環境保護署

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 Monthly EM&A Report No.58



吉寶西格斯-振華聯營公司 KEPPEL SEGHERS - ZHEN HUA JOINT VENTURE

## Monthly EM&A Report No.58 (Period from 1 April to 30 April 2023)

(Clause 3.3, Further Environmental Permit FEP-01/429/2012/A)

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### **Document No.**

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Date:	11 May 2023	11 May 2023	11 May 2023

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## **Revision History**

Rev.	<b>DESCRIPTION OF MODIFICATION</b>	DATE
A	First Submission	12 May 2023

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### **EXECUTIVE SUMMARY**

#### **Introduction**

- A1. The Project, Integrated Waste Management Facility (IWMF), is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO) and is currently governed by a Further Environmental Permit (FEP No. FEP-01/429/2012/A) for the construction and operation of the Project.
- A2. In accordance with the Updated Environmental Monitoring and Audit (EM&A) Manual for the Project, EM&A works for marine water quality, noise, waste management and ecology should be carried out by Environmental Team (ET), Acuity Sustainability Consulting Limited (ASCL), during the construction phase of the Project.
- A3. This is the 58<sup>th</sup> Monthly EM&A Report, prepared by ASCL, for the Project summarizing the monitoring results and audit findings of the EM&A programme at and around Shek Kwu Chau (SKC) during the reporting period from 1 April to 30 April 2023.

#### Summary of Main Works Undertaken & Key Mitigation Measures Implemented

- A4. Key activities carried out in this reporting period for the Project included the following:
  - Reclamation Area:
    - Installation of Instrumentation
    - Site Investigation works for foundation
    - Foundation works (including Driven H Pile and Socketed H Pile)
    - Pile cap construction
    - Structural steel work
  - Seawall Portion:
    - Caisson extension works, from +3mPD to +6mPD, at Seawall A and B
    - Construction of wave wall along the vertical seawall above +3mPD
- A5. The key environmental mitigation measures implemented for the Project in this reporting period associated with the construction activities include:
  - Reduction of noise from equipment and machinery on-site;
  - Sorting, recycling, storage and disposal of general refuse and construction waste;
  - Management of chemicals and avoidance of oil spillage on-site;
  - Confirmation of the absence of silt content in the rock filling material and the filling work is properly conducted;
  - Dust suppression measures for exposed earth surface and stockpile of dusty material; and
  - Site runoff control measure during rainstorm.

#### Summary of Exceedance & Investigation & Follow-up

- A6. The EM&A works for construction waste, noise monitoring and White-Bellied Sea Eagle (WBSE) were conducted during the reporting period in accordance with the Updated EM&A Manual.
- A7. No exceedance of the Action or Limit Levels in relation to noise, construction waste and WBSE was recorded in the reporting month.
- A8. Weekly site inspections of the construction work by ET were carried out on 04, 11, 18 and 25 April 2023 to audit the mitigation measures implementation status. Monthly joint site inspection was carried out on 18 April 2023 by ET and IEC. Observations were recorded in the site inspection checklists and provided to the contractors together with the appropriate follow-up actions where necessary.

#### **Complaint Handling and Prosecution**

- A9. No project-related environmental complaint was received during the reporting period.
- A10. Neither notifications of summons nor prosecution was received for the Project.

#### **Reporting Change**

A11. There was no change to be reported that may affect the on-going EM&A programme.

#### Summary of Upcoming Key Issues and Key Mitigation Measures

- A12. Key activities anticipated in the next reporting period for the Project will include the following:
  - Reclamation Area:
    - Installation of Instrumentation
    - Site Investigation works for foundation
    - Foundation works (including Driven H Pile and Socketed H Pile)
    - Pile cap construction
    - Structural steel work
  - Seawall Portion:
    - Caisson extension works, from +3mPD to +6mPD, at Seawall A and B
    - Construction of wave wall along the vertical seawall above +3mPD
- A13. The key environmental mitigation measures for the Project in the coming reporting period associated with the construction activities will include:
  - Reduction of noise from equipment and machinery on-site;
  - Sorting, recycling, storage and disposal of general refuse and construction waste;
  - Management of chemicals and avoidance of oil spillage on-site, especially under heavy rains and adverse weather;

- Dust control of exposed soil surface and stockpile of dusty material at reclaimed area;
- Dust suppression measures for exposed earth surface and stockpile of dusty material;
- Site runoff control measure during construction works; and
- Dust and noise control of foundation works.

### **1. BASIC PROJECT INFORMATION**

#### 1.1 Background

- 1.1.1 The Government of Hong Kong SAR will develop the Integrated Waste Management Facilities (IWMF) Phase 1 (hereafter "the Project") with incineration to achieve substantial bulk reduction of unavoidable municipal solid waste (MSW) and to recover energy from the incineration process. The IWMF will be on an artificial island to be formed by reclamation at the south-western coast of Shek Kwu Chau. Keppel Seghers Zhen Hua Joint Venture (KSZHJV) was awarded the contract under Contract No. EP/SP/66/12 Integrated Waste Management Facilities Phase 1 to construct and operate the Project.
- 1.1.2 An environmental impact assessment (EIA) study for the Project has been conducted and the EIA Report was approved under the Environmental Impact Assessment Ordinance on 17 January 2012. An Environmental Permit (EP) (EP No.: EP-429/2012) was granted to EPD on 19 January 2012 for the construction and operation of the Project. Subsequently, the EP was amended (EP No.: EP-429/2012/A) and a further EP (FEP) (EP No.: FEP-01/429/2012/A) was granted to the Keppel Seghers – Zhen Hua Joint Venture (KSZHJV) on 27 December 2017.
- 1.1.3 A further EP (FEP) (EP No.: FEP-02/429/2012/A) on Submarine Cable for the Development of the Project was granted to CLP Power Hong Kong Limited (CLP) on 17 January 2020.
- 1.1.4 The key design and construction elements of the Project include the Design and the Works including but not limited to the design, engineering procurement, construction, testing and commissioning of the Facility including:
  - Ground Treatment works;
  - Seawall and Breakwater construction;
  - Non-dredged Reclamation;
  - Other Marine works and Harbour and Port Facilities;
  - Site formation;
  - Municipal Solid Waste (MSW) Treatment Processes;
  - Energy Recovery for Power Generation and Surplus Electricity export;
  - Wastewater treatment process;
  - Desalination and water treatment process;
  - Civil works;
  - Building and Structural works;
  - Electrical and Mechanical works;
  - Building Services;
  - Architectural and Landscaping works; and
  - All other design and works required for the operation and maintenance of the Facility according to the Contract requirements.

# 1.1.5 The location of the IWMF near Shek Kwu Chau (SKC) and general layout of IWMF are shown in **Figure 1.1** and **Figure 1.2** respectively.

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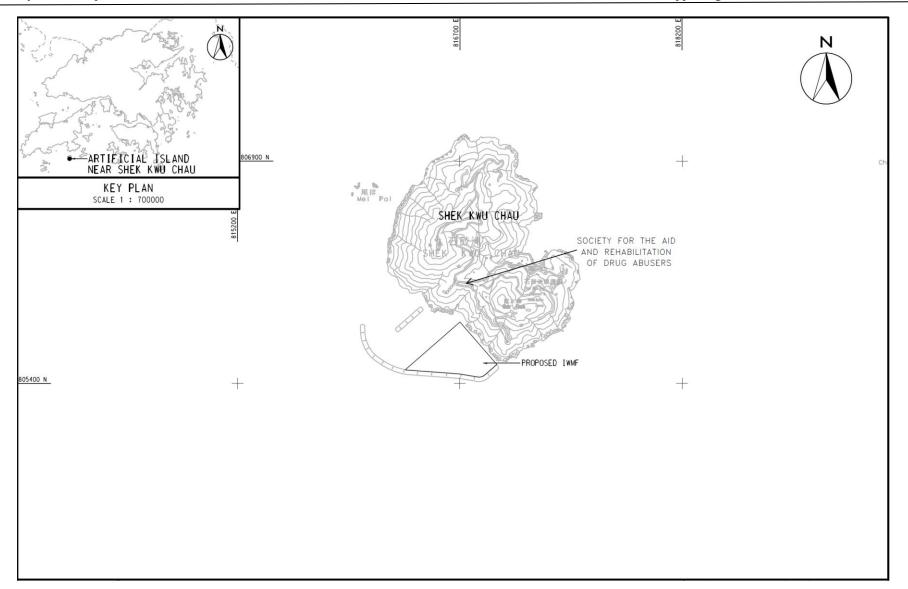


Figure 1.1 Location of the IWMF at the Artificial Island near SKC

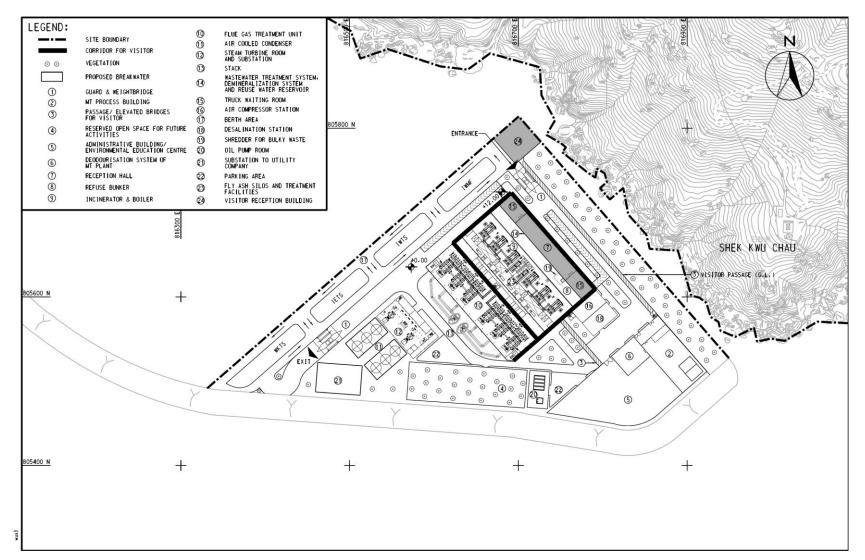
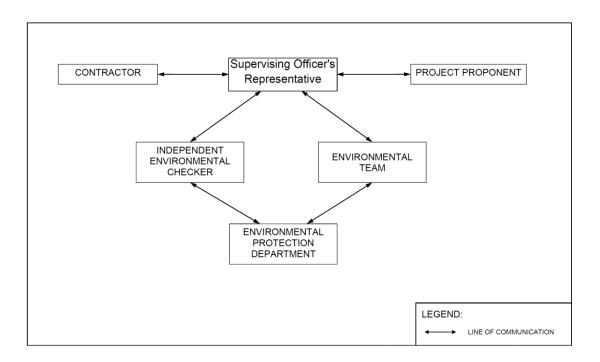


Figure 1.2 General Layout of the IWMF at the Artificial Island near SKC

#### 1.2 The Reporting Scope

- 1.2.1 This is the 58<sup>th</sup> Monthly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 April 2023 to 30 April 2023.
- 1.3 Project Organization
- 1.3.1 The Project Organization structure for Construction Phase is presented in **Figure 1.3**.



**Figure 1.3 Project Organization Chart** 

1.3.2 Contact details of the key personnel are presented in **Table 1.1** below:

**Table 1.1 Contact Details of Key Personnel** 

Party	Position	Name	Telephone no.
Keppel Seghers – Zhen Hua Joint Venture	Project Manager	Peter Chung	2192-0603
Acuity Sustainability Consulting Limited	Environmental Team Leader	F.C. Tsang	2698-6833
ERM-Hong Kong, Limited	Independent Environmental Checker	Mandy To	2271-3000

#### 1.4 Summary of Construction Works

1.4.1 Details of the major construction activities undertaken in this reporting period are shown in **Table 1.2** and **Figure 1.4** below. The construction programme is presented in **Appendix A**.

