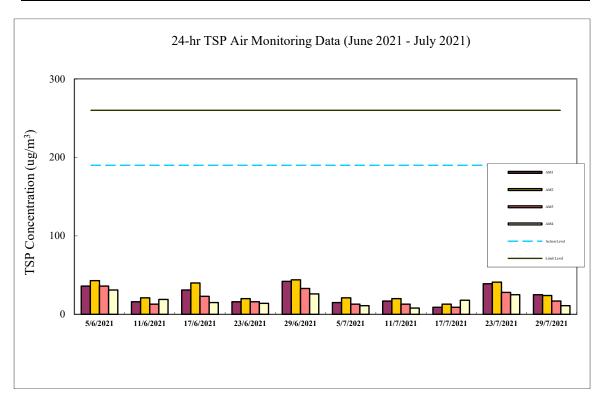
Calibration: Calibration details are shown in appendix F.

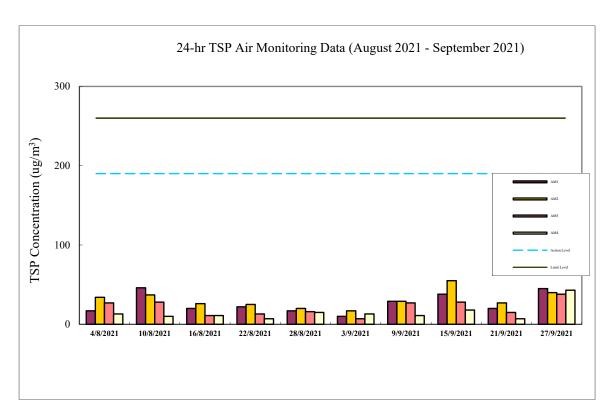
Equipment used:

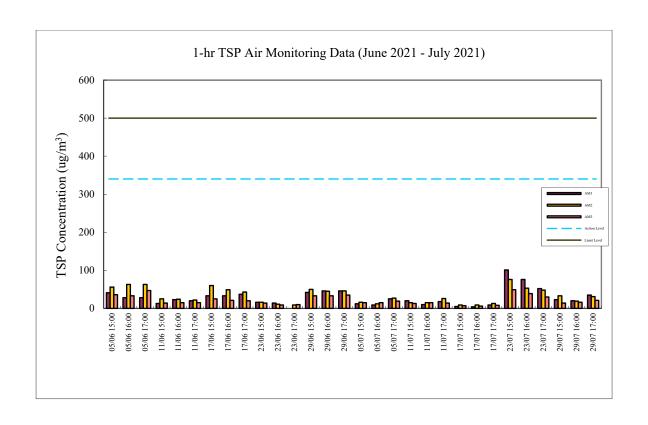
Action Level

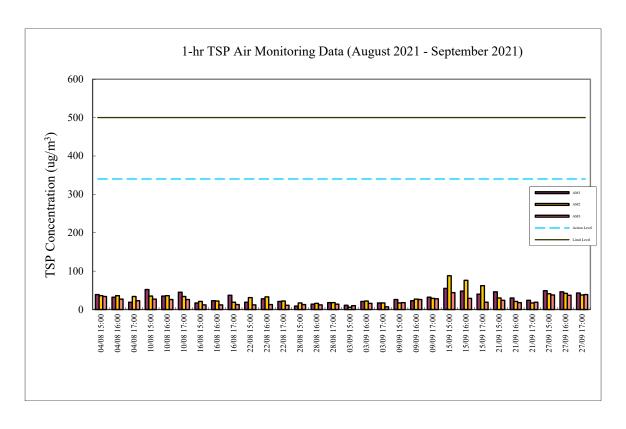
Limit Level

Location	1-hr TSP	24-hr TSP		
Reservoir, East Gate and Ash Lagoon	TEOM	TEOM		
Tai Yuen Village	-	MINIVOL Portable Sampler		









# **Appendix E** Continuous Noise Monitoring Results for September 2021

Site: Lamma Power Station Extension Construction

Measurement Location: Ash Lagoon and Ching Lam

Measurement Parameter: 30-min Leq (07:00-19:00 hrs on normal weekdays)

5-min Leq (07:00-23:00 hrs on holidays and 19:00-23:00 hrs on all other days, and 23:00-

07:00 hrs of next day)

Noise Equipment: B&K 2250 sound level meters and B&K 4231 sound

Level calibrator

Lab. Calibration Date: B&K 2250 sound level meters - 28/06/2020 (Ash Lagoon)

03/09/2021 (Ching Lam)

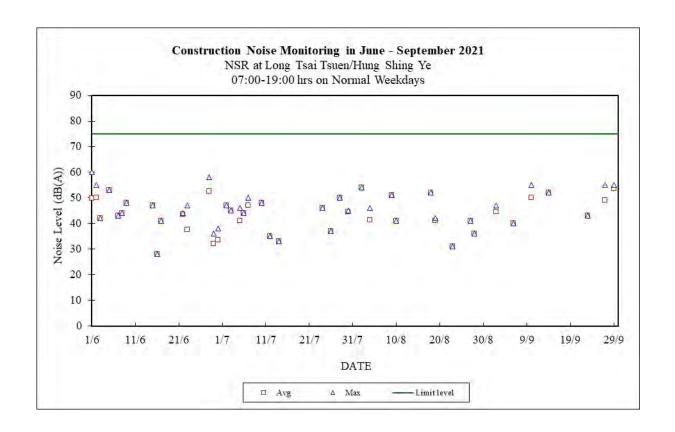
B&K 4231 calibrator - 05/10/2020

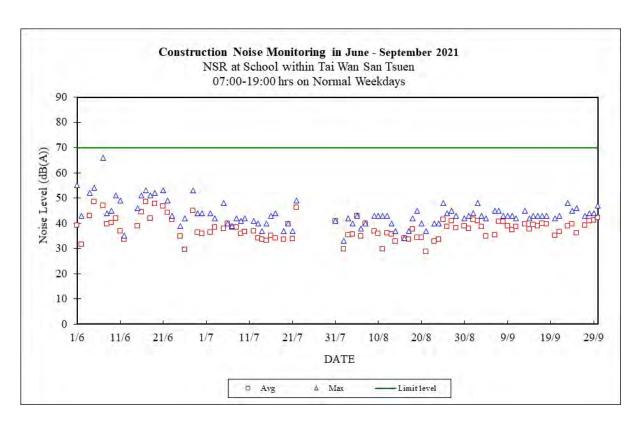
		Calcula	ated		Calcula	ated	
	Noise				Noise Level at		
		Level at NSR at Long		Limit	NSR at the		Limit
				Noise	school		Noise
Date	Time	Tsai		Level	within	Tai	Level
		Tsuen/H	lung	(dB(A))	Wan Sar		(dB(A))
		Shing Y	<i>l</i> e	(QB(A))	Tsuen	1	(UB(A))
		(dB(A)	)		(dB(A))	١	
		Max	Avg		Max	Avg	-
01/09/2021	07:00-19:00			75	44	41	70
01/09/2021	19:00-23:00			60	42	36	60
01/09/2021	23:00-07:00	45	36	45	45	36	45
02/09/2021	07:00-19:00	47	45	75	48	41	70
02/09/2021	19:00-23:00			60	47	41	60
02/09/2021	23:00-07:00	43	38	45	44	37	45
03/09/2021	07:00-19:00			75	43	39	70
03/09/2021	19:00-23:00			60	48	39	60
03/09/2021	23:00-07:00	40	37	45	44	39	45
04/09/2021	07:00-19:00			75	42	35	70
04/09/2021	19:00-23:00	39	39	60	60	42	60
04/09/2021	23:00-07:00			45	45	40	45
05/09/2021	07:00-23:00	47	41	60	51	39	60
05/09/2021	23:00-07:00	43	37	45	45	36	45
06/09/2021	07:00-19:00	40	40	75	45	35	70
06/09/2021	19:00-23:00			60	52	44	60
06/09/2021	23:00-07:00	40	36	45	45	37	45
07/09/2021	07:00-19:00			75	45	41	70
07/09/2021	19:00-23:00	38	38	60	47	38	60
07/09/2021	23:00-07:00	45	40	45	45	37	45
08/09/2021	07:00-19:00			75	43	41	70
08/09/2021	19:00-23:00			60	44	41	60
08/09/2021	23:00-07:00	42	40	45	43	39	45
09/09/2021	07:00-19:00			75	43	39	70
09/09/2021	19:00-23:00			60	47	38	60
09/09/2021	23:00-07:00			45	44	37	45
10/09/2021	07:00-19:00	55	50	75	43	37	70
10/09/2021	19:00-23:00			60	41	34	60
10/09/2021	23:00-07:00	44	44	45	43	37	45
11/09/2021	07:00-19:00			75	42	39	70
11/09/2021	19:00-23:00			60	46	40	60
11/09/2021	23:00-07:00	40	40	45	42	37	45
12/09/2021	07:00-23:00	43	41	60	47	37	60
12/09/2021	23:00-07:00	44	40	45	42	38	45
13/09/2021	07:00-19:00			75	45	40	70
13/09/2021	19:00-23:00			60	44	41	60

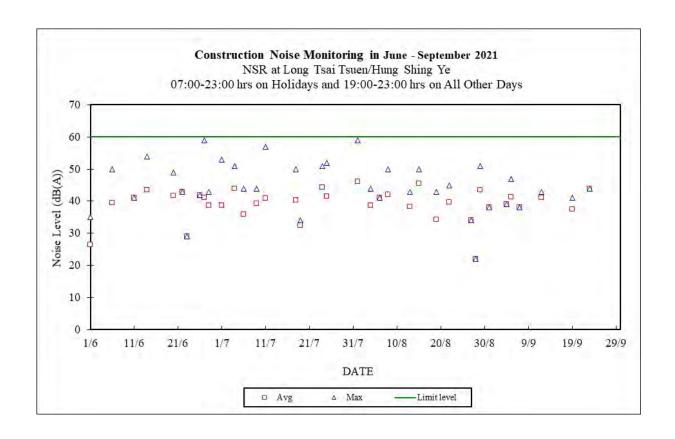
13/09/2021	23:00-07:00	45	42	45	40	37	45
14/09/2021	07:00-19:00	52	52	75	42	38	70
14/09/2021	19:00-23:00			60	42	38	60
14/09/2021	23:00-07:00	45	41	45	40	35	45
15/09/2021	07:00-19:00			75	43	39	70
15/09/2021	19:00-23:00			60	43	39	60
15/09/2021	23:00-07:00	44	39	45	41	37	45
16/09/2021	07:00-19:00			75	43	39	70
16/09/2021	19:00-23:00			60	41	36	60
16/09/2021	23:00-07:00	45	40	45	41	36	45
17/09/2021	07:00-19:00			75	43	40	70
17/09/2021	19:00-23:00			60	49	37	60
17/09/2021	23:00-07:00			45	43	39	45
18/09/2021	07:00-19:00			75	43	40	70
18/09/2021	19:00-23:00			60	45	37	60
18/09/2021	23:00-07:00			45	42	36	45
19/09/2021	07:00-23:00	41	37	60	44	35	60
19/09/2021	23:00-07:00	39	35	45	41	33	45
20/09/2021	07:00-19:00	-		75	42	35	70
20/09/2021	19:00-23:00			60	39	32	60
20/09/2021	23:00-07:00	43	37	45	43	37	45
21/09/2021	07:00-19:00			75	43	37	70
21/09/2021	19:00-23:00	-		60	40	32	60
21/09/2021	23:00-07:00	30	30	45	40	35	45
22/09/2021	07:00-23:00	-	-	60	46	36	60
22/09/2021	23:00-07:00			45	42	39	45
23/09/2021	07:00-19:00	43	43	75	48	39	70
23/09/2021	19:00-23:00	44	44	60	47	39	60
23/09/2021	23:00-07:00			45	45	40	45
24/09/2021	07:00-19:00			75	45	40	70
24/09/2021	19:00-23:00			60	54	39	60
24/09/2021	23:00-07:00			45	43	37	45
25/09/2021	07:00-19:00			75	46	36	70
25/09/2021	19:00-23:00			60	45	38	60
25/09/2021	23:00-07:00			45	43	39	45
26/09/2021	07:00-23:00			60	48	35	60
26/09/2021	23:00-07:00			45	43	36	45
27/09/2021		55	49	75	43	39	70
27/09/2021	19:00-23:00			60	44	38	60
27/09/2021	23:00-07:00	42	36	45	41	36	45
28/09/2021	07:00-19:00			75	44	41	70
28/09/2021	19:00-23:00			60	45	39	60
28/09/2021	23:00-07:00	44	38	45	43	37	45
29/09/2021	07:00-19:00	55	54	75	44	41	70
29/09/2021	19:00-23:00		4.1	60	43	40	60
29/09/2021	23:00-07:00	45	41	45	44	39	45
30/09/2021	07:00-19:00			75	47	42	70
30/09/2021	19:00-23:00			60	45	39	60
30/09/2021	23:00-07:00			45	42	38	45

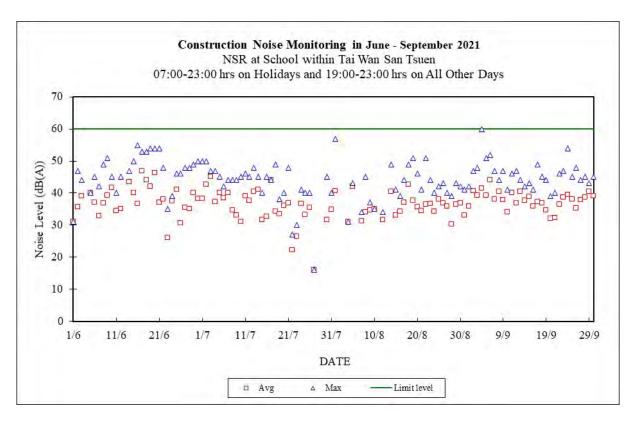
#### Note:

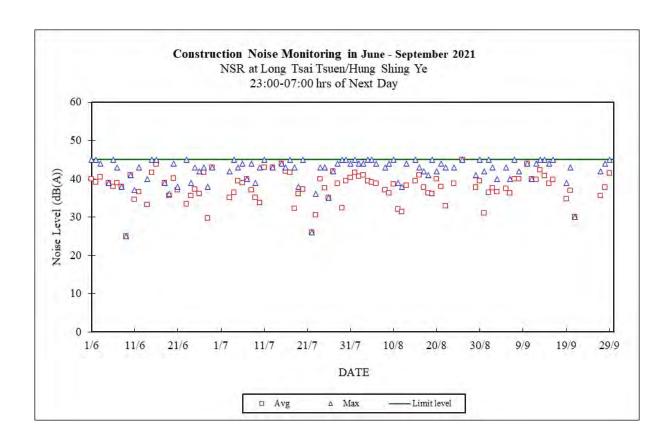
- a. "---" represents the measured noise monitoring data lower than the established notional background level/discarded under strong wind.
- b. Continuous noise monitoring was also carried out at holidays & evening-time (07:00-23:00 hrs on holidays and 19:00-23:00 hrs on all other days) and night-time (23:00-07:00 hrs of next day).

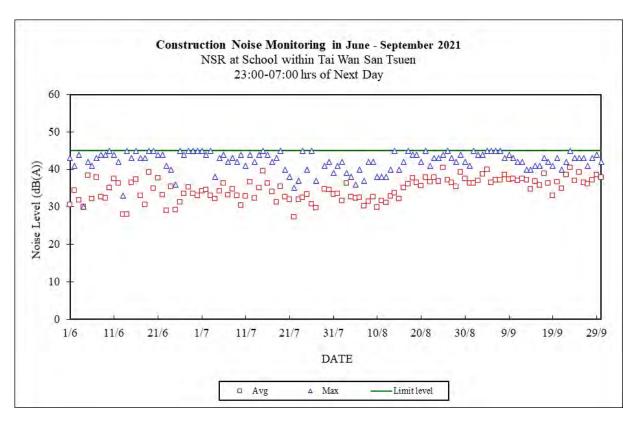












## Appendix F

The QA/QC Procedures and Results

# The Hongkong Electric Co., Ltd. Lamma Power Station Extension TEOM Continuous Dust Monitor Data Quality Assurance Log Sheet

Month: Sep Year: 2021

Reservoir (AMI)					
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow(I/m in) (2.70 - 3.30)	Bypass Flow(l/min) (12.30 - 15.04)	
3/9/2021	269.997	4	2.97	12.46	
9/9/2021	269.774	4	2.91	13.18	
15/9/2021	269.379	4	2.90	10.86	
21/9/2021	269.001	4	2.93	10.79	
27/9/2021	268.662	4	2.93	12.33	

East Gate (AM2)				
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow(I/m in) (2.70 - 3.30)	Bypass Flow (l/min) (12.30 - 15.04)
3/9/2021	250.328	4	2.92	13.30
9/9/2021	250.068	4	2.92	13.33
15/9/2021	251.793	4	2.92	13.32
21/9/2021	251.338	4	2.92	13.32
27/9/2021	251.018	4	2.94	13.36

Ash Lagoon (AMB)					
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow(I/m in) (2.70 - 3.30)	Bypass Flow(l/min) (12.30 - 15.04)	
3/9/2021	256.732	4	3.00	13,68	
9/9/2021	256.569	4	3.00	13,68	
15/9/2021	256.864	4	3.00	13,68	
21/9/2021	256.566	4	3.00	13.68	
27/9/2021	256.285	4	3.00	13,68	

Maintenance Record					
	Reservoir	East Gate	Ash Lagoon		
TEOM Filter Exchange	1	- V.	/		
Clean TSP Inlet	1	1	· ·		
Replace flow in-line filter	/	/	/		
Pum p Repair					
Leak Check					
Flowaudit					
Flow Controller Calibration					
A/C filter cleaning					

Remarks:

### The Hongkong Electric Co., Ltd. Mini Volume Air Sampler Site Visit Log Sheet

Attendance Log	Site Name: Tai Yuen Village (AM4)

Date/Time	Staff Name	
17/09/2021 / 10:15	W.M. Tam	

#### Equipment / Item

Equipment / Item	Serial No. / No.	
MINIVOL	5580	
Used filter paper no.	MR58	
New filter paper no.	MR59	

Type of filter: Glass-fibre

Calibration is performed by using Drycal DC-2 Flow Calibrator
 5 std. L/min set point is recommended

Before: 5.019

After: 5.019 (No Adjustment)

II. General Services

Clean Rotameter: Yes
 Clean / Replace Pump Valves: No
 Clean / Replace Pump Diaphragms: No
 Clean Impaction Inlet: Yes
 Replace Timer Battery Every 6 months: No
 Replace Inlet Filter: Yes

#### Remarks

N/A

Conducted by: W.M. Tam Checked by: SM Hon

## The Hongkong Electric Co., Ltd. Lamma Power Station Extension Noise Monitoring Station Site Visit Log Sheet

Location: Ash Lagoon

Date/Time	Staff Attended
17/9/2021 / 14:00	WM Tam

Equipment	Serial No.
B&K 2250	3024699

1. Calibration

Acoustic calibrator: B&K 4231 (S/N: 3014754)

Noise level measured in calibration: 93.4 (94 ±1.0 dBA)

- 2. Weather Conditions
  - a. Fine
  - b. Calm
- 3. Remark/Observation

N/A

Prepared by: <u>WM Tam</u> Checked by: <u>TL Chu</u>

## The Hongkong Electric Co., Ltd. Lamma Power Station Extension Noise Monitoring Station Site Visit Log Sheet

Location: Ching Lam

Date/Time	Staff Attended	
28/9/2021 / 14:00	WM Tam / Brian So	

Equipment	Serial No.	
B&K 2250	3008903	

1. Calibration

Acoustic calibrator: B&K 4231 (S/N: 3014754)

Noise level measured in calibration: 94.0 (94 ±1.0 dBA)

2. Weather Conditions

- a. Sunny
- b. Calm
- 3. Remark/Observation

N/A

Prepared by: <u>VVM Tam</u> Checked by: <u>TL Chu</u>

#### Appendix G Event/Action Plans

Table G.1 Event and Action Plans for Air Quality

Event	Monitoring		Action		
	ET Leader	IEC	Engineer	Contractor	
Action Level					
Exceedance of one sample	Identify source Inform Engineer and IEC verbally Repeat measurement to confirm finding	Check monitoring data submitted by ET and advise Engineer.	Notify Contractor Checking monitoring data and contractor's working methods	Rectify any unacceptable practice amend any working methods if appropriate	
Exceedance of two or more consecutive samples	Identify source Inform Engineer and IEC verbally Repeat measurement to confirm finding Increase monitoring frequency Discuss with Engineer and Contractor on remedial actions required If exceedance continues, arrange meeting with Engineer If exceedance stops, discontinue additional monitoring	Check monitoring data submitted by ET and advise Engineer.  Provide feedback to the Engineer on the remedial actions proposed by the ET / Contractor  Advise Engineer on the effectiveness of the proposed remedial measures  Verify the implementation of the remedial measures	Confirm receipt of notification of failure in writing Notify contractor Checking monitoring data and contractor's working methods Discuss proposed remedial actions with the ET and Contractor Ensure remedial actions properly implemented	Submit proposals for remedial actions to Engineer within 3 working days of notifications Implement the agreed proposals  Amend proposal if appropriate	
Limit level					
Exceedance of one sample	Repeat measurement to confirm finding. Identify the source(s) of the impact. If the exceedance is found to be valid and due to the Construction works, verbally advise the Contractor, Engineer and IEC, and inform the EPD of the exceedance, as soon as practicable. Increase monitoring frequency to daily Assess the effectiveness of the contractor's remedial actions and keep Engineer, IEC and EPD informed of the results	Check monitoring data submitted by ET and advise Engineer Provide feedback to the Engineer on the remedial actions proposed by the ET / Contractor Advise Engineer on the effectiveness of the proposed remedial measures Verify the implementation of the remedial measures	Confirm receipt of notification of failure in writing Notify Contractor Checking monitoring data and Contractor's working method Discuss with ET and Contractor on remedial actions to be provided Ensure remedial measures properly implemented	Take immediate action to avoid further exceedance Submit proposals for remedial actions to Engineer within 3 working days of notifications Implement the agreed proposals Amend proposal if appropriate	
Exceedance of two or more	Identify source	Provide feedback to the Engineer on the remedial actions proposed by the	Confirm receipt of notification of	Take immediate action to	

Event	Monitoring		Action			
	ET Leader	IEC	Engineer	Contractor		
consecutive	If the exceedance is found to be valid	ET / Contractor	failure in writing	avoid further exceedance		
samples	and due to the construction works, verbally advise the Contractor, Engineer	Advise Engineer on the effectiveness of the proposed remedial measures	Checking monitoring data and Contractor's working methods	Submit proposals for remediactions to Engineer within 3		
	and IEC, and inform the EPD of the exceedance as soon as practicable.	Verify the implementation of the	Notify Contractor	working days of notification		
	Repeat measurement to confirm finding	remedial measures	Discuss proposed remedial actions with ET and Contractor	Implement the agreed proposals		
	Increase monitoring frequency to daily Carry out analysis of Contractor's		Ensure remedial measures properly implemented	Resubmit proposals if probl still not under control		
	working procedures to determine possible mitigation to be implemented		If exceedance continues, consider what portion of the work is	Stop the relevant portion of works as determined by the		
	Arrange meeting with Engineer and Contractor to discuss the remedial actions to be taken		responsible and instruct the Contractor to stop the portion of work until the exceedance is abated	Engineer until the exceedance is abated		
	If exceedance stops, discontinue additional monitoring					

Table G.2 Event and Action Plans for Construction Noise

Exceedance	ET Leader	IEC	Engineer	Contractor
Action Level	Undertake noise measurement/check monitoring data to establish validity of complaint.	Review the analysed results submitted by the ET.	Notify Contractor of the complaint if proven.	Submit proposals for remedial actions to Engineer.
	If the complaint is valid, inform Engineer and IEC verbally.	Review the remedial measures proposed by the Contractor and advise the Engineer and ET accordingly.	Check Contractor's working methods and advise IEC and ET accordingly.	Amend proposals if required by the Engineer.
	Identify the source(s) of the noise.	Verify the implementation of the remedial measures.	Remind the Contractor of his contractual obligations and discuss remedial actions.	Implement the remedial actions immediately upon instruction from the Engineer.
	Discuss remedial actions required with Contractor and Engineer.		Keep the Contractor informed of the efficacy of remedial actions.	Liaise with the Engineer to optimise the effectiveness of the agreed mitigation.
	Increase manual monitoring frequency to assess efficacy of remedial measures.			
	If exceedance continues, review implementation of appropriate mitigation measures.			
Limit Level	Repeat manual measurement/check monitoring data to confirm findings.	Agree potential remedial actions with Engineer, ET and Contractor.	Notify Contractor of exceedance.	Take immediate action to avoid further exceedance.
	Identify the source(s) of the impact. If the exceedance is found to be valid and due to	Review Contractor's remedial actions / measures to ensure their effectiveness	Check Contractor's working methods and advise IEC and ET accordingly.	Submit proposals for remedial actions to Engineer.
	the Construction works, verbally advise the Contractor, Engineer and IEC, and inform the EPD of the exceedance, as soon as practicable.	and advise the Engineer and ET accordingly.	Discuss with Contractor the remedial actions to be implemented.	Amend proposals if required by the Engineer.
		Verify the implementation of the remedial measures	Keep the Contractor informed of the efficacy of remedial actions.	Implement remedial actions immediately
	Discuss remedial actions required with Engineer.		If the exceedance continues, consider	upon instruction from the Engineer.
	Increase manual monitoring frequency to assess efficacy of remedial measures.		what portion of the work is responsible and instruct the Contractor to stop the portion of work until the exceedance is abated	If the exceedance continues, consider what portion of the work is responsible and, as instructed by the Engineer, stop the portion of work until the exceedance is abated

Table G.3 Event and Action Plans for Water Quality

Exceedance	ET Leader	IEC	Engineer	Contractor
Action level exceeded on one sampling day	Verbally inform the Contractor, and IEC. Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with Engineer and Contractor; Repeat measurement on next day of exceedance.	Provide feedback to the Engineer on the remedial actions proposed by the ET / Contractor  Advise Engineer on the effectiveness of the proposed remedial measures  Verify the implementation of the remedial measures	Discuss with Contractor the proposed mitigation measures; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures.	Inform the Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Propose and discuss mitigation measures with Engineer; Implement the agreed mitigation measures.
Action level exceeded on more than one consecutive sampling day	Repeat in-situ measurements to confirm findings; Identify source(s) of impact; Inform Contractor and IEC; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measure with Engineer and Contractor; Ensure mitigation measures are implemented; Prepare to increase the monitoring frequency to daily; Repeat measurement on next day of exceedance.	Provide feedback to the Engineer on the remedial actions proposed by the ET / Contractor  Advise Engineer on the effectiveness of the proposed remedial measures  Verify the implementation of the remedial measures	Discuss with ET and Contractor on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures.	Inform the Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Propose mitigation measures to Engineer within 3 working days and discuss with ET and Engineer; Implement the agreed mitigation measures.
Limit level exceeded on one sampling day	Verbally inform the Contractor, IEC and the EPD of the exceedance; Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Check monitoring data, all plant,	Provide feedback to the Engineer on the remedial actions proposed by the ET / Contractor  Advise Engineer on the effectiveness of the proposed remedial measures  Verify the implementation of the remedial measures	Discuss with Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the	Inform the Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Propose mitigation measures to Engineer

Exceedance	ET Leader	IEC	Engineer	Contractor	
	equipment and Contractor's working methods;		implemented mitigation measures.	within 3 working days and discuss with Engineer;	
	Discuss mitigation measure with Engineer and Contractor;			Implement the agreed mitigation measures.	
	Ensure mitigation measures are implemented;				
	Increase the monitoring frequency to daily until no exceedance of Limit level.				
Limit level exceeded by more than one	Repeat in-situ measurement to confirm findings; Identify source(s) of impact;	Provide feedback to the Engineer on the remedial actions proposed by the ET / Contractor	Discuss with Contractor on the proposed mitigation measures; Request Contractor to critically	Inform the Engineer and confirm notification of the non-compliance in writing;	
consecutive sampling day	Inform Contractor, IEC and EPD;	Advise Engineer on the effectiveness of the	review the working methods;	Rectify unacceptable practice;	
ampning day	Check monitoring data, all plant, equipment and Contractor's	proposed remedial measures  Verify the implementation of the remedial measures	Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the	Check all plant and equipment; Consider changes of working methods;	
	working methods;			Propose mitigation measures to Engineer	
	Discuss mitigation measure with Engineer and Contractor;		implemented mitigation measures; Consider and instruct, if necessary,	within 3 working days and discuss with Engineer;	
	Ensure mitigation measures are implemented;		the Contractor to slow down or to stop all or part of the marine works	Implement the agreed mitigation measures	
	Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days.		until no exceedance of the Limit Level.	As directed by the Engineer, to slow down or to stop all or part of the marine work	

#### **Appendix H** Summary of Site Audit Findings

L11 Civil and Building Works
<u>Dates of Inspection</u> : 7/9/2021, 16/9/2021, 21/9/2021 and 28/9/2021.
Cummany of Eindings
Summary of Findings
General
- No environmental deficiency identified.
Air Quality
- No environmental deficiency identified.
Noise
- No environmental deficiency identified.
Water Quality
- No environmental deficiency identified.
Waste Management
<ul> <li>No environmental deficiency identified.</li> </ul>

# L11 Mechanical, Electrical, Instrumentation & Control Erection Works Dates of Inspection: 2/9/2021, 9/9/2021, 16/9/2021, 23/9/2021 and 30/9/2021. Summary of Findings General

No environmental deficiency identified.

Air Quality

No environmental deficiency identified.

Noise

No environmental deficiency identified.

Water Quality

No environmental deficiency identified.

Waste Management

- No environmental deficiency identified.

#### L12 Civil and Building Works

Dates of Inspection: 7/9/2021, 16/9/2021, 21/9/2021 and 28/9/2021.

#### **Summary of Findings**

#### General

- No environmental deficiency identified.

#### Air Quality

No environmental deficiency identified.

#### Noise

- No environmental deficiency identified.

#### Water Quality

- No environmental deficiency identified.

#### Waste Management

No environmental deficiency identified.

#### **Summary of EMIS**

#### **Power Station – (Part B of EIA Report)**

#### **Construction Phase Mitigation Measures and their Implementation**

EM&A Log Ref.	Mitigation Measures	Implementation Status
	AIR QUALITY	
A1	For general construction works, the dust control measures stipulated under the Air Pollution Control (Construction Dust) Regulation shall be complied with, such as:	
	the haul roads shall be sprayed with water to keep the entire road surface wet.	С
	• the load carried by vehicle shall be covered by impervious sheeting to ensure no leakage of dusty materials from the vehicle.	С
	the heights from which fill materials are dropped shall be controlled to a practical level to minimise the fugitive dust arising from unloading.	С
A2	For the concrete batching plant, the following control measures are recommended:	
	• loading, unloading, handling, transfer or storage or any dusty materials shall be carried out in a totally enclosed system.	С
	The materials which may generate airborne dust emissions shall be wetted by water spray system.	С
	All receiving hoppers shall be enclosed on three sides up to 3m above unloading point.	С
	All conveyor transfer points shall be totally enclosed.	С
	WATER QUALITY	
B1	Silt curtains shall be installed on the eastern, southern and north western sides of the reclamation site during dredging for the reclamation construction. This is a required mitigation measure for the construction works and shall be implemented prior to the commencement of bulk dredging. **	N/A
В3	As a necessary operational constraint combined bulk dredging and sand filling for site formation shall not be permitted at any time. In addition, sand filling for site platform shall take place behind constructed sea walls which pierce the water surface. **	N/A
B4	HEC shall ensure design to divert all storm drains away from Hung Shing Ye Bay. **	N/A
B5	Sand fill for the rubble mound seawalls shall be placed by controlled pumping down the trailer arm. **	N/A
В6	EM&A shall confirm the acceptability of any impacts during construction and should any unacceptable impacts be found then one or more of the following mitigation measures shall be implemented: **	N/A
	<ul> <li>reducing the number of dredgers working at any one time;</li> <li>reducing the rate of working of the dredgers;</li> <li>temporary suspension of operations;</li> <li>phasing of the works so that dredging / filling is only undertaken at certain stages of the tidal cycle.</li> </ul>	

EM&A Log Ref.	Mitigation Measures	Implementation Status
В7	In addition to the above specific measures the following general working procedures shall be adopted. **	
	fully-enclosed or watertight grabs shall be used to minimise loss of sediment during the raising of loaded grabs through the water column;	N/A
	the descent speed of grabs shall be controlled to minimise the seabed impact speed and to reduce the volume of over dredging;	N/A
	barges shall be loaded carefully to avoid splashing of material;	N/A
	all barges used for the transport of dredged materials shall be fitted with tight bottom seals in order to prevent leakage of material during loading and transport;	N/A
	all barges shall be filled to a level which ensures that material does not spill over during loading and transport to the disposal site and that adequate freeboard is maintained to ensure that the decks are not washed by wave action;	N/A
	• the speed of trailer dredgers shall be controlled to prevent propeller wash from stirring up the sea bed sediments;	N/A
	"rainbowing" sand fill from trailer dredgers shall not be permitted; and	N/A
	the works shall cause no visible foam, oil, grease or litter or other objectionable matter to be present in the water within and adjacent to the dredging site and along the route to the disposal site.	N/A
B8	Cumulative impacts shall be assessed through EM&A. Co-ordination with the EM&A consultants for other projects to determine if any exceedances are caused by the other projects or by HEC's activities. Should monitoring results indicate exceedances at sensitive receivers due to HEC's activities, then the above described mitigation measures shall be implemented until impacts reduce to acceptable levels.	N/A
	NOISE	
C1	General noise mitigation measures shall be employed at all work sites throughout the construction phase.	С
C2	Mitigate against general construction noise during Sunday's and public holidays, either at source with portable noise barriers, or by rescheduling of some PMEs to less sensitive time periods.	С
С3	Mitigate against night time noise from dredging equipment, with silencers or mufflers. **	N/A
	LANDSCADE & VISUAL IMDACTS	
D1	LANDSCAPE & VISUAL IMPACTS  The following mitigation measures shall be allowed for landscape and visual	
וטו	improvement:	
	Use rubble mound seawall along south and west edges of the reclamation to provide a more natural look.	С
	Break the mass of main buildings by varying the height/division into smaller units.	С
	Plant trees and vegetation for screening.	С
	Adopt colour scheme to blend the buildings into the scenery.	С

EM&A Log Ref.	Mitigation Measures	Implementation Status
	WASTE MANAGEMENT	
E1	HEC to submit a Waste Management Plan for the construction phase to EPD. The Plan shall be verified by the IEC and shall describe the arrangements for avoidance, reuse, recovery and recycling, storage, collection, treatment and disposal of different categories of waste to be generated from the construction activities and shall take into account the recommendations of the EIA report.	С
	Dredging Waste	
E2	All vessels for marine transportation of dredged sediment shall be fitted with tight fitting seals to their bottom openings to prevent leakage of materials. In addition, loading of barges and hoppers shall be controlled to prevent splashing of dredged material into the surrounding water, and barges or hoppers should under no circumstances be filled to a level which shall cause the overflowing of materials or polluted water during loading or transportation**	N/A
	Storage, Collection and Transport of Waste	
E3	Minimise windblown litter and dust during transportation by either covering trucks or transporting wastes in enclosed containers.	С
	Obtain the necessary waste disposal permits from the appropriate authorities, if they are required, in accordance with the Waste Disposal Ordinance (Cap.354), Waste Disposal (Chemical Waste) (General) Regulation (Cap.354), the Crown Land Ordinance (Cap 28), Dumping at Sea Ordinance (Cap 466) and Work Branch Technical Circular No. 22/92, Marine Disposal of Dredged Mud.	С
	Disposal of waste at Licensed sites;	С
	Develop procedures such as a ticketing system to facilitate tracking of marine mud and chemical waste, and to ensure that illegal disposal does not occur;	С
	<ul> <li>Segregate and sort the waste materials into 3 categories:</li> <li>public fill (e.g. concrete and rubble) for re-use on-site or disposal at a public filling area;</li> <li>re-use and/or recycling waste (e.g. steel and other metals);</li> <li>waste which cannot be re-used and/or recycled (e.g. wood, glass and plastic) for landfill disposal.</li> </ul>	С
	The sorting process shall be carefully monitored to avoid missing of the 3 categories. Different types of wastes shall be stockpiled and stored in different containers or skips to enhance re-use or recycling of materials and their proper disposal.	
	Maintain records of the quantities of wastes generated and disposed off-site for each category of waste.	С
E4	Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, shall be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes	С
	LAND CONTAMINATION	
F1	No land Contamination mitigation measures are required during the construction phase.	N/A
		•
	MARINE ECOLOGY	

EM&A Log Ref.	Mitigation Measures	Implementation Status
G1	All percussive piling works shall be conducted on reclaimed land to avoid noise impact to marine mammals**	N/A
G2	All construction related vessels shall approach the extension site from the north and via the East Lamma Channel to avoid disturbance to the finless porpoise**	N/A
G3	Rubble mound seawall to the south and west edges of the reclamation to enhance recolonisation of marine organisms**	N/A
G4	Artificial Reefs of a volume not less than 400 m³ shall be deployed in a location to be decided upon consultation with the Director of Agriculture and Fisheries to serve the purpose of an Additional Habitat Enhancement Measure.**	N/A
	FISHERIES	
H1	No Fisheries-specific mitigation measures are required during the construction phase.	N/A
	RISK ASSESSMENT	
I1	No risk mitigation measures are required during the construction phase.	N/A

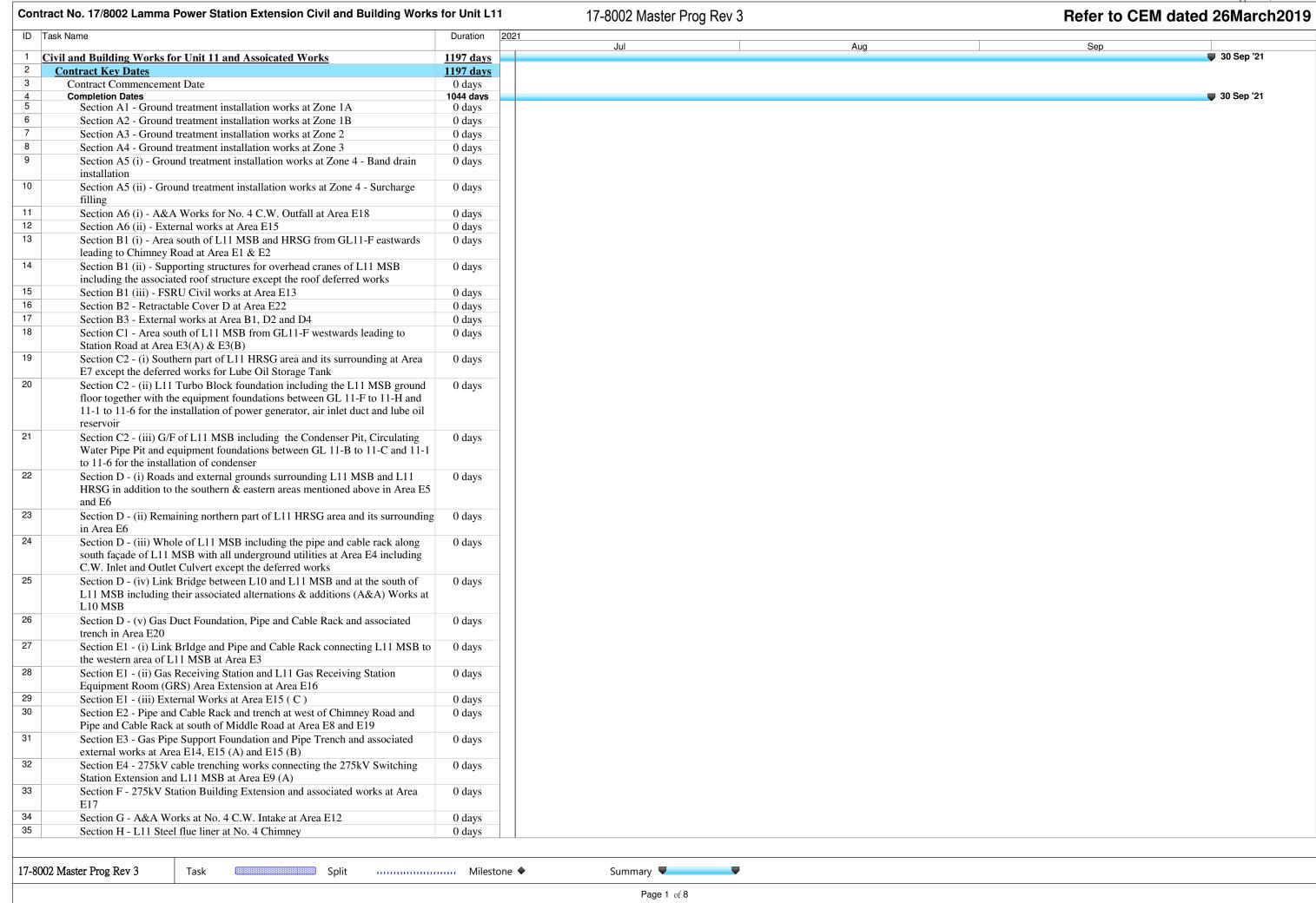
#### Remarks:

No dredging and reclamation work would be involved for L11 & L12 construction Compliance with mitigation measure Non-compliance with mitigation measure Not Applicable \*\*

C

NC

N/A



	act No. 17/8002 Lamma Power Station Extension Civil and Building Works		17 0002 Maddel 1 10g 1.00 0				Refer to CEM dated 26March2			
	ask Name	Duration	2021	Jul			Aug		Sep	
5	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	0 days		- Cui			7.0g	-	<u></u>	'
$\top$	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	0 days								
T	Section J - (i) Demolition of Retractable Cover A&B & (ii) Foundation of	0 days	4 and A&A fo	or Existing Bund Wall at	Area E21					
	LMX Light Oil Storage Tank Nos. 3 & 4 and A&A for Existing Bund Wall at	o unjo		· ·						
+	Section K1 - External works at Area 15 (E) and 15(F)	0 days								
+	Section K2 - Removal of Southern Bund and External Works at Area D5, D6	0 days	ν I Works at Δ	rea D5, D6 and D7						
	and D7	0 days								
1	Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	0 days								Section K3 - Al
2	General & Preliminary	318 days								
	Set up Temporary Site Office and Utilities	90 days								
	Permit Applications & Statuary Submissions	120 days								
$\top$	Existing Utilities scanning & Excavation Permit	45 days								
$\top$	Tower Crane erection 2@MSB, 1@ 275	50 days								
	Submission and Approval	554 days								
	Method Statement / Temp Work Submission & Approval from HEC for General	240 days								
	Works									
	BD Approval & Consent (If required)	120 days								
	BIM Model, CSD & CBWD Submission & Approval from HEC	200 days								
	Structure Steelwork Connection Design Submission & BD Approval	60 days								
	Structure Steelwork Shop Drawing & Approval	60 days								
;	Metal Cladding, louvre & windows submission & BD Approval	60 days								
	Metal Cladding, louvre & windows shop drawing submission	60 days								
;	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	180 days								
5	Retractable Cover D BD Submission & Approval	90 days								
7	No. 4 C.W. Outfall A&A BD 1st Submission	90 days								
	Sumission & Approval of Steel Flue Assessment Report and Design Drawings	60 days								
	Submission and Approval of Steel Flue Design from BD	60 days								
)	Material Fabrication & Delivery for L11 Flue	100 days								
	Folding Shutters Shop Drawing Submission & Approval	120 days								
:	Fabrication & Delivery of Folding Shutters	150 days								
3	Sewage Pump System Design submission & approval	90 days								
1	Fabrication & Delivery of Sewage Pump	180 days								
5	Other material submission & approval & delivery	300 days								
3	Coordination with the Employer's Specialist Contractors	478 days								
•	Installation of Puddle Pipes at C.W. outlet Culvert	7 days								
	Installation of Puddle Pipes at C.W. Inlet Culvert	7 days								
	Template setting at L11 Turbo Block Foundation	60 days								
	Template setting at LTT Turbo Block Poundation  Template setting of holding down bolts at HRSG column base	46 days								
	I-beam / channel base installation on top of transformer foundations at	30 days								
	Transformer Area  Overhead crane erection at turbine hall using access through a temporary opening	36 days								
	at L11 MSB roof between GL11-G to 11-H and 11-2 to 11-6									
3	Condenser assembly and erection using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-B to 11-C including a clear space below 1/F between GL 11-B to 11-C	127 days								
ı	Installation of power train equipment including air inlet duct using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-F to 11-H including a clear space below 1/F of the above area	142 days								
5	Installation of embedded materials such as holding down bolts for equipment foundations - Commencement	30 days								
,	Section A1 & A2 - Ground treatment at Zone 1A & 1B  Plant establishment for earthworks	92 days 7 days								
+	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	45 days								
_	Delivery of band drain	5 days								
	Plant establishment for band drain (1st rig)	10 days	-							
_	Plant establishment for band drain (1st rig)  Plant establishment for band drain (2nd rig)		-							
2		7 days								
	Plant establishment for band drain (3rd rig)	7 days								

ntract No. 17/8002 Lamma Power Station Extension Civil and Building Wo		17-8002 Master Prog Rev 3		Refer to CEM dated 26March2		
Task Name	Duration 2021	Jul	Aug	Sep		
Vert. Band drain installation (1023 nos. x 44m)	45 days		·	·		
Deposition of surcharge up to +8.3mPD	45 days					
Section A3 - Ground treatment installation works at Zone 2	158 days					
Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	30 days					
Delivery of band drain  Vert. Band drain installation (1787 nos. x 44m)	6 days					
Deposition of surcharge up to +8.3mPD	50 days 60 days					
Additional Concrete Blocks + Extra Surcharge	60 days					
Section A4 - Ground treatment installation works at Zone 3	131 days					
Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	12 days					
Vert. Band drain installation	60 days					
Deposition of surcharge up to +8.3mPD	45 days					
Possession of Part 1 Defer portion at Zone 3 Vert. Band drain installation	0 days					
Possession of Part 2 Defer portion at Zone 3	10 days 0 days					
Vert. Band drain installation	7 davs					
Surcharge at deferred portion  Section A5 (i) - Ground treatment installation works at Zone 4	14 days 83 days					
Site Preparation for Vertical Band Drain	3 days					
Band drain installation	21 days					
Possession of Defer portion at Zone 4	0 days					
Vert. Band drain installation  Section A5 (ii) - Surcharge works at Zone 4	28 days					
Section A5 (ii) - Surcharge works at Zone 4  Deposition of surcharge up to +8.3mPD	30 days 30 days					
Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	493 days					
BD Amendment, resubmission & approval for Jacking Pit	170 days					
Consent for Jacking Pit ELS	28 days					
Mobilization	0 days					
Jacking Pit Sheetpile Installation (incl. Stop work notice + CNY)	60 days					
Protective screen and preventive measure for U9 gas pipeline (VO) Provision of temp support for U10 gas pipeline (VO) upon RMA allow access	28 days					
Provision of temp support for U10 gas pipeline (VO) upon RMA allow access  ELS of jacking pit	28 days 30 days					
Pipe Jacking set up & ground strengthing	18 days					
Pipe Jacking	90 days					
Receiving Pit BD Approval	170 davs					
Consent for Pipe & Sheet pile	28 days					
Receiving Pit Pipe & Sheet pile installation Consent for Receiving Pit ELS	30 days 28 days					
ELS of Receiving pit	40 days					
Allow modify existing outfall manhole for pipe jacking receiving	18 days					
Culvert Pipe Intallation & water test	55 days					
Inspection Manhole at Jacking Pit + backfill (Area E3(A))	18 days					
Manhole extension at Outfall no. 4 + backfill + Reinstate of Outfall Rd	45 days					
Sheetpile for L12 Outlet culvert (Connection to Jacking Pit)	45 days					
Consent + ELS for remaining jacking pit Outlet Culvert pipe installation + Thrust Box (remaining portion at A1 Area)	75 days 45 days					
Sheet pile for future extension along GRS	60 days					
Section A6 (ii) - External works at Area E15(D)	37 days					
Arae possession & Clearance	6 days					
Road & Surface Works	31 days					
Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards	<u>375 days</u>					
leading to Chimney Road at Area E1 & E2						
Area Possession & Clearance	0 days					
Excavation for CW Inlet Culvert (South of L11 HRSG)	21 days					
Installation CW Inlet Culvert pipe	30 days					
Construction of Thrust Box & Manholes,etc	14 days					
Backfill Install underground utilities	21 days					
Backfill and Temporary paving for Condensor Move in (E1)	45 days 14 days					
Backfill and Temporary paving for Condensor Move in (E1)  Backfill and Temporary paving for Condensor Move in (others)	30 days					
Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB	482 days					
including the associated roof structure except the roof deferred works	702 uays					
Area possession & Clearance	0 days					
Erection of turbine hall roof except defer work	0 days					

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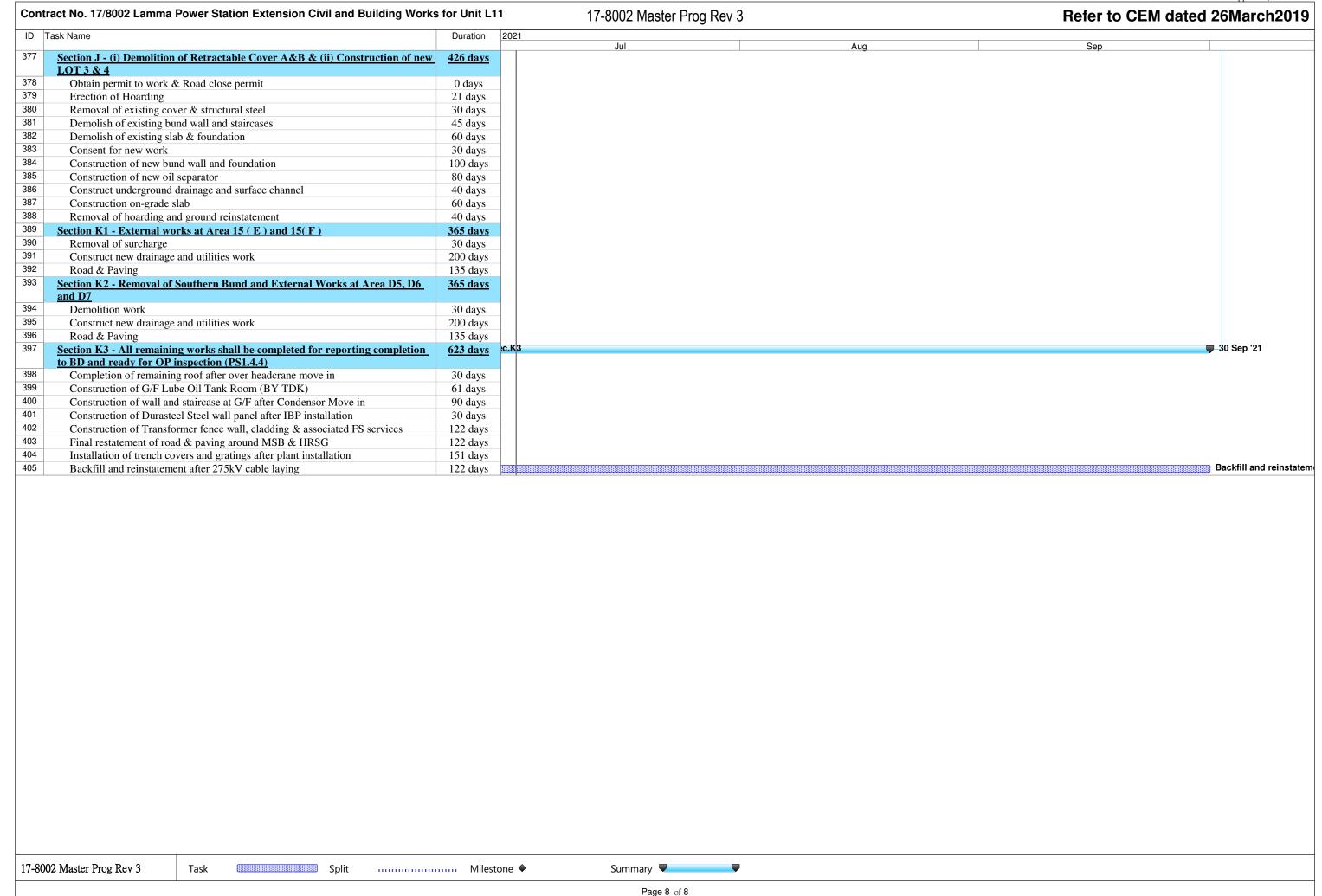
	act No. 17/8002 Lamma Power Station Extension Civil and Building Works	17 0002 Maddol 1 10g 1107 0					Refer to CEM dated 26March		
Т	ask Name	Duration	2021	Jul		Aug	Sep		
	Installation of crane griders Turbine hall wall claddings	21 days 60 days				·			
	Section B1 (iii) - FSRU Civil works at Area E13 (GRS)	151 days							
T	Submission and approval for consent to work	0 days							
	Civil & Building Works	130 days							
	Ground reinstatement	21 days							
	Section B2 - Retractable Cover D at Area E22	<u>435 days</u>							
1	Area Possession, Demolition and clearance work	60 days							
+	Revise Structural Form and BD resubmission & approval Foundation construction	150 days 60 days	-						
	Backfill & Ground reinstatement	30 days	-						
	Superstructure fabrication & delivery	90 days	1						
	Superstructure erection	90 days							
	E&M Installation and T&C	45 days							
)	Section B3 - External works at Area B1, D2 and D4	416 days							
	Receive Area from HKE, Area Possession & Clearance	0 days	1						
	Removal of existing paving for band drain under Section A5(i)	30 days							
	Complete Vert. Band drain under Section A5(i)	0 days							
	Ground preparation for B1, D2 & D4 for handover to Plant contractor	90 days							
	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station	<u>466 days</u>							
	Road at Area E3(A) & E3(B)								
	Area Possession & Clearance	0 days							
	Excavation for Type C (Area E3A)	21 days	_						
	Installation CW Outlet Culvert Pipe connect to Type C1	21 days							
	Installation CW Inlet Culvert pipe (South of L11 Condensor)	21 days	-						
	Construction of Thrust Box	10 days	-						
+	Construction of Access Manhole	21 days	-						
+	Backfill Construction of Underground drainage and utilities	14 days 60 days							
}	Construct Temp Paving for Condenser move in	45 days	1						
4	Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area	295 days							
	E7 (No Defer Foundations)								
5	Area Possession & Clearance	0 days							
3	Excavation & Pile Caps & Tie Beams (HRSG South Area E7)	45 days							
_	Construction RC foundations	45 days							
3	Construction RC plinths	30 days							
	Construction underground utilities	45 days	-						
	Backfill & Construction on-grade slabs	35 days	-						
	Backfill and Temporary paving  Section C2 - (ii) L11 Turbo Block foundation including the L11 MSB ground	21 days <b>496 days</b>							
	floor together with the equipment foundations between GL 11-F to 11-H and 11-1 to 11-6 for the installation of power generator, air inlet duct and lube oil	490 uays							
	reservoir								
	Area Possession & Clearance	0 days							
	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block North)	70 days							
5	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block South)	30 days							
	Backfill and construction turbine block foundations	21 days							
	Construction of internal drainage	60 days							
	Construction RC walls incl. G/F rooms	90 days							
)	Construction turbine block columns and upper portion for plant embed installation	21 days							
)	Concrete Turbine upper part foundation & clear falsework	52 days							
	Section C2 - (iii) G/F of L11 MSB including the Condenser Pit, Circulating Water Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-1	<u>466 days</u>							
	to 11-6 for the installation of condenser  Area Possession & Clearance	O darra							
_	Excavation to foundation level at ELS Type A	0 days 18 days							
	Construction of CW Outlet Box + lowest tie beam & caps	40 days							
5	Construction of Cw Oddet Box + lowest the beam & caps  Construction of pile caps & tie beams & hot well sump pit up to +2.5mPD	30 days	-						
5	Backfill & Construction of CW Inlet Box + tie beams	18 days							
,	Backfill and Construction ground beams & trenches	18 days							
_									