 Table 1.2 Summary of the Construction Activities Undertaken during the Reporting Month

Location of works	Construction activities undertaken	Remarks on progress
Reclamation area	• Installation of Instrumentation	On-going
	• Site Investigation works for foundation	On-going
	• Foundation works (including Driven H Pile and Socketed H Pile)	• On-going
	• Pile cap construction	• On-going
	• Structural steel work	On-going
Seawall portion	• Caisson extension works, from +3mPD to +6mPD, at Seawall A and B	On-going
	• Construction of wave wall along the vertical seawall above +3mPD	• On-going

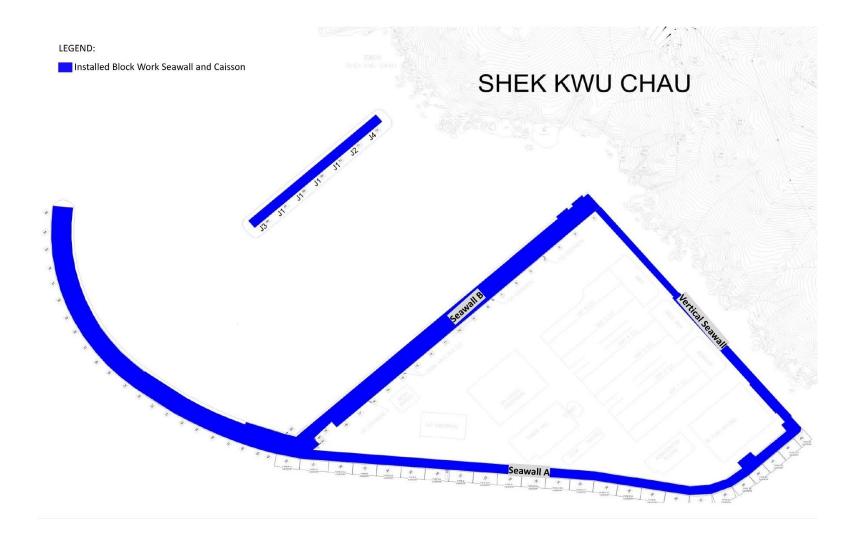


Figure 1.4 Location of Major Construction Activities Undertaken during the Reporting Month

#### 1.5 Summary of Environmental Status

1.5.1 A summary of the valid permits, licences, and /or notifications on environmental protection for this Project is presented in **Table 1.3** 

## Table 1.3 Summary of the Status of Valid Environmental Licence, Notification, Permit and Documentations

Permit/ Licences/	Reference	Validity	Remarks
Notification		Period	
Variation of	EP-429/2012/A	Throughout	
<b>Environmental Permit</b>		the Contract	
Further	FEP-01/429/2012/A	Throughout	
<b>Environmental Permit</b>		the Contract	
Notification of	Ref No.: 428778	15/12/2017 -	
Construction Works		22/09/2024	
under the Air			
Pollution Control			
(Construction Dust)			
Regulation (Form			
NA)			
Wastewater Discharge	WT00039438-2021	15/02/2022 -	
Licence		28/02/2027	
Chemical Waste	WPN0017-933-K3301-	Throughout	
Producer Registration	01	the Contract	
	WPN5213-961-K3301-	Throughout	
	02	the Contract	
	WPN5296-839-K3301-	Throughout	
	03	the Contract	
Construction Noise	GW-RS0152-23	27/02/2023-	Portion 1, 1A & 1B
Permit (24 hours)		26/08/2023	
Construction Noise	PP-RS0019-22	07/11/2022-	Portion 1
Permit (Percussive		05/05/2023	
piling)			
Billing Account for	A/C No.:7029768	Throughout	
Disposal of		the Contract	
Construction Waste			

1.5.2 The status for all environmental aspects is presented in **Table 1.4**.

Donomotore	Status	
Parameters Water Orality	Status	
Water Quality		
Baseline Monitoring under Updated EM&A Manual and Detailed Plan on DCM	The baseline water quality monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4	
Impact Monitoring	no marine construction work will be carried out from March to December 2023 tentatively. An updated EM&A arrangement to propose the temporary suspension of water quality and line- transect monitoring from March to December 2023 was submitted to EPD on 21 March 2023. EPD advised no comment on the updated EM&A arrangement on 29 March 2023. The water quality and line-transect monitoring were then temporarily suspended from 30 March 2023 onward. A two- week advance notice will be made by the Contractor prior to resumption of marine construction works. The water quality monitoring and line-transection monitoring will be resumed upon the resumption of marine construction works. ET will notify the resumption of marine construction works with updated EM&A schedule within one day after receiving the notification from contractor	
Post DCM Monitoring	All DCM was completed on 14 October 2020, regular DCM monitoring for further 4 weeks (i.e form 16 October 2020 to 14 November 2020) was completed according to the approved Detailed Plan on Deep Cement Mixing	
Initial Intensive DCM Monitoring	Conducted from 11 February 2019 to 10 March 2019, had not been resumed since there was no DCM related parameter exceeding the AL/LL.	
Baseline Water Quality of wet season	Completed over 13 August 2018 to 7 September 2018	
Noise		
Baseline Monitoring	The baseline noise monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4	
Impact Monitoring	On-going	
Waste Management		
Mitigation Measures in Waste Monitoring Plan	On-going	
Coral		
Pre-translocation Survey and Coral Mapping	The Coral Translocation Plan was submitted and approved by EPD under EP Condition 2.12	
Coral Translocation	Completed on 28 March 2018	
Post-Translocation Coral Monitoring	Survey affected by missing of translocated and tagged coral colonies after typhoons in September 2018, completed on 28 March 2019.	
Pre-construction Coral Survey and Tagging	Completed on 26 June 2018	
Tagged Coral Monitoring	Survey obstructed due to missing of tagged coral colonies after typhoons in September 2018	
Coral Survey and Re-	Re-tagging at Indirect Impact Site was conducted on 23	

# Table 1.4 Summary of Status for Key Environmental Aspects under the Updated EM&A Manual

Parameters	Status
tagging	November and Re-tagging at Control Site was conducted on 3 December 2018.
Post Re-tagging Coral	On-going
Monitoring	
Marine Mammal	
Vessel-based Line-transect Survey Baseline Monitoring	The baseline marine mammal monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4
Vessel-based Line-transect Survey Impact Monitoring	Temporarily suspended since 30 March 2023, as no marine construction works as defined in the approved EIA report (AEIAR-163/2012) and the Updated EM&A Manual was conducted in this reporting month.
Land-based Theodolite Tracking	30 days of theodolite surveys were started on 21 Feb 2019 and completed in May 2019.
Passive Acoustic Monitoring	30 days of PAM surveys were started on 1 May 2019 and completed by the end of May 2019.
White-bellied Sea Eagle	
Baseline Monitoring	The baseline WBSE monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4
Impact Monitoring	On-going, since chick was observed during monitoring event on 28 March 2023, the frequency of impact monitoring will changed to 7-day consecutive monitoring.
<b>Environmental Audit</b>	
Site Inspection covering Measures of Air Quality, Noise Impact, Water Quality, Waste, Ecological Quality, Fisheries, Landscape and Visual	On-going
Mitigation Measures in Marine Mammal Watching Plan (MMWP)	Installation of caisson No.19 was completed on 18 March 2021, which the reclamation area had been totally enclosed by permanent structure. Floating type silt curtain at marine access was removed on 18 March 2021. No enclosed area shall be formed by deployment of silt curtain for the remaining works programme.
Mitigation Measures in Detailed Monitoring Programme on Finless Porpoise (DMPFP)	Installation of caisson No.19 was completed on 18 March 2021, which the reclamation area had been totally enclosed by permanent structure. Floating type silt curtain at marine access was removed on 18 March 2021. No enclosed area shall be formed by deployment of silt curtain for the remaining works programme.
Mitigation Measures in Vessel Travel Details	On-going
Daily Site Audit and Monitoring for Dredging Work	Completed

1.5.3 Other than the EM&A work by ET, environmental briefings, trainings and regular environmental management meetings were conducted, in order to enhance environmental awareness and closely monitor the environmental performance of the contractors.

1.5.4 The EM&A programme has been implemented in accordance with the recommendations presented in the approved EIA Report and the Updated EM&A Manual. A summary of implementation status of the environmental mitigation measures for the construction phase of the Project during the reporting period is provided in **Appendix B**.

## 2. MARINE WATER QUALITY MONITORING

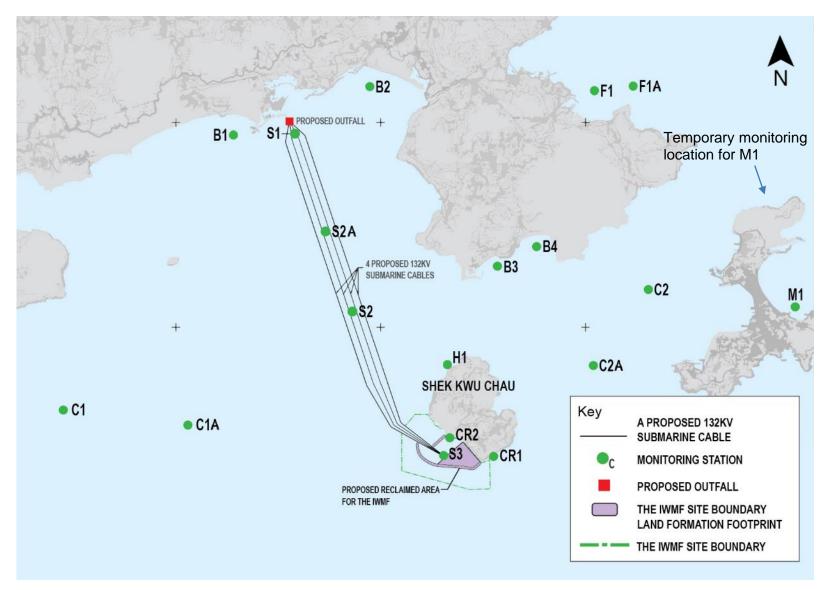
- 2.1 Water Quality Requirements
- 2.1.1 To ensure no adverse water quality impact, water quality monitoring is recommended to be carried out at the nearby water sensitive receivers (WSRs) during construction phase including proposed reclamation, breakwater construction, etc.
- 2.1.2 In accordance with the Updated EM&A Manual, impact water quality monitoring were conducted 3 days per week at mid-flood and mid-ebb tide to obtain impact water quality levels at the eleven monitoring stations during general water quality monitoring for the reporting period.
- 2.2 Water Quality Parameters, Time, Frequency
- 2.2.1 Dissolved Oxygen (DO), Turbidity, Suspended Solids (SS), Salinity and pH have been undertaken at the eleven monitoring stations during general water quality monitoring.
- 2.2.2 DO, temperature, salinity, turbidity and pH have been measured in-situ and the SS, has been assayed in a HOKLAS laboratory.
- 2.2.3 In associate with the water quality parameters, other relevant data were also measured, such as monitoring location/position, time, water depth, sampling depth, tidal stages, weather conditions and any special phenomena or work underway nearby were also recorded. The monitoring schedule is provided in **Appendix C**.
- 2.2.4 Impact water quality monitoring was conducted 3 days per week in the reporting period. All parameters were monitored during mid-flood and mid-ebb tides at three water depths for general water quality monitoring. The interval between two sets of monitoring has not been less than 36 hours.
- 2.2.5 **Table 2.1** summarizes the monitoring parameters, frequency and duration of the impact water quality monitoring during construction phase.

Parameter, unit	Frequency	No. of Depths
<ul> <li>Water Depth (m)</li> <li>Temperature (°C)</li> <li>Salinity (ppt)</li> <li>pH (pH unit)</li> <li>Dissolved Oxygen (DO) (mg/L and % of saturation)</li> <li>Turbidity (NTU)</li> <li>Suspended Solids (SS), mg/L</li> </ul>	General water quality monitoring : 3 days per week, at mid-flood and mid-ebb tides	<ul><li>3 water depths: 1m below sea surface, mid-depth and 1m above sea bed.</li><li>If the water depth is less than 3m, mid-depth sampling only.</li><li>If water depth less than 6m, mid-depth may be omitted.</li></ul>

 Table 2.1 Water Quality Monitoring Parameters, Frequency and Duration

#### 2.3 Water Quality Monitoring Locations

2.3.1 Impact water quality monitoring was conducted at eleven monitoring locations (B1-B4, H1, C1, C2, F1, CR1, CR2 & M1) during general water quality monitoring in the reporting period as shown in **Figure 2.1**. As per the relocation proposal verified by IEC and approved by EPD, the monitoring location C1, C2, S2, F1 are relocated at C1A, C2A, S2A, F1A as equivalent points respectively to clear up the concerns from stakeholders.





2.3.2 B1 to B4 are located at 4 beaches respectively at the southern shore of Lantau Island. Monitoring station H1 is located at the horseshoe crab habitat at northern SKC, while CR1 and CR2 are located at the coral communities at southwestern shore of SKC. Monitoring station F1 is located at the Cheung Sha Wan Fish Culture Zone while monitoring station M1 is located at Tung Wan at Cheung Chau. Monitoring station F1A is relocated for F1 at the Cheung Sha Wan Fish Culture Zone. S1, S2 and S3 are located at the northern landing site, midway and southern landing site of the proposed submarine cable, respectively. S2A is the relocated monitoring station of S2 which represents the midway landing site of the proposed submarine cable. S1, S2/S2A and S3 are required for monitoring due to the laying of submarine cable. Control stations C1 and C2 at far field locations are for comparison. Control stations C1A and C2A are relocated for C1 and C2 respectively as equivalent far field locations for comparison.

#### 2.3.3 Fourteen monitoring stations are listed in **Table 2.2**.

Monitoring station	Description	Easting	Northing
B1	Beach – Cheung Sha Lower	813342	810316
B2	Beach – Pui O	815340	811025
B3	Beach – Yi Long Wan	817210	808395
B4	Beach – Tai Long Wan	817784	808682
H1	Horseshoe Crab – Shek Kwu Chau	816477	806953
C1	Control Station (note i)	810850	806288
C1A	Relocated Control Station	812823	806300
C2	Control Station (note ii)	819421	808053
C2A	Relocated Control Station	818869	806808
F1	Cheung Sha Wan Fish Culture Zone (note iii)	818631	810966
F1A	Cheung Sha Wan Fish Culture Zone	819109	810924
S1	Submarine Cable Landing Site	814245	810335
S2	Submarine Cable (note iv)	815076	807747
S2A	Submarine Cable	814808	808515
\$3	Submarine Cable Landing Site	816420	805621
CR1	Coral	817144	805597
CR2	Coral	816512	805882
M1	Tung Wan	821572	807799

 Table 2.2 – Locations of Marine Water Quality Stations

Note:

i. Relocated to C1A in Mar 2019

ii. Relocated to C2A in Mar 2019

iii. Relocated to S2A in Mar 2019

iv. Relocated to F1A in Mar 2019

#### 2.4 Impact Monitoring Methodology

- 2.4.1 General water quality monitoring was conducted three days per week, at mid-flood and mid-ebb tides, at the designated water quality monitoring stations during the reporting period.
- 2.4.2 The interval between 2 sets of monitoring was not less than 36 hours. Sampling was collected at three water depths, namely, 1m below water surface, mid-depth and 1m above seabed, except where the water depth is less than 6m, the mid-depth was omitted. If the water depth was less than 3m, only the mid-depth station was monitored.
- 2.4.3 Duplicate in-situ measurements and water sampling were carried out in each sampling event. The monitoring probes were retrieved out of water after the first measurement and then redeployed for the second measurement. When the difference in value between the first and second readings of DO or turbidity is more than 25% of the value of the first reading, the reading would be discarded and further readings would be taken.