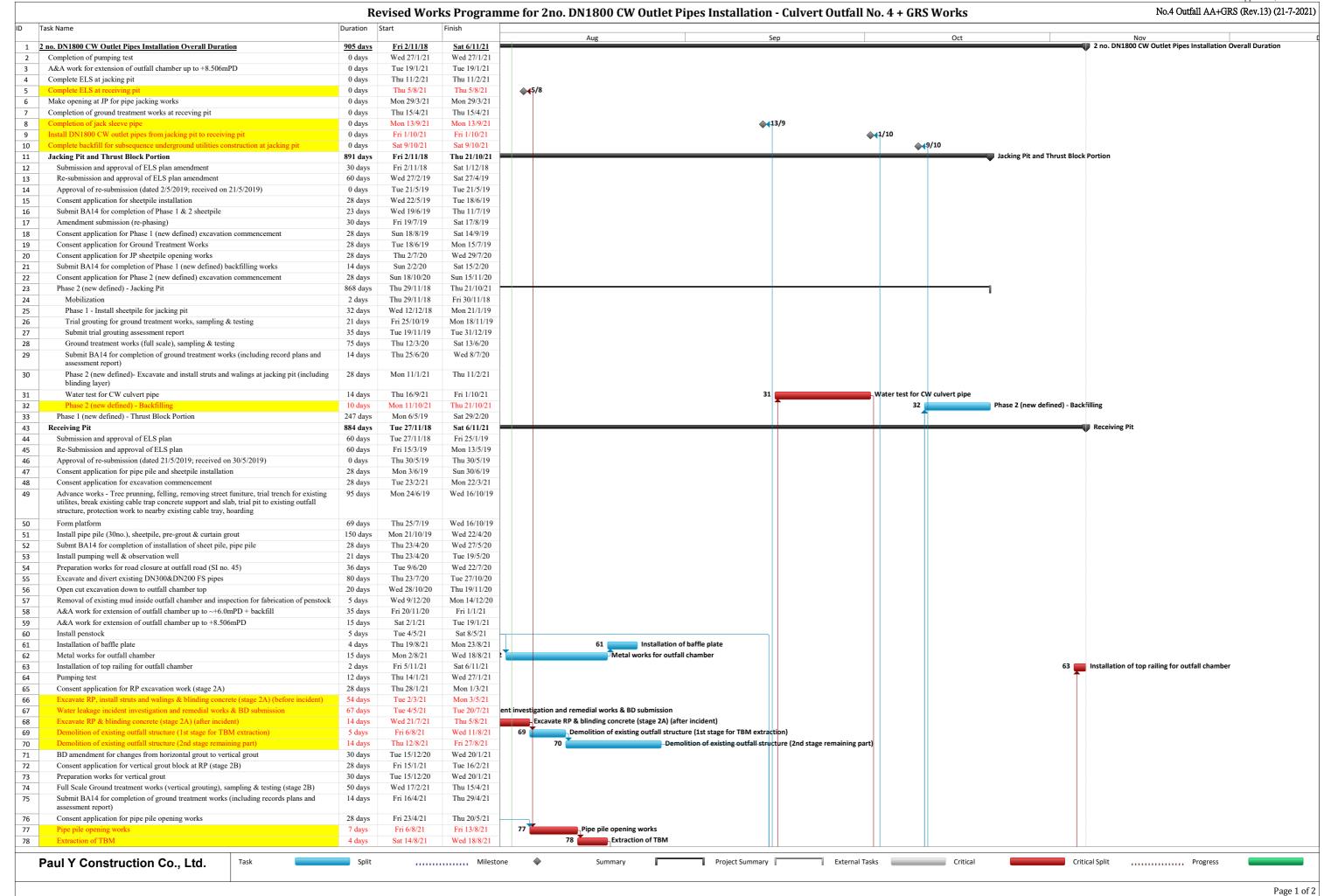
_	act No. 17/8002 Lamma Power Station Extension Civil and Building Works				r Prog Rev 3			A dated 26March
) Ta	ask Name	Duration	2021	Jul		Aug	Sep	
3	Construction of indoor underground drainage	12 days		oui		, rug	, Joseph	
	Backfill & construction on-grade slabs	10 days						
	Construction Column casting and RC walls	30 days						
	Metal Cladding & Louvres for GLB-C/1-6	60 days						
	Mis. Works for plant erection	24 days						
	Section D - (i) Roads and external grounds surrounding L11 MSB and L11	<u>414 days</u>						
	HRSG in addition to the southern & eastern areas mentioned above in Area E5 and E6							
	Area Possession & Clearance	14 days	1					
	Excavation for Type C1 and open sheet pile	75 days						
	Install CW Outlet pipe & connect to prevous	21 days						
	Backfill	10 days						
	Undeground utilities and trenches	60 days						
	Construction of plant drainage, trenches & RC plinths	45 days						
	Remaining Undeground utilities & backfill (West of Tx Bay)	75 days	1					
	Section D - (ii) Remaining northern part of L11 HRSG area and its	375 days						
	surrounding in Area E6	373 days						
	Area Possession & Clearance	0 days						
	Excavation & Pits & Pile Caps & Tie Beams (HRSG north Area E6)	45 days	-					
	Construction RC foundations							
		45 days						
	Construction RC plinths & HRSG Lift Pit & internal drainage	60 days	-					
	Backfill Construction on-grade slabs	28 days	-					
	Construction underground utilities	45 days	_					
	Backfill, Remaining utilities and temporary paving	85 days						
	Touch up and site clearance	13 days						
	Section D - (iii) Whole of L11 MSB including the pipe and cable rack along	<u>526 days</u>						
	south façade of L11 MSB with all underground utilities at Area E4 including C.W. Inlet and Outlet Culvert except the deferred works							
		0.1	-					
	Area Possession & Clearance	0 days	-					
L	Construction of pile caps & tie beams at Transformer Area	60 days	-					
	Excavation & Construction Blow Down Sum pit (Type B)	45 days						
	Construction of pile caps & tie beams at SunShadeCover Area	45 days						
	Preaparation for S.Steelwork Erection	14 days						
	Structural Delivery & Erection (Turhine Hall North fr G.L. 1-3/H->B)	30 days						
	Structural Delivery & Erection (Equipment Floors)	45 days						
	Structural Delivery & Erection (Turbine Hall South)	45 days						
	Fire Coating Application at Joint	120 days						
	External Scaffolding Erection	150 days						
	Construction 1/F RC Slab	14 days	1					
	Construction M/F RC Slab	7 days	1					
	Construction 2/F RC Slab	14 days	1					
	Construction 3/F RC Slab	14 days	-					
	Construction 4/F RC Slab		-					
		14 days	-					
	Construction 5/F RC Slab (Roof of turbine hall, except defer portion)	30 days						
	Construction Roof RC Slab	14 days						
	Construction Upper Roof RC Slab	12 days						
	Construction Defer Roof RC Slab (G.L. G-H)	30 days						
	Construction of Staircase ST-01 & lift shaft & machine room	120 days						
	Construction of Staircase ST-02 except defer work	76 days	_					
	Construction of RC plinth, kerbs & parapet Walls	30 days						
	Erection of Skylight & Roof Features	45 days						
	Waterproofing & Flooring at Roof	60 days						
	ABFW Works from 1/F to 5/F equipment rooms	150 days						
	Metal Cladding, Windows and Louvres incl. roof feature	100 days						
	Removal of external scaffolding	60 days	1					
	Building Services E&M Access & Installation	150 days						
+	Remaining and Mis. works for Plant erection Full Access	18 days						
	Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of L11	526 days						
	MSB including their associated alternations & additions (A&A) Works at L10							
	MSB							
	Area Possession & Clearance	0 days	1					
	· · · · · · · · · · · · · · · · · · ·							I I
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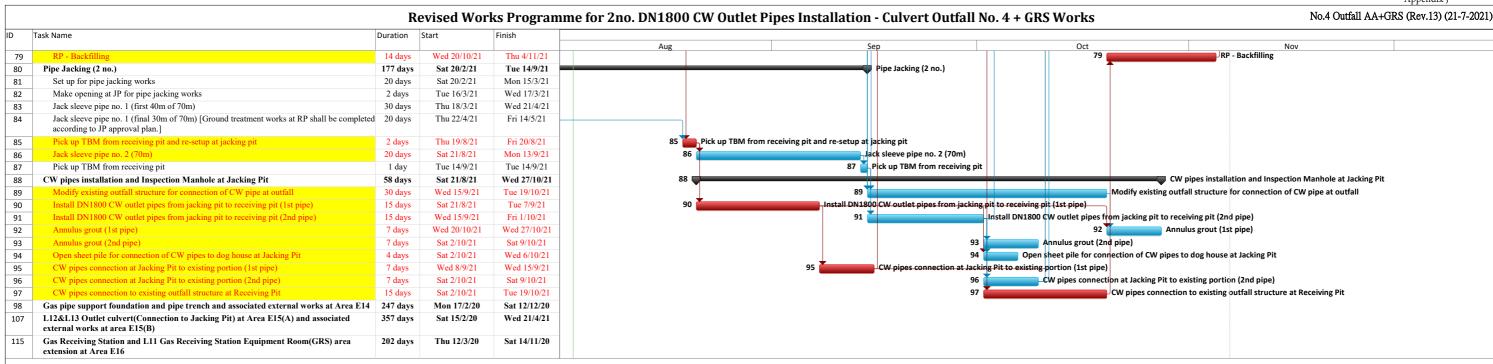
	act No. 17/8002 Lamma Power Station Extension Civil and Building Works		17-8002 Master P		Refer to CEM dated 26March2
	ask Name	Duration 2021	1 Jul	Aug	Sep
2	A&A works at South of L10 MSB	60 days			
3	Erection of link bridge structural steel	21 days			
	Casting of bridge deck	7 days			
	Metal roofing installation	14 days			
;	ABWF work	21 days			
	Form new opening at MSB for final connection	14 days			
3	E&M Work for completion	21 days			
9	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated	<u>345 days</u>			
)	trench in Area E20	0.1			
_	Area Possession & Clearance + CNY	0 days			
2	Sheet pile installation & submit as-built	75 days			
	Consent for excavation	28 days			
3	Excavation & plate load test	45 days			
1	Construction of foundation	45 days			
5	Backfill & Underground utiltiies	30 days			
3	Remaining Pipe & cable rack and associated trenchs in Area E20	115 days			
7	Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to the western area of L11 MSB at Area E3	<u>263 days</u>			
3	Area Possession	0 days			
)	Excavation & construction of new foundation	40 days			
)	Backfill				
+	Erection of Structural steel	10 days 30 days			
2	Backfill & Ground works				
3		55 days			
<b>'</b>	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	<u>173 days</u>			
	Area Possession	0 days			
;	Removal of Surcharge and excavation	14 days			
	Modification of Site Drainage	45 days			
,	Construction of new RC for GRS Equipment Room	75 days			
	ABWF for GRS Equipment room	45 days			
9	E&M Installation	45 days			
)	Construction of new Gas pipe plinths & racks	45 days			
	Backfill and construction site drainage	21 days			
2	External Paving and install new fencing	60 days			
3	Section E1 - (iii) External Works at Area E15 ( C )	273 days			
1	Removal of Surcharge and excavation	45 days			
5	Underground drianage, Utilities and RC plinths	123 days			
3	Backfill and install surface utilities	45 days			
7	Roadwork				
3	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and	60 days <b>495 days</b>			
	Pipe and Cable Rack at south of Middle Road at Area E8 and E19				
)	BD consent + Site Possession @ Area E8	0 days			
)	Excavation & Plate load test	60 days			
2	Foundation and Trench constructions  Backfill & underground utitiles + temp paving	90 davs 60 days			
3	Excavation & plate load test @ E19	60 days			
4	Construction of foundations & trenches	45 days			
5	Backfill & underground utitiles	60 days			
3	Pipe & cable rack Erection	60 days			
7	Ground reinstatement	60 days			
3					
	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)	<u>173 days</u>			
)	Removal of surcharge / site clearance	21 days			
	Excavation & construction of pipe trench	30 days			
	Construction of gas pipe support foundation	30 days			
_	Construction of gas pipe support foundation  Construction of underground drainage and utilities	60 days			
2	Backfill & road work	32 days			
4	Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)	<u>185 days</u>			
5	Site possession	0 days			
3	Obtain Permit to work & Road close permit	10 days			

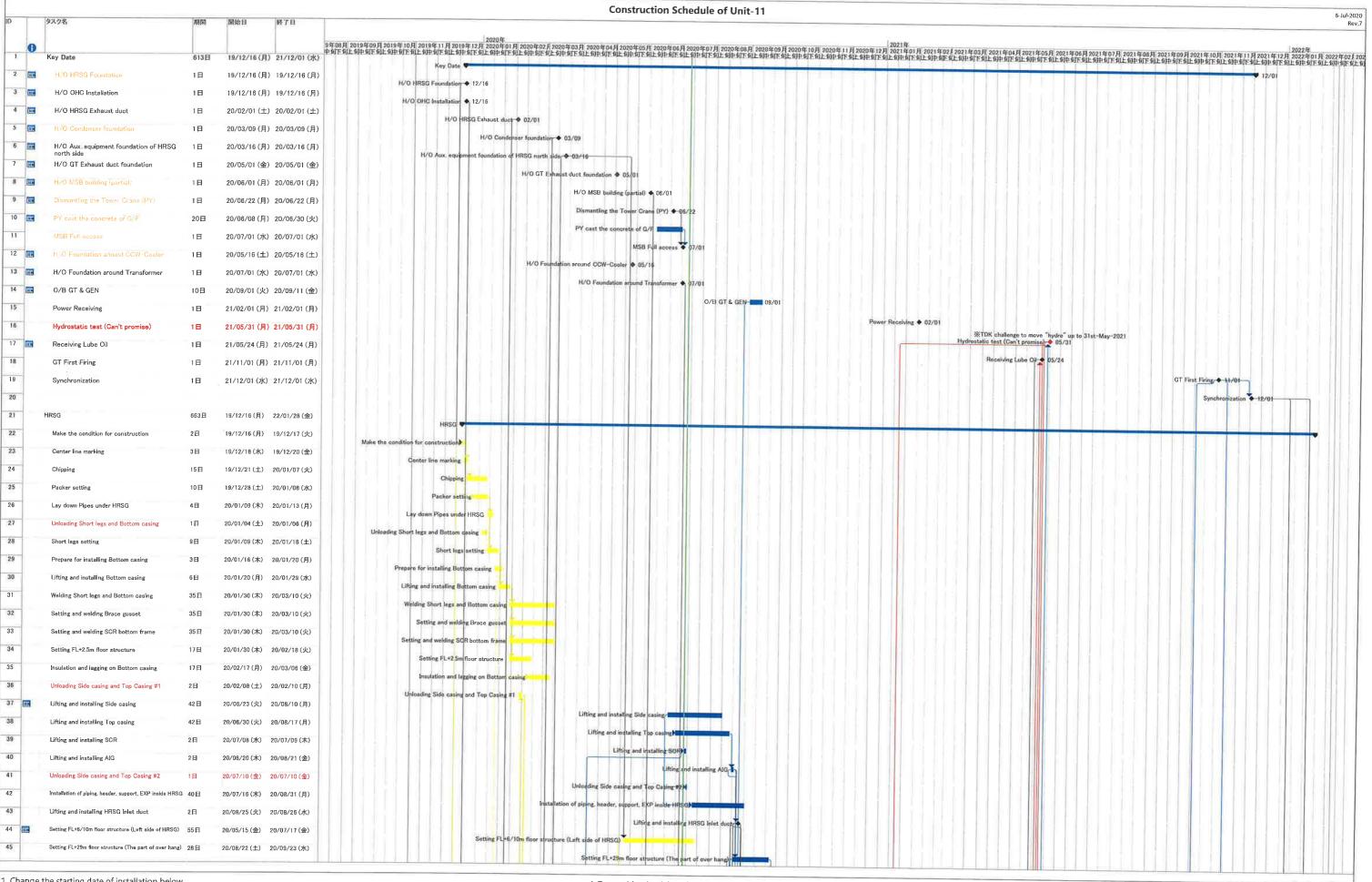
Page 6 of 8

tract No. 17/8002 Lamma Power Station Extension Civil and Building Wo		17-8002 Maste		Refer to CEM dated 26	Jiviai Ciiz
Task Name	Duration 2021	Jul	Aug	Sep	
Excavation & construction new cable trench to 275kV	45 days				
Excavation & construction new cable trench to L11MSB  Section F - 275kV Station Building Extension and associated works at Area F	130 days 217 709 days				
Section F - 275k v Station dunding Extension and associated works at Area F	709 days				
Installation of ELS for 275kV Switching Station near Staircase ST-3 and ST-6	14 days				
Construction of Staircase ST-3 BD Amendment Approval on A&A	110 days 0 days				
BD Amendment Approval on A&A ST3 & Drainage	0 days				
OP inspection of Staircase ST-3 Consent of New Foundation Works (Stage 1)	14 days 0 days				
Consent & BA10 for Demolition of Existing Staircase	0 days				
Demolition of Exisiting Staircase and Submit BA14A BD inspection for BA14A & Issue OP	14 days 28 days				
Consent & BA10 for New Foundation Work (Stage 2)	28 days				
Hoarding Modification Pile Cap & Tie Beam Construction (Stage 1)	7 days 98 days				
Erection of Tower Crane	40 days				
Pile Cap and Tie Beam (Stage 2)	21 days				
RC Construction up to 1/F (Stage 1) RC Construction up to 1/F (Stage 2)	30 davs 75 days				
Construction of Staircase ST6	90 davs				
Shop Drawing Submission & Approval of Structural Steel Structural Steel fabrication & Delivery	45 days 60 days				
Erection of Structural Steel GL 17~18	30 days				
Erection of Structural Steel GL 8~17 Metal Cladding Delivery	60 days 60 days				
Metal Door, Window & Lourve Delivery	45 davs				
Erection of Working Platform and Scaffold Install Decking	150 days 60 days				
RC Walls from 1/F @ GIS Hall	40 days				
Construction of 2/F RC slab Construction of R/F RC slab	14 days				
Construction of UR/F RC slab	21 days 14 days				
Construction of GIS Hall Floor	60 days				
Installation of Overhead Crane (By JEC) Construction of staircase ST4, ST5, Lift Shaft & Equip Floors	60 days 150 days				
Lift Installation	90 days				
Concrete of RC walls, plinths, kerb & parapet walls & New trench for LV Power ABWF Works @ G/F	30 days 50 days				
ABWF Works @ 1/F	50 davs				
ABWF Works @ 2/F ABWF Works @ R/F	75 days 30 davs				
ABWF Works @ UR/F	21 days				
Waterproofing Works at R/F & UR/F Building Services E&M Access & Installation & T&C	45 days 150 days				
Metal Cladding, Windows and Louvres incl. Roof Feature	90 days				
Shutter Erection Removal of External Scaffolding + Tower Crane	30 days 35 days				
External Underground Drainage and Utilities	30 days				
Road & Paving Reinstatement	30 days				
Ready for FSD & OP Inspection Section G - A&A Works at No. 4 C.W. Intake at Area E12	0 days 143 days				
Permit to work	0 days				
Erection of temp. platform	14 days				
Demolition work	30 days				
Modify existing slab openings	75 days				
Curing + Removal of platform	24 days				
Section H - L11 Steel flue liner at No. 4 Chimney	<u>186 days</u>				
Complete erection of L10 Steel flue	0 days				
Modification of erection equipment	21 days				
Erection temp. platform and demolition work	30 days				
Structural steel delivery & Erection	85 days				
Removal of temp. work Reinstate G/F louvre wall and access door	5 days 45 days				
Section I - (i) 275kV cable trenching works connecting the 275kV Switching	232 days				
Station Extension and L11 MSB at Area E9 (B)	252 uays				
Obtain Permit to work & Road close permit	0 days				
Excavation & construction new cable trench	160 days				
Re-excavate cable trench for cable laying	72 days				
Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	275 days				
Obtain Permit to work & Road close permit	0 days				
Re-excavate & new cable trench for cable laying	275 days				







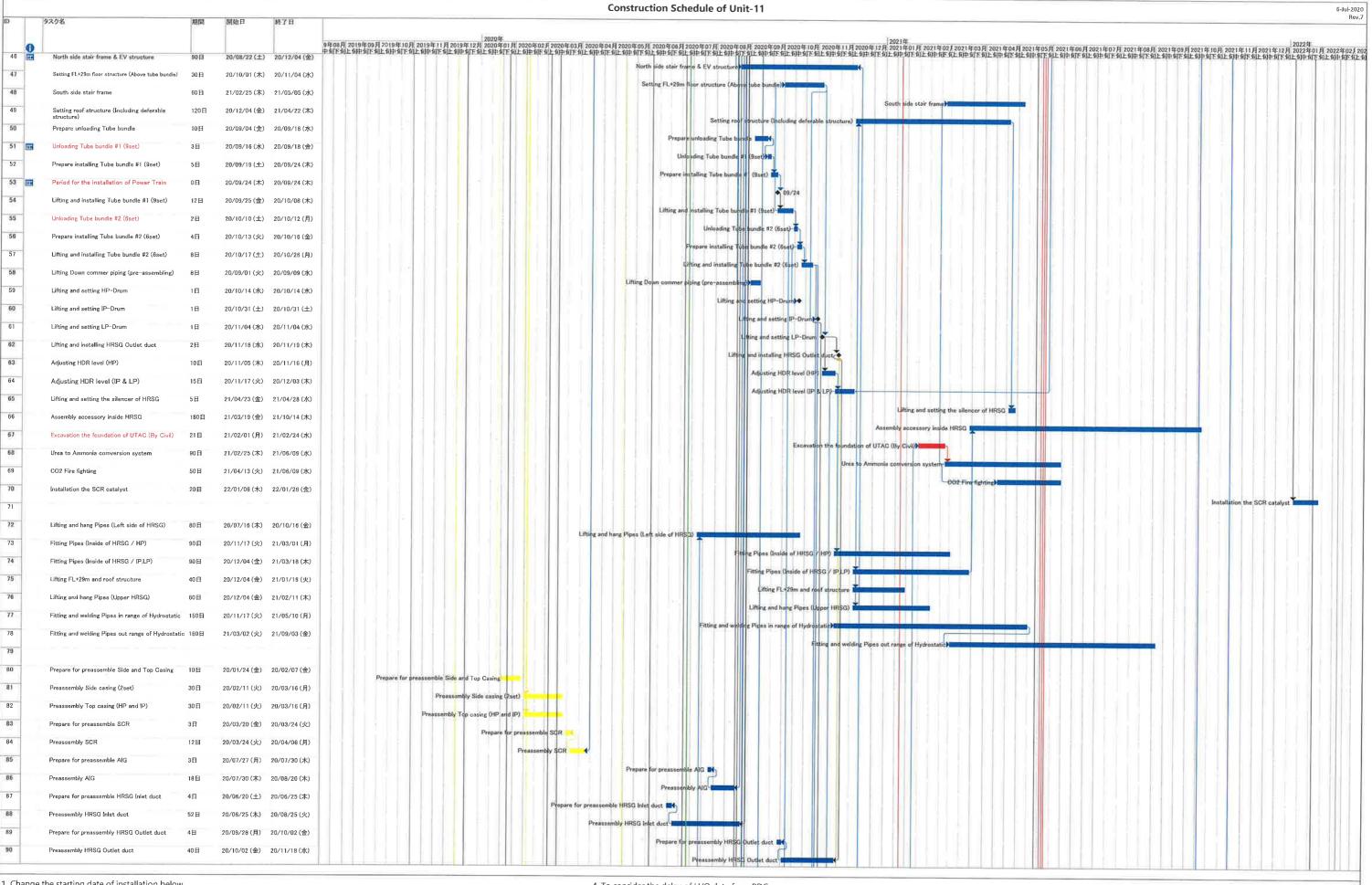


<sup>.</sup> Change the starting date of installation below

Installation HRSG was re-started from 23rd-Jun

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

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

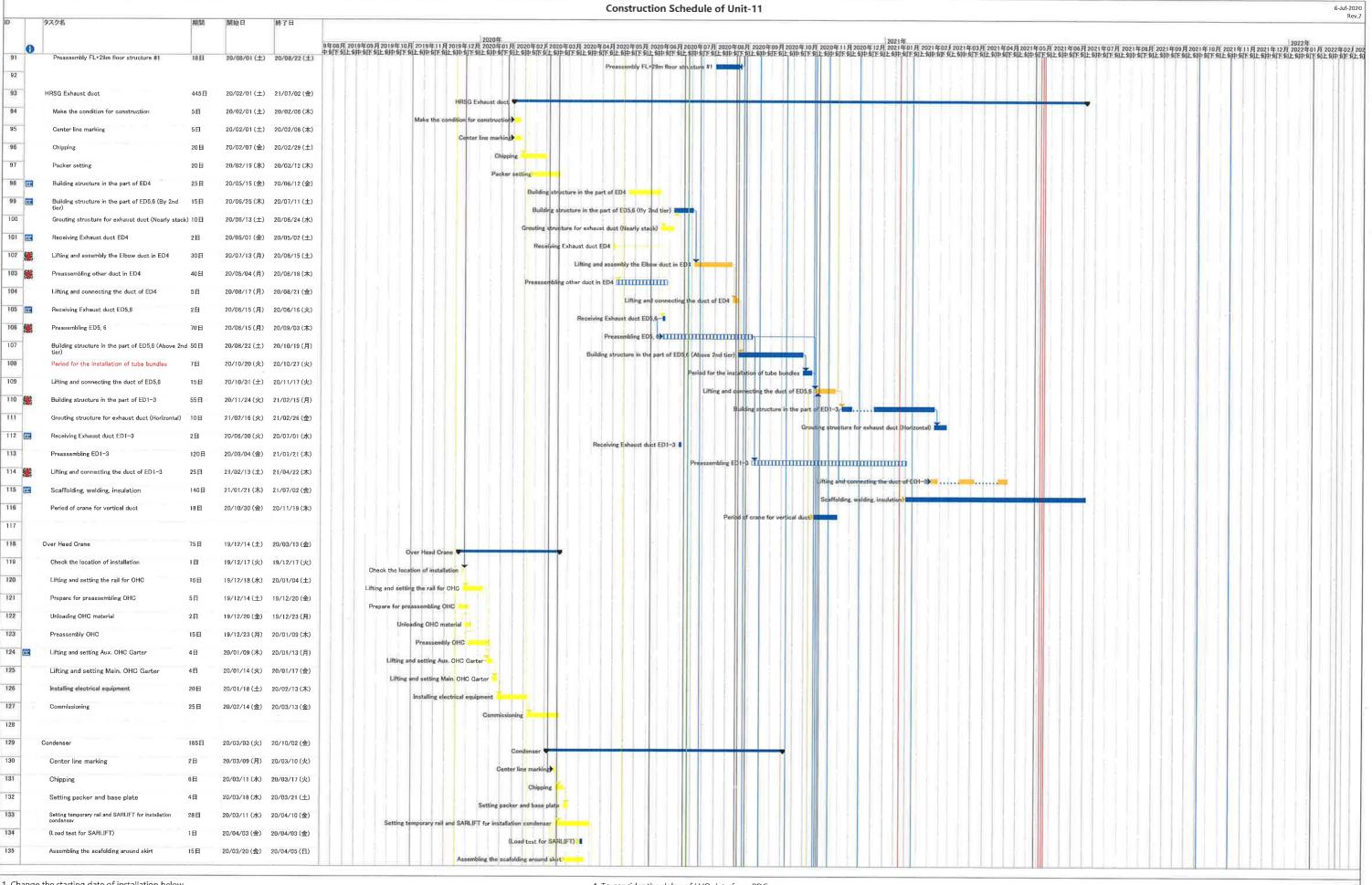


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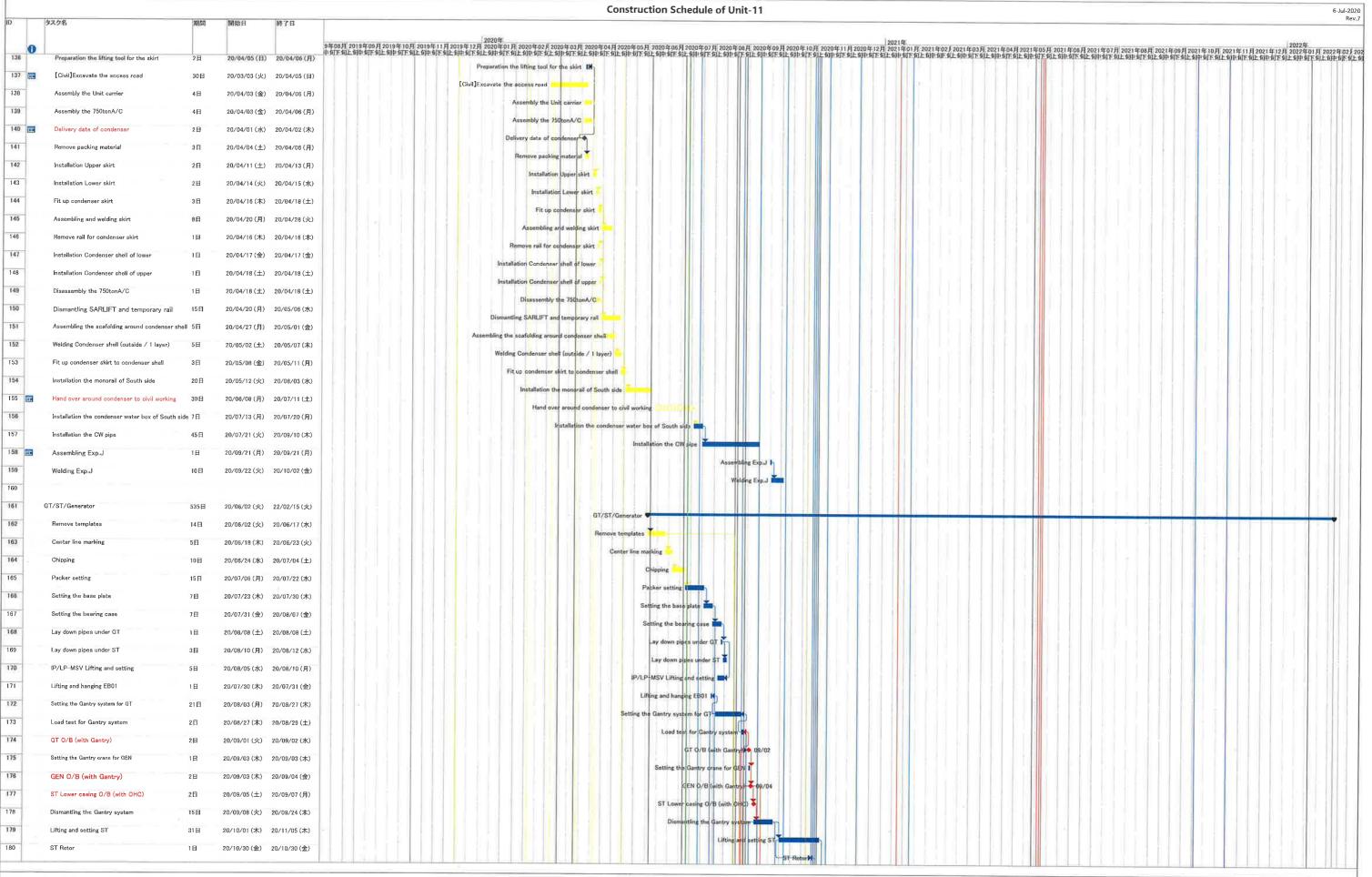


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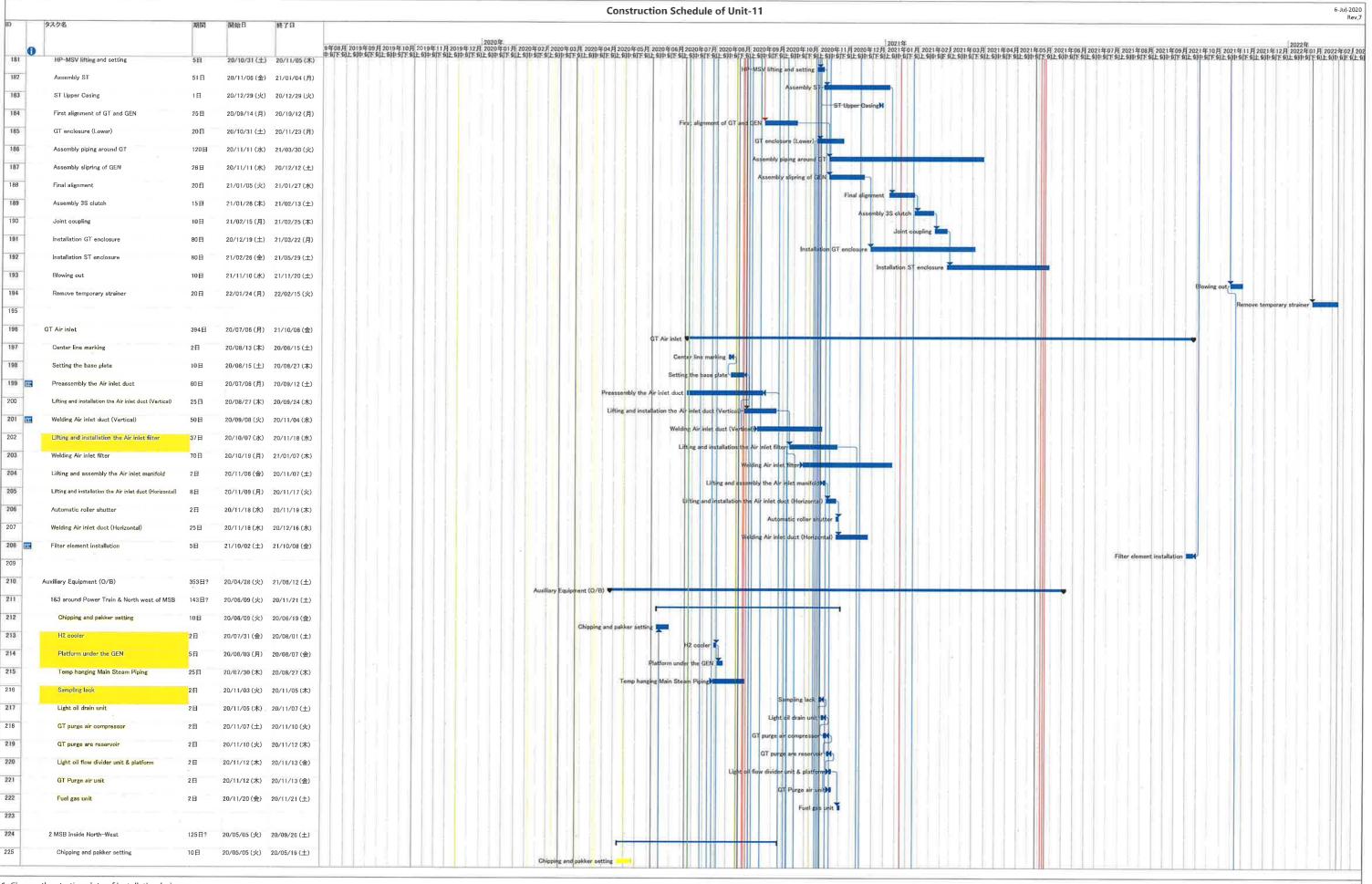
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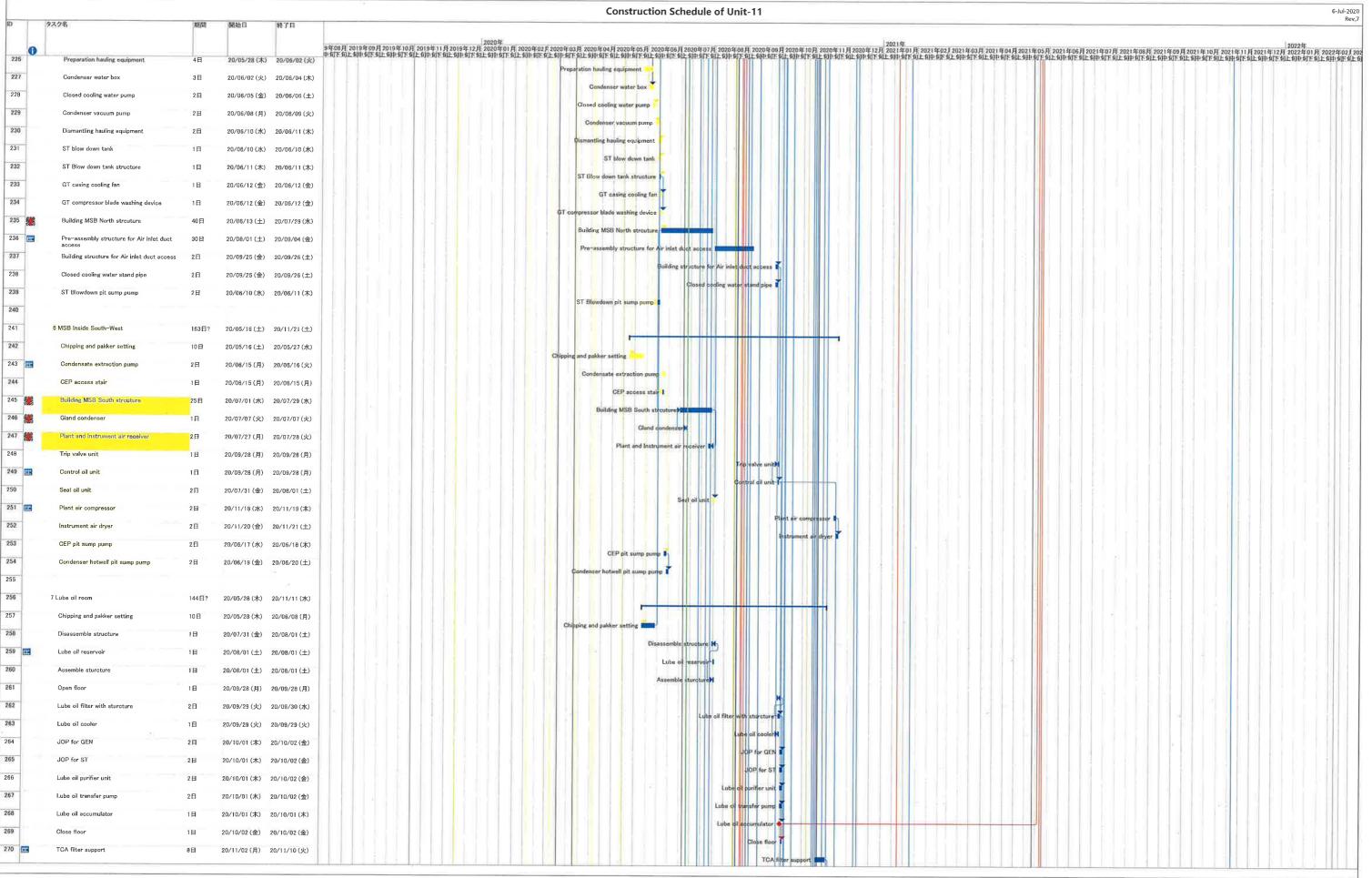


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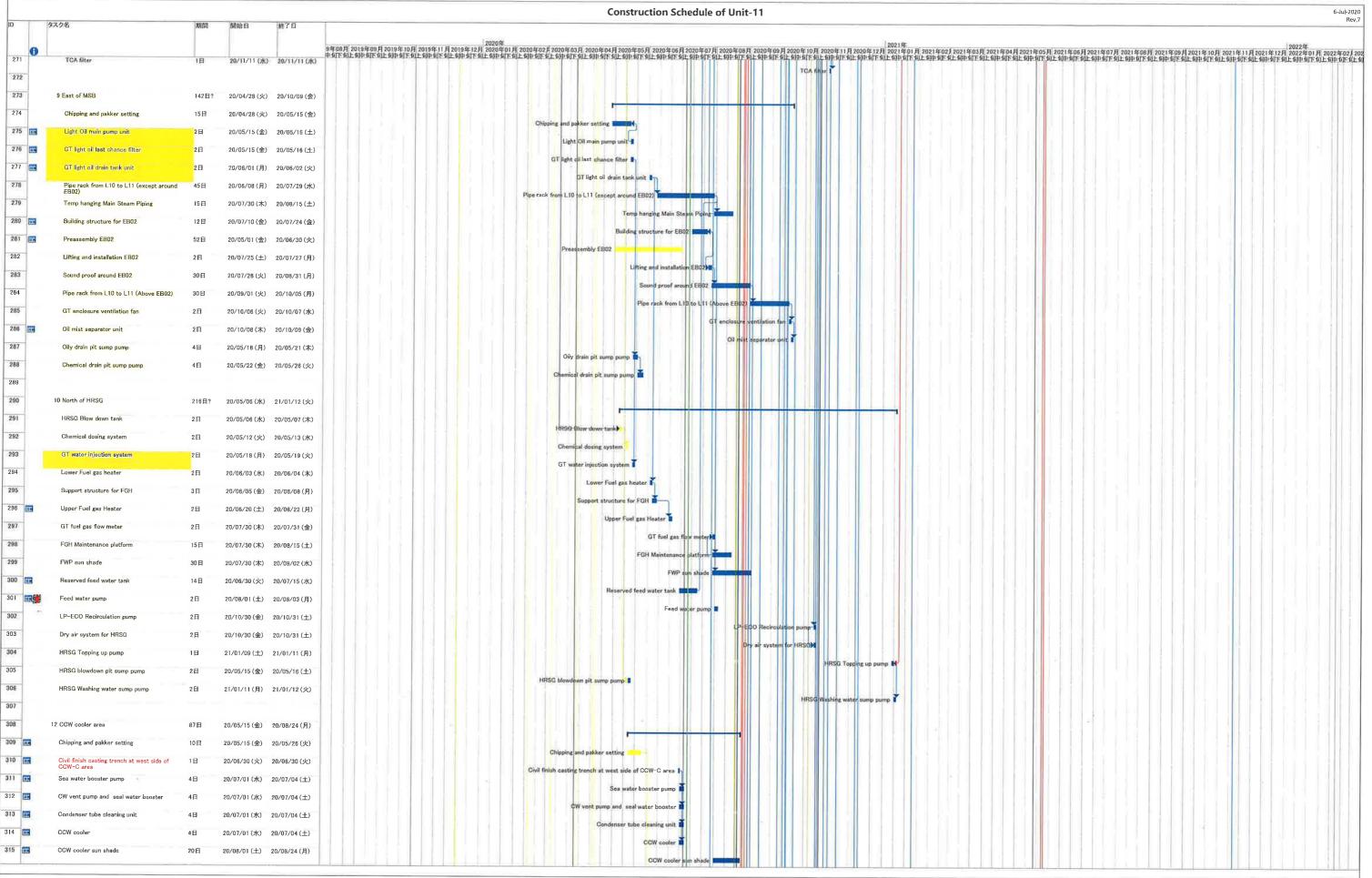


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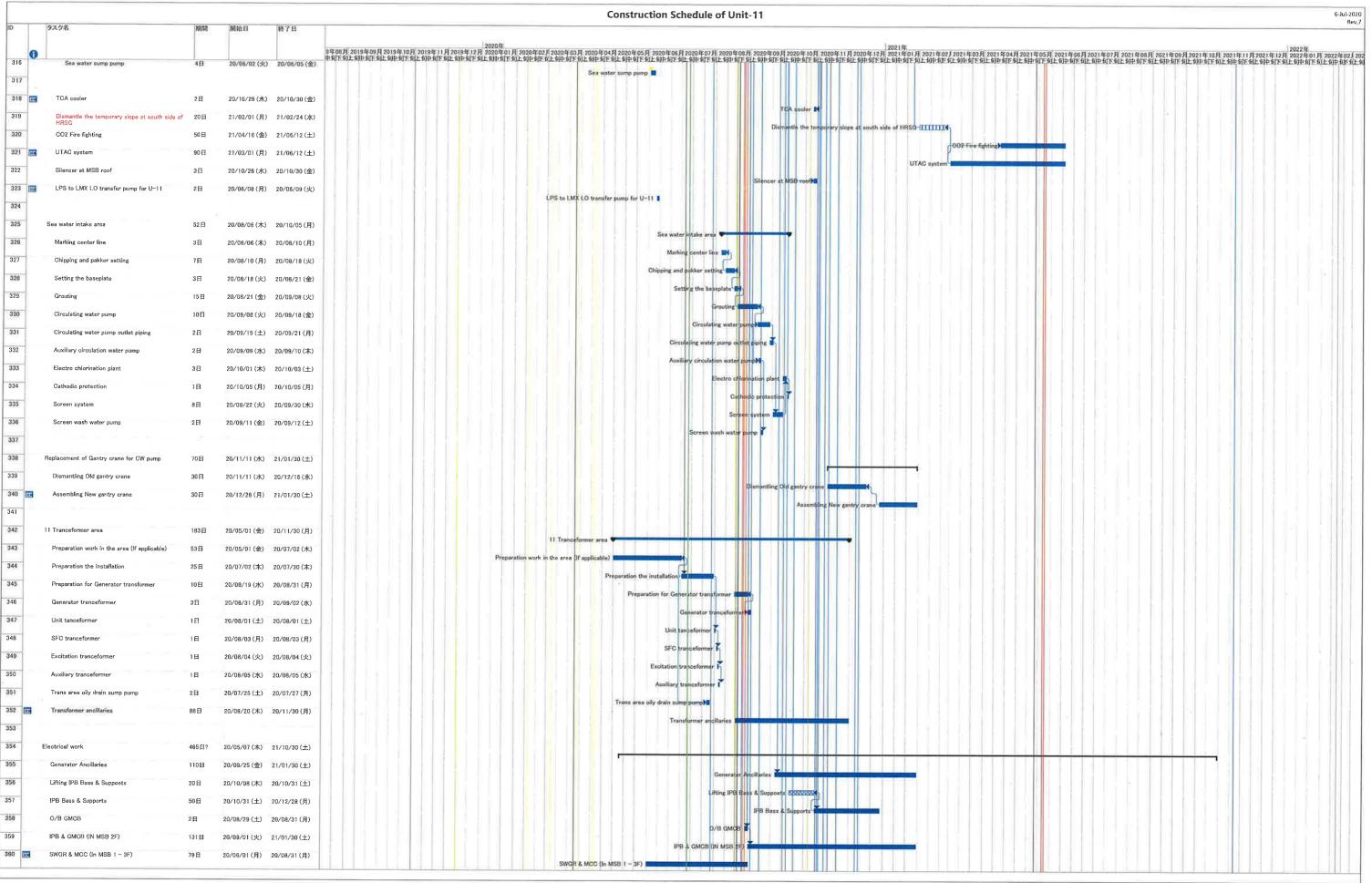


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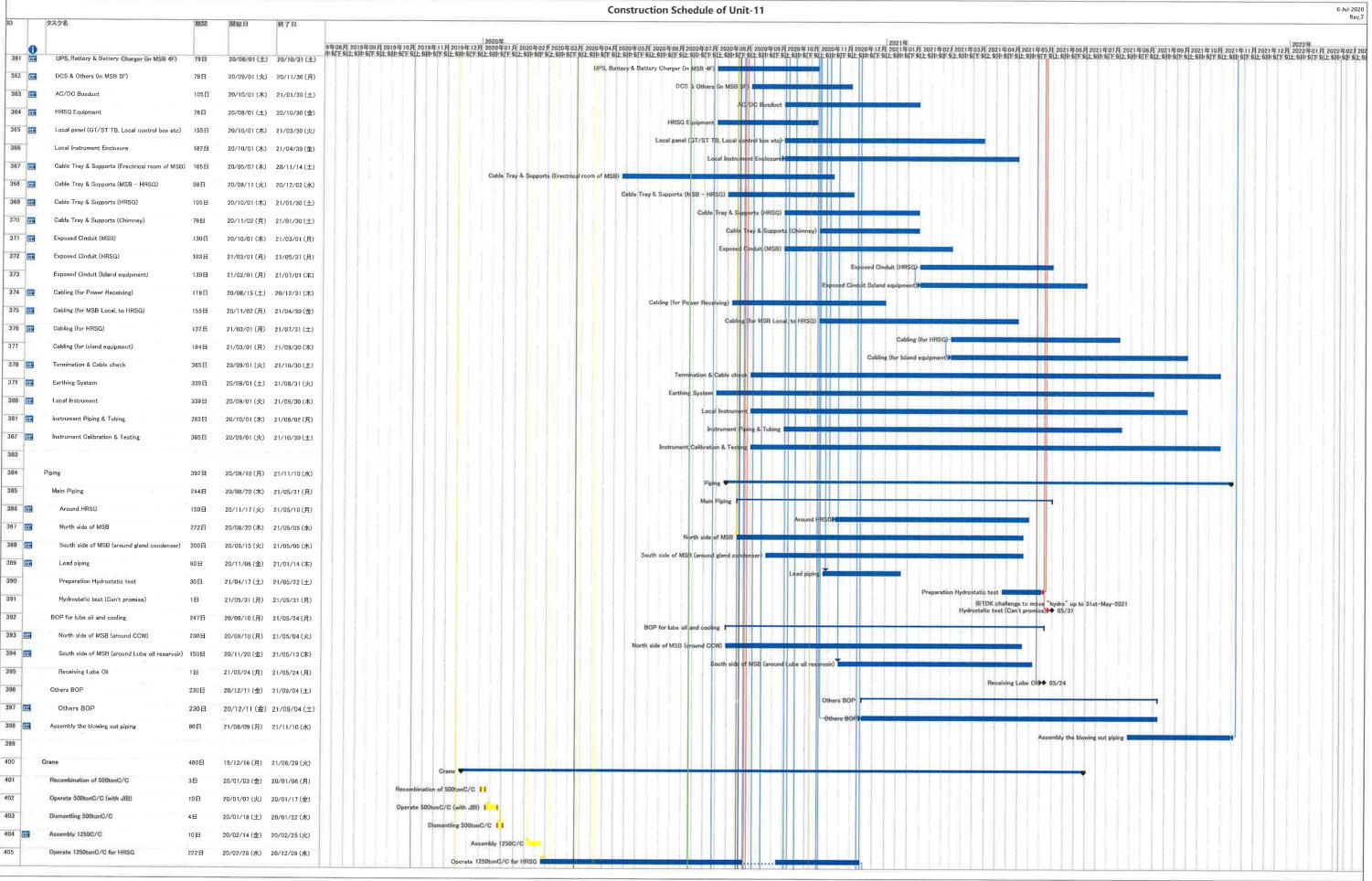


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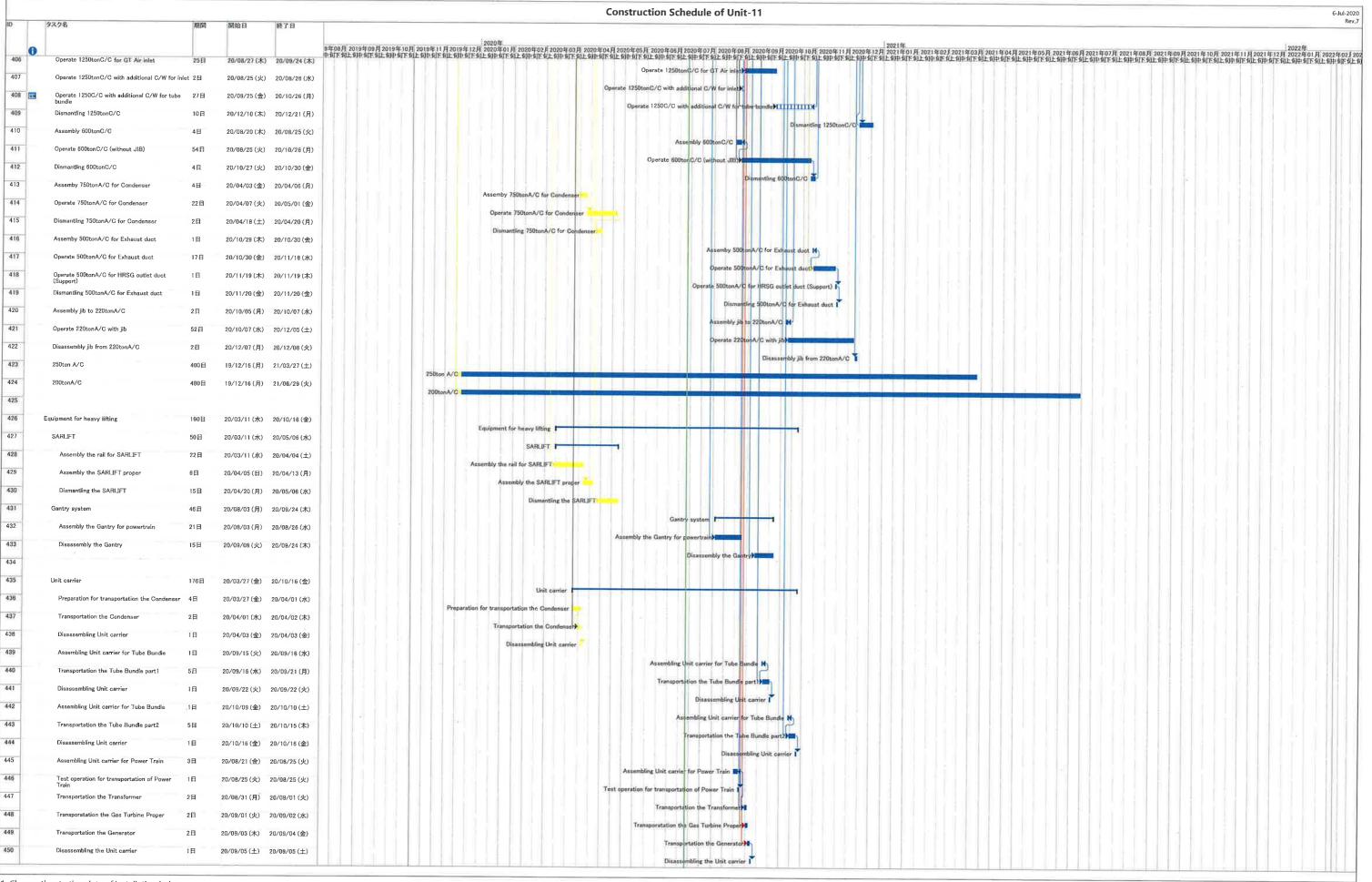