#### In-situ Measurement

2.4.4 Levels of DO, pH, temperature, turbidity and salinity would be measured in-situ by portable and weatherproof measuring instrument, e.g. YSI ProDSS and Horiba U-53 Multiparameter complete with cable and sensor. (Refer to http://www.ysi.com/ProDSS for YSI ProDSS technical specification and https://static.horiba.com/fileadmin/Horiba/Products/Process and Environmental/Wat er\_Pollution/Instruction\_Manuals/U-50/U-50\_SS\_E.pdf for Horiba U-53 technical specification). Water current velocity and water current direction would be measured by portable and weatherproof current meter, e.g. SonTek Hydrosurveyor (Refer to https://www.sontek.com/hydrosurveyor for SonTek Hydrosurveyor M9 technical specification). Parameters measured by in-situ measurement is tabulated in Table 2.3

Parameter	Resolution	Range	
Temperature	0.1 °C	-5-70 °C	
Dissolved Oxygen (DO)	0.01 mg/L	0-50.0 mg/L	
Turbidity	0.1 NTU	0-1000 NTU	
pH	pH 0.01	pH 0-14	
Salinity	0.01 ppt	0-40 ppt	
Water Current Velocity	0.001m/s	±20m/s	
Water Current Direction	$\pm 1^{\circ}$	$\pm 2^{ m o}$	

#### Laboratory Analysis

2.4.5 Analysis of SS shall be carried out in a HOKLAS accredited laboratory. Sufficient water samples shall be collected at the monitoring stations for carrying out the laboratory determinations. The determination work shall be started within 24 hours after collection of the water samples. Analytical methods and detection limits for SS is presented in **Table 2.4**.

#### Table 2.4 – Analytical Methods Applied to Water Quality Samples

Parameter Analytical metho		Detection Level	
Suspended Solids, SS	APHA 2540 D <sup>i</sup>	1 mg/L	

Footnote:

"APHA 2540 D" stands for American Public Health Association Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition.

#### Field Log

- 2.4.6 Other relevant data was recorded, such as: monitoring location / position, time, water depth, weather conditions and any special phenomena underway near the monitoring station.
- 2.5 Monitoring Equipment
- 2.5.1 Equipment used in the impact water quality monitoring programme is summarized in **Table 2.5** below.

#### **Table 2.5 Impact Water Quality Monitoring Equipment**

Monitored Parameter	Equipment	Brand and Model
DO, Temperature, Salinity,	Multi-functional Meter	Horiba U-53
pH and Turbidity		YSI ProDSS Multi Parameter
Coordinates	Positioning Equipment	Garmin GPSMAP 78s
Water depth	Water Depth Detector	Hummingbird 160 Portable
SS	Water Sampler	Wildco 2 L Water Sampler
		with messenger

#### 2.5.2 Dissolved Oxygen and Temperature Measuring Equipment

The instrument is a portable and weatherproof DO probe mounted on the multifunctional meter complete with cable and sensor and is powered by a DC supply source. The equipment was capable of measuring:

- A DO level in the range of 0 50 mg/L; and
- Temperature of -5 70 degree Celsius.

#### 2.5.3 Turbidity Measurement Instrument

The instrument is a portable and weatherproof turbidity-measuring probe mounted on the multi-functional meter and is powered by a DC supply source. The instrument is equipped with a photoelectric sensor which is capable of measuring turbidity between 0 - 1000 NTU.

#### 2.5.4 pH Measurement Instrument

The probe consists of a potentiometer, a glass electrode, a reference electrode and a temperature-compensating device mounted on the multi-functional meter. It is readable to 0.1 pH in a range of 0 to 14. Standard buffer solutions of at least pH 7 and pH 10 were used for calibration of the instrument before and after use.

#### 2.5.5 Salinity Measurement Instrument

A portable salinometer mounted on the multi-functional meter capable of measuring salinity in the range of 0-40 parts per thousand (ppt) was provided for measuring salinity of the water at each monitoring location.

#### 2.5.6 Sampler

The water sampler comprises a transparent PVC cylinder, with a capacity of not less than 2 litres, which can be effectively sealed with latex cups at both ends. The sampler has a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth.

#### 2.5.7 Sample Containers and Storage

Water samples for SS were stored in high density polythene bottles with no preservative added, packed in ice (cooled to 4°C without being frozen) and delivered to the laboratory and analysed as soon as possible after collection. Sufficient volume of samples was collected to achieve the detection limit stated in **Table 2.4**.

#### 2.5.8 Water Depth Detector

A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station. This unit could either be hand-held or affixed to the bottom of the work boat, if the same vessel is to be used throughout the monitoring programme.

#### 2.5.9 Monitoring Position Equipment

Hand-held digital Differential Global Positioning System (DGPS) with way point bearing indication and Radio Technical Commission for maritime (RTCM) Type 16 error message 'screen pop-up' facilities (for real-time auto-display of error messages and DGPS corrections from the Hong Kong Hydrographic Office) was provided and used to ensure that the water sampling locations were correct during the water quality monitoring work.

- 2.6 Maintenance and Calibration
- 2.6.1 The multi-functional meters were checked and calibrated before use. Multi-functional meters were certified by a laboratory accredited under HOKLAS or any other international accreditation scheme, and subsequently re-calibrated at three monthly intervals throughout all stages of the water quality monitoring. Responses of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for a DO meter was carried out before commencement of monitoring and after completion of all measurements each day. Calibration was not conducted at each monitoring location as daily calibration is adequate for the type of DO meter employed.
- 2.6.2 Sufficient stocks of spare parts were provided and maintained for replacements when necessary. Backup monitoring equipment was prepared for uninterrupted monitoring during equipment maintenance or calibration during monitoring.

#### 2.7 Action and Limit Levels

2.7.1 The Action and Limit Levels have been set based on the derivation criteria specified in the Updated EM&A Manual and Detailed DCM Plan, as shown in **Table 2.6** below.

Parameters	Action	Limit			
Construction Pl	Construction Phase Impact Monitoring				
DO in mg/L	≤ 4				
SS in mg/L	$\geq$ 95 %-ile of baseline data or 120% of control station's SS at the same tide of the same day of measurement, whichever is higher	$\geq$ 99 %-ile of baseline data or 130% of control station's SS at the same tide of the same day of measurement, whichever is higher			
Turbidity in NTU	$\geq$ 95 %-ile of baseline data or 120% of control station's turbidity at the same tide of the same day of measurement, whichever is higher	$\geq$ 99 %-ile of baseline data or 130% of control station's turbidity at the same tide of the same day of measurement, whichever is higher			
Temperature in°C	1.8°C above the temperature recorded at representative control station at the same tide of the same day	2°C above the temperature recorded at representative control station at the same tide of the same day			

#### Table 2.6 Criteria of Action and Limit Levels for Water Quality

2.7.2 Based on the baseline monitoring data and the derivation criteria specified above, the Action/Limit Levels have been derived and are presented in **Table 2.7** and **Table 2.8** for both dry seasons (October – March) and wet seasons (April – September).

Parameters	Action	Limit			
Construction Pha	Construction Phase Impact Monitoring				
DO in mg/L	≤ 7.13	$\leq 4$			
SS in mg/L	$\geq$ 8 or 120% of control station's SS at the same tide of the same day of measurement, whichever is higher	$\geq$ 10 or 130% of control station's SS at the same tide of the same day of measurement, whichever is higher			
Turbidity in NTU	$\geq$ 5.6 or 120% of control station's turbidity at the same tide of the same day of measurement, whichever is higher	$\geq$ 12.8 or 130% of control station's turbidity at the same tide of the same day of measurement, whichever is higher			
Temperature in°C	1.8°C above the temperature recorded at representative control station at the same tide of the same day	2°C above the temperature recorded at representative control station at the same tide of the same day			

Table 2.7 Derived Action and Limit Levels for	· Water Quality Monitoring (Dry Season)
Tuble 217 Derived Action and Emitt Devels for	Water Quanty Monitoring (Dry Beason)

Notes:

i. "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.

ii. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.

iii. For turbidity, SS and Salinity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

Parameters	Action	Limit			
Construction Pha	Construction Phase Impact Monitoring				
DO in mg/L	$\leq$ 5.28	<i>≤</i> 4			
SS in mg/L	$\geq$ 12 or 120% of control station's SS at the same tide of the same day of measurement, whichever is higher	$\geq$ 14 or 130% of control station's SS at the same tide of the same day of measurement, whichever is higher			
Turbidity in NTU	$\geq$ 4.0 or 120% of control station's turbidity at the same tide of the same day of measurement, whichever is higher	$\geq$ 4.3 or 130% of control station's turbidity at the same tide of the same day of measurement, whichever is higher			
Temperature in <sup>°</sup> C	1.8°C above the temperature recorded at representative control station at the same tide of the same day	2°C above the temperature recorded at representative control station at the same tide of the same day			

Table 2.8 Derived Action and Limit Levels for Wat	er Ouality (Wet Season)
Tuble 110 Derried Heron and Emile Hereis for that	

Notes:

i. "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.

ii. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.iii. For turbidity, SS and Salinity, non-compliance of the water quality limits occurs when monitoring result is higher than

the limits.

- 2.7.3 If exceedances were found during water quality monitoring, the actions in accordance with the Event and Action Plan shall be carried out according to **Appendix D**.
- 2.8 Monitoring Results and Observations
- 2.8.1 As confirmed by the Contractor on 14 October 2020, all DCM works was completed on 14 October 2020, the post DCM water quality monitoring was completed for further 4 weeks (i.e. from 16 October 2020 to 14 November 2020) according to the approved Detailed Plan on Deep Cement Mixing. As all DCM work and post DCM water quality monitoring were completed, no water quality monitoring was conducted at S1, S2A and S3 from 14 November 2020 onward. As no marine construction work will be carried out from March to December 2023 and EPD had no comment on temporary suspension of water quality monitoring on 29 March 2023, the water quality was then temporarily suspended from 30 March 2023 onward.

### **3.** NOISE MONITORING

#### 3.1 Monitoring Requirements

- 3.1.1 To ensure no adverse noise impact, noise monitoring is recommended to be carried out at the nearby noise sensitive receivers (NSRs) during construction phase.
- 3.1.2 In accordance with the Updated EM&A Manual, baseline noise level at the noise monitoring stations was established as presented in the Baseline Monitoring Report. Impact noise monitoring was conducted once per week in the form of 30-minutes measurements Leq, L10 and L90 levels recorded at each monitoring station between 0700 and 1900 hours on normal weekdays.
- 3.1.3 In accordance with the Updated EM&A Manual, additional weekly impact monitoring should be carried out during respective restricted hours period (1900 0700 hours) if the construction works were conducted at evening and night time. Additional weekly noise monitoring was conducted once per week in the form of 5-minutes measurements Leq, L10 and L90 levels recorded at each monitoring station between 1900 and 0700 hours as well as public holidays and Sundays.
- 3.2 Noise Monitoring Parameters, Time, Frequency
- 3.2.1 Impact noise monitoring was conducted weekly in the reporting period between 0700 and 1900 hours on normal weekdays. Additional impact noise monitoring was conducted weekly in the reporting period between 1900-0700 hours on all days as well as public holidays and Sundays.
- 3.2.2 Construction noise level measured in terms of the A-weighted equivalent continuous sound pressure level ( $L_{Aeq}$ ).  $L_{eq \ 30min}$  was used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays.  $L_{eq \ 5min}$  was used as the monitoring parameter for the time period between 1900 and 0700 hours as well as public holidays and Sundays. **Table 3.1** summarizes the monitoring parameters, frequency and duration of the impact noise monitoring and additional impact noise monitoring. The monitoring schedule is provided in **Appendix C**.

Monitoring Station	Time	Duration	Parameters
	Day time: 0700-1900 hrs (during normal weekdays)	Once per week $L_{eq 5min}/L_{eq 30min}$ (average of 6 consecutive $L_{eq 5min}$ )	L <sub>eq</sub> , L <sub>10</sub> & L <sub>90</sub>
M1/ N_S1, M2/ N_S2, M3/ N_S3	Evening time: 1900-2300 hrs (including normal weekdays, also public holidays and Sundays)	Once per week L <sub>eq 5min</sub> (3 sets of L <sub>eq 5min</sub> )	L <sub>eq</sub> , L <sub>10</sub> & L <sub>90</sub>
	Night time: 2300-0700 hrs (including normal weekdays, also public holidays and Sundays)	Once per week L <sub>eq 5min</sub> (3 sets of L <sub>eq</sub> <sub>5min</sub> )	L <sub>eq</sub> , L <sub>10</sub> & L <sub>90</sub>

Table 3.1 Noise Monitoring Parameters, Time, Frequency and Duration

#### 3.3 Noise Monitoring Locations

3.3.1 Three noise monitoring locations for impact monitoring and additional impact monitoring at the nearby sensitive receivers are shown in Figure 3.1.

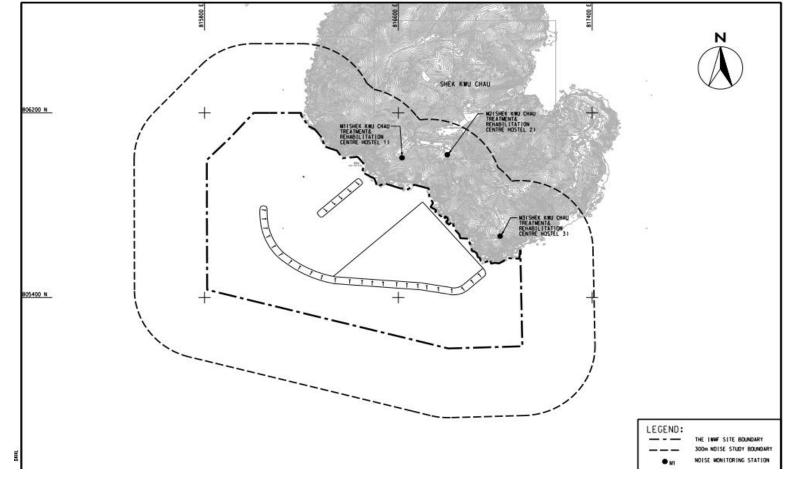


Figure 3.1 Noise monitoring locations at SKC

- 3.3.2 M1, M2 and M3 are Shek Kwu Chau Treatment and Rehabilitation Centre Hostel 1, 2 and 3 respectively of The Society for the Aid and Rehabilitation of Drug Abusers (SARDA) located at southern part of Shek Kwu Chau.
- 3.3.3 Measurements at M1 & M3 were conducted at a point 1m from the exterior of the sensitive receivers building façade and at a position 1.2m above the ground. Measurement setup at M3 has been varying with minor adjustment to minimize the disturbance to the users of Treatment Centre. Measurement at M2 was conducted at a point 1m from building façade of the ceiling of 1st floor level for avoidance of mutual disturbance with users of Treatment Centre. The minor adjustment of monitoring locations, which were in favour to mutual convenience with the users of Treatment Centre, were found with no effect on monitoring result based on on-site observation and experience from the Baseline monitoring of the Project. The noise monitoring stations are summarized in **Table 3.2** below.

Station	NSR ID in EIA Report	Noise Monitoring Location	Type of sensitive receiver(s)	Measurement Type
M1	N_S1	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1	Residential	Façade
M2	N_S2	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2	Residential	Façade
M3	N_S3	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3	Residential	Façade

#### Table 3.2 Noise Monitoring Location

- 3.4 Impact Monitoring Methodology
- 3.4.1 At each designated monitoring location, measurements of six 5-minute A-weighted equivalent sound pressure level [" $L_{eq 5min}$ "] was carried out between 0700 and 1900 hours for daytime measurements on a normal weekdays (excluding Sunday or general holiday). The measured six impact noise levels at each monitoring location shall then be averaged in logarithmic scale and expressed in terms of the 30-minute A-weighted equivalent continuous sound pressure level ( $L_{eq 30min}$ ) for the time period between 0700 and 1900 hours on normal weekdays.
- 3.4.2 At each designated monitoring location, measurements of three 5-minute A-weighted equivalent sound pressure level ["L<sub>eq 5min</sub>"] was carried out between 1900 and 0700 hours for evening time and night time measurements.
- 3.4.3 The monitoring procedures are as follows:
  - The microphone head of the sound level meter was normally positioned 1 m exterior of the noise sensitive façade and lowered sufficiently so that the building's external wall acts as a reflecting surface.
  - If there is a problem with the access to the normal monitoring position, an alternative may be chosen and appropriate correction would be applied according to acoustic principle when necessary. For reference, +3 dB(A) correction would be made for free-field measurements.
  - The battery condition was checked to ensure good functioning of the meter.
  - Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
    - Frequency weight: A
    - Time weighting: Fast
    - Measurement time: 5 minutes

- Prior to and after noise measurement, the meter was calibrated using the calibrator for 94.0 dB at 1000Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement was considered invalid and repeat of noise measurement was required after re-calibration or repair of the equipment.
- Noise monitoring was carried out for 30 minutes by sound level meter. At the end of the monitoring period, noise levels in terms of L<sub>eq</sub>, L<sub>10</sub> and L<sub>90</sub> were recorded. In addition, site conditions and noise sources were recorded when the equipment was checked and inspected.
- All the monitoring data within the sound level meter system was downloaded through the computer software.
- 3.5 Monitoring Equipment
- 3.5.1 Integrated sound level meter was used for the noise monitoring. The meter shall comply with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications.
- 3.5.2 Equipment used in the impact noise monitoring programme is summarized in Table3.3 below. Calibration certificates for the noise monitoring equipment are attached in Appendix E.

Equipment	Brand and Model
Sound Level Meter	SVANTEK 971
Sound Calibrator	RION NC-75

- 3.6 Maintenance and Calibration
- 3.6.1 The maintenance and calibration procedures were as follows:
  - The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.
  - The sound level meter and calibrator were checked and calibrated at yearly intervals
  - Immediately prior to and following each noise measurement, the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0dB.
- 3.7 Action and Limit Levels
- 3.7.1 The Action/Limit Levels in line with the criteria of Practice Note for Professional Persons (ProPECC PN 2/93) "Noise from Construction Activities Non-statutory Controls" and Technical Memorandum on Environmental Impact Assessment Process issued by HKSAR Environmental Protection Department ["EPD"] under the Environmental Impact Assessment Ordinance, Cap 499, S.16 is presented in **Table 3.4**.

Time Period	Action	Limit (dB(A))
0700-1900 hrs on normal	$75 dD(\Lambda)$	
weekdays	complaint is received	75 dB(A)

#### Table 3.4 Action and Limit Levels for Noise per Updated EM&A Manual

Notes: If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

- 3.7.2 If exceedances were found during noise monitoring, actions in accordance with the Event and Action Plan shall be carried out according to **Appendix F**.
- 3.8 Monitoring Results and Observations
- 3.8.1 Impact monitoring for noise impact for daytime was carried out on 03, 11, 17 and 24 April 2023. Impact monitoring for noise impact for evening time and night time was carried out on 03&04, 11&12, 17&18 and 24&25 April 2023. The impact noise levels at Noise Monitoring Stations at SKC (i.e. M1/N\_S1 to M3/N\_S3) are summarized in **Table 3.6**, **Table 3.7** and **Table 3.8** respectively. Details of noise monitoring results are presented in **Appendix G**.
- 3.8.2 Major construction activity, major noise source and extreme weather which might affect the results were recorded during the impact monitoring.
- 3.8.3 According to our field observations, the major noise source identified at the noise monitoring station in the reporting month are summarised in **Table 3.5**. Sound from the intermittent piling work was the noticeable noise source for monitoring stations M1, M2 and M3. Air conditioning units were also observed nearby monitoring stations M3.

Monitoring Station	Major Noise Source
M1	Sound from the intermittent piling work
M2	Sound from the intermittent piling work
M3	Sound from the intermittent piling work, air-conditioner

#### Table 3.5 Summary of Field Observation

3.8.4 No data from impact monitoring during daytime has exceeded the stipulated limit level at 75 dB(A).

Location	Measured Noise Level in dB(A)								
	Range of Leq 30min	Range of L <sub>10 30min</sub>	Range of L <sub>90 30min</sub>						
M1	55.4 - 59.1	57.4 - 62.1	52.1 - 56.0						
M2	54.9 - 59.0	57.2 - 60.1	52.5 - 54.1						
M3	56.2 - 59.4	58.1 - 62.4	50.3 - 54.2						

Table 3.6 Summary of Impact Noise Monitoring Results during Day Time (0700 – 1900 hours)

- 3.8.5 Applicable mitigation measures for construction works are fully implemented as shown in **Appendix B**, where double-glazed windows and air conditioning system were also installed and confirmed operable for the NSRs (N\_S1, N\_S2 & N\_S3).
- 3.8.6 During the noise monitoring event, frontline staff of ET had inquired the treatment centre users on any noise disturbance from the construction activities at evening and night time, where no complaint and adverse opinions was received.
- 3.8.7 Where site inspection and auditing on Contractor's record have shown that the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority for construction works during restricted hours were followed, no inappropriate practice was spotted during evening time and night time construction works. Thus, the stipulated requirement on noise impact control during night time and evening time was achieved.

Location	Measured Noise Level in dB(A)								
	Range of Leq 5min	Range of L <sub>10 5min</sub>	Range of L90 5min						
M1	44.5 - 51.4	46.5 - 53.0	42.3 - 49.0						
M2	50.7 - 57.3	51.5 - 61.4	49.6 - 52.7						
M3	39.8 - 53.0	47.4 - 57.0	37.7 - 50.4						

Table 3.7 Summary of Additional Impact Noise Monitoring Results during Evening Time (1900 – 2300 hours)

Table 3.8 Summary of Additional Impact Noise Monitoring Results during Night Time	
(2300 – 0700 hours)	

Location	Measured Noise Level in dB(A)								
	Range of Leq 5min	Range of L <sub>10 5min</sub>	Range of L <sub>90 5min</sub>						
M1	43.6 - 52.5	44.7 – 55.1	41.7 – 46.7						
M2	49.8 - 52.6	50.4 - 54.2	48.8 - 51.5						
M3	37.8 - 50.7	39.1 - 58.7	36.5 - 48.4						

## 4. WASTE

- 4.1 The waste generated from this Project includes inert construction and demolition (C&D) materials, and non-inert C&D materials. Non-inert C&D materials are made up of general refuse, vegetative wastes and recyclable wastes such as plastics and paper/cardboard packaging waste. Steel materials generated from the project are also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials.
- 4.2 As advised by the Contractor, about 36,001.1 m<sup>3</sup> C&D materials were generated on site in the reporting month, of which 36,001.1 m<sup>3</sup> of the materials were reused in other projects. No metal was generated and collected by registered recycling collector. 215.0 kg of paper was collected by the registered recycling collector. No plastic waste was collected by registered recycling collector. No chemical waste was collected by the licensed chemical waste collector. 136.5 m<sup>3</sup> of other types of wastes (e.g. general refuse) was disposed of at designated landfill. No fill sand, public fill or fill rock was imported during the reporting period.
- 4.3 Chemical waste generated from land-based construction activities was stored in the chemical waste cabinet for temporary storage.
- 4.4 With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are summarised in **Table 4.1**. Details of cumulative waste management data are presented as a waste flow table in **Appendix H**.
- 4.5 The Contractor is advised to sort and store any solid and liquid waste on-site properly prior to disposal.

Table 4.1 Quantities of Waste Generated from the Project during April 2023
--

	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly						
	Total	Hard Rock and Large	Reused in	Reused in	Disposed	Imported Fill				Papar /	Plastics			Others,
Reporting Month	Quantity Generated	Broken Concrete (see Note 1)	the Contract	other Projects	Disposed as Public Fill	Sand	Sand Public Fill	Rock	Metals ca	Paper / cardboard packaging	(see Note 2)	Chemical Waste		e.g. general refuse (see Note 3)
	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup> )		(in ,000m <sup>3</sup> )		(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	(in ,000m <sup>3</sup> )
Apr 2023	36.0011	0	0	36.0011	0	0	0	0	0	0.2150	0	0	0	0.1365

Notes: (1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor: 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: rock density =  $2 \text{ T/m}^3$ .

## 5. CORAL

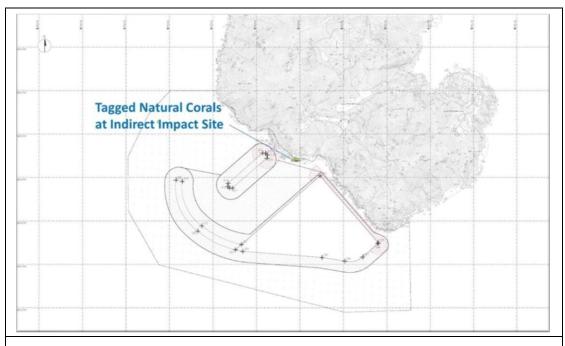
- 5.1 Coral Monitoring Requirements
- 5.1.1 To monitor the health condition of corals during different phases, corals located within areas likely to be affected by the Project, corals located at control sites (areas unlikely to be affected by the Project), the trans-located coral colonies as well as the tagged natural coral colonies at the recipient site were chosen, in order to identify any adverse indirect impact from the marine works. The size, percentage cover and health condition of corals (i.e. any sign of abnormal appearance, such as layer of mucus, bleaching, partial mortality etc.) at representative transects should be recorded during each monitoring.
- 5.2 Coral Monitoring Parameters, Time, Frequency
- 5.2.1 Rapid Ecological Assessment (REA) survey was conducted on 26 June 2018 at the suggested control site and indirect impact site within two weeks before commencement of the construction work which was 29 June 2018. 10 selected hard coral colonies with the similar species were tagged at both control and indirect impact sites. Following coral translocation in the recipient site R3, 16 coral colonies attached to rocks less than 50 cm in diameter were translocated and tagged, as well as 10 selected natural coral colonies, at the recipient site. One additional REA survey was conducted in December 2018 to further assess the seabed condition at Indirect Impact Site after Typhoon Mangkhut.
- 5.2.2 Tagged coral colonies at the suggested control site and indirect impact site are being monitored weekly for the first month and followed by monthly monitoring for two months. Quarterly monitoring will be carried out after the first three-month of monthly monitoring until the completion of marine works and bi-annual monitoring will be carried out after the completion of marine works. The selected Control Site is located at Yuen Kong Chau of Soko Islands about 7 km away from the project area. Tagged coral colonies at the proposed recipient site are being monitored quarterly for one year. The selected recipient site R3 is located at the opposite side of the Project area at about 2 km away. The detailed survey of the Control Site and Impact Site were conducted before the commencement of the Construction Phase.
- 5.2.3 Monitoring recorded the following parameters (using the same methodology adopted during the pre-translocation survey); the size, presence, health conditions (percentage of mortality/bleaching) and percentage of sediment of each tagged coral colony. The general environmental conditions including weather, sea, and tidal conditions of impact site, control site and recipient site were monitored.
- 5.2.4 **Table 5.1** summarizes the monitoring locations, time and frequency of the tagged coral colonies monitoring. The monitoring schedule is provided in **Appendix C**.