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	KEY DATES & MILESTONES	1123 days	Fri 4/12/20	Sun 31/12/23	Oct	No	, Dec
	Contract Period Deferred Work Completion Key Dates	1123 days 784 days	Fri 4/12/20 Mon 8/11/21	Sun 31/12/23 Sun 31/12/23			
5	Substantial Completion of the Whole Contract Works (1123 Days)  SITE POSSESSION DATES	0 days 513 days	Sun 31/12/23 Fri 4/12/20	Sun 31/12/23 Sun 1/5/22			
7	Site Possession Date as phased site possesion plan and PS1.4.2 Site Possession Date as phased site possesion plan and PS1.4.2	0 days 0 days	Fri 4/12/20 Fri 1/1/21	Fri 4/12/20 Fri 1/1/21	_		
9	Site Possession Date as phased site possession plan and PS1.4.2 Site Possession Date as phased site possession plan and PS1.4.2 Site Possession Date as phased site possesion plan and PS1.4.2	0 days 0 days 0 days	Sat 1/5/21 Fri 1/10/21 Fri 1/4/22	Sat 1/5/21 Fri 1/10/21 Fri 1/4/22	Site Possession Date as phased site possession	plan and PS1.4.2	
11	Site Possession Date as phased site possesion plan and 151-4.2  COMPLETION DATES as per PS1.4.2 Time for Completion	0 days 0 days 537 days	Sun 1/5/22 Thu 30/9/21	Sun 1/5/22 Tue 21/3/23	-		
	Section A1 (i) - Area south of L12 MSB and L12 HRSG from GL12-F eastwards leading to Chimney Road at Area F1 & F2	0 days	Thu 30/9/21	Thu 30/9/21	Section A1 (i) - Area south of L12 MSB and L12 H	RSG from GL12-F eastwards	leading to Chimney Road at Area F1 & F2
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		Section A1 (ii) - Suppor	ting structures for overhead cranes of L12 MSB including the associated ro
15 16	Section A2 (i) External Works including CW Inlet Culvert at Area F8A Section A2 (ii) External Works including CW Intet Culvert at Area F8B	0 days 0 days	Mon 10/1/22 Thu 31/3/22	Mon 10/1/22 Thu 31/3/22			
17 18 19	Section A2 (iii) External Works including CW Inlet Culvert at Area F8C Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road at Area F3	0 days 0 days	Fri 11/3/22 Wed 15/12/21	Fri 11/3/22 Wed 15/12/21	(Castian P2 /i) Cauthorn Part of L12 HPCC areas	and its ourse unding vefer to	Section B1 - Area south
	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 Section B2 (ii) - Remaining northern part of L12 HRSG area and its surrounding at Area F6A and F6C	0 days	Thu 30/9/21 Mon 15/11/21	Thu 30/9/21 Mon 15/11/21	Decidi be (i)- soddieiii Fait of E iz iii so areas	·	Section B2 (ii) - Remaining northern part of LI2 HRSG area and its surrour
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	0 days	Mon 28/2/22	Mon 28/2/22			
22	reservoir  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			section B2 - (iv) G/F of
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			
	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	Thu 31/3/22			
25 26	Section C - (iii) Link Bridge between L11 and L12 MSB including their associated A&A at L11 MSB Section D - (i) Microwave Antenna Room and Chimney Windshiled for the installation of miscrowave equipment and	0 days 0 days	Sun 10/4/22 Fri 10/6/22	Sun 10/4/22 Fri 10/6/22			
27 28	antenna Section D (ii) - No. 5 Chimney with L12 Steel Flue liner Section E (i) Tx Room of Adminintration and Control Building	0 days 0 days	Tue 21/3/23 Sun 31/10/21	Tue 21/3/23 Sun 31/10/21	_	Section E (i) Tx Room of	Adminintration and Control Building
29 30	Section E (ii) - G/F,1/F, 2/F & Hoisting Well of Admin. & Control Building Section E (iii) - Whole of Admin. And Control Building	0 days 0 days	Mon 28/2/22 Tue 31/5/22	Mon 28/2/22 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	Wed 30/11/22	Wed 30/11/22			
32 33 34	Setion F (ii) - Pipe and Cable rack and external work at Area F9A and F9B  Section F (iii) - No. 5 CW Equipment Room, pipe and cable rack, external works at Area F10  Section G (i) - External Work surrounding Area F11	0 days 0 days 0 days	Tue 31/5/22 Wed 31/8/22 Wed 26/10/22	Tue 31/5/22 Wed 31/8/22 Wed 26/10/22	-		
35	Section G (ii) - External Works at Area F12 & F13 Section G (iii) - FS Modification works along South Seafront Road at Area F15	0 days 0 days	Fri 30/9/22 Fri 30/9/22	Fri 30/9/22 Fri 30/9/22			
37 38	Section G (iv) - 275kV cable trenches and External Works at Area F16 Section G (v) - Shunt Reactor Compound and External Works at Area F17	0 days 0 days	Fri 30/9/22 Fri 30/9/22	Fri 30/9/22 Fri 30/9/22			
39 40 41	Section G (vi) - 275kV cable trenches and External Works at Area F18 Section G (vii) - Flood Wall at No. 4 CW Intake Area along HUA at Area F20A	0 days 0 days	Wed 1/6/22 Sun 8/5/22	Wed 1/6/22 Sun 8/5/22	-		
41 42 43	Seciton G (viii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20B Seciton G (ix) - Bund wall modification works at South Seafront Road at Area F21 Section G (x) - DAX Cable Diversion Works (from Part I to Part IV)	0 days 0 days 0 days	Fri 30/9/22 Fri 15/10/21 Sat 31/12/22	Fri 30/9/22 Fri 15/10/21 Sat 31/12/22	Seciton G (ix) - Bund w	all modification works at Sou	th Seafront Road at Area F21
44	Section G (x) - DAX cable Diversion Works (from Part 1 to Part IV)  Section H - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	0 days	Tue 28/2/23	Tue 28/2/23			
46	GENERAL & PRELIMINARY First Mobilization	<b>228 days</b> 18 days	<b>Fri 4/12/20</b> Fri 4/12/20	Mon 19/7/21 Mon 21/12/20			
48	Set up Temporary Site Office and Welfare Factiliites Permit Applications & Statuary Submissions	90 days 120 days	Tue 22/12/20 Mon 22/3/21	Sun 21/3/21 Mon 19/7/21	_		
50	Existing Utilities scanning & Excavation Permit Tower Crane erections FECHNICAL SUBMISSION AND APPROVAL	45 days 60 days <b>314 days</b>	Tue 22/12/20 Sun 27/12/20 Thu 10/12/20	Thu 4/2/21 Wed 24/2/21 <b>Wed 20/10/21</b>	■ 20 Oct '21		
	BD Approval & Consent (If required) Submission and Approval of Master Programme	0 days 14 days	Thu 10/12/20 Fri 11/12/20	Thu 10/12/20 Thu 24/12/20	-		
54 55	Work Execuation Overal Plan submission & approval Material Submissions and approval	14 days 300 days	Fri 11/12/20 Fri 25/12/20	Thu 24/12/20 Wed 20/10/21		sions and approval	
57	Method Statement submission and approval BIM Model, CSD & CBWD Submission & approval	300 days 120 days	Fri 25/12/20 Fri 25/12/20	Wed 20/10/21 Fri 23/4/21	Method Stateme	nt submission and approval	
58 59 60	Structure Steelwork Connection Design Submission & BD approval Structure Steelwork Shop Drawing & Approval Metal Cladding, louvre & windows submission & BD approval	45 days 30 days 45 days	Tue 29/12/20 Fri 12/2/21 Tue 29/12/20	Thu 11/2/21 Sat 13/3/21 Thu 11/2/21			
61	Metal Cladding, louvre & windows stollnission & BD approval Metal Cladding, louvre & windows shop drawing submission Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	45 days 45 days 120 days	Fri 12/2/21 Mon 29/3/21	Sun 28/3/21 Mon 26/7/21			
63 64	ELS Submission and BD approval No. 5 Chimney windshield temporary work submission, approval & fabrication	90 days 60 days	Fri 11/12/20 Fri 11/12/20	Wed 10/3/21 Mon 8/2/21			
66	Steel Flue Assessment Report and Design Drawings submission & approval Folding Shutters Shop Drawing Submission & Approval	60 days 30 days	Tue 9/2/21 Thu 11/2/21	Fri 9/4/21 Fri 12/3/21	utters		
67 68 69	Fabrication & Delivery of Folding Shutters Sewage Pump System Design submission & approval Fabrication & Delivery of Sewage Pump	180 days 45 days 180 days	Sat 13/3/21 Tue 23/2/21 Fri 9/4/21	Wed 8/9/21 Thu 8/4/21 Tue 5/10/21	Fabrication & Delivery of Sewage Pump		
70	Other material submission & approval & delivery  Other material submission & approval & delivery	180 days 180 days	Sat 24/4/21 Sat 24/4/21	Wed 20/10/21 Wed 20/10/21	Other material s	ubmission & approval & deli ubmission & approval & deli	
	CONSTRUCTION  Coordination with the Employer's Specialist Contractors	1123 days 562 days	Fri 4/12/20 Fri 15/1/21	Sun 31/12/23 Sat 30/7/22	K		
74 75	Installation of Puddle Pipes at C.W. outlet Culvert Installation of Puddle Pipes at C.W. Inlet Culvert	7 days 7 days	Mon 22/3/21 Thu 27/5/21	Sun 28/3/21 Wed 2/6/21			
76 77 78	Template setting at L12 Turbo Block Foundation Template setting of holding down bolts at HRSG column base I-beam / channel base installation on top of transformer foundations at Transformer Area	45 days 45 days 45 days	Tue 16/11/21 Fri 15/1/21 Tue 1/6/21	Thu 30/12/21 Sun 28/2/21 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	-		Overhead crane erection at turbine
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			×
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	7–30 Sep '21		
84 85	Area Possession & Clearance Subletting / Fabrication / Delivery (both for Area F1 and Area F2)	30 days 60 days	Fri 4/12/20 Sun 17/1/21	Sat 2/1/21 Wed 17/3/21			
86 87 88	Excavation for CW Inlet Culvert (Type D Construction Area) Installation CW Inlet Culvert pipe Backfill	14 days 70 days 7 days	Tue 1/6/21 Tue 15/6/21 Tue 24/8/21	Mon 14/6/21 Mon 23/8/21 Mon 30/8/21			
89	Construction UG Utilities 2m deep below further surface Temporary Paving and handover for plant erection	21 days 3 days	Tue 31/8/21 Tue 28/9/21	Mon 27/9/21 Thu 30/9/21	struction UG Utilities 2m deep below further surfac		
	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	Mon 1/11/21	c.B1(i)	Nov '21	
90							
90 91 92 93	Area Possession & Clearance Subletting / Fabrication / Delivery	45 days 210 days	Fri 4/12/20 Tue 23/2/21	Sun 17/1/21 Mon 20/9/21	rication / Delivery	database of	
90 91 92 93 94 95	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders	210 days 0 days 11 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21		nstall Crane Girders	b (except defer work)
90 91 92 93 94 95 96 97	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes	210 days 0 days 11 days 14 days 3 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21	Complete structur		b (except defer work) for install overhead cranes
90 91 92 93 94 95 96 97 98	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work)	210 days 0 days 11 days 14 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21	Complete structur	nstall Crane Girders	b (except defer work) for install overhead cranes
90 91 92 93 94 95 96 97 98 99 100 101	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile	210 days 0 days 11 days 14 days 3 days 403 days 30 days 30 days 14 days 55 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 18/12/20 Sat 2/1/21 Sat 16/1/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 1/11/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21	Complete structur	nstall Crane Girders	b (except defer work) for install overhead cranes
90 91 92 93 94 95 96 97 98 99 100 101 102 103 104	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS	210 days 0 days 11 days 11 days 3 days 403 days 30 days 30 days 14 days 55 days 7 days 28 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 18/12/20 Sat 21/1/21 Sat 16/1/21 Sat 17/4/21 Sat 24/4/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/22 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21 Fri 21/5/21	© Complete structur	nstall Crane Girders , -Construction of roof sla Touch up and handover	for install overhead cranes
990 991 992 993 994 995 996 997 998 999 9100 1001 1002 1003 1004 1005 1006	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A	210 days 0 days 11 days 14 days 3 days 403 days 30 days 30 days 14 days 55 days 7 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 18/12/20 Sat 2/1/21 Sat 16/1/21 Sat 17/4/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/11/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21	© Complete structur	nstall Crane Girders , -Construction of roof sla Touch up and handover	b (except defer work) for install overhead cranes  direction) (Assume flexible joint deliver in Sep 2021)
90 91 92 93 94 95 96 97 98 99 100 101 1002 1005 1006 1007 1008	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes,etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance	210 days 0 days 0 days 11 days 11 days 3 days 403 days 30 days 30 days 4 days 55 days 7 days 28 days 100 days 15 days 79 days 483 days 30 days	Tue 23/2/21 Tue 19/10/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 18/12/20 Sat 2/1/21 Sat 16/1/21 Sat 17/4/21 Sat 12/4/21 Fri 16/7/21 Thu 16/9/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Fri 15/1/21 Fri 21/5/21 Fri 21/5/21 Sat 23/10/21 Thu 30/9/21 Mon 10/1/22 Thu 31/3/22 Tue 30/3/21	C.S.1(ii)	nstall Crane Girders , -Construction of roof sla Touch up and handover	for install overhead cranes
990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1006 1007 1008 1009 1110 1111 1	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes,etc Backfill, UG Utilities and Road Paving Section A2 (II) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile	210 days 0 days 0 days 11 days 11 days 14 days 3 days 30 days 30 days 55 days 7 days 14 days 15 days 15 days 100 days 15 days 100 days 15 days 9 days 483 days 30 days 30 days	Tue 23/2/21 Tue 19/10/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Sat 27/21 Sat 16/1/21 Sat 16/1/21 Sat 16/7/21 Thu 16/9/21 Thu 16/9/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21 Fri 4/12/20 Fri 2/4/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/11/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21 Fri 23/4/21 Fri 23/4/21 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Mon 10/1/22 The 30/3/21 Sat 21/21 Wed 30/6/21	C.S.1(ii)	nstall Crane Girders , -Construction of roof sla Touch up and handover	for install overhead cranes
990 991 992 992 993 994 995 996 997 000 001 002 003 004 005 006 007 008 009 1110 1111 1112 113	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent for ELS ELS and install CW Inlet Pipe	210 days 0 days 1 days 11 days 14 days 3 days 30 days 30 days 30 days 55 days 7 days 15 days 100 days 15 days 10 days 9 days 483 days 30 days 90 days 98 days 90 days 98 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Sat 12/1/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Sat 16/7/21 Thu 16/9/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21 Fri 4/12/20 Fri 2/4/21 Thu 17/21 Thu 17/21 Thu 17/21 Thu 17/21 Tri 4/12/20 Tri 4/12/20 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Thu 29/7/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21 Fri 23/4/21 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Wed 30/6/21 Wed 28/7/21 Fri 5/11/21	Construction of Thrust Box & Manholes,etc	nstall Crane Girders , -Construction of roof sla Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)
990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1007 1008 1009 1110 1111 11111 11111 11111 11111 11111 1111	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent for Sheetpile installation	210 days 0 days 0 days 11 days 11 days 14 days 3 days 403 days 30 days 30 days 14 days 55 days 7 days 28 days 100 days 15 days 79 days 483 days 30 days 30 days 30 days 30 days 30 days 90 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Sat 2/1/21 Sat 16/1/21 Sat 16/1/21 Sat 24/4/21 Fri 16/7/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21 Fri 4/12/20 Thu 1/7/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21 Fri 23/4/21 Fri 21/5/21 Sat 23/10/21 Thu 30/9/21 Mon 10/1/22 Thu 31/3/22 Tue 30/3/21 Sat 21/1/21 Wed 30/6/21 Wed 28/7/21	C.S.1(ii)	nstall Crane Girders  ,Construction of roof sia  Touch up and handover  Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)
990 991 992 993 994 995 996 997 998 999 999 991000 1001 1005 1006 1007 1111 1111 1111 1111 1111 1111	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent for Sheetpile installation Install Sheet pile BD Consent of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance Box Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (iii) External Works including CW Intet Culvert at Area F8C Area Possession & Clearance Subletting / Fabrication / Delivery (for Area F8C)	210 days 0 days 0 days 11 days 11 days 14 days 3 days 403 days 30 days 30 days 14 days 55 days 16 days 18 days 19 days 15 days 16 days 17 days 18 days 19 days 10 days 146 days 365 days 30 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Sat 30/10/21 Fri 4/12/20 Fri 18/12/20 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Sat 24/4/21 Fri 16/7/21 Thu 16/9/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21 Fri 4/12/20 Fri 2/4/21 Thu 16/9/21 Sat 6/11/21 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21	Mon 20/9/21 Tue 19/10/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21 Fri 23/4/21 Fri 23/4/21 Sat 23/10/21 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Wed 30/6/21 Wed 30/6/21 Wed 30/6/21 Fri 5/11/21 Wed 15/9/21 Thu 31/3/22 Fri 11/3/22 Sat 10/4/21 Mon 10/5/21	Construction of Thrust Box & Manholes,etc	nstall Crane Girders  ,Construction of roof sia  Touch up and handover  Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)
990 991 992 993 994 995 996 997 998 999 100 101 1002 1003 1004 1111 1115 1116 1117 1118 1119 1120 1120 1120 1131 1118 1119 1120 1120 1130 1130 1130 1130 1130 1130	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for ELS ELS and install CW Inlet Pipe Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for ELS ELS and install CW Inlet Pipe Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (iii) External Works including CW Inlet Culvert at Area F8C Area Possession & Clearance Subletting / Fabrication / Delivery (for Area F8C) BD consent for Sheetpile installation Install Sheet pile	210 days 0 days 0 days 11 days 11 days 14 days 3 days 30 days 30 days 55 days 7 days 14 days 55 days 7 days 18 days 100 days 15 days 100 days 15 days 28 days 30 days 28 days 30 days 30 days 30 days 30 days 30 days 483 days 100 days 15 days 146 days 365 days 30 days 60 days 60 days 60 days	Tue 23/2/21 Tue 19/10/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Fri 18/12/20 Sat 27/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Fri 16/7/21 Thu 16/9/21 Thu 16/9/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21 Fri 4/12/20 Fri 24/21 Thu 17//21 Thu 19/7/21 Wed 1/9/21 Sat 6/11/21 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21 True 13/4/21 Thu 13/5/21	Mon 20/9/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21 Fri 23/4/21 Thu 30/9/21 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Wod 30/6/21 Wed 28/7/21 Fri 5/11/21 Wed 15/9/21 Thu 31/3/22 Fri 11/3/22 Sat 10/4/21 Wed 15/9/21 Thu 31/3/22 Sat 10/4/21 Wed 12/9/21 Thu 31/3/22 Fri 11/3/22 Sat 10/4/21 Mon 10/5/21 Wed 12/5/21 Tue 13/7/21	Construction of Thrust Box & Manholes,etc	nstall Crane Girders  ,Construction of roof sia  Touch up and handover  Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)
90 91 92 93 99 99 99 99 99 99 90 100 100 100 100 10	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes,etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent for ELS ELS and install CW Inlet Pipe Construction of Thrust Box & Manholes,etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent for LS ELS and install CW Inlet Pipe Construction of Thrust Box & Manholes,etc Backfill, UG Utilities and Road Paving Section A2 (iii) External Works including CW Inlet Culvert at Area F8C Area Possession & Clearance Subletting / Fabrication / Delivery (for Area F8C) BD consent for Sheetpile installation Install Sheet pile BD Consent for ELS ELS and install CW Inlet Pipe (including soil nail installation under 19/83014)	210 days 0 days 0 days 11 days 11 days 14 days 3 days 30 days 30 days 30 days 55 days 7 days 100 days 15 days 100 days 15 days 90 days 483 days 30 days 90 days 28 days 100 days 15 days 30 days 90 days 60 days 15 days 16 days 17 days 18 days 18 days 19 days 18 days 19 days 19 days 18 days 19 days 19 days 19 days 19 days 15 days 16 days 16 days 30 days 60 days 62 days 35 days 65 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Sat 12/1/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Thu 16/9/21 Thu 16/9/21 Thu 16/9/21 Thu 16/9/21 Thu 17/21	Mon 20/9/21 Tue 19/10/21 Fir 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fir 15/1/21 Fir 15/1/21 Fir 15/1/21 Fir 23/4/21 Fir 23/4/21 Fir 23/4/21 Mon 10/1/22 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Wed 30/6/21 Wed 28/7/21 Fir 5/11/21 Wed 15/9/21 Thu 31/3/22 Fir 11/3/22 Sat 10/4/21 Wed 15/9/21 Thu 31/3/22 Fir 11/3/22 Sat 10/4/21 Mon 10/5/21 Wed 12/5/21 Tue 13/7/21 Tue 17/8/21 Tue 17/8/21 Thu 20/1/22	Construction of Thrust Box & Manholes,etc	nstall Crane Girders  ,Construction of roof sia  Touch up and handover  Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)
990 991 992 993 994 995 996 997 90100 1001 1002 1005 1006 1007 1007 1007 1007 1007 1007 1007	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance Subletting / Fabrication of Polivery (for Area F8C) BD consent for Sheetpile installation   Install Sheet pile BD Consent for Sheetpile installation   Install Sheet pile BD Consent for Sheetpile installation / Polivery (for Area F8C) BD consent for Sheetpile installation   Install Sheet pile	210 days 0 days 0 days 11 days 11 days 14 days 3 days 30 days 30 days 30 days 55 days 14 days 55 days 100 days 15 days 15 days 19 days 15 days 15 days 16 days 17 days 18 days 19 days 10 days 30 days 30 days 30 days 30 days 30 days 463 days 100 days 15 days 100 days 15 days 146 days 365 days 30 days 30 days 30 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 18/12/20 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Sat 24/4/21 Fri 16/7/21 Thu 16/9/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21 Fri 4/12/20 Fri 2/4/21 Thu 16/9/21 Sat 6/11/21 Thu 19/21 Thu 19/21 Thu 13/21 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21 Tri 13/4/21 Tri 13/5/21 Wed 14/7/21	Mon 20/9/21 Tue 19/10/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21 Fri 23/4/21 Fri 23/4/21 Fri 23/4/21 Mon 10/1/22 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Wed 30/6/21 Wed 30/6/21 Wed 28/7/21 Fri 5/11/21 Wed 15/9/21 Thu 31/3/22 Fri 11/3/22 Sat 10/4/21 Mon 10/5/21 Wed 12/5/21 Tue 13/7/21 Tue 13/7/21 Tue 17/8/21	Construction of Thrust Box & Manholes,etc	nstall Crane Girders  ,Construction of roof sia  Touch up and handover  Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)
990 991 992 993 994 995 996 997 000 010 002 003 004 005 006 007 008 009 110 111 111 111 111 111 111	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consert for FLS ELS and install CW Inlet Pipe Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consert for FLS ELS and install CW Inlet Pipe Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (iii) External Works including CW Inlet Culvert at Area F8C Area Possession & Clearance Subletting / Fabrication / Delivery (for Area F8C) BD consent for Sheetpile installation Install Sheet pile BD Consert for FLS ELS and install CW Inlet Pipe (including soil nail installation under 19/83014) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road at Area F3 Area Possession & Clearance	210 days 0 days 0 days 11 days 11 days 14 days 3 days 30 days 30 days 30 days 14 days 55 days 7 days 15 days 15 days 15 days 15 days 15 days 16 days 17 days 18 days 19 days 19 days 10 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Fri 18/12/20 Sat 17/4/21 Sat 16/1/21 Sat 17/4/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Fri 16/7/21 Thu 16/9/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21 Fri 4/12/20 Fri 2/4/21 Thu 16/9/21 Sun 29/7/21 Wed 1/9/21 Thu 29/7/21 Wed 1/9/21 Sat 6/11/21 Fri 12/3/21 Fri 12/3/21 Tru 13/4/21 Tru 13/5/21 Wed 14/7/21 Wed 14/7/21 Wed 14/7/21 Wed 14/7/21 Sat 6/11/22 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21 Tru 13/4/21 Tru 13/5/21 Wed 14/7/21 Wed 14/7/22 Sun 20/2/22 Fri 4/12/20	Mon 20/9/21 Tue 19/10/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Tri 15/1/21 Fri 23/4/21 Fri 23/4/21 Fri 23/4/21 Fri 23/4/21 Mon 10/1/22 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Wed 30/6/21 Wed 30/6/21 Wed 30/6/21 Wed 28/7/21 Fri 5/11/21 Wed 15/9/21 Tri 31/3/22 Sat 10/4/21 Wed 12/5/21 Tri 11/3/22 Sat 10/4/21 Tri 17/8/21 Tri 11/3/22	Construction of Thrust Box & Manholes,etc	nstall Crane Girders  ,Construction of roof sia  Touch up and handover  Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)  W Inlet Pipe
990 991 992 993 994 995 996 997 998 999 999 999 999 999 999 999 999	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent for Plus Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (iii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent for LS ELS and install CW Inlet Pipe (including soil nail installation under 19/83014) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section B1 - Area South of L12 MSB from GL12-F westwards leading to Station Road at Area F3  Area Possession & Clearance Subletting / Fabrication / Delivery Complete CW Pipe Installation in Thrust box	210 days 0 days 0 days 11 days 11 days 14 days 3 days 403 days 30 days 30 days 55 days 14 days 55 days 15 days 15 days 15 days 16 days 17 days 18 days 19 days 10 days 17 days 18 days 19 days 10 days 10 days 10 days 10 days 10 days 116 days 116 days 117 days 118 days 119 days 119 days 110 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Sat 21/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Sat 24/4/21 Fri 16/7/21 Thu 16/9/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21 Fri 4/12/20 Fri 24/12/21 Thu 17/21 Thu 19/7/21 Thu 29/7/21 Wed 1/9/21 Sat 6/11/21 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21 Fri 13/4/21 Thu 13/5/21 Wed 14/7/21 Wed 18/8/21 The 13/6/22 The 13/6/22 Fri 11/2/2 Sun 20/2/22 Fri 4/12/20 Fri 25/12/20 Tue 25/5/21	Mon 20/9/21 Tue 19/10/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 1/11/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21 Fri 23/4/21 Fri 23/4/21 Mon 10/1/22 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Wed 30/6/21 Wed 28/7/21 Fri 5/11/21 Wed 30/6/21 Wed 28/7/21 Fri 5/11/21 Wed 15/9/21 Thu 31/3/22 Fri 11/3/22 Sat 10/4/21 Mon 10/5/21 Wed 15/5/21 Tue 17/8/21 Tue 17/8/21 Tue 17/8/21 Tue 17/8/21 Fri 11/3/22 Sat 19/2/22 Fri 11/3/22 Fri 11/3/22 Fri 11/3/22 Fri 11/3/21 Tue 13/7/21	Construction of Thrust Box & Manholes,etc	nstall Crane Girders  ,Construction of roof sia  Touch up and handover  Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)  W Inlet Pipe
90 91 92 93 94 95 96 97 98 99 99 99 91 100 100 100 100 100 100 100	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent for ELS ELS and install CW Inlet Pipe Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Inlet Culvert at Area F8B Area Possession & Clearance Subletting / Fabrication / Delivery (for Area F8C) BD consent for ELS ELS and install CW Inlet Pipe (including CW Inlet Culvert at Area F8C) BD consent for ELS ELS and install CW Inlet Pipe (including CW Inlet Culvert at Area F8C) BD consent for ELS ELS and install CW Inlet Pipe (including CW Inlet Culvert at Area F8C) BD consent for ELS ELS and install CW Inlet Pipe (including soil nail installation under 19/83014) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road at Area F3  Area Possession & Clearance Subletting / Fabrication / Delivery Complete CW Pipe Installation & Thrust box Backfill Construction of Storm Drain & Manholes	210 days 0 days 0 days 1 days 11 days 14 days 3 days 30 days 30 days 30 days 55 days 7 days 100 days 15 days 100 days 15 days 28 days 100 days 15 days 28 days 100 days 15 days 30 days 90 days 483 days 30 days 90 days 28 days 100 days 15 days 16 days 30 days 60 days 15 days 30 days 60 days 60 days 30 days 62 days 37 days 30 days 62 days 35 days 30 days 62 days 35 days 30 days 62 days 35 days 30 days 62 days 30 days 63 days 64 days 65 days 66 days 67 days 68 days 69 days 69 days 69 days 69 days 60 days 60 days 60 days 60 days 60 days 61 days 61 days 62 days 63 days 63 days 64 days 67 days 67 days 67 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Fri 18/12/20 Sat 12/1/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Thu 16/9/21 Thu 16/9/21 Thu 16/9/21 Thu 16/9/21 Thu 17/20 Mon 1/3/21 Fri 4/12/20 Fri 2/4/21 Thu 17/21 Thu 29/7/21 Wed 1/9/21 Thu 17/21 Thu 29/7/21 Wed 1/9/21 Sat 6/11/21 Fri 12/3/21 Fri 13/4/21 Thu 13/5/21 Wed 14/7/21 Fri 2/11/22 Sun 20/2/22 Fri 4/12/20 Fri 25/5/21 Fri 9/7/21 Mon 20/9/21	Mon 20/9/21 Tue 19/10/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21 Fri 23/4/21 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Wed 30/6/21 Wed 30/6/21 Wed 28/7/21 Fri 5/11/21 Wed 15/9/21 Thu 31/3/22 Fri 11/3/22 Sat 10/4/21 Mon 10/5/21 Thu 31/3/22 Fri 11/3/22 Sat 10/4/21 Thu 31/3/22 Fri 11/3/22 Sat 10/4/21 Tue 17/8/21 Tue 17/8/21 Tue 17/8/21 Thu 20/1/22 Sat 19/2/22 Fri 11/3/22 Sat 19/2/22 Fri 11/3/22 Sat 2/1/21 Thu 3/7/21 Tue 17/8/21 Thu 3/7/21 Thu 3/7/21 Thu 3/7/21 Thu 3/7/21 Thu 3/7/21 Thu 3/7/21 Sat 2/1/21 Sat 2/1/21 Thu 8/7/21 Sat 7/8/21 Thu 25/11/21	Construction of Thrust Box & Manholes,etc	nstall Crane Girders  ,Construction of roof sia  Touch up and handover  Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)  W Inlet Pipe
90 91 92 93 93 94 95 96 97 98 99 99 90 100 101 102 103 104 105 106 107 111 111 111 111 111 111 111	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handover for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent for ELS ELS and install CW Inlet Pipe Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section A2 (iii) External Works including CW Inlet Culvert at Area F8C Area Possession & Clearance Subletting / Fabrication / Delivery (for Area F8C) BD consent for ELS ELS and install CW Inlet Pipe (including CW Inlet Culvert at Area F8C) BD consent for ELS ELS and install CW Inlet Pipe (including soil nail installation under 19/83014) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road at Area F3  Area Possession & Clearance Subletting / Fabrication / Delivery Complete CW Pipe Installation & Thrust box Backfill UG Utilities and Road Paving	210 days 0 days 0 days 11 days 11 days 14 days 3 days 30 days 30 days 30 days 14 days 55 days 7 days 15 days 15 days 15 days 15 days 15 days 16 days 17 days 18 days 19 days 19 days 10 days 17 days 18 days 19 days 100 days 100 days 17 days 18 days 19 days 19 days 100 days 100 days 11 da	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 18/12/20 Sat 17/4/21 Sat 16/1/21 Sat 17/4/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Fri 16/7/21 Thu 16/9/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21 Fri 4/12/20 Fri 2/4/21 Thu 16/9/21 Sun 29/7/21 Wed 1/9/21 Thu 29/7/21 Wed 1/9/21 Sat 6/11/21 Fri 12/3/21 Fri 12/3/21 Tru 13/4/21 Fri 12/3/21 Fri 12/3/20 Fri 4/12/20 Fri 25/12/20 Tru 25/5/21 Fri 9/7/21	Mon 20/9/21 Tue 19/10/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Tri 15/1/21 Fri 15/1/21 Fri 23/4/21 Fri 23/4/21 Mon 10/1/22 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Wed 30/6/21 Wed 30/6/21 Wed 30/6/21 Wed 30/6/21 Wed 31/3/22 Fri 11/3/22 Sat 10/4/21 Tri 31/3/22 Sat 3/3/21 Sat 2/1/21 Sat 2/1/21 Sat 7/8/21	Construction of Thrust Box & Manholes,etc	nstall Crane Girders  ,Construction of roof sia  Touch up and handover  Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)  W Inlet Pipe
90 91 92 93 93 94 95 96 97 98 99 99 90 100 101 102 103 104 105 106 107 111 111 111 111 111 111 111	Subletting / Fabrication / Delivery Complete structural steel erection Install Crane Girders Construction of roof slab (except defer work) Touch up and handower for install overhead cranes Section A2 (i) External Works including CW Inlet Culvert at Area F8A BD consent for Sheetpile installation Subletting / Fabrication / Delivery (both for Area F8A-F8B) Area Possession & Clearance Install Sheet pile Installation of Additional sheet Pile at South of area F8A BD Consent for ELS ELS and install CW Inlet Pipe (NW to N direction) (Assume flexible joint deliver in Sep 2021) Construction of Thrust Box & Manholes, etc Backfill, US Utilities and Road Paving Section A2 (ii) External Works including CW Intet Culvert at Area F8B Area Possession & Clearance BD consent for Sheetpile installation Install Sheet pile BD Consent for Sheetpile installation Install CW Inlet Pipe Construction of Thrust Box & Manholes, etc Backfill, US Utilities and Road Paving Section A2 (iii) External Works including CW Inlet Culvert at Area F8C Area Possession & Clearance Subletting / Fabrication / Delivery (for Area F8C) BD consent for ELS ELS and install CW Inlet Pipe (including CW Inlet Culvert at Area F8C Area Possession & Clearance Subletting / Fabrication / Delivery (for Area F8C) BD consent for ELS ELS and install CW Inlet Pipe (including Soil nail installation under 19/83014) Construction of Thrust Box & Manholes, etc Backfill, UG Utilities and Road Paving Section B1 - Area south of L12 MSB from GL12-F westwards leading to Station Road at Area F3  Area Possession & Clearance Subletting / Fabrication / Delivery Complete CW Pipe Installation & Thrust box Backfill Construction of Storm Drain & Manholes Temp Paving and handover for Condenser Move in Section B2 - (i) Southern part of L12 HRSG area and its surrounding at Area F6B including the	210 days 0 days 0 days 11 days 11 days 14 days 3 days 403 days 30 days 30 days 14 days 55 days 7 days 28 days 100 days 15 days 15 days 90 days 10 days 30 days 30 days 30 days 30 days 30 days 483 days 100 days 146 days 15 days 176 days 1865 days 197 days 1986 days 1986 days 1987 days 1987 days 1988 days	Tue 23/2/21 Tue 19/10/21 Tue 12/10/21 Tue 12/10/21 Tue 12/10/21 Sat 30/10/21 Fri 4/12/20 Fri 4/12/20 Fri 18/12/20 Sat 21/1/21 Sat 16/1/21 Sat 16/1/21 Sat 16/1/21 Sat 24/4/21 Fri 16/7/21 Thu 16/9/21 Sun 24/10/21 Fri 4/12/20 Mon 1/3/21 Fri 4/12/20 Fri 24/12/21 Thu 17/21 Thu 29/7/21 Thu 29/7/21 Wed 1/9/21 Sat 6/11/21 Fri 12/3/21 Fri 12/3/21 Fri 12/3/21 Fri 13/4/21 Thu 13/5/21 Wed 14/7/21 Wed 18/8/21 The 13/6/22 Fri 21/1/22 Sun 20/2/22 Fri 4/12/20 Fri 25/12/20 Tue 25/5/21 Fri 9/7/21 Mon 20/9/21 Fri 26/11/21	Mon 20/9/21 Tue 19/10/21 Tue 19/10/21 Fri 29/10/21 Mon 1/11/21 Mon 1/11/21 Mon 10/1/22 Sat 2/1/21 Sat 16/1/21 Fri 15/1/21 Thu 11/3/21 Fri 23/4/21 Fri 23/4/21 Sat 23/10/21 Mon 10/1/22 Thu 30/9/21 Mon 10/1/22 Thu 30/9/21 Wed 30/6/21 Wed 30/6/21 Wed 28/7/21 Fri 5/11/21 Wed 15/9/21 Thu 31/3/22 Fri 11/3/22 Sat 10/4/21 Mon 10/5/21 Wed 15/12/21 Tue 17/8/21 Tue 17/8/21 Tue 17/8/21 Thu 20/1/22 Sat 19/2/22 Fri 11/3/22 Wed 15/12/21 Sat 2/1/21 Fri 23/4/21 Thu 8/7/21 Sat 7/8/21 Thu 25/11/21 Wed 15/12/21	Construction of Thrust Box & Manholes,etc	nstall Crane Girders  ,Construction of roof sia  Touch up and handover  Touch up and handover	direction) (Assume flexible joint deliver in Sep 2021)  W Inlet Pipe