Monitoring Location	Monitoring Month/Year	Frequency	No. of Monitoring Survey
	1 <sup>st</sup> Month	Weekly Survey	4
	2 <sup>nd</sup> to 3 <sup>rd</sup> Months	Monthly Survey	2
	4 <sup>th</sup> Month (postponed	Re-tagging of Cora	al Colonies in Indirect
	to 5 <sup>th</sup> month due to	Impact Site after Typhoon Mangkhut	
	diver accident in Shek		
	Kwu Chau in October		
	2018)		
	4 <sup>th</sup> Month (postponed		al Colonies in Control
	to 5 <sup>th</sup> month due to	Site after Typhoon Mangkhut	
	diver accident in Shek Kwu Chau in October		
	2018 and further		
	postpone to $6^{th}$ month		
	due to adverse		
	weather)		
	5 <sup>th</sup> Month (postponed	Post Re-tagging	1
	to 6 <sup>th</sup> month due to	Monthly Survey	
	diver accident in Shek		
	Kwu Chau and further		
10 selected hard coral	postponed to 7 <sup>th</sup>		
colonies at control site /	month due to delay of		
indirect impact site	re-tagging activities at		
-	both Indirect Impact		
	Site and Control Site)	0 1 0	20
	7 <sup>th</sup> to 68 <sup>th</sup> Months	Quarterly Survey	20
	(postponed to $8^{th}$ to $57^{th}$ month due to		
	diver accident in Shek		
	Kwu Chau in October		
	2018)		
	69 <sup>th</sup> to 76 <sup>th</sup> Months	Bi-annually	2
	(The marine	Survey	
	construction work is		
	anticipated to be		
	completed by		
	February 2024, the		
	frequency of		
	monitoring will be		
	changed to bi-annual with reference to the		
	Updated EM&A		
	Mannual (Rev.E) )		
16 translocated hard			
coral colonies and 10			
selected natural hard	1 <sup>st</sup> Year	Quarterly Survey	4
coral colonies at			
recipient site R3			

 Table 5.1 Tagged Coral Monitoring Locations, Time and Frequency

## 5.3 Coral Monitoring Locations

5.3.1 Location of the ten tagged coral colonies at each of the proposed indirect impact site (re-tagging after typhoon Mangkhut), control site (baseline) and recipient site R3 (translocation) are shown in **Figure 5.1**, **Figure 5.2** and **Figure 5.3** respectively:



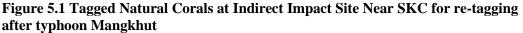




Figure 5.2 Tagged Natural Corals at Control Site Near Yuen Kong Chau for retagging after typhoon Mangkhut



Figure 5.3 Tagged Translocation Corals at Recipient Site R3 near SKC

5.3.2 The GPS coordinates of the tagged coral colonies, retagged coral colonies and recipient site were shown in **Table 5.2**, **Table 5.3** and **Table 5.4** respectively.

Coral #	GPS Co	ordinates
1	N22°09'45.96"	E113°54'57.81"
2R	N22°11'29.12"	E113°59'09.01"
3	N22°09'45.81"	E113°54'57.78"
4	N22°09'45.70"	E113°54'57.95"
5R	N22°11'29.10"	E113°59'09.18"
6	N22°09'45.75"	E113°54'58.02"
7R	N22°11'29.17"	E113°59'08.86"
7	N22°09'45.65"	E113°54'57.94"
8	N22°09'45.53"	E113°54'57.90"
9	N22°09'46.23"	E113°54'54.70"
10R	N22°11'29.18"	E113°59'08.91"

Table 5.2 Tagged Natural Corals during Baseline and Re-tagged Natural Corals afterTyphoon Manghkut at Control Site near Yuen Long Chau

Notes:

i. The re-tagged corals were marked as ##**R**.

# Table 5.3 Re-tagged Natural Corals after Typhoon Manghkut at Indirect Impact Site near SKC

Coral # note i	GPS	GPS Coordinates		
11R	N22°11'29.14"	E113°59'08.92"		
12R	N22°11'29.12"	E113°59'09.01"		
13R	N22°11'29.11"	E113°59'09.07"		
14R	N22°11'29.13"	E113°59'09.12"		
15R	N22°11'29.10"	E113°59'09.18"		
16R	N22°11'29.07"	E113°59'09.23"		
17R	N22°11'29.17"	E113°59'08.86"		
18R	N22°11'29.14"	E113°59'08.94"		
19R	N22°11'29.20"	E113°59'08.81"		
20R	N22°11'29.18"	E113°59'08.91"		

Notes:

i. The re-tagged corals were marked as ##**R**.

## Table 5.4 GPS Coordinates of Recipient Site R3

Site	GPS Coordinates		
R3	N22°11'43.69"	E113°28.99"	

## 5.4 Impact Monitoring Methodology

- 5.4.1 Health status of coral was assessed by the following criteria:
  - Hard coral: Percentage of surface area exhibiting partial mortality and blanched/bleached area of each coral colony and degree of sedimentation.
- 5.5 Action and Limit Levels
- 5.5.1 Monitoring result was reviewed and compared against the below Action Level and Limit Level (AL/LL) as set with the below **Table 5.5** and **Table 5.6**.

Parameter	Action Level	Limit Level
Mortality	a 15% increase in the percentage of partial mortality on the corals occurs at more than 20% of the tagged indirect impact site	percentage of partial mortality on the corals occurs at more than 20% of the tagged indirect impact site coral colonies that is not recorded

## Table 5.5 Action and Limit Levels for Construction Phase Coral Monitoring

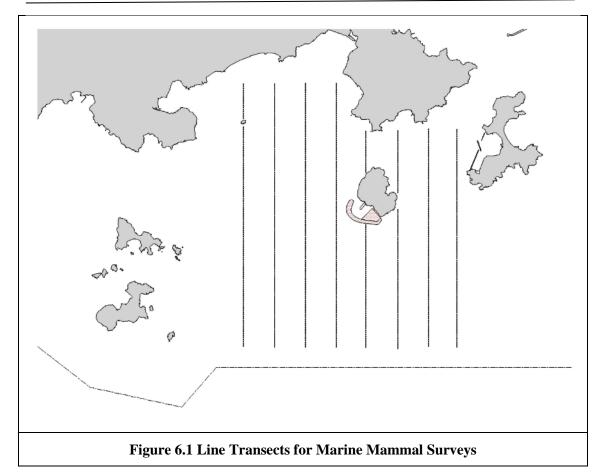
## Table 5.6 Action and Limit Levels for Post-Translocation Coral Monitoring

Parameter	Action Level	Limit Level
Mortality	Monitoring a 15% increase in the percentage of partial mortality on the corals occurs at more than 20% of the translocated coral colonies	mortality on the corals occurs at more than 20% of the translocated coral colonies that is not recorded on the original corals in the recipient site,

- 5.5.2 If exceedance was found during coral monitoring. The actions in accordance with the Event and Action Plan should be carried out according to **Appendix I.**
- 5.6 Monitoring Results and Observations
- 5.6.1 No coral monitoring survey had been done during the reporting period and the 18<sup>th</sup> quarterly coral monitoring during construction phase at both Indirect Impact Site and Control Site would be scheduled in June 2023.

# 6. MARINE MAMMAL

- 6.1 Monitoring Requirements
- 6.1.1 The marine mammal monitoring programme would focus on Finless Porpoise, as the study area near Shek Kwu Chau has been identified as a hotspot for this species, while the Chinese White Dolphins rarely occurred there in the past.
- 6.1.2 The monitoring will verify the predicted impacts on marine mammals and examine whether the mitigation measures recommended in the EIA report have been effectively implemented to protect marine mammals from negative impacts from construction activities.
- 6.1.3 The Vessel-based Line-transect Survey, the Passive Acoustic Monitoring and the Land-based Theodolite Tracking will be conducted to provide systematic, quantitative measurements of occurrence, encounter rate, habitat use, movement and behavioural patterns of marine mammals within or near the Project Area during construction and operational phases.
- 6.1.4 The mammal monitoring works during construction consist of the following three survey methods:
  - Vessel-based Line-transect Survey to monitor the occurrence of Finless Porpoises (and Chinese White Dolphins) in the study area during construction works, by comparing with the findings of the pre-construction marine mammal monitoring;
  - Passive Acoustic Monitoring to study the usage of the Project Area and two control sites in South Lantau Waters by Finless Porpoise during construction works, in reference with the baseline findings of the pre-construction marine mammal monitoring; and
  - Land-based Theodolite Tracking to study the movement and behavioral pattern of Finless Porpoise within and around the Project Area during construction works.
- 6.1.5 The marine mammal observation works of Marine Mammal Exclusion Zone (MMEZ) and Marine Mammal Watching as two of the specific mitigation measures recommended in the approved EIA report shall be fully and properly implemented for the Project to minimize disturbance on Finless Porpoise during construction and operational phases.
- 6.2 Survey Methods
- 6.2.1 Vessel-based Line-transect Survey
- 6.2.1.1 For the vessel-based marine mammal surveys, the monitoring team adopted the standard line-transect method (Buckland et al. 2001) as same as that adopted during the EIA study and pre-construction phase monitoring to allow fair comparison of marine mammal monitoring results.
- 6.2.1.2 Eight transect lines are set at Southeast Lantau survey area, including Shek Kwu Chau, waters between Shek Kwu Chau and the Soko Islands, inshore waters of Lantau Island (e.g. Pui O Wan) as well as southwest corner of Cheung Chau as shown in **Figure 6.1** below:



6.2.1.3 The surveys should cover all 4 seasons in order to take natural fluctuation and seasonal variations into account for data analysis of distribution, encounter rate, density and habitat use of both porpoises and dolphins (if any). In comparison to the baseline monitoring results, results from the analysed construction phase monitoring data would allow the detection of any changes of their usage of habitat, in response to the scheduled construction works. The monitoring surveys shall be conducted throughout the construction phase involving marine construction work with the frequency shown in **Table 6.1** below:

Season	Months	Frequency
Peak Season	December, January, February, March, April & May	Twice per month
Non-peak Season	June, July, August, September, October & November	Once per month

6.2.1.4 For each vessel survey, a 15-m inboard vessel with an open upper deck (about 4.5 m above water surface) would be used to make observations from the flying bridge area. Two experienced marine mammal observers (a data recorder and a primary observer) would make up the on-effort survey team, and the survey vessel would transit different transect lines at a constant speed of 13-15 km per hour. The data recorder shall search with unaided eyes and fill out the datasheets, while the primary observer shall search for dolphins and porpoises continuously through 7 x 50 marine binoculars. Both observers shall search the sea ahead of the vessel, between 270° and 90° (in relation to the bow, which is defined as 0°). Two additional experienced observers shall be available on the boat to work in shift (i.e. rotate every 30 minutes) in order to minimize fatigue of the survey team members. All observers shall be

experienced in small cetacean survey techniques and identifying local cetacean species with extensive training by marine mammal specialist of the ET.