	ntract No. 19/83002 Lamma Power Station Extension Civil an	•				Master Programme
136	ask Name  Excavation & Construct Pile Caps & Tie Beams & Piers	Duration 86 days	Start Mon 8/3/21	Finish Thu 19/8/21	Oct	Nov Dec
137 138	Installation of Pipe Pile for HRSG foundation (VO) Construction HRSG & Gas Duct foundations	48 days 112 days	Thu 25/3/21 Fri 7/5/21	Tue 11/5/21 Fri 3/9/21		
139	Construction of HRSG Equipment Room incl. ABWF & BS (except T&C) Construction underground utilities within HRSG	64 days 55 days	Tue 4/5/21 Mon 19/7/21	Thu 30/9/21 Sat 11/9/21	Construction of HRSG Equipment Room incl. ABWF & BS (except T&C) lies within HRSG	
141 142 143	Backfill & Construction on-grade slabs & RC plinths on top Backfill and Temporary paving	14 days 21 days	Fri 30/7/21 Fri 10/9/21	Mon 27/9/21 Thu 30/9/21	kfill & Construction on-grade slabs & RC plinths on top  Backfill and Temporary paving	5 Nov '21
	Section B2 (ii) - Remaining northern part of LI2 HRSG area and its surrounding at Area F6A and F6C	319 days	Fri 1/1/21	Mon 15/11/21		-3.807 21
144 145 146	Area Possessiong and Clearance at Area F6A Subletting / Fabrication / Delivery (for Area F6A and F6C civil) Construction of Underground pits (HRSG Blowdown sump pit)	30 days 90 days	Fri 1/1/21 Sat 2/1/21 Sat 2/1/21	Sat 30/1/21 Thu 1/4/21 Wed 21/4/21		
147	Excavation & Construct Pile Caps & Tie Beams & Piers  Construction underground utilities within HRSG	110 days 139 days 55 days	Mon 1/2/21 Mon 19/7/21	Sat 10/7/21 Sat 11/9/21	lies within HRSG	
149	Construction of Underground pits (GT Oil & Chemical drain pits)  Backfill & Construction on-grade slabs & RC plinths on top	15 days 45 days	Thu 5/8/21 Sun 12/9/21	Thu 19/8/21 Tue 26/10/21		rade slabs & RC plinths on top
151 152	Construct RC Walls Construction of Underground utilities at F6C	90 days 21 days	Thu 22/4/21 Tue 19/10/21	Tue 20/7/21 Mon 8/11/21		ruction of Underground utilities at F6C
153	Backfill and Temporary paving  Section B2 - (iii) L12 Turbo Block foundation including the L12 MSB ground floor together with the	7 days 452 days	Tue 9/11/21 Fri 4/12/20	Mon 15/11/21 Mon 28/2/22	c.C2(ii)	Backfill and Temporary paving
	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	.oz uzyo				
155 156	Area Possession & Clearance Subletting / Fabrication / Delivery (Civil+ABWF+BS for MSBL12)	45 days 150 days	Fri 4/12/20 Fri 25/12/20	Sun 17/1/21 Sun 23/5/21		
157 158	Complete excavation at Type A&C Construction Area Excavation & Pile Caps & Tie Beams + Slabs (Turbo Block North)	0 days 75 days	Sun 21/3/21 Sun 31/1/21	Sun 21/3/21 Thu 15/4/21		
159 160	Backfill and construction turbine block & equipment foundation  Excavation & Pile Caps & Tie Beams + Slabs (Turbo Block South)	85 days 45 days	Tue 1/6/21 Sat 17/4/21	Tue 24/8/21 Mon 31/5/21	)n	
161	Construction of internal drainage & on-grade slab Construction turbine block columns and upper portion for plant embed installation	90 days 83 days	Wed 1/9/21 Wed 25/8/21	Mon 29/11/21 Mon 15/11/21		Construction of internal drainage & on-grade slab
163 164	Concrete Turbine upper part foundation Construction of Lube Oil Room	15 days 14 days	Fri 31/12/21 Tue 30/11/21	Fri 14/1/22 Fri 28/1/22		<b>9</b>
165 166	Concrete RC walls ABFW Works	115 days 60 days	Tue 7/9/21 Thu 4/11/21	Thu 30/12/21 Sun 2/1/22	<b>X</b>	
167 168	Building Services Works Remove temporary falsework and scaffolding for installation of power generator	45 days 13 days	Sat 15/1/22 Mon 7/2/22	Mon 28/2/22 Sat 19/2/22		
	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	377 days	Fri 4/12/20	Wed 15/12/21	c.C2(iii)	
170	Area Possession & Clearance	45 days	Fri 4/12/20	Sun 17/1/21		
171 172	Subletting / Fabrication / Delivery (for MSB L12 civil)  Excavation to foundation level at ELS SP Type A & C	150 days 80 days	Fri 25/12/20 Fri 1/1/21	Sun 23/5/21 Sun 21/3/21		
173 174	Install CW Outlet pipe Construction of CW Outlet Box + lowest tie beam & caps	85 days 40 days	Mon 22/3/21 Mon 22/3/21	Mon 14/6/21 Fri 30/4/21		
175 176	Construction of pile caps & tie beams & sump pits up to +2.7mPD  Backfill & Construction of CW Inlet Box + tie beams	26 days 71 days	Sat 1/5/21 Thu 27/5/21	Wed 26/5/21 Thu 5/8/21		
177 178	Construction of pile caps & tie beams at SunShadeCover Area Backfill and Construction ground beams & trenches	45 days 28 days	Tue 15/6/21 Thu 27/5/21	Thu 29/7/21 Mon 5/7/21		
179 180	Construction of indoor underground drainage Backfill & construction on-grade slabs	14 days 60 days	Fri 13/8/21 Sun 1/8/21	Thu 26/8/21 Wed 29/9/21	3ackfill & construction on-grade slabs	
181 182	Construction Column casting and RC walls & equipment foundations ABFW Works	50 days 15 days	Thu 30/9/21 Fri 19/11/21	Thu 18/11/21 Fri 3/12/21		Construction Column casting and RC walls & equipment foundations  ABFW Works
183	Building Services Works Mis. Works and Ready for condenser move in	20 days 25 days	Fri 26/11/21 Wed 17/11/21	Wed 15/12/21 Wed 15/12/21		Building Services Works Mis. Works and Ready fo
	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	c.D(i)	
186 187	Area Possession & Clearance Subletting / Fabrication / Delivery	30 days 210 days	Fri 4/12/20 Fri 25/12/20	Sat 2/1/21 Thu 22/7/21		
188 189	Complete substructure & Steel Erection works for MSB Construction all utilities deeper than 2m from future road level	0 days 30 days	Tue 17/8/21 Wed 18/8/21	Tue 17/8/21 Thu 16/9/21	s deeper than 2m from future road level	
190 191	Construction of cable trenches Backfill and lay temporary paving	30 days 91 days	Fri 17/9/21 Sun 17/10/21	Sat 16/10/21 Sat 15/1/22	Construction of cable trenches	
	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	483 days	Fri 4/12/20	Thu 31/3/22	c.D(iii)	
193	works Area Possession & Clearance	45 days	Fri 4/12/20	Sun 17/1/21		
194 195	Subletting / Fabrication / Delivery  Construction of pile caps & tie beams at Transformer Area	120 days 180 days	Fri 25/12/20 Sun 31/1/21	Fri 23/4/21 Thu 29/7/21		
196 197	Backfill and on-grade slab at transformer Area Construction of Fire Walls at Transformer Area	160 days 45 days	Sun 11/4/21 Fri 8/10/21	Thu 7/10/21 Sun 21/11/21	Backfill and on grade slab at transformer Area	Construction of Fire Walls at Transformer Area
198 199	Excavation & Construction Blow Down Sum pit (SP Type B) Preaparation for S.Steelwork Erection	140 days 7 days	Wed 14/4/21 Sat 5/6/21	Tue 31/8/21 Fri 11/6/21	P Type B)	
200 201	Structural Delivery & Erection (Turhine Hall North fr G.L. 1-3/H->B) Structural Delivery & Erection (Equipment Floors)	67 days 33 days	Sat 12/6/21 Wed 18/8/21	Tue 17/8/21 Sun 19/9/21	y & Erection (Equipment Floors)	
202 203	Structural Delivery & Erection (Turbine Hall South + East Elevation)  Joint Tightening and touch up coating	47 days 99 days	Mon 20/9/21 Sat 3/7/21	Mon 15/11/21 Wed 24/11/21		\$tructural Delivery & Erection (Turbine Hall South + East Elevation)  Joint Tightening and touch up coating
204 205	External Scaffolding Erection Construction 1/F RC Slab	97 days 14 days	Thu 15/7/21 Mon 20/9/21	Mon 22/11/21 Sun 3/10/21	-Çonstruction 1/F RC Slab	External Scaffolding Erection
206 207	Construction 2/F RC Slab Construction 3/F RC Slab	7 days 18 days	Mon 27/9/21 Thu 30/9/21	Sun 10/10/21 Sun 17/10/21	Construction 2/F RC Slab Construction 3/F RC Slab	
208 209	Construction 4/F RC Slab Construction 5/F RC Slab	7 days 44 days	Thu 7/10/21 Mon 25/10/21	Sun 24/10/21 Tue 7/12/21	Construction 4/F RC Slab	Construction 5/F RC Slab
210 211	Construction 6/F RC Slab Construction Upper Roof RC Slab	14 days 10 days	Wed 1/12/21 Sun 12/12/21	Tue 14/12/21 Fri 24/12/21		Construction 6/F RC Slab
212 213	Construction Main Roof RC Slab Construction Defer Roof RC Slab (G.L. G-H)	39 days 14 days	Tue 12/10/21 Wed 1/12/21	Fri 19/11/21 Tue 14/12/21		Construction Main Roof RC Slab Construction Defer Roof R
214 215	Construction of Staircase ST-01 & lift shaft & machine room Construction M/F RC Slab	130 days 14 days	Fri 27/8/21 Wed 1/9/21	Mon 3/1/22 Tue 14/9/21		
216 217	Lift Installation Construction of Staircase ST-02 except defer work	60 days 68 days	Tue 4/1/22 Mon 11/10/21	Fri 4/3/22 Fri 24/12/21	······	Construct
218 219 220	Construction of RC plinth, kerbs & parapet Walls Erection of Skylight & Roof Features	40 days 50 days	Sat 20/11/21 Fri 26/11/21	Wed 29/12/21 Fri 14/1/22		•
221	Waterproofing & Flooring at Roof ABFW Works Publisher Commence Works	34 days 100 days	Thu 30/12/21 Fri 8/10/21	Thu 17/2/22 Sat 15/1/22 Mon 28/2/22		7
223	Building Services Works Metal Cladding, Windows and Louvres incl. roof feature Removal of external scaffolding	105 days 185 days	Tue 16/11/21 Mon 23/8/21 Wed 1/12/21	Wed 23/2/22 Mon 28/2/22		
225	Installation of Catwalk at south elevation Cladding, ABWF & BS Works	90 days 26 days 30 days	Mon 31/1/22 Wed 2/3/22	Tue 1/3/22 Thu 31/3/22		
227	Removal of tempoary works & clearance for plant erection contractor  Section C - (iii) Link Bridge between L11 and L12 MSB includin their associated A&A at L11 MSB	30 days 30 days <b>493 days</b>	Sun 30/1/22 Fri 4/12/20	Mon 28/2/22 Sun 10/4/22	c.D(iv)	
	Section C - (iii) Link Bridge between L11 and L12 M3B includin their associated A&A at L11 M3B	493 uays				
229	BD Consent	U dave	Fri 4/10/20	Fri 4/10/00		
229 230 231	BD Consent Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up	0 days 250 days 30 days	Fri 4/12/20 Fri 25/12/20 Fri 3/12/21	Fri 4/12/20 Tue 31/8/21 Sat 1/1/22	NF)	4
230	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection	250 days 30 days 0 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22	WF)	
230 231 232	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection A&A works at South of L11 MSB Erection of link bridge structural steel	250 days 30 days 0 days 30 days 30 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22 Fri 3/12/21 Sun 2/1/22	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22 Sat 1/1/22 Mon 31/1/22	WF)	
230 231 232 233 234	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection A&A works at South of L11 MSB	250 days 30 days 0 days 30 days 30 days 11 days 24 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22 Fri 3/12/21	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22 Sat 1/1/22	WF)	X
230 231 232 233 234 235 236 237 238 239	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection A&A works at South of L11 MSB Erection of link bridge structural steel Casting of bridge deck Metal roofing installation	250 days 30 days 0 days 30 days 30 days 11 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22 Fri 3/12/21 Sun 2/1/22 Tue 1/2/22 Sat 12/2/22	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22 Sat 1/1/22 Mon 31/1/22 Fri 11/2/22 Mon 7/3/22	WF)	
230 231 232 233 234 235 236 237 238	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection A&A works at South of L11 MSB Erection of link bridge structural steel Casting of bridge deck Metal roofing installation ABWF work BS Works Ready for power cable laying work by others Section D - (Ii) No. 5 Chimney with L12 Steel Flue Liner	250 days 30 days 0 days 30 days 30 days 11 days 24 days 30 days 20 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22 Fri 3/12/21 Sun 2/1/22 Tue 1/2/22 Sat 12/2/22 Sun 20/2/22 Tue 22/3/22 Sun 10/4/22 Fri 1/1/21	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22 Sat 1/1/22 Mon 31/1/22 Fri 11/2/22 Mon 7/3/22 Mon 21/3/22 Sun 10/4/22 Sun 10/4/22 Tue 21/3/23	c.D(v)	<b>X</b>
230 231 232 233 234 235 236 237 238 239 240	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection A&A works at South of L11 MSB Erection of link bridge structural steel Casting of bridge deck Metal roofing installation ABWF work BS Works Ready for power cable laying work by others  Section D - (ii) No. 5 Chimney with L12 Steel Flue Liner Area Possession & Clearance Subletting / Fabrication / Delivery (For Civil and BS for Microwave Antenna and Equipment)	250 days 30 days 0 days 30 days 30 days 31 days 11 days 24 days 30 days 20 days 45 days 45 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22 Fri 3/12/21 Sun 2/1/22 Tue 1/2/22 Sut 12/2/22 Sun 20/2/22 Tue 22/3/22 Sun 10/4/22 Fri 1/1/21 Fri 8/1/21 Fri 8/1/21	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22 Sat 1/1/22 Mon 31/1/22 Fri 11/2/22 Mon 7/3/22 Mon 21/3/22 Sun 10/4/22 Sun 10/4/22 Tue 21/3/23 Sun 14/2/21 Fri 7/5/21		
230 231 232 233 234 235 236 237 238 239 240 241 242	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection A&A works at South of L11 MSB Erection of link bridge structural steel Casting of bridge deck Metal roofing installation ABWF work BS Works Ready for power cable laying work by others Section D - (ii) No. 5 Chimney with L12 Steel Flue Liner Area Possession & Clearance	250 days 30 days 0 days 0 days 30 days 31 days 11 days 24 days 30 days 20 days 45 days 45 days 45 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22 Fri 3/12/21 Sun 2/1/22 Tue 1/2/22 Sat 12/2/22 Sun 20/2/22 Tue 22/3/22 Sun 10/4/22 Fri 1/1/21 Fri 1/1/21	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22 Sat 1/1/22 Mon 31/1/22 Fri 11/2/22 Mon 21/3/22 Sun 10/4/22 Sun 10/4/22 Tue 21/3/23 Sun 14/2/21		
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230   231   232   233   234   235   236   237   238   239   241   242   245   245   245   255   256   256   256   266   266   266   266   267   268   268   269   270   271   272   274   275   276	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection A&A works at South of L11 MSB Erection of link bridge structural steel Casting of bridge deck Metal roofing installation ABWF work BS Works Ready for power cable laying work by others Section D - (I) No. 5 Chimney with L12 Steel Flue Liner Area Possession & Clearance Subletting / Fabrication / Delivery (For Civil and BS for Microwave Antenna and Equipment) Excavation & Pile Cap & Backfill Tower Crane erection Construction of Wind Shiled + clearance for internal floors and flue+Ground slab Structural steel fabrication & Delivery for floors and staircase Erection of steel floors Construction of GF room incl. Microwave Antenna Rm Construction of 1/F RC slab Construction of 1/F RC slab Construction of 1/F RC slab Construction of AFR C slab Construction of For Slab Construction of For Slab Construction of OFF or Slab Construction of OFF or Slab Construction of OFF or Slab Construction of Toor Slab Removal of tower Crane Steel Flue flabrication and delivery Set up for steel flue installation Lift & install steel flue liner + cladding works Lift installation Installation Loure & Doors Mis works, Demobilization and ready for gas duct connection Section D (I) - ABWF and BS Works at Microwave Antenna Room and Chimney Windshield for installation of microwave and antenna Completion of Microwave Antenna Room Remaining ABWF & BS Works Section E (I) Administration and Control Building (Transformer Room) Area Possession & Clearance + BD consent Subletting / Fabrication / Delivery (For Civil+BS+ABWF) Excavation works Main Earth Grd Installation Pile cap and Tis Beam Tower Crane Erection and modification works Substructure + Bearing walls + On grade slabs Construction E (II) Handover G/F, 1/F, 2/F & Hoisting Well Clearing Works and plant set-up	250 days 30 days 0 days 0 days 30 days 30 days 30 days 310 days 24 days 20 days 20 days 0 days 20 days 90 days 45 days 45 days 8 days 8 days 8 days 8 days 8 days 8 days 145 days 145 days 161 days 17 days 17 days 1810 days 1810 days 195 days 196 days 197 days 198 days 199 days 190 days 100 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22 Fri 3/12/21 Sun 2/1/22 Fri 3/12/21 Sun 2/1/22 Sun 20/1/22 Tue 1/2/22 Sun 20/2/22 Tue 22/3/22 Sun 10/4/22 Fri 1/1/21 Fri 1/1/21 Fri 1/1/21 Fri 1/1/21 Fri 1/1/21 Tue 11/5/21 Fri 2/4/21 Mon 3/1/22 Tue 19/4/22 Tue 19/4/22 Tue 7/7/22 Sun 13/8/22 Fri 5/8/22 Tue 21/6/22 Sun 21/8/22 Tue 21/6/22 Tue 1/3/22 Tue 5/7/22 Tue 21/6/22 Tue 5/7/22 Tue 1/3/22 Tiue 1/3/22	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22 Sat 1/1/22 Sat 1/1/22 Mon 31/1/22 Fri 11/2/22 Mon 31/1/22 Fri 11/2/22 Mon 21/3/22 Sun 10/4/22 Sun 10/4/22 Sun 10/4/22 Sun 10/4/22 Fri 7/5/21 Thu 1/4/21 Wed 9/6/21 Mon 4/4/22 Fri 22/7/22 Wed 6/7/22 Sat 20/8/22 Sat 20/8/22 Sat 20/8/22 Sat 20/8/22 Fri 12/8/22 Thu 4/4/22 Fri 12/8/22 Thu 14/7/22 Sat 20/8/22 Sat 20/8/22 Fri 1/8/22 Thu 14/7/22 Sat 21/1/23 Fri 3/2/23 Tue 21/3/23 Fri 3/2/23 Sat 21/1/23 Fri 10/6/22 Tue 1/3/22 Fri 10/6/22 Sun 31/10/21 Mon 1/2/21 Tue 16/2/21 Tue 16/2/21 Tue 16/2/21 Tue 16/2/21 Tue 19/8/21 Sun 31/10/21 Mon 28/2/22 Sat 20/11/23 Sat 21/10/21 Sun 17/1/21 Sun 17/1/21 Sun 31/10/21 Sun 31/10/21 Sun 31/10/21 Sun 31/10/21 Sat 31/7/21 Sat 31/7/21 Sat 31/7/21 Sat 31/7/21	c.E1(II) 31-Oot-21	Clearing Works and plant set-up
230   231   232   233   234   235   236   237   238   239   241   242   245   245   255   256   257   258   259   260   261   266   267   272   273   278	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection A&A works at South of L11 MSB Erection of link bridge structural steel Casting of bridge deck Metal roding installation ABWF work BS Works Ready for power cable laying work by others Section D - (ii) No. 5 Chimney with L12 Steel Flue Liner Area Possession & Clearance Subletting / Fabrication / Delivery (For Civil and BS for Microwave Antenna and Equipment) Excavation & Pile Cap & Backfill Tower Crane erection Construction of Wind Shiled + clearance for internal floors and flue+Ground slab Structural steel fabrication & Delivery for floors and staircase Erection of Steel floors Construction of Vind Shiled + clearance for internal floors and flue+Ground slab Structural steel fabrication & Delivery for floors and staircase Erection of Steel floors Construction of JF RC Slab Construction of AFR Cs Islab Construction of Microwave And Islanding Completion of Microwave	250 days 30 days 0 days 0 days 30 days 30 days 31 days 11 days 24 days 30 days 20 days 0 days 810 days 120 days 45 days 90 days 300 days 300 days 45 days 45 days 45 days 8 days 8 days 8 days 8 days 8 days 8 days 145 days 100 days 100 days 100 days 100 days 115 days 100 days 100 days 100 days 115 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22 Fri 3/12/21 Sun 2/1/22 Sun 2/1/22 Sun 20/2/22 Sun 20/2/22 Sun 20/2/22 Sun 10/4/22 Fri 1/1/21 Tue 11/5/21 Tue 11/5/21 Tue 11/5/21 Tue 11/5/21 Tue 13/4/22 Thu 7/7/22 Tue 19/4/22 Thu 7/7/22 Tue 19/4/22 Thu 7/7/22 Tue 21/6/22 Sun 21/8/22 Thu 7/7/22 Tue 21/6/22 Tue 5/7/22 Thu 28/7/22 Thu 5/7/22 Thu 5/1/23 Thu 5/1/23 Thu 5/1/23 Thu 5/1/23 Tue 1/3/22 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Sun 3/1/21 Wed 10/2/21 Wed 17/2/21 Sun 3/1/21	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22 Sat 1/1/22 Mon 31/1/22 Mon 31/1/22 Mon 31/1/22 Mon 21/3/22 Mon 21/3/22 Sun 10/4/22 Sun 10/4/22 Sun 10/4/22 Tue 21/3/23 Sun 14/2/21 Fri 7/5/21 Thu 1/4/21 Wed 9/6/21 Mon 4/4/22 Fri 22/7/22 Wed 6/7/22 Sat 20/8/22 Sat 20/8/22 Fri 12/8/22 Thu 4/8/22 Thu 14/7/22 Sat 20/8/22 Sat 27/8/22 Sat 27/8/22 Fri 12/9/22 Wed 4/1/23 Tue 21/3/23 Fri 3/2/23 Sat 21/1/23 Fri 10/6/22 Sun 31/10/21 Mon 1/2/21 Tue 16/2/21 Tue 18/2/21 Sat 31/1/21 Sat 31/1/21 Sat 31/1/21 Sat 31/1/21 Sat 31/7/21 Mon 1/3/9/21 Tue 21/9/21 Tue 3/3/9/21 Tue 3/3/9/21 Tue 3/3/9/21 Tue 3/3/9/21 Tue 3/3/9/21	c.E(ii)  ABWF at G/F  F incl. staircases  H RC up to 3F incl. staircases	Clearing Works and plant set-up
230   231   232   233   234   235   236   237   238   239   240   241   242   245   246   247   255   256   256   256   256   256   256   256   256   256   256   256   256   256   257   258   259   250	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection A&A works at South of L11 MSB Erection of link bridge structural steel Casting of bridge deck Metal roofing installation ABWF work BS Works Ready for power cable laying work by others Section D - (ii) No. 5 Chimney with L12 Steel Flue Liner Area Possession & Clearance Subletting / Fabrication / Delivery (For Civil and BS for Microwave Antenna and Equipment) Excavation & Pile Cap & Backfill Tower Crane erection Construction of Wind Shiled + clearance for internal floors and flue+Ground slab Structural steel fabrication & Delivery for floors and staircase Erection of steel floors Construction of GF room incl. Microwave Antenna Rm Construction of 17 FRC slab Construction of 27 FR C Slab Construction of 27 FR C Slab Construction of 37 FR C slab Construction of 47 FR C slab Construction of 47 FR C slab Construction of 47 FR C slab Construction of 18 FR C slab Construction of 38 FR C slab Construction of Medical Recomposition Lift & install steel flue liner + cladding works Lift installation Installation Louvre & Doors Mis works, Demobilization and ready for gas duct connection Section D (i) - ABWF and BS Works at Microwave Antenna Room and Chimney Windshield for installation of microwave and antenna Completion of Microwave Antenna Room Remaining ABWF & BS Works Section E - (i) Administration and Control Building (Transformer Room) Area Possession & Clearance + BD consent Subletting / Fabrication / Delivery (For Civil+BS+ABWF) Excavation works Main Earth Grid Installation Pile cap and Tie Beam Tower Crane Erection and modification works Substructure + Bearing walls + On grade slabs Construction of RC up to 17 Fincl. staircases ABWF at G/F Section E (ii) Handover G/F, 1/F, 2/F & Hoisting Well Clearing Works and plant set-up Subletting / Fabrication / Delivery (For NSC Lift) Construction of RC up to 22 Fincl. staircases	250 days 30 days 0 days 0 days 30 days 30 days 310 days 311 days 24 days 30 days 20 days 20 days 45 days 45 days 45 days 8 days 90 days 100 days 101 days 102 days 103 days 104 days 105 days 105 days 106 days 107 days 108 days 109 days 100 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22 Fri 3/12/21 Sun 2/1/22 Fri 3/12/21 Sun 2/1/22 Sun 20/2/22 Sun 20/2/22 Sun 20/2/22 Tue 22/3/22 Sun 10/4/22 Fri 1/1/21 Fri 1/1/21 Fri 1/1/21 Fri 1/1/21 Fri 2/4/21 Tue 11/5/21 Fri 2/4/21 Tue 11/5/21 Tri 2/4/21 Tue 11/5/21 Fri 2/4/21 Tue 11/5/22 Thu 7/7/22 Thu 7/7/22 Thu 3/1/22 Thu 28/7/22 Thu 28/7/22 Thu 28/7/22 Thu 5/7/22 Tue 21/6/22 Sun 21/8/22 Sun 21/8/22 Sun 21/8/22 Thu 5/1/23 Tue 1/3/22 Thu 5/1/23 Tue 1/3/22 Thu 3/3/22 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Sun 3/1/21 Wed 10/2/21 Wed 17/2/21 Sun 3/1/21 Sun 3/1/21 Fri 4/12/20 Sun 3/1/21 Sun 3/1/21 Sun 3/1/21 Sun 3/1/21 Fri 4/12/20 Sun 3/1/21	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22 Sat 1/1/22 Mon 31/1/22 Mon 31/1/22 Mon 31/1/22 Mon 31/3/22 Mon 21/3/22 Sun 10/4/22 Sun 10/4/23 Sun 14/2/21 Fri 7/5/21 Thu 1/4/21 Wed 9/6/21 Mon 4/4/22 Fri 22/7/22 Wed 6/7/22 Sat 20/8/22 Fri 12/8/22 Thu 4/8/22 Thu 4/8/22 Thu 4/8/22 Thu 4/8/22 Thu 14/7/22 Sat 20/8/22 Fri 12/8/22 Thu 14/7/22 Sat 20/8/22 Fri 12/8/22 Thu 14/7/22 Sat 20/8/22 Thu 14/7/22 Sat 20/8/22 Fri 10/6/22 Sun 31/10/21 Wed 12/5/21 Sun 31/10/21 Tue 16/2/21 Tue 16/2/21 Tue 16/2/21 Tue 16/2/21 Tue 16/2/21 Tue 16/2/21 Tue 19/8/21 Sun 31/10/21 Mon 12/8/21 Sun 31/10/21 Tue 16/8/21 Tue 19/8/21 Sun 31/10/21 Sun 31/10/21 Mon 28/2/22 Sat 20/11/21 Sun 31/10/21 Mon 13/9/21	c.D(v)  c.E1(li)  ABWF at G/F	Clearing Works and plant set-up
230   231   232   233   234   235   236   237   238   239   240   241   242   245   245   255   256   257   258   259   260   261   265   266   266   267   272   278   278   277   278   277   278   279   280   280   280   277   278   279   280   280   280   277   278   279   280	Subletting / Fabrication / Delivery (For BS and ABWF) Clearing Works and plant set-up Dismantle of north scaffold for link bridge erection A&A works at South of L11 MSB Errection of link bridge structural steel Casting of bridge deck Metal roofing installation ABWF work BS Works Ready for power cable laying work by others  Section D - (ii) No. 5 Chimney with L12 Steel Flue Liner Area Possession & Clearance Subletting / Fabrication / Delivery (For Civil and BS for Microwave Antenna and Equipment) Excavation & Pile Cap & Backfill Tower Crane erection Construction of Wind Shiled + clearance for internal floors and flue+Ground slab Structural steel fabrication & Delivery for floors and staircase Erection of steel floors Construction of Wind Shiled + clearance for internal floors and flue+Ground slab Structural steel fabrication & Delivery for floors and staircase Erection of steel floors Construction of Ol/F RC slab Construction of 1/F RC slab Construction of 4/F RC slab Construction of 4/F RC slab Construction of 1/F RC slab Construction of 1/F RC slab Construction of More Crane Steel Flue fabrication and delivery Set up for steel flue installation Installation Lourve & Doors Mis works, Demobilization and ready for gas duct connection Section D (i) - ABWF and BS Works at Microwave Antenna Room and Chimney Windshield for installation of microwave and antenna Completion of Microwave Antenna Room Remaining ABWF & BS Works Section E - (i) Administration and Consent Subletting / Fabrication / Delivery (For Civil+BS+ABWF) Excavation works Main Earth Grid Installation Pile cap and Tie Beam Tower Crane Erection and modification works Substructure + Bearing walls + On grade slabs Construction of RC up to 1/F incl. staircases ABWF at G/F Section E (ii) Handover G/F - 1/F, 2/F & Hoisting Well Clearing Works and plant set-up Construction of RC up to 1/F incl. staircases Construction of RC up to 1/F incl. staircases Construction of RC up to 1/F	250 days 30 days 0 days 0 days 30 days 30 days 30 days 310 days 24 days 20 days 0 days 20 days 0 days 20 days 45 days 30 days 30 days 30 days 45 days 45 days 8 days 8 days 8 days 8 days 8 days 120 days 90 days 30 days 30 days 30 days 10 days 45 days 8 days 8 days 8 days 8 days 145 days 100 days 100 days 100 days 100 days 100 days 115 days 45 days 45 days 45 days 45 days 100 days 115 days 100 days 115 days 115 days 45 days 21 days 22 days 21 days 22 days 22 days 23 days 24 days 26 days 27 days 28 days 29 days 29 days 20 days	Fri 25/12/20 Fri 3/12/21 Tue 25/1/22 Fri 3/12/21 Sun 2/1/22 Sun 2/1/22 Sun 20/2/22 Sun 20/2/22 Sun 20/2/22 Sun 10/4/22 Fri 1/1/21 Tue 11/5/21 Fri 2/4/21 Mon 3/1/22 Tue 19/4/22 Thu 7/7/22 Tue 19/4/22 Thu 7/7/22 Tue 21/6/22 Thu 27/22 Thu 27/22 Thu 27/22 Thu 27/22 Thu 27/22 Thu 27/22 Thu 2/1/22 Thu 3/3/22 Thu 5/1/23 Thu 5/1/23 Thu 5/1/23 Tue 1/3/22 Thu 5/1/23 Thu 5/1/23 Tue 1/3/22 Thu 3/3/22 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Fri 4/12/20 Sun 3/1/21 Wed 17/2/21 Sun 3/1/21 Sun 3/1/21 Fri 1/19/21 Fri 1/19/20 Sun 3/1/21	Tue 31/8/21 Sat 1/1/22 Tue 25/1/22 Sat 1/1/22 Mon 31/1/22 Mon 31/1/22 Fri 11/2/22 Mon 31/1/22 Mon 7/3/22 Mon 21/3/22 Sun 10/4/22 Sun 10/4/22 Sun 10/4/22 Sun 10/4/21 Fri 7/5/21 Thu 1/4/21 Wed 9/6/21 Mon 4/4/22 Fri 22/7/22 Wed 6/7/22 Sat 20/8/22 Sat 20/8/22 Sat 20/8/22 Fri 12/8/22 Thu 14/7/22 Sat 20/8/22 Fri 12/8/22 Thu 4/7/22 Sat 27/8/22 Wed 4/1/23 Tue 21/3/23 Fri 3/9/22 Wed 4/1/23 Tue 21/3/23 Fri 10/6/22 Tue 1/3/22 Fri 10/6/22 Sun 31/10/21 Mon 1/2/21 Tue 16/2/21 Sun 31/10/21 Sat 31/1/23 Sat 31/1/21 Sun 31/10/21 Sun 31/10/21 Sun 31/10/21 Sun 31/10/21 Sun 31/10/21 Sun 31/10/21 Sat 31/7/21 Mon 28/2/22 Sat 20/11/21 Sat 31/7/21 Mon 13/9/21 Tue 5/10/21 Tue 5/10/21	c.E1(II)  C.E1(II)  ABWF at G/F  I incl. staircases  I RC up to 3/F incl. staircases  Tempoary Hoist erection	Clearing Works and plant set-up

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

Construction of RC up to R/F incl. staircase Construction of RC up to R/F incl. staircases 25 days Construction of RC up to lift machine room
Construction of RC up to UR/F
External Wall Finish, Cladding + Windows and Louvres + Features Mon 25/10/2 Sun 14/11/21 21 days Mon 15/11/21 Thu 30/9/21 Fri 8/10/21 Sun 5/12/21 Mon 14/2/22 Mon 10/1/22 21 days 138 days 95 days ABWF at 2/F 96 days Fri 15/10/21 Tue 18/1/22 Building Services Works at G/F, 1/F, 2/F & Hoisting Well ection E (iii) Whole of Administration and Control Building Subletting / Fabrication / Delivery (For BS+ABWF) 147 days Tue 5/10/21 Mon 28/2/22 288 <mark>544 days</mark> 127 days 289 290 291 Construction of New UG Grev Water Tank 60 days Mon 20/3/23 Thu 18/5/23 60 days 120 days 90 days Wed 19/1/22 Mon 25/10/21 Wed 24/11/21 Sat 19/3/22 Mon 21/2/22 Mon 21/2/22 Submission of WW046 for commencement ABWF at 3/F ABWF at R/F 60 days Wed 15/12/21 Sat 12/2/22 ABWF at UR/F + Lift Machine Room 45 days Wed 5/1/22 Fri 18/2/22 Mon 7/2/22 Fri 7/1/22 Mon 24/1/22 296 Removal of external scaffolding 39 days Wed 9/3/22 Waterproofing & screeding 60 days Mon 6/12/21 Thu 3/2/22 Removal of Tower Crane
External utilities and road work
Building Services Works 7 days 45 days 160 days Thu 10/3/22 Tue 8/2/22 Tue 7/12/21 Wed 16/3/22 Thu 14/4/22 Sun 15/5/22 Sat 21/5/22 300 False ceiling after BS works 54 days Tue 29/3/22 Submission of WW046 for completion 30 days 14 days Wed 9/3/22 Fri 13/5/22 Thu 7/4/22 Thu 26/5/22 Section F (i) - Gas Receiving Station and L12 Gas Receiving Station Equipment Room (GRS) Area Wed 30/11/22 548 days Tue 1/6/21 Extension at Area F14 Area Possession & Clearance + BD consent 90 days Tue 1/6/21 Subletting / Fabrication / Delivery
Installation of pipe pile at north of GRS (VO)
Construction Equipment room extension
Modification of existing drainage
Excavation & earthing for Skid foundations
Construction of Skid boundations 30 days Tue 22/6/21 Mon 5/7/21 Wed 21/7/21 134 days Mon 15/11/21 145 days 45 days 21 days Sun 31/10/21 Fri 25/3/22 Mon 9/5/22 Thu 24/3/22 Sun 8/5/22 Sun 29/5/22 Construction of Skid foundation 45 days Mon 30/5/22 Wed 13/7/22 Construct underground utilities and drainage Backfill and road works Relocate / install new fencing for completion 45 days Thu 14/7/22 Sat 27/8/22 60 days 21 days 14 days Sun 28/8/22 Thu 27/10/22 Thu 17/11/22 Wed 26/10/22 Wed 16/11/22 Wed 30/11/22 316 Mis. Work and ready for OP inspection ection F (ii) - Pipe and Cable rack and external work at Area F9A and F9B 515 days 90 days 30 days Sat 2/1/21 Mon 1/11/21 ent + Site Possession at Area F9A & F9B Thu 1/4/21 Excavation & Plate load test Excavation & Plate load tes Tue 30/11/21 Construction new footing for pipe rack 30 days Wed 1/12/21 Thu 30/12/21 Underground utilites and road works for completion Thu 31/3/22 Tue 31/5/22 Structural Steel fabrication & Delivery
Ercetion of new pipe rack Sat 2/10/21 Fri 31/12/21 Wed 11/5/22 324 325 Mis. Work and ready for OP inspection 21 days Tue 31/5/22 ection F (iii) - No. 5 CW Equipment Room, pipe and cable rack, external works at Area F10 457 days Wed 31/8/22 Area Possession & Clearance + BD consent Subletting / Fabrication / Delivery For ABWF + BS 90 days 150 days Sun 29/8/21 Fri 29/10/21 328 Installation of Sheet Pile (VO) 85 days Tue 1/6/21 Tue 24/8/21 Consent for ELS Works 28 days Wed 25/8/21 Tue 21/9/21 Excavation & Plate load test
Construction new footing for equipment room Wed 22/9/21 Thu 23/12/21 Thu 21/10/21 Mon 28/2/22 Fri 29/4/22 332 Excavation & Plate load test 333 Superstructure for equipment room Tue 1/3/22 60 days ABWF Works 45 days Sat 30/4/22 Mon 13/6/22 BS Works
Construction RC Wall & plinths & drainage at Chlorinator area
External wall finish & remove scaffolding
Excavation & Plate load test for pipe rack extension (For F45-47 & F49) Wed 1/6/22 Wed 30/3/22 Sat 14/5/22 Thu 30/6/22 Fri 13/5/22 Sun 12/6/22 30 days 45 days 336 30 days Sun 14/11/21 30 days Sat 16/10/21 Construction new footing for pipe rack (For F45-47 & F49)
Underground utilities and road works for completion
Structural Steel fabrication & Delivery 45 days Mon 15/11/21 Wed 29/12/21 Sun 27/2/22 Fri 11/3/22 Fri 11/3/22 Thu 30/12/21 9 Backfilling and prepare for steel erection Mon 28/2/22 12 days Excavation & Plate Load test for pipe rack extenstion (For F48 F56)
Construction of new footing for pipe rak (For F48 & F56)
Erection of new pipe rack (For F48 & F56)
Erection of new pipe rack (For F48 & F56)
Erection of new pipe rack (For F45-47 & F49) 14 days Wed 30/3/22 Tue 12/4/22 Tue 26/4/22 14 davs Wed 13/4/22 Tue 3/5/22 Sat 12/3/22 Wed 6/7/22 Fri 20/5/22 70 days Mis. Work and ready for OP inspection 56 days Thu 7/7/22 Wed 31/8/22 Area Possession & Clearance after handover from No. 5 Intake Contractor Subletting / Fabrication / Delivery 145 days Sat 4/6/22 Wed 26/10/22 Sat 4/6/22 Sat 4/6/22 Sun 3/7/22 Sun 3/7/22 350 30 days 30 days Submission WWO046 for commencement 30 days Sat 4/6/22 Sun 3/7/22 Tue 19/7/22 Construct Underground utilities and drainage Install new FS Hydrant Submission WWO046 for completeion 30 davs Mon 20/6/22 20 days 30 days Mon 20/6/22 Sat 30/7/22 Sat 9/7/22 Sun 28/8/22 Construction Road extension 58 days Sat 30/7/22 Sun 25/9/22 Construction road paving and install fencing
Ready for OP inspection
ection G (ii) - External Works at Area F12 & F13 30 days Mon 26/9/22 Tue 25/10/22 14 days 666 days Thu 13/10/22 Fri 4/12/20 358 Wed 26/10/22 359 Area Possession & Clearance after handover from other 45 days Fri 4/12/20 Sun 17/1/21 Subletting / Fabrication / Delivery 180 davs Thu 4/3/21 Mon 30/8/21 21 days 30 days Sat 23/10/21 Sat 13/11/21 Fri 12/11/21 Sun 12/12/21 Submission WWO046 for commencement Construct Underground utilities and drainage Install new FS Hydrant 90 days Mon 13/12/2 Sat 12/3/22 30 days Sun 13/3/22 Mon 11/4/22 366 Submission WWO046 for completion Tue 12/4/22 Wed 11/5/22 Construction Road extension
Complete with Mis. Works for completion Thu 15/9/22 Fri 30/9/22 15 days Fri 16/9/22 ection G (iii) - FS Modification works along South Seafront Road at Area F15 183 davs Area Possession & Clearance after handover from other Subletting / Fabrication / Delivery 45 days 21 days Sun 15/5/22 Thu 21/4/22 Fri 1/4/22 Temporary Traffice Arrangement approva 14 days Fri 1/4/22 Thu 14/4/22 Utilities scanning and expose existing FS
Determine new FS alignment
Submission to FSD 14 days Fri 15/4/22 Thu 28/4/22 374 Fri 29/4/22 Thu 19/5/22 375 60 days Fri 3/6/22 Backfill and reinstatment + report to FSD 60 days Tue 2/8/22 Fri 30/9/22 ection G (iv) - 275kV cable trenches and External Works at Area F16 Area Possession & Clearance **518 days** 60 days Sat 1/5/21 Sat 1/5/21 Wed 17/11/21 378 Fri 30/9/22 Subletting / Fabrication / Delivery 210 days Tue 14/6/22 Temporary Traffice Arrangement approval Removal of aboveground services Utilities scanning and expose exising UU 60 days Sat 1/5/21 Tue 29/6/21 60 days 30 days Sat 28/8/21 Mon 27/9/2 382 Wed 30/6/21 383 Arrange of diversion existing UG utilities 90 days 173 days Tue 28/9/21 Mon 27/12/21 Sun 26/12/21 Fri 17/6/22 Construct new cable trenches Realigment / install new UG utilities 60 days 45 days Sat 18/6/22 Tue 16/8/22 Backfill and reinstate & ready for cable laying by others
ection G (v) - Shunt Reactor Compound and External Works at Area F17
Temporary Traffice Arrangement approval Wed 17/8/22 Fri 30/9/22 666 days Fri 30/9/22 Sun 17/1/21 45 days Fri 4/12/20 Subletting / Fabrication / Delivery
BD approval & consent for pipe pile installation
Area Possession & Clearance 100 days 90 days Fri 25/12/20 Fri 4/12/20 Thu 4/3/21 390 Sat 3/4/21 Wed 3/3/21 Wed 17/3/21 Wed 7/4/21 391 14 days 21 days Removal of aboveground services Thu 18/3/21 Utilities scanning and expose exising UU

Arrange of diversion existing UG utilities 15 days Thu 8/4/21 Thu 22/4/21 Fri 23/4/21 Sun 23/5/21 Fri 23/7/21 Sun 6/6/21 Thu 22/7/21 61 days 28 days Install pipe piles BA14 for pipepile and BD consent for ELS Thu 19/8/21 & install earthing Excavation & install earthing 35 days Fri 20/8/21 Thu 23/9/21 Construct Pile Caps and Tie Beams
Backfill & Erect scaffold
Construction of SRC Walls 45 days 21 days 75 days Sun 7/11/21 Sun 28/11/21 Fri 11/2/22 399 Fri 24/9/2 onstruct Pile Caps and Tie Beam Backfill & Erect scaffold Wall finish and remove scaffolding 24 days Sat 12/2/22 Mon 7/3/22 Construct new cable trenches 60 days Tue 8/3/22 Fri 6/5/22 Construct new capie trenches
Install new UG Utilities, Backfill and reinstate & ready for cable laying by Others for DAX1
Realigment / install new UG utilities (for DAX2, APX1 & APX3) Backfill and reinstate & ready for cable laying by others (for DAX2, APX1, & APX3) 30 days Thu 1/9/22 Fri 30/9/22 ection G (vi) - 275kV cable trenches and External Works at Area F18
Temporary Traffice Arrangement approval
Subletting / Fabrication / Delivery 397 days Sat 1/5/21 Wed 1/6/22 408 45 days 60 days Area Possession & Clearance 15 days Sat 1/5/21 Sat 15/5/21 Removal of aboveground services Utilities scanning and expose exising UU Arrange of diversion existing UG utilities 30 davs Sun 16/5/21 Mon 14/6/21 Thu 29/7/21 Mon 27/9/21 Tue 15/6/21 Fri 30/7/21 Fri 18/3/22 Construct new cable trenches 172 days Tue 28/9/2 Realigment / install new UG utilities 45 days Sat 19/3/22 Mon 2/5/22 Backfill and reinstate & ready for cable laying by others ection G (vii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20A Tue 3/5/22 Fri 4/12/20 Fri 4/12/20 Wed 1/6/22 Sun 8/5/22 Sat 2/1/21 416 30 days 21 dáys 30 days Area Possession & Clearance Mon 22/2/21 Subletting / Fabrication / Delivery 60 days Fri 25/12/20 Temporary Traffice Arrangement approval ELS BD approval & consent Wed 29/9/21 Wed 17/3/21 Demolition of existing carriageway 30 days Fri 10/12/21 emoval of aboveground services Removal of aboveground services 21 days Thu 30/9/21 Wed 20/10/21 Utilities scanning and expose exising UU
Arrange of diversion existing UG utilities
Excavation and construction of new Flood wall 21 days 30 days 65 days Wed 10/11/21 Sun 9/1/22 Tue 15/3/22 424 425 Thu 21/10/21 Sat 11/12/21 Realigment / install new UG utilities Wed 16/3/22 30 days Thu 14/4/22 Backfill and construct new carriageway 18 days Fri 15/4/22 Mon 2/5/22 Tue 3/5/22 Sun 8/5/22 ection G (viii) - Flood wall at No. 5 CW Intake Area along HUA at Area F20B 365 days Fri 1/10/21 Fri 30/9/22 Area Possession & Clearance Area Possession & Clearance 45 days Fri 1/10/21 Sun 14/11/21 Subletting / Fabrication / Delivery
Temporary Traffice Arrangement approval Fri 22/10/21 Fri 1/10/21 Wed 19/1/22 Temporary Traffice Arrangen ELS BD approval & consent Temporary Traffice Arrangement approval 90 days Fri 15/10/21 Wed 12/1/22 MASTER PROGRAMME Rev 1-B 23 Aug 2021 Task Split Split Milestone Paul Y

tract No. 19/83002 Lamma Power Station Extension Civil and B	Building V	Vorks for Un	it L12		Master Progra
Demolition of existing carriageway	60 days	Fri 1/10/21	Mon 29/11/21	Oct	Nov Dec Demolition of existing carriageway
Removal of aboveground services Utilities scanning and expose existing UU	21 days 21 days	Tue 30/11/21 Tue 21/12/21	Mon 20/12/21 Mon 10/1/22		Remo
Arrange of diversion existing UG utilities Install Sheetpiles	30 days 55 days	Tue 11/1/22 Thu 10/2/22	Wed 9/2/22 Tue 5/4/22		
BA14 for sheetpile and BD consent for ELS  Excavation and construction of new Flood wall	28 days 90 days	Wed 6/4/22 Wed 4/5/22	Tue 3/5/22 Mon 1/8/22		
Realigment / install new UG utilities Backfill and construct new carriageway	30 days 21 days	Tue 2/8/22 Thu 1/9/22	Wed 31/8/22 Wed 21/9/22		
Mis. Work for completion ection G (ix) - Bund wall modification works at South Seafront Road at Area F21	9 days 316 days	Thu 22/9/22 Fri 4/12/20	Fri 30/9/22 Fri 15/10/21	5 Oct '21	
Area Possession & Clearance Subletting / Fabrication / Delivery	45 days 90 days	Fri 4/12/20 Fri 25/12/20	Sun 17/1/21 Wed 24/3/21		
Temporary Traffice Arrangement approval	165 days	Fri 4/12/20	Mon 17/5/21		
ELS BD approval & consent  Demolition of existing carriageway	0 days 14 days	Thu 17/12/20 Tue 18/5/21	Thu 17/12/20 Mon 31/5/21		
Removal of aboveground services Utilities scanning and expose exising UU	14 days 21 days	Tue 1/6/21 Tue 15/6/21	Mon 14/6/21 Mon 5/7/21		
Arrange of diversion existing UG utilities (include FS pipe under 17/8002)  Excavation and expose existing bund wall & demolish	40 days 18 days	Tue 6/7/21 Wed 28/7/21	Sat 14/8/21 Sat 14/8/21		
Construction new bund wall for road junction Realigment / install new UG utilities (include FS pipe under 17/8002)	21 days 60 days	Sat 4/9/21 Sun 1/8/21	Fri 24/9/21 Wed 29/9/21	tion new bund wall for road junction  Realigment / install new UG utilities (include FS pipe under 17/8002)	
Backfill and construct new carriageway	16 days	Thu 30/9/21	Fri 15/10/21	Backfill and construct new carriageway  Mis. Work for completion	
Mis. Work for completion ection G (x) - DAX Cable Diversion Works (from Part I to Part IV)	5 days <b>758 days</b>	Mon 11/10/21 Fri 4/12/20	Fri 15/10/21 Sat 31/12/22	wis. Work for completion	
Temporary Traffice Arrangement approval Subletting / Fabrication / Delivery	14 days 90 days	Fri 4/12/20 Fri 25/12/20	Thu 17/12/20 Wed 24/3/21		
Area Possession & Clearance Identification of existing cable trench	45 days 7 days	Fri 4/12/20 Mon 18/1/21	Sun 17/1/21 Sun 24/1/21		
Part 1 Re-excavation works incl.construction of joint bay (at Water Reservoir Road)	246 days	Mon 25/1/21	Mon 27/9/21	1 Re-excavation works incl.construction of joint bay (at Water Reservoir R	oad) Part 1 Re-excavation works incl constr
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		Part The Sacavation works not consu
Part 2 Re-excavation works incl. joint bay Part 3 Re-excavation works incl. joint bay	120 days 242 days	Mon 1/11/21 Mon 1/11/21	Mon 28/2/22 Thu 30/6/22		
Part 4 Re-excavation works incl. joint bay & new oil tank pits Backfill & Reinstatement Part 1	92 days 61 days	Sat 1/10/22 Mon 1/11/21	Sat 31/12/22 Fri 31/12/21		
Backfill & Reinstatement Part 2 Backfill & Reinstatement Part 3	61 days 61 days	Sun 1/5/22 Thu 1/9/22	Thu 30/6/22 Mon 31/10/22		
ction H - All remaining works shall be completed for reporting completion to BD and ready for OP	775 days	Wed 17/11/21	Sun 31/12/23	17 Nov	21 Sec.K3
spection (PS1.4.4) Deferred works (MSB & HRSG) Listed in PS 1.4.4	272 days	Wed 17/11/21	Mon 15/8/22	17 Nov	
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	Fri 7/1/22		١٠٠٠٠
Construction of walls oft.12 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	92 days	Mon 16/5/22	Mon 15/8/22		
Contractors to use the hoisting we	21 days	Man Sision	Sun 26/6/22	-	
Provision in associated with hoisting well Construction of internal partition wall at 1/F ofL12 MSB along GL 12-C from GL 12-2 to 12-3 AND North Façade at	21 days 30 days	Mon 6/6/22 Sat 16/4/22	Sun 26/6/22 Sun 15/5/22		
1/F of L12 MSB along GL 12-1 from GL 12-B to 12-C Construction of metal fence and the associated Fire Services (F.S.) installations and installation of removable	92 days	Mon 16/5/22	Mon 15/8/22		
shelter at Transformer Area  Deferred works (DAX1 and DAX2 ) Listed in PS 1.4.4	334 days	Wed 1/2/23	Sun 31/12/23	•	
Backfilling of whole DAXI compartment inside existing joint bay "STJI2" and the new oil tank pit A located aside existing joint bay "STJI2".	59 days	Wed 1/2/23	Fri 31/3/23		
Backfilling of whole DAX2 compartment inside existing joint bay "STJI2".  Backfilling of whole DAX2 compartment inside existing joint bay "STJI2".	61 days	Tue 1/8/23 Wed 1/11/23	Sat 30/9/23 Sun 31/12/23		
existing joint bay "STJI2".	61 days	Wed 1/11/23	Sun 31/12/23	<b>.</b>	
Deferred works (External Work) Listed in PS 1.4.4 Final reinstatement of access roads and pavement surrounding and within L12 MSB and L12 HRSG area	<b>121 days</b> 62 days	Thu 1/12/22 Thu 1/12/22	Fri 31/3/23 Tue 31/1/23	7	
Installation of trench cover and road reinstatement of gas pipe and cable trenches within Area F5, F14, F16, F17	90 days	Sun 1/1/23	Fri 31/3/23		
and F18.  Backfilling and road-reinstatement of 275kV cable trenches	90 days	Sun 1/1/23	Fri 31/3/23		
All Remaining work ready for OP inspection	0 days	Tue 28/2/23	Tue 28/2/23		
ATUTORY SUBMISSION, INSPECTION & APPROVAL  SD Statutory Submission, Inspection and Approval WWO Part I to III Submission / Approval	560 days 256 days	Tue 16/11/21 Tue 16/11/21	Mon 29/5/23 Fri 29/7/22	16 Nov '2	•
WSD : Submit to WSD Form WWO 046 Part I to II - FOR ACB Building (for Ext Works at later stage) WSD: Vetting Form WWO 046 Part I and II Submission	0 days 90 days	Tue 16/11/21 Wed 17/11/21	Tue 16/11/21 Mon 14/2/22		WSD : Submit to WSD Form WWO 046 Part I to II - FOR ACB Bui
WSD: Issued of Form WWO 046 Part III by WSD - FOR ACB Building WSD: Prepare for 1st Amendment for Plumbing Plan	0 days	Tue 15/2/22	Tue 15/2/22 Fri 15/4/22		
WSD: Submit to WSD 1st Amendment for Plumbing Plan	60 days 0 days	Tue 15/2/22 Fri 15/4/22	Fri 15/4/22		
WSD: Vetting of Plumbing Plan by WSD WSD: 1st Approval for Plumbing Plan by WSD	60 days 0 days	Sat 16/4/22 Tue 14/6/22	Tue 14/6/22 Tue 14/6/22		
WSD: Prepare and Submit for Final Amendment for Plumbing Plan WSD: Vetting and Final Approval for Plumbing Plan by WSD	45 days 0 days	Wed 15/6/22 Fri 29/7/22	Fri 29/7/22 Fri 29/7/22		
SD Statutory Submission, Inspection and Approval WWO Part IV to V Fire Services Water Submission /	33 days	Fri 29/7/22	Wed 31/8/22		
WSD: Form WWO 046 Part IV Submission (FS) WSD: WSD Recieved Form WWO046 Part IV and arrange for inspection (FS)	0 days 7 days	Fri 29/7/22 Sat 30/7/22	Fri 29/7/22 Fri 5/8/22		
WSD: WSD Inspection (FS)	7 days	Sat 6/8/22	Fri 12/8/22		
WSD: WWO 046 Part V Endorsement by WSD (FS) WSD: WSD Processing Water Supply Connection Certificate (FS)	12 days 7 days	Sat 13/8/22 Thu 25/8/22	Wed 24/8/22 Wed 31/8/22		
WSD: Issue by WSD Water Supply Connection Certificate (FS)  (SD Statutory Submission, Inspection and Approval WWO Part IV to V Potable /Flush Water Submission /	0 days? 60 days	Wed 31/8/22 Fri 19/8/22	Wed 31/8/22 Tue 18/10/22		
pproval WSD: Form WWO 046 Part IV Submission (Fresh/Flush)	0 days	Fri 19/8/22	Fri 19/8/22		
WSD: WSD Acknowledge Form WWO 046 WSD: WSD Inspection with Testing to lead (Fresh/Fluhs)	6 days 12 days	Sat 20/8/22 Fri 26/8/22	Thu 25/8/22 Tue 6/9/22		
WSD: Cleansing/Disinfecting Water Tanks / Piping System (Fresh/Flush)	6 days	Wed 7/9/22	Mon 12/9/22		
WSD: Collection of Sample for Testing at Accredited Lab (Fresh/Flush)  WSD: Accredited Lab Testing Report of Sample to WSD	12 days 12 days	Tue 13/9/22 Sun 25/9/22	Sat 24/9/22 Thu 6/10/22		
WSD: Vetting of Test Report by WSD WSD: Issue of WWO 046 Part V (Fresh/Flush)	6 days 0 days	Fri 7/10/22 Wed 12/10/22	Wed 12/10/22 Wed 12/10/22		
WSD: WSD Processing WW01005 Water Certification (Fresh/Flush) WSD: Issue by WSD WWO 1005 Water Certification (Fresh/Flush)	6 days 0 days	Thu 13/10/22 Tue 18/10/22	Tue 18/10/22 Tue 18/10/22	_	
ISD LIFT Statutory Submission, Inspection and Approval  EMSD: Submission of Lift Form LE5 to EMSD	45 days 12 days	Sat 26/3/22 Sat 26/3/22	Mon 9/5/22 Wed 6/4/22		
EMSD: EMSD Makes arrangement for Lift Installation	5 days	Thu 7/4/22	Mon 11/4/22		
EMSD: EMSD Inspection to Lift Installation EMSD: Processing Lift Certificate (Form LE6)	14 days 14 days	Tue 12/4/22 Tue 26/4/22	Mon 25/4/22 Mon 9/5/22		
EMSD: Lift Issuance of Form 6 (Lift Certificate)  E Transformer Final Inspection	0 days 120 days	Mon 9/5/22 Thu 30/6/22	Mon 9/5/22 Thu 27/10/22		
TX Room: Invite HKE For Transformer Room Inspection TX Room: Give Access to Transformer Room for HKE Contractor	7 days 0 days	Thu 30/6/22 Wed 6/7/22	Wed 6/7/22 Wed 6/7/22		
TX Room: Move-IN HKE Transformer Equipments	5 days	Thu 7/7/22	Mon 11/7/22		
TX Room: Install HKE Transformer, MEP Works & Testing TX Room: HKE Power Energization / Inspection	90 days 6 days	Tue 12/7/22 Mon 10/10/22	Sun 9/10/22 Sat 15/10/22		
TX Room: Metering Installation TX Room: HKE Power-ON Date	12 days 0 days	Sun 16/10/22 Thu 27/10/22	Thu 27/10/22 Thu 27/10/22		
ID Drainage Completion Memo DSD: CCTV Survey Report on Completed Drainage	65 days 30 days	Sun 2/10/22 Sun 2/10/22	Mon 5/12/22 Mon 31/10/22		
DSD: Submitted CCTV Report & Form HPB1 of Completed Drainage to DSD For Technical Audit DSD: Completed Drainage System including TMC Inspection/Technical Audit by DSD	7 days 14 days	Tue 1/11/22 Tue 8/11/22	Mon 7/11/22 Mon 21/11/22		
DSD: Preparation of Drainage Connection Completion Memo by DSD	14 days	Tue 22/11/22	Mon 5/12/22		
DSD: Issue of Drainage Connection Completion Memo by DSD  D Submission, Inspection and Approval	0 days 60 days	Mon 5/12/22 Thu 30/6/22	Mon 5/12/22 Mon 29/8/22		
EPD: License Application to EPD under APCO (Cap 311) for Generator Sets EPD: Vetting of Application by EPD under APCO (Cap 311) for Generator Sets	0 days 60 days	Thu 30/6/22 Fri 1/7/22	Thu 30/6/22 Mon 29/8/22	-	
EPD: Approval from EPD under APCO (Cap 311) for Generator Sets Installation  D VAC Statutory Submission, Inspection and Approval	0 days 150 days	Mon 29/8/22 Wed 20/7/22	Mon 29/8/22 Fri 16/12/22		
Treparation of FSD VAC Drawings and Submission to HEC  HEC: Review and Approval	60 days	Wed 20/7/22 Wed 20/7/22 Sun 18/9/22	Sat 17/9/22 Mon 17/10/22		
Preparation of VAC Drawings and Submission to FSD	30 days 30 days	Tue 18/10/22	Wed 16/11/22		
SD: Review and Approval  D Statutory Submission, Inspection and Approval	30 days 91 days	Thu 17/11/22 Tue 28/2/23	Fri 16/12/22 Mon 29/5/23		
Festing and Commissioning (Individual System - FSI Related) FSD: All Sections FS Ingration Test by NSC_BS	45 days 15 days	Tue 28/2/23 Fri 14/4/23	Thu 13/4/23 Fri 28/4/23		
SD: Completion of FS Integration Test by NSC_BS for FS314/501 SD: Submit Form 213/314 & Form 501 Request for Inspection	0 days 0 days	Fri 28/4/23 Fri 28/4/23	Fri 28/4/23 Fri 28/4/23	_	
SD: FSD Makes Arrangement for Inspection  SD: FSD Inspection	7 days 12 days	Sat 29/4/23 Sat 6/5/23	Fri 5/5/23 Wed 17/5/23		
SD: Completion of FS Inspection	0 days	Wed 17/5/23	Wed 17/5/23		
SD: FSD Processing FS Certicate Form 172 SD: Issue of Fire Services FS Certificate Form 172	12 days 0 days	Thu 18/5/23 Mon 29/5/23	Mon 29/5/23 Mon 29/5/23		
CTICAL COMPLETION Inspection	216 days 97 days	Tue 30/5/23 Tue 30/5/23	Sun 31/12/23 Sun 3/9/23		
BD: Application Form BA13 for OP Application	21 days	Tue 30/5/23	Mon 19/6/23		
BD: BD Inspection Date BD: Reinspection date with defects and rectification works	15 days 60 days	Tue 20/6/23 Wed 5/7/23	Tue 4/7/23 Sat 2/9/23		
BD: Obtain Occupation Permit (OP) from BD  -Built Drawings & Handover Documentation	1 day 120 days	Sun 3/9/23 Wed 14/6/23	Sun 3/9/23 Wed 11/10/23		
Point Drawings & Handover Documentation  Prepare and Submit As-Built Drawings & Handover Documentation  Review and Approval	45 days 45 days	Wed 14/6/23 Wed 14/6/23 Sat 29/7/23	Fri 28/7/23 Mon 11/9/23		
As-Built Drawings & Handover Documentation - Revision by MC	30 days	Tue 12/9/23	Wed 11/10/23		
Revised As-Built Drawings & Handover Documentation - Final Submission  ompletion of the Whole Contract Works	0 days 119 days	Wed 11/10/23 Mon 4/9/23	Wed 11/10/23 Sun 31/12/23		
1st Client Inspection for Review and Comments Defects and Rectification works	30 days 60 days	Mon 4/9/23 Wed 4/10/23	Tue 3/10/23 Sat 2/12/23		
	14 days	Sun 3/12/23	Sat 16/12/23		
2nd Client Inspection Minor Defects Rectification Works and Final Inspection	15 days	Sun 17/12/23	Sun 31/12/23		