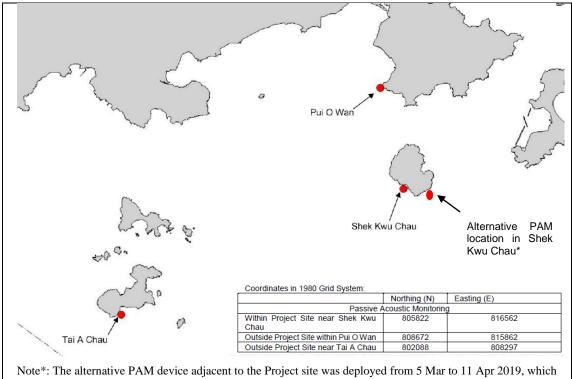
- 6.2.1.5 During on-effort survey periods, the survey team shall record effort data including time, position (latitude and longitude), weather conditions (Beaufort sea state and visibility), and distance travelled in each series (a continuous period of search effort) with the assistance of a handheld GPS (Garmin eTrex Legend). Data including time, position and vessel speed would also be automatically and continuously logged by handheld GPS throughout the entire survey for subsequent review.
- 6.2.1.6 When porpoises or dolphins are sighted, the survey team shall end the survey effort, and immediately record the initial sighting distance and angle of the porpoise or dolphin group from the survey vessel, as well as the sighting time and position. Then the research vessel shall be diverted from its course to approach the animals for species identification, group size estimation, assessment of group composition, behavioural observations, and collection of identification photos (feasible only for Chinese White Dolphin). The perpendicular distance (PSD) of the porpoise or dolphin group to the transect line would then be calculated from the initial sighting distance and angle, which shall be used in the line-transect analysis for density and abundance estimation.
- 6.2.1.7 The line-transect survey data shall be integrated with a Geographic Information System (GIS) to visualize and interpret different spatial and temporal patterns of porpoise and dolphin distribution using their sighting positions collected from vessel surveys. Location data of porpoise and dolphin groups would be plotted on map layers of Hong Kong using a desktop GIS (e.g. ArcView© 3.1) to examine their distribution patterns in details. The encounter rate could be used as an indicator to determine areas or time periods of importance to porpoises within the study area. For encounter rate analysis of finless porpoises, only survey data collected under Beaufort 2 or below condition would be used for encounter rate analysis.
- 6.2.1.8 To take into account of the variations of survey effort across different sections within survey area, the quantitative grid analysis of habitat use would be conducted to examine finless porpoise usage among 1-km<sup>2</sup> grids within the Southeast Lantau survey area. For the grid analysis, SPSE (sighting density) and DPSE (porpoise density) values would be deduced for evaluation on level of porpoise usage. First, positions of on-effort porpoise sightings from the study period are plotted onto 68 grids (1 km x 1 km each) within the survey area. Sighting density grids and porpoise density grids shall then be normalized with the amount of survey effort conducted within each grid. The total amount of survey effort spent on each grid shall be calculated by examining the survey coverage on each line-transect survey to determine how many times the grid had been surveyed during study period. With the amount of survey effort calculated for each grid, the sighting density and porpoise density of each grid shall be further normalized (i.e. divided by the unit of survey effort).
- 6.2.1.9 The newly-derived unit for sighting density was termed SPSE, representing the number of on-effort sightings per 100 units of survey effort. In addition, the derived unit for actual porpoise density was termed DPSE, representing the number of dolphins/porpoise per 100 units of survey effort. Among the 1-km<sup>2</sup> grids that were partially covered by land, the percentage of sea area was calculated using GIS tools, and their SPSE and DPSE values were adjusted accordingly. The following formulae shall be used to estimate SPSE and DPSE in each 1-km<sup>2</sup> grid within the study area:

 $SPSE = ((S / E) \times 100) / SA\%$  $DPSE = ((D / E) \times 100) / SA\%$ 

where S = total number of on-effort sightings D = total number of dolphins/porpoises from on-effort sightings E = total number of units of survey effortSA% = percentage of sea area

#### 6.2.2 Passive Acoustic Monitoring (PAM)

The PAM aims to study the usage of an area by Finless Porpoise by using an array of automated static porpoise detectors (e.g. C-POD) which would be deployed at different locations to detect the unique ultra-high frequency sounds produced by Finless Porpoise. During the construction period, the PAM survey will be conducted including placement of two passive porpoise detectors outside the Project Area as control site (i.e. within Pui O Wan and to the south of Tai A Chau) and one porpoise detector within the Project Area (i.e. near Shek Kwu Chau) as shown in **Figure 6.2** below.



Note\*: The alternative PAM device adjacent to the Project site was deployed from 5 Mar to 11 Apr 2019, which contained a full 37 days acoustic monitoring data set. After the confirmation of loss of the original PAM within the Project site, this data set was proposed to replace that of the original one, as consulted with AFCD accordingly.

## Figure 6.2 Locations of Passive Acoustic Monitoring

6.2.3 These three detectors will be deployed on-site to carry out 24-hours monitoring for a period listed as **Table 6.2** below during the construction phase.

 Table 6.2 PAM Deployment Period

Season	Months	Deployment Period
Peak Season	December, January, February,	At least 30 days during the peak
	March, April or May	months of porpoise occurrence
		in South Lantau waters

- 6.2.3.1 The automated static porpoise detectors shall detect the presence and number of finless porpoise and Chinese White Dolphins respectively over the deployment period, with the false signal such as boat sonar and sediment transport noise distinguished and filtered out. The detectors shall be deployed and retrieved by professional dive team on the seabed of the three selected location shown in Figure 6.2. During each deployment, the C-POD unit serial numbers as well as the time and date of deployments shall be recorded. Information including the GPS positions and water depth at each of the deployment locations shall also be obtained.
- 6.2.3.2 The diel patterns (i.e. 24-hour activity pattern) of finless porpoise occurrence among the three sites at Shek Kwu Chau, Tai A Chau and Pui O Wan shall be analyzed. Peaks and troughs of finless porpoise occurrence per hour of day would be identified and compared with the results obtained from pre-construction monitoring.
- 6.2.4 Land-based Theodolite Tracking
- 6.2.4.1 The Land-based Theodolite Tracking study would use the same station as in the AFCD monitoring study (same as the baseline monitoring location), which is situated at the southwest side of Shek Kwu Chau (GPS position: 22°11.47' N and 113°59.33' E) as shown in below **Figure 6.3**. The station was selected based on its height above sea level (at least 20 metres), close proximity to shore, and relatively unobstructed views of the entire Project Area to the southwest of Shek Kwu Chau. The height of the Shek Kwu Chau Station established by the HKCRP team is 74.6 m high at mean low water, and only a few hundred metres to the IWMF reclamation site, which is ideal for the purpose for the present behavioural and movement monitoring of finless porpoises as well during construction phase considering there as an un-obstructed vantage point at a height above the Project Site.

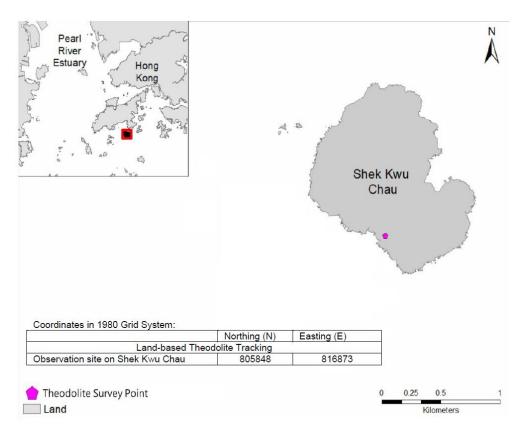


Figure 6.3 Locations of Land-based Theodolite Tracking

During the construction phase, Land-based Theodolite Tracking will be carried out for approximately six hours of tracking for each day of field work for a period listed as **Table 6.3** below, preferably at the initial stage of the construction period (i.e. December 2018 to May 2019).

Table 6.	3 Lan	d-based	Theod	lolite Tı	racking	Survey	Period
						~~~~~	

Season	Months	Survey Period
Peak Season	December, January, February,	30 days during the peak months
	March, April or May	of porpoise occurrence in South
		Lantau waters

- 6.2.4.2 The monitoring period for land-based theodolite tracking will be proposed to be overlapped with the PAM. The monitoring team consists of one experienced theodolite operator and at least two field observers for assistance. To conduct theodolite tracking, the observers will search systematically for Finless Porpoise using the unaided eye and 7 x 50 handheld binoculars on each survey day throughout the study area. When an individual or group of porpoises is located, a theodolite tracking session will be initiated and focal follow methods will be used to track the porpoise(s). Behavioural state data (i.e. resting, milling, travelling, feeding and socializing) shall also be recorded every 5 minutes for the focal individual or group. Positions of porpoises and boats shall be measured using a digital theodolite connected to a laptop computer. This tracking survey was conducted during the peak season between December 2018 and May 2019 for 30 surveys spanning across 15-16 weeks during the peak season to provide good temporal coverage during the initial stage of the construction period.
- 6.3 Specific Mitigation Measures
- 6.3.1 Monitored exclusion zones
- 6.3.1.1 A MMEZ with 250 m distance from silt curtain shall be established during the above situation. If 3 or more construction vessels are required with MMO's duty and operating in close proximity, for the purpose of avoiding accidental entrance to the works area by Marine Mammal, a cluster MMEZ plan will be implemented to form a MMEZ with 250 m distance from the boundary of a work area as indicated in Figure 1 for reference. A team of MMO (i.e. at least two MMOs per day/night shift teams) would be arranged at the out-lying construction vessels to form the cluster MMEZ. The MMEZ serves as a monitoring approach to provide appropriate and immediate actions once finless porpoise or Chinese White Dolphin is sighted within the MMEZ. All MMEZ will be monitored by competent Marine Mammal Observers (MMOs) to be provided by the Environmental Team for the IWMF and trained by the Marine Mammal Monitoring Specialist of the ET who is independent from KSZHJV. The marine mammal observer(s) shall be independent of the construction contractor and shall form part of the Environmental Team and have the power to call-off construction activities.
- 6.3.1.2 According to the Condition 2.25 of the FEP, MMEZ should be implemented during the installation/re-installation/relocation process of floating type silt curtains in order to avoid the accidental entrance and entrapment of marine mammals within the silt curtains. Also, marine construction works expected to produce underwater acoustic disturbance as per Condition 2.27 of the FEP, especially within December and May, would require the implementation of MMEZ, which currently all those specific construction activities have been replaced by less acoustically disturbing construction methods such as Deep Cement Mixing (DCM) and Precast Concrete

Blocks Installation as discussed in Section 5.3 of the Detailed Monitoring Programme on Finless Porpoise, however, MMEZ would also be implemented for precautionary purpose for DCM works.

6.3.1.3 A MMEZ with 250 m distance from the boundary of a work area shall be established during the above situation. A typical MMEZ is indicated in **Figure 6.4** for reference. The MMEZ serves as a monitoring approach to provide appropriate and immediate actions once finless porpoise or Chinese White Dolphin is sighted within the MMEZ. All MMEZ will be monitored by competent Marine Mammal Observers (MMOs) to be provided by the Environmental Team (ET) for the IWMF and trained by the Marine Mammal Monitoring Specialist of the ET who is independent from KSZHJV.

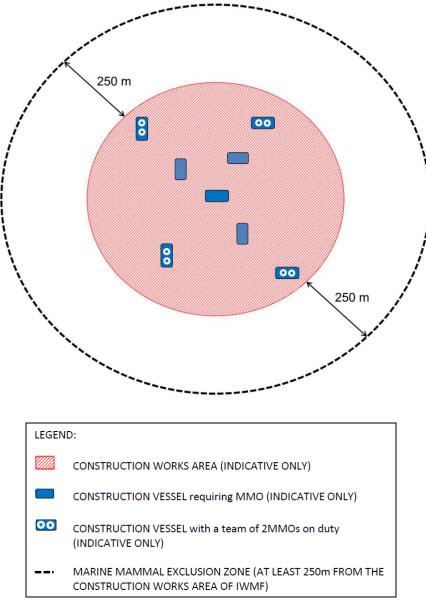


Figure 6.4 Illustration of Typical MMEZ

- 6.3.1.4 Prior to the commencement of construction activity, our MMOs shall ensure the boundary of a marine work area and setting up of the MMEZ for the work area and get access to the monitoring location on a barge or a lookout point where there is no obstructed views for monitoring the MMEZ during the construction activity. The MMEZ shall be scanned thoroughly by a MMO for any presence of marine mammal e.g. finless porpoise for an initial period of 30 minutes. Construction activity shall only be commenced after the MMO has confirmed that the MMEZ is clear of the marine mammal for the initial period of 30 minutes. The MMO shall then inform the construction superintendent through mobile phone or handheld transceivers to certify the commencement of construction activity. The MMEZ monitoring shall be carried on throughout the period for all active construction activities requiring implementation of MMEZ.
- 6.3.1.5 When any mammal marine, e.g. Finless Porpoise, is detected by the MMO within the MMEZ during construction, the MMO shall inform the construction superintendent immediately through mobile phone or handheld transceivers to cease construction activity within the MMEZ. Construction activity shall not be recommenced until the MMO confirms that the MMEZ is continuously clear of marine mammal for a period of 30 minutes. The MMO shall then inform the construction superintendent through mobile phone or handheld transceivers to certify the re-commencement of construction activity.
- 6.3.1.6 As there could be a number of Contractors working at the same time within a work area for the IWMF project, a full contact list of MMEZ monitoring team members of the ET and the relevant responsible construction superintendents of the Contractor at the site shall be prepared, updated regularly and circulated to all parties involved in the MMEZ monitoring. With a full contact list, our MMOs shall be able to find out the contacts of corresponding persons in case of marine mammal sighting within and near the MMEZ or emergent occurrence of any unpredictable impact on marine mammal.
- 6.3.1.7 If a marine mammal is still observed in close vicinity but outside the MMEZ, the MMO shall inform the construction superintendent about the presence of marine mammal. The MMO shall remain in position and closely observe the movement of the marine mammal as well as searching for the appearance of any other marine mammal within the MMEZ. No matter the marine mammal is observed within or in close vicinity but outside the MMEZ, the construction superintendent or relevant persons shall inform all vessel captains involved in construction activities around the MMEZ to pay special attention of the presence of the marine mammal in order to reduce chance of collision with them. In case of injury or live-stranded marine mammal being found within the MMEZ, the marine mammal observer shall immediately inform the construction superintendent to suspend construction activities within the works area and contact AFCD through "1823" marine mammal stranding hotline.
- 6.3.2 Marine mammal watching plan
- 6.3.2.1 Upon the completion of silt curtain installation/re-installation/relocation, the marine works would be conducted within an enclosed environment within the silt curtain. Subsequently, Visual Inspection of the Waters Surrounded by Silt Curtains (Section 2.1, MMWP) and Regular Inspection of Deployed Silt Curtain (Section 2.2, MMWP) inspection under Marine Mammal Watching Plan would be implemented (where applicable, Marine Mammal Exclusion Zone shall be conducted at the meantime).

- 6.3.2.2 Before commencement of dredging/sand blanket laying work at each designated area, a trained MMO shall check whether position frame silt curtains are ready, well prepared and operated without any obvious damage. Also, the MMO shall confirm the presence of the relevant frontline staff of the main contractor or its sub-contractors and engineers on board to ensure the effective communication, coordination and implementation of the response plan in relation to any incidents involving marine mammals within the waters surrounded by the position frame type silt curtains and the work areas. Also, there are lookout points at an elevated level on each barge, clear and safe access at the edges of the derrick lighter/ flag-top barge for inspection during dredging/sand blanket laying works, provision of sufficient lighting is required if working at night.
- 6.3.2.3 During the operation, the inspection will be conducted daily. The MMO will walk along the edge of derrick lighter (DL) and flag-top barge (FB) along the position frame silt curtain or proper location without obstacles where appropriate to inspect the position frame silt curtains are maintained in the correct positions with no obvious defects / entanglement and there is no observable muddy water passing through the position frame silt curtain system. Any floating refuse trapped by the silt curtain shall be removed as part of the regular inspection. For night inspection, spotlight will be used to provide sufficient brightness to assist the inspection in dark condition.
- For the re-deployment of the localized silt curtains (frame-type, cage-type or 6.3.2.4 enclosed floating-type silt curtains), MMO will conduct visual inspection to confirm that there is no presence of marine mammal within the localized silt curtains (frametype, cage-type or enclosed floating-type silt curtains). Visual inspection will be conducted every hour by MMO for confirming that there is no marine mammal observed in the surrounding area of the deployed silt curtain during re-deployment of localized silt curtains (frame-type, cage-type or enclosed floating-type silt curtains). The duration will be subject to various conditions, e.g. weather or angle of observation. The works can only commence after confirming that the surrounding waters of the localized silt curtains do not contain any marine mammal. Thereafter, frontline staff, i.e. foremen, site agent, superintendents and engineers will assist our MMO in implementing the plan from the active work fronts within the waters surrounded by the silt curtains throughout the work period. The MMO will conduct regular check to observe the presence of any marine mammal around the localized silt curtain or being trapped by the localized silt curtain daily. The MMOs will also check if the localized silt curtains are in correct positions.
- 6.3.2.5 The MMO shall fill up our Marine Mammal Sighting Record Sheet. After inspection, those records should be kept properly and submitted to the project team. In case there is any marine mammal being found, the MMO should carry out the response actions and communicate with relevant parties to stop and then resume work after the discovered marine mammal leaves. After lifting up and mobilization of silt curtain, the MMO will repeat the procedures of regular and visual inspection until the end of the construction works.
- 6.3.2.6 Each lookout point will have an unobstructed view to waters around the DL and FB. The MMO will move around the DL and FB to establish a clear and unobstructed view as much as they can without compromising the safety concern. When appropriate, the lookout point can be replaced by a proper location if unobstructed view can be assured.

- 6.3.2.7 Installation of caisson No.19 was completed on 18 March 2021, which the reclamation area had been totally enclosed by permanent structure. Floating type silt curtain at marine access was removed on 18 March 2021. No enclosed area shall be formed by deployment of silt curtain for the remaining works programme.
- 6.4 Results and Observations
- 6.4.1 Vessel-based Line-transect Survey
- 6.4.1.1 As confirmed with Contractor and Project Supervising Officer, no marine construction work will be carried out from March to December 2023 tentatively. An updated EM&A arrangement to propose the temporary suspension of line transect monitoring from March to December 2023 was submitted to EPD on 21 March 2023 and EPD had no comment on the updated EM&A arrangement on 29 March 2023. The line transect monitoring was then temporarily suspended from 30 March 2023 onward.
- 6.4.2 PAM and Land-based Theodolite Tracking
- 6.4.2.1 30 days of PAM surveys were started on 1 May 2019 and completed in the end of May 2019. Multiple PAM systems were deployed at three sites. The PAM system located at the IWMF was lost, however, an alternative data set had been identified. The PAM systems at the two control sites Tai A Chau and Pui O were recovered on 3 August 2019. A summary of marine mammal detections showed that porpoise were recorded every day of deployment at each site, but at varying frequencies. The detailed theodolite result was presented in 17<sup>th</sup> Monthly EM&A report (November 2019) while detailed PAM result was presented in 18<sup>th</sup> Monthly EM&A report (December 2019).
- For the baseline study, the Detection Positive Minutes (DPM) for each site was 6.4.2.2 11,160 (Shek Kwu Chau), 16,089 (Tai A Chau) and 3645 (Pui O Wan), totalling 30,894 DPM across all three sites, compared to DPMs of 4740 (Shek Kwu Chau), 7725 (Tai A Chau) and 23,986 (Pui O Wan), totalling 36,451 DPM, for the impact phase study. As the impact phase study was longer than the baseline study, it is not appropriate to directly compare total counts of DPM. However, the DPM rate (the average number of detections per day) for each site can be more directly compared. During the baseline study, Shek Kwu Chau averaged 338.2 DPM per day compared with 124.8 DPM per day during the impact phase study. This showed a decrease in the daily average of porpoise detection at Shek Kwu Chau. During the baseline study, Tai A Chau averaged 487.6 DPM per day compared with 179.7 DPM per day, during the impact phase study. This showed a decrease in the daily average of porpoise detection at Tai A Chau. During the baseline study, Pui O Wan averaged 98.5 DPM per day compared with 557.8 DPM per day during the impact phase study. This showed a significant increase in the daily average of porpoise detections at Pui O Wan.
- 6.4.2.3 Overall, the PAM study showed that porpoise continue to consistently utilise the Shek Kwu Chau habitat immediately adjacent to the IWMF construction activities, although to a lesser degree than that prior to construction activities. In addition, the Pui O Wan site, which is 2.5 km away from the IWMF construction area, was also consistently utilised during the impact phase PAM study. A continued assessment of fine scale habitat use, particularly through PAM which yielded large quantities of data, would allow a more comprehensive assessment of the EIA predictions.

- 6.4.2.4 Theodolite surveys were completed in May 2019. In total, 34 days of theodolite tracking were completed between February and May 2019, comprising 167 hours and 49 minutes of observation. No Chinese white dolphin was observed and only one finless was recorded. The finless porpoise encounter rate was calculated as 0.006 finless porpoise per hour, in all weather conditions.
- 6.4.2.5 A total of 2620 vessels of ten different types were observed and tracked within or in the proximity of the IWMF construction site. These comprised fishing boats (236), speed boats (29), container boats (155), government boats (22), high speed ferries (53), others (13) and IWMF-Related construction platforms (974), tug boats (240), transportation boats (363), construction boats (531) and approximately 8 buoys were present marking the site boundary.
- 6.4.2.6 The baseline theodolite tracking was conducted immediately prior to and during the site preparation activities of the site. The baseline data records a decrease in porpoise sightings as site preparation activities commenced and notes that the decrease was most likely due to the onset of site preparation activities. The impact theodolite tracking conducted for this study records a marked increase in the number of Project related vessels and platforms and, in agreement with baseline conclusions, shows a concomitant decrease in finless porpoise sightings.
- 6.4.3 Specific Mitigation Measures
- 6.4.3.1 Trainings for the MMO were provided by the ET prior to the monitoring of the Marine Mammal Exclusion Zone (MMEZ) for installation/ re-installation/ relocation process of silt curtains, with a cumulative total of 98 individuals being trained and the training records kept by the ET.

# 7. WHITE-BELLIED SEA EAGLE

- 7.1 Monitoring Requirement
- 7.1.1 On Shek Kwu Chau Island, a nest of WBSE is located about 60 m above ground within a hillside shrubland habitat, 130 m in-land from shore, about 550 m away from the proposed reclaimed land, with no human access. 3 phases monitoring programme will be comprised of pre-construction phase, construction phase and operation phase.
- 7.1.2 The Pre-Construction WBSE monitoring was started on 30 January 2018 and the location of WBSE nest was confirmed on 21 February 2018 and it is located at the western part of SKC Island (**Figure 7.1**). Two adults and two chicks were also recorded on 5 March 2018 survey till the end of the Pre-construction monitoring on 15 May 2018. Construction Phase monitoring were carried out followed by the commencement of the Construction Phase on 28 June 2018.
- 7.2 WBSE Monitoring Parameters, Time, Frequency
- 7.2.1 The objective of the construction phase monitoring should be to verify the utilisation of the area by WBSE, their responses to construction disturbance, as well as the effectiveness of the proposed mitigation measures. Throughout the construction phase, field surveys should be conducted twice per month during their core breeding season (from December to May), and once per month outside their core breeding season (from June to November). The monitoring frequency should be increased to weekly during the incubation period of each year. In order to confirm their foraging ground near the construction site, it is necessary to conduct daily monitoring during the first week of nestling period in each year.
- 7.2.2 Since the location of the WBSE nest was located at the southwest of SKC within the hillside shrubland, it is impossible to observe the eggs during incubation period. Therefore, monitoring with increased frequency during incubation period will be continued until chick was seen in the nest. Daily monitoring of 7-day consecutive monitoring will be carried out once any chick is recorded during the monitoring day. The monitoring schedule during the reporting period is provided in **Appendix C**.
- 7.3 Monitoring Location
- 7.3.1 Since there are no suitable land footings along the coast of SKC, only boat surveys were conducted. On Shek Kwu Chau Island, a nest of WBSE is located about 60 m above ground within a hillside shrubland habitat, 130 m in-land from shore, about 550 m away from the proposed reclaimed land, with no human access.
- 7.4 Monitoring Methodology
- 7.4.1 Information to be collected included feeding, perching/roosting, preening, soaring, flying, nesting and territorial guarding and the time spent on each activity. The responses and reactions to any disturbance to the WBSEs were also recorded and examined in conjunction with the construction noise and/or other events in the vicinity. Other disturbances such as weather condition, or invasion by other fauna species were also recorded.
- 7.4.2 Binocular, scope, camera, lens and GPS device used are summarized as **Table 7.1** below:

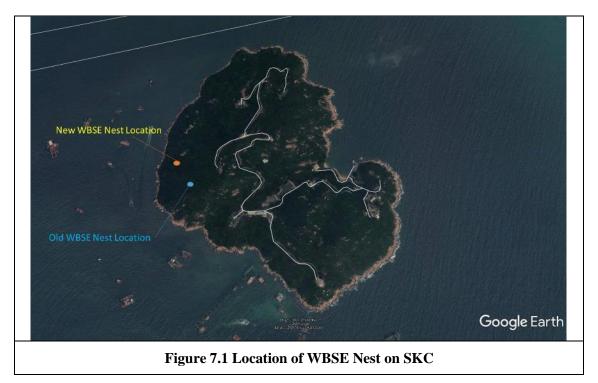
Equipment	Quantity
Swarovski EL 8.5 x 42 Binocular	1
Swarovski EL Range 8 x 42 Binocular	1
Swarovski ATX 25-60 x 85 Spotting Scope	1
Canon 1Dx Mark II Camera	1
Canon EF300mm F2.8 Lens with Canon 2x Teleconverter	1
Canon PowerShot G7X Camera	1
Garmin GPSMAP 64S	1

## Table 7.1 List of Equipment Used during Construction Phase Monitoring

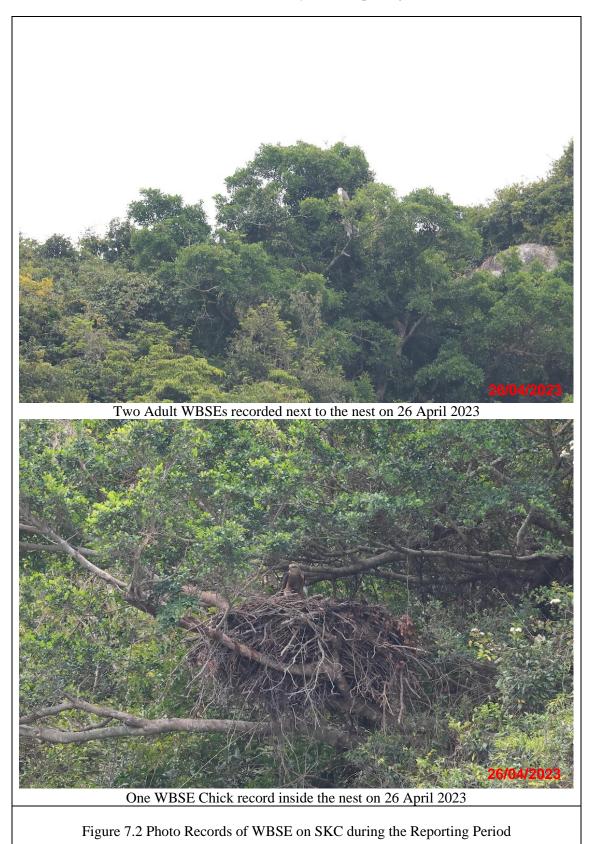
- 7.4.3 If event such as absence of White-bellied Sea Eagle during a whole day of monitoring was found during WBSE monitoring, the actions in accordance with the Event and Action Plan should be carried out according to **Appendix J.**
- 7.5 Results and Observations
- 7.5.1 To verify the utilization of the area by WBSE, their responses to construction disturbance, as well as the effectiveness of the proposed mitigation measures. Since there is no landing point long the western part of SKC, boat survey were used for the monitoring survey. The WBSE, monitoring survey was carried out in the morning. The weather condition of monitoring survey was shown in **Table 7.2**.