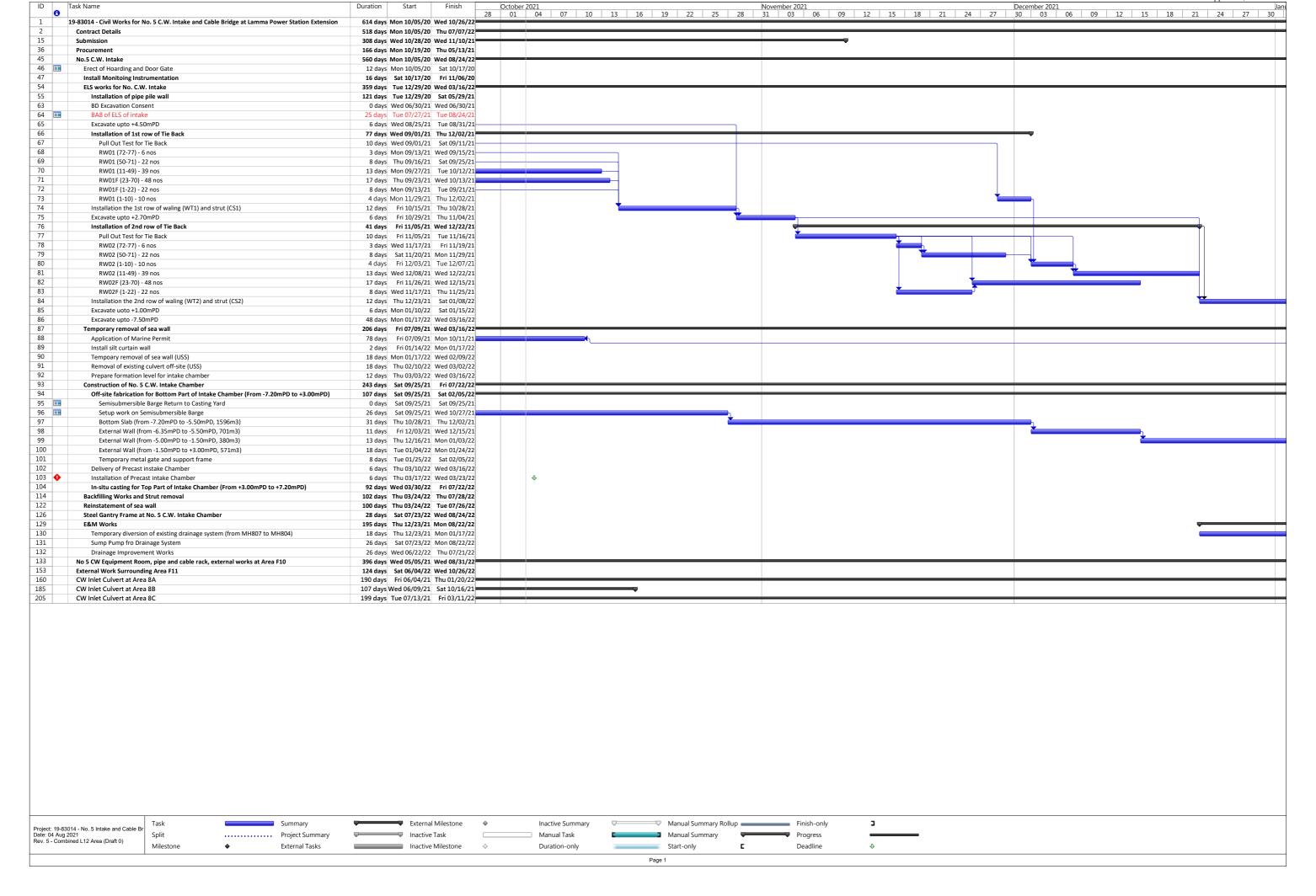
PaulY

MASTER PROGRAMME Rev 1-B 23 Aug 2021

Task Split ..... Milestone ♦

Summary -

Appendix J



Appendix J Task Name Duration Start October 2021 01 04 
 November 2021

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 Finish 06 09 12 15 18 21 24 27 19-83014 - Civil Works for No. 5 C.W. Intake and Cable Bridge at Lamma Power Station Extension 518 days Mon 10/05/20 Thu 07/07/22 518 days Mon 10/05/20 Thu 07/07/22 **Contract Details** Submission 308 days Wed 10/28/20 Wed 11/10/21 166 days Mon 10/19/20 Thu 05/13/21 Procurement Cable Bridge 442 days Wed 11/11/20 Fri 05/13/22 46 | | | | Erect of Hoarding and Door Gate 12 days Wed 11/11/20 Tue 11/24/20 47 Install Monitoing Instrumentation 2 days Wed 11/25/20 Thu 11/26/20 54 Pile Cap Construction 196 days Wed 12/30/20 Sat 08/28/21 55 LPS Pile Cap (PC5) 80 days Thu 01/21/21 Mon 05/03/21 60 LMX Pile Cap (PC6) 196 days Wed 12/30/20 Sat 08/28/21 71 Exisitng Seawall modification works (USS) 26 days Mon 08/23/21 Tue 09/21/21 72 Construction of Cable Bridge 326 days Wed 04/07/21 Fri 05/13/22 73 Off-site precast beam construction (PCB1-PCB12) 142 days Wed 04/07/21 Fri 09/24/21 74 Type 2 (PCB6 - PCB12) 88 days Wed 04/07/21 Thu 07/22/21 82 60 days Fri 07/16/21 Fri 09/24/21 Type 1 (PCB1 - PCB5) 83 16 days Fri 07/16/21 Tue 08/03/21 PCB5 84 PCB4 16 days Wed 07/28/21 Sat 08/14/21 85 PCB3 16 days Mon 08/09/21 Thu 08/26/21 86 PCB2 16 days Fri 08/20/21 Tue 09/07/21 87 20 days Wed 09/01/21 Fri 09/24/21 PCB1 88 Application of Marine Permit 78 days Tue 06/22/21 Thu 09/23/21 Erect precast beam (PCB1-PCB12) 89 16 days Thu 09/23/21 Tue 10/12/21 90 Construction of Diaphragm Beams (DB7-DB11) 36 days Wed 10/13/21 Wed 11/24/21 Stage 2 PT Stressing 6 days Thu 12/02/21 Wed 12/08/21 Constrcution of 200mm thk R.C. Middle Slab 36 days Thu 12/09/21 Sat 01/22/22 Installation of Precast Panel (for planter and kerb) 52 days Mon 01/24/22 Mon 03/28/22 Casting of 250mm thk. R.C. Top Slab 18 days Tue 03/08/22 Mon 03/28/22 95 Road paving work 24 days Mon 04/11/22 Fri 05/13/22 96 Installation of steel parapet 24 days Mon 04/11/22 Fri 05/13/22 97 Construction of Abutment at LPS 114 days Thu 12/09/21 Tue 05/03/22 98 Construction of Shear Key NSK2 12 days Thu 12/09/21 Wed 12/22/21 99 Construction of End Beam EB1 40 days Thu 12/23/21 Mon 02/14/22 100 Construction of Shear Kev NSK1 18 days Tue 02/15/22 Mon 03/07/22 18 days Tue 03/08/22 Mon 03/28/22 Construction of Abutment Wall AW2 101 Construction of Retaining Wall (Type 1, RWA & RWB) 26 days Tue 03/29/22 Tue 05/03/22 102 103 Construction of Retaining Wall (Type 2, RWA & RWB) 26 days Tue 03/29/22 Tue 05/03/22 104 Construction of Abutment at LMX 110 days Thu 12/09/21 Wed 04/27/22 105 Construction of Shear Key SSK1 12 days Thu 12/09/21 Wed 12/22/21 106 Construction of End Beam EB2 26 days Thu 12/23/21 Tue 01/25/22 18 days Wed 01/26/22 Fri 02/18/22 Construction of maintenance chamfer Construciton of Abutment Wall AW1 18 days Sat 02/19/22 Fri 03/11/22 109 Construction of late cast portion of pile cap PC6 18 days Sat 03/12/22 Fri 04/01/22 18 days Sat 04/02/22 Wed 04/27/22 110 Cast mass concrete retaining wall and planter end wall Stormwater Drainage 32 days Tue 03/29/22 Wed 05/11/22 111 113 32 days Tue 03/29/22 Wed 05/11/22



#### Monthly Waste Flow Table for Sep 2021

Lamma Power Station Extension - Civil and Building Works for Unit L11

Contractor: Paul Y. Construction Company, Limited

Ben Lam Record by:

Year of Record: 2018, 2019, 2020 & 2021

MM.YYYY		Ac	tual Quanti	ities of Inert	C&D Materia	ls Generated	Monthly		Actual O	uantities of N	Non-inert C&I	D Materials	Generated	Monthly
	Exc	avated Mate				-excavated Ma								,
	Disposed in Public Fill	Disposed in Sorting Facilities	Others (e.g Reused in the Contract / Other Projects)	Broken Concrete or Construction Waste Collected by Recycled Company	Reused in the Contract	Reused in other Projects	Disposed in Public Fill	Disposed in Sorting Facilities	Metals (steel bar / metal strip) (1)	Metals (aluminum can) (†)	Paper / cardboard packaging (t)	Plastics	Chemical waste (wasted lubricant oil/oil container)	Other, e.g. general refuse
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000L)	(in '000kg)
Jul 2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug 2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 2018	3160.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oct 2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nov 2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.87
Dec 2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.67
Jan 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.66	0.00	0.00	0.00	0.60	0.00
Mar 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.05	0.00	0.00	0.00	0.00	0.00
Apr 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.08	0.00	0.00	0.00	0.00	19.09
May 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.63	0.00	0.00	0.00	0.00	59.75
Jun 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.64
Jul 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66
Aug 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.31
Oct 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.109	0.00	0.00	4.76
Nov 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	4.87
Dec 2019	0.00	0.00	0.00	0.00	0.00	10226.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.19
Jan 2020	0.00	0.00	0.00	0.00	0.00	7981.09	0.00	0.00	0.00	0.00	0.157	0.00	0.00	26.89
Feb 2020	0.00	0.00	0.00	0.00	0.00	8782.98	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00
Mar 2020	0.00	0.00	0.00	0.00	0.00	20252.12	0.00	0.00	0.00	0.00	0.000	0.00	0.00	78.96
Apr 2020	0.00	0.00	0.00	0.00	0.00	12976.86	0.00	0.00	8.30	0.00	0.000	0.00	0.00	68.75
May 2020	0.00	0.00	0.00	0.00	0.00	20203.01	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00
Jun 2020	0.00	0.00	0.00	0.00	0.00	28030.33	0.00	0.00	0.00	0.00	0.000	0.00	0.00	58.49
Jul 2020	0.00	0.00	0.00	0.00	0.00	12481.37	0.00	0.00	0.00	0.00	0.000	0.00	0.00	33.88
Aug 2020	0.00	0.00	0.00	0.00	0.00	11179.56	0.00	0.00	0.00	0.00	0.000	0.00	0.60	73.73
Sep 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.53	0.00	0.286	0.00	0.00	64.93
Oct 2020	0.00	0.00	0.00	0.00	0.00	10762.20	0.00	0.00	7.12	0.00	0.297	0.00	0.00	83.34
Nov 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.46	0.00	0.000	0.00	0.20	61.21
Dec 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	59.98
Jan 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	51.37
Feb 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	44.94
Mar 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	34.57
Apr 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	30.92
May 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	18.65
Jun 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	10.76
Jul 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00
Aug 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	24.19
Sep 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	14.90
Total	3160.23	0.00	0.00	0.00	0.00	142875.75	0.00	0.00	74.83	0.00	0.849	0.00	2.00	1011.27

Total Inert C&D Waste Materials		Non-inert C&D Materials	s
Generated	C&D Materials Recycled	C&D Waste Disposed of at Landfill	Chemical Waste
146035.98 tonnes	75.68 tonnes	1011.27 tonnes	2000 Liters

Where (A) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil. In total, 146035.98 nones of were generated from the Project, of which 142075.75 fornose were reused in this and other contracts, and the remaining 3160.23 tones were disposed as public fill for III Blank's Sorting Facilities. \_146035.98\_tonnes of inert C&D material

- (b) Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.
- 0 kg of plastics were sent to recyclers (c) 0 kg of metals, 0 kg of papers/ cardboard packing and for recycling during the reporting period.
- (d) Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at Landfill.

(1) metal, paper & plastic were collected by recycler
(2) The performance target of waste recycling are specified in the Contract. Notes:

- (3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.
- (5) Broken concrete for recycling into aggregates.
   (6) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.

#### Appendix K

Monthly Waste Flow Table for September 2021

Project: LAMMA POWER STATION EXTENSION – Unit 11 Complete Erection, Inspection, Testing & Commissioning of Power Block Facilities

Contractor: Taihei Dengyo Kaisha, Ltd.

Record by: Stephen Sin

Year of Record: 2019, 2020, 2021

MM.YYYY		Actua	Quantities	of Inert C&D	Materials G	Senerated M	lonthly		Actual Q	uantities of	Non-inert Ca	&D Materials	s Generated	Monthly
	Exc	avated Mate	rials		Non-e	xcavated Ma	aterials							
	Disposed in Public Fill	Disposed in Sorting Facilities	Others (e.g Reused in the Contract / Other Projects)	Broken Concrete or Construction Waste Collected by Recycled Company	Reused in the Contract	Reused in other Projects	Disposed in Public Fill	Disposed in Sorting Facilities	Metals (steel bar / metal strip) (1)	Metals (aluminum can) (1)	Paper / cardboard packaging (1)	Plastics (1) & (4)	Chemical waste (wasted lubricant oil/oil container)	Other, e.g. general refuse
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in L)	(in '000kg)
Nov 2019	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dec 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35
Apr 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.61
May 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.39
Jun 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.03
Jul 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.32
Aug 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2600	10.38
Sep 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20
Oct 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.02
Nov 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2400	26.18
Dec 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.38
Jan 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.65
Feb 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.40
Mar 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.43
Apr 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2400	20.24
May 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	14.08
Jun 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	17.43
Jul 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	20.38
Aug 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	22.38
Sep 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.43	0.00	0.00	0.00	0.00	0	19.26
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.43	0.00	0.00	0.00	0.00	7400	294.11

Total Inert C&D Waste Materials	Non-inert C&D Materials							
Generated	C&D Materials Recycled	C&D Waste Disposed of at Landfill	Chemical Waste					
5.43 tonnes	0.00 tonnes	7400 Liters						

		were generated from the Project, of which 0 tonnes were reused in this and other contracts, and the remaining
		5.43 tonnes were disposed in Public Fill and Sorting Facilities.
	(b)	Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse.
		Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.
	(c)	0 kg of metals, 0 kg of papers/ cardboard packing and 0 kg of plastics were sent to recyclers
		for recycling during the reporting period.
	(d)	Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at Landfill.
lotes:		(1) metal, paper & plastic were collected by recycler
		(2) The performance target of waste recycling are specified in the Contractt.
		(3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
		(4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.
		(5) Broken concrete for recycling into aggregates.
		(6) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.

Appendix K

#### Monthly Waste Flow Table for Sep 2021

Project: Lamma Power Station Extension Civil and Building Works for Unit L12

Paul Y. Construction Company, Limited Contractor:

Record by: Ben Lam Year of Record: 2020 & 2021

MM.YYYY		Ac	ctual Quant	ities of Inert	C&D Materia	ls Generated I	Monthly		Actual C	uantities of N	Von-inert C&I	D Materials	Generated	Monthly
1	Exc	avated Mate	erials	/	Non	-excavated Ma	aterials							
	Disposed in Public Fill	Disposed in Sorting Facilities	Others (e.g Reused in the Contract / Other Projects)	Construction	Reused in the Contract	Reused in other Projects	Disposed in Public Fill	Disposed in Sorting Facilities	Metals (steel bar / metal strip) (1)	Metals (aluminum can) <sup>(1)</sup>	Paper / cardboard packaging (1)	Plastics	Chemical waste (wasted lubricant oil/oil container)	Other, e.g. general refuse
1	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000L)	(in '000kg)
Dec 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 2021	0.00	0.00	21020.16	0.00	0.00	0.00	0.00	0.00	8.82	0.00	0.00	0.00	0.00	0.00
Feb 2021	0.00	0.00	18083.97	0.00	0.00	0.00	0.00	0.00	18.25	0.00	0.25	0.00	0.00	0.00
Mar 2021	0.00	0.00	9048.21	0.00	0.00	0.00	0.00	0.00	7.69	0.00	0.00	0.00	0.00	2.61
Apr 2021	0.00	0.00	3205.15	0.00	0.00	0.00	0.00	0.00	28.08	0.00	0.00	0.00	0.00	14.45
May 2021	0.00	0.00	6267.49	0.00	0.00	0.00	0.00	0.00	34.68	0.00	0.00	0.00	0.00	0.00
Jun 2021	0.00	0.00	6555.38	0.00	0.00	0.00	0.00	0.00	26.87	0.00	0.00	0.00	0.00	25.03
Jul 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.95	0.00	0.00	0.00	0.00	10.97
Aug 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.55	0.00	0.00	0.00	0.00	3.49
Sep 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	49.15
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<b></b>	+'	+	<del>                                     </del>	<del> </del> '	<b>_</b>	<del> </del>		<b>-</b>	-	<b></b>				
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	† *		<b>†</b>	†	†	<del>                                     </del>	<b> </b>		1					<del>                                     </del>
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Total	0.00	0.00	64180.35	0.00	0.00	0.00	0.00	0.00	155.89	0.00	0.25	0.00	0.40	105.70

Total Inert C&D Waste Materials	Non-inert C&D Materials					
Generated	C&D Materials Recycled C&D Waste Disposed of at Landfill		Chemical Waste			
64180.35 tonnes	156.14 tonnes	105.70 tonnes	400 Liters			

Where	(A)	Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil. In total, 64180.35 tonnes of inert C&D materials were generated from the Project, of which 0.00 tonnes were reused in this and other contracts, and the remaining tonnes were disposed as public fill to Fill Banks / Sorting Facilities.									
	(b)	(b) Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse.  Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.									
	(c	0 kg of metals, 0 kg of papers/ cardboard packing and 0 kg of plastics were sent to recyclers for recycling during the reporting period.									
	(d	Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at Landfill.									
ites:		(1) metal, paper & plastic were collected by recycler (2) The performance target of wester recycling are executing in the Contract									

- - (2) The performance target of waste recycling are specified in the Contract.
     (3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
     (4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.

  - (4) I issues teril in plastic softice containing plastic point in the plastic plastic form of the control of th

#### Monthly Waste Flow Table for Sep 2021

Project: Civil Works for No. 5 C.W. Intake and Cable Bridge at Lamma Power Station Extension

Paul Y. Construction Company, Limited Contractor:

Record by: Ben Lam Year of Record: 2020 & 2021

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IVIIVI. Y Y Y Y				ities of Inert (		s Generated I	,	-	Actual Q	uantities of N	Non-inert C&I	) Materials	Generated	Monthly
	Exc	Excavated Materials			Non-excavated Materials									
	Disposed in Public Fill	Disposed in Sorting Facilities	Others (e.g Reused in the Contract / Other Projects)	Broken Concrete or Construction Waste Collected by Recycled Company	Contract	Reused in other Projects	Disposed in Public Fill	Disposed in Sorting Facilities	Metals (steel bar / metal strip) (1)	Metals (aluminum can) <sup>(1)</sup>	Paper / cardboard packaging <sup>(1)</sup>	Plastics	Chemical waste (wasted lubricant oil/oil container)	Other, e.g. general refuse
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000L)	(in '000kg)
Oct 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nov 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.21	0.00	0.00	0.00	0.00	0.00
Jan 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.49
Apr 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	4.85
May 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.61
Jun 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jul 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.84
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<u> </u>	0.00	2.00	0.00	0.00	0.00	2.22	0.00	0.00	4.04	0.00	0.00	0.00	0.00	70.70
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.21	0.00	0.00	0.00	0.60	72.79

Total Inert C&D Waste Mat	terials	Non-inert C&D Materials					
Generated		C&D Materials Recycled	C&D Waste Disposed of at Landfill	Chemical Waste			
0.00 ton	nnes	4.21 tonnes	72.79 tonnes	600 Liters			

Where	(A)	Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil. In total, 0.00 tonnes of inert C&D mater								
		were generated from the Project, of which 0.00 tonnes were reused in this and other contracts, and the remaining tonnes were disposed as public fill to Fill Banks / Sorting Facilities.								
	(b)	Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse.								
		Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.								
	/-	0 kg of metals, 0 kg of papers/ cardboard packing and 0 kg of plastics were sent to recyclers								
	(c	) 0 kg of metals, 0 kg of papers/ cardboard packing and 0 kg of plastics were sent to recyclers for recycling during the reporting period.								
		for recycling during the reporting period.								
	(d	Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at Landfill.								
	(0	,								
ites:		(1) metal, paper & plastic were collected by recycler								

- - (2) The performance target of waste recycling are specified in the Contract.
    (3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
  - (4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.

  - (5) Broken concrete for recycling into aggregates.
    (6) Disposal of inert waste to public fill or sorting facilities will <u>NOT</u> be considered as recycled waste.