Date	Condition	Temperature (°C)
29 March 2023	<ul><li>Northeast wind force 3 to 4</li><li>Mainly cloudy</li></ul>	25
30 March 2023	<ul><li>Northeast wind force 3 to 4</li><li>Mainly cloudy with few rain patches</li></ul>	24
31 March 2023	<ul><li>East wind force 4 to 5</li><li>Sunny day</li></ul>	22
1 April 2023	<ul><li>Northeast wind force 4 to 5</li><li>Sunny day</li></ul>	25
2 April 2023	- North wind force 4 Sunny Day	23
3 April 2023	<ul><li>Northeast wind force 4 to 5</li><li>Mainly cloudy</li></ul>	24
4 April 2023	<ul><li>Northeast wind force 3 to 4</li><li>Mainly cloudy</li></ul>	26
12 April 2023	<ul><li>North wind force 4 to 5</li><li>Sunny Day</li></ul>	26
26 April 2023	<ul> <li>Northeast wind force 3 to 4</li> <li>Mainly cloudy with one or two rain patches</li> </ul>	27

- 7.5.2 7-day consecutive monitoring was conducted from 29 March 2023 to 4 April 2023 and the April 2023 construction phase monitoring were conducted on 12 and 26 April 2023. During the whole monitoring survey period, the two adult WBSEs and one chick were recorded. No abnormal behaviour of the recorded for both adults and chick during the 7-day consecutive monitoring and April 2023 construction phase monitoring.
- 7.5.3 The juvenile recorded in 2022 has not been observed since monitoring event in September 2022, it is suggested that the juvenile left the nest at SKC and nesting in other area outside our monitoring boundary.
- 7.5.4 All marine works during the monitoring period did not show any effect to the WBSE.
- 7.5.5 Any disturbances from anthropogenic activities on the island were not recorded during the monitoring survey. However, there were fishing boats moving close the shore were recorded. Since the nesting tree is about 160m away from the shore and it is not accessible, fishing boat activities didn't show any direct disturbance to the WBSE nest. No invasion of other fauna species was recorded.
- 7.5.6 There was no sign of using the construction site as a foraging ground.
- 7.5.7 A twice per month construction phase monitoring will be continued in May 2023 during the breeding season (between December to May) in order to monitor the incubation period, utilization of the area by WBSE and their responses to construction disturbance.



## 7.5.8 Photo record of WBSE from the survey in this reporting month is shown below:



# 8. SUMMARY OF MONITORING EXCEEDANCE, COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS

8.1 The Environmental Complaint Handling Procedure is shown in **Figure 8.1**.

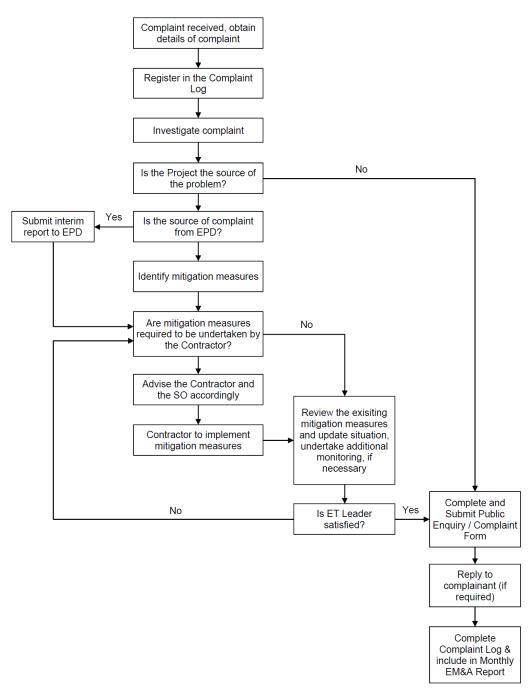


Figure 8.1 Environmental Complaint Handling Procedures

- 8.2 No exceedance of the Action and Limit Levels of the regular WBSE monitoring and noise monitoring was recorded during the reporting period as shown in **Appendix K**.
- 8.3 No notification of summons and prosecution was received in the reporting period.
- 8.4 Statistics on complaints, notifications of summons and successful prosecutions are summarized in **Appendix L**.

# 9. EM&A SITE INSPECTION

9.1 Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting period, site inspections were carried out on 04, 11, 18 and 25 April 2023 at the site portions listed in **Table 9.1** below.

Table 9.1 Site Inspection Rec
-------------------------------

Date	Inspected Site Portion	Time
04 April 2023	Portion 1, 1A & 1B (near SKC)	10:30 AM – 11:20 AM
11 April 2023	Portion 1, 1A & 1B (near SKC)	10:30 AM – 11:20 AM
18 April 2023	Portion 1, 1A & 1B (near SKC)	10:30 AM – 11:30 AM
25 April 2023	Portion 1, 1A & 1B (near SKC)	10:30 AM - 11:20 AM

- 9.2 One joint site inspection with IEC was carried out on 18 April 2023.
- 9.3 Environmental deficiencies were observed during weekly site inspection. Key observations during the site inspections of the reporting period are summarized in **Table 9.2**.

## Table 9.2 Site Observations

Date	Environmental Observations	Follow-up Status
04 April 2023 (Site inspection)	<ul> <li><u>Observation(s) and Recommendation(s)</u></li> <li>1. Near site office, empty oil drum should be stored at designated place for recycling.</li> <li>2. Proper access should be provided to chemical waste cabinet.</li> </ul>	<ol> <li>Near site office, all empty oil drum had been stored at drip tray.</li> <li>Proper access had been provided to chemical waste cabinet.</li> </ol>
11 April 2023 (Site inspection)	Observation(s) and Recommendation(s)           1. At work are of 順寶 and storage area of JV, general housekeeping should be maintained, general waste should be stored inside enclosed rubbish bin. Stagnant water on ground and inside the empty oil drum should be removed.	1. At work are of 順寶 and storage area of JV, general housekeeping had been maintained as all general waste had been stored inside enclosed rubbish bin. Stagnant water on ground and inside the empty oil drum had been removed.
18 April 2023 (Site inspection)	<ul> <li>Observation(s) and Recommendation(s)</li> <li>1. At vertical seawall A8, geotextile should be well deployed.</li> <li>2. At work area of 華航, empty oil drum should be stored at designated area for recycling.</li> <li>3. Near JV site office, chemical should be stored inside drip tray.</li> </ul>	<ol> <li>At vertical seawall A8, geotextile had been well deployed.</li> <li>At work area of 華航, empty oil drum had been stored at designated area for recycling.</li> <li>Near JV site office, chemical had been stored inside drip tray.</li> </ol>

Date	Environmental Observations	Follow-up Status
25 April 2023 (Site inspection)	<ul> <li><u>Observation(s) and Recommendation(s)</u></li> <li>1. Oil stain was observed at haul road between caisson 23 and 24.</li> </ul>	<ol> <li>Oil stain had been removed from haul road between caisson 23 and 24 and treated as chemical waste.</li> </ol>
	2. Fuel drum should be placed in a drip tray.	2. Fuel drum had been placed in a drip tray.

- 9.4 The Contractor had rectified all the observations identified during environmental site inspections in the reporting period.
- 9.5 According to the EIA Study Report, Environmental Permit, contract documents and Updated EM&A Manual, the mitigation measures detailed in the documents are implemented as much as practical during the reporting period. An updated Implementation Status of Environmental Mitigation Measures (EMIS) is provided in **Appendix B**.

## **10. FUTURE KEY ISSUES**

- 10.1 Works to be undertaken in the next reporting month are:
  - Reclamation Area:
    - Installation of Instrumentation
    - Site Investigation works for foundation
    - Foundation works (including Driven H Pile and Socketed H Pile)
    - Pile cap construction
    - Structural steel work
  - Seawall Portion:
    - Caisson extension works, from +3mPD to +6mPD, at Seawall A and B
    - Construction of wave wall along the vertical seawall
- 10.2 Potential environmental impacts arising from the above construction activities are mainly associated with construction noise, waste management and ecology.
- 10.3 The key environmental mitigation measures for the Project in the coming reporting period expected to be associated with the construction activities include:
  - Reduction of noise from equipment and machinery on-site;
  - Sorting, recycling, storage and disposal of general refuse and construction waste;
  - Management of chemicals and avoidance of oil spillage on-site, especially under heavy rains and adverse weather;
  - Dust control of exposed soil surface and stockpile of dusty material at reclaimed area;
  - Dust suppression measures for exposed earth surface and stockpile of dusty material;
  - Site runoff control measure during construction works; and
  - Dust and noise control of foundation works.
- 10.4 The tentative schedule of regular construction noise and ecology monitoring in the next reporting period is presented in **Appendix M**. The regular construction noise and ecology monitoring will be conducted at the same monitoring locations in the next reporting period.

## **11. CONCLUSION AND RECOMMENDATIONS**

- 11.1 This 58<sup>th</sup> monthly Environmental Monitoring and Audit (EM&A) Report presents the EM&A works undertaken during the period from 1 April to 30 April 2023, in accordance with the Updated EM&A Manual and the requirement under EP-429/2012/A and FEP-01/429/2012/A.
- 11.2 Construction noise, construction waste and WBSE monitoring were carried out in the reporting period. No project-related exceedance of the Action and Limit Level was recorded from 1 April to 30 April 2023.
- 11.3 Weekly environmental site inspections were conducted during the reporting period. Environmental deficiencies were observed during site inspection and were rectified.
- 11.4 According to the environmental site inspections performed in the reporting month, the Contractor was reminded to pay attention on the proper storage of the chemicals for preventing accidental spillage of chemicals, proper deployment of geotextile for preventing site runoff and proper storage of general waste to maintain the site tidiness.
- 11.5 No environmental complaint was received in the reporting period.
- 11.6 No notification of summon or prosecution was received since commencement of the Contract.
- 11.7 The ET will keep track of the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Appendix A Master Programme

	Activity Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finish	Late Start	Late Finish	Total Float M64 Remarks	Mar	Apr
ogramme for Design a	and Construction Works WP6G-M64	3048	1198	22-Nov-17 A	10-Jul-26	30-Dec-22	10-Jul-26	0	64	65
ey Dates		3048	1025	22-Nov-17 A	27-Mar-26	19-Mar-23	06-Jan-26	-80		
Contractual Key Dates		2844	404				04-Sep-25	0		
Design and Construction 01-1000	Phase Contract Award/Date of Acceptance of Tender	2788 0	348 0			19-Mar-23 19-Mar-23	10-Jul-25	0		
01-1010	Date of Commencement of the Design and the Works	0	0			19-Mar-23				
01-1015(3)(M12)	Original Substantial Completion of the Works	0	0	0%	27-Jul-24*		27-Jul-24	0		// / /
01-1020	Extended Substantial Completion of The Works	0	0		10-Jul-25*		10-Jul-25	0		
Extension of Time Grante 01-1015-1(3)(M12)	d Extension of time granted (*Claim No.9 excluded)	348 348			10-Jul-25 10-Jul-25	27-Jul-24 27-Jul-24	10-Jul-25	0		 
Operation Phase		56			04-Sep-25	11-Jul-25	04-Sep-25	0		i 
01-1030	Commencement of Operation	0	0	0% 11-Jul-25		11-Jul-25		0		
01-1230	Issue Certificate of Completion of the Works (56 days after Substantial Completion)	0	0	272	04-Sep-25*		04-Sep-25	0		
Planned Completion D 01-1030(5a)	ates Grid Connection Agreement (GCA)	909 0	909 0		27-Mar-26 31-Oct-23*	30-Sep-23	06-Jan-26 30-Oct-23	-80 0		 
01-1030(5a) 01-1040	Incoming Power Energization to IWMF Substation	0	0		31-Oct-23 31-Oct-24		30-Oct-23	0		
01-1050	Export Power to Grid	0	0		31-Oct-24*		31-Oct-24	0		/
01-1060	Issuance of FS Certificate	0	0	0%	23-Jan-25		15-Jan-25	-8		
1-1070	Completion of Civil Provision for Transmission	0	0	272	30-Sep-23*	40.1	30-Sep-23	0		 
1-1080 1-1090	Commencement of C1.3.4.11 System Commissioning Test Completion of C1.3.4.11 System Commission Test	0	0	0% 06-Apr-25	22-Apr-25	16-Jan-25	01-Feb-25	-80		 
1-1100	Physical Completion of 90 Days Plant Commissioning Test Works	0	0		07-Sep-25		19-Jun-25	-80		 
1-1110(3)(M15)	Planned Substantial Completion of the Works	0	0	0%	28-Sep-25		10-Jul-25	-80		
1-1110-1(5a)	Completion of 180 Days for Installation, T&C of CCTV System and Onshore Power System at Portio	0	0	0%	27-Mar-26*		06-Jan-26	-80		
ates of Site Pocession 01-1120	Possession of Portion 1	2765 0	765 0		11-Jul-25 15-Dec-17 A	19-Mar-23	11-Jul-25 19-Mar-23	0		
)1-1130	Possession of Portion 1 Possession of Portion 1A	0	0		15-Dec-17 A		19-Mar-23			
1-1140	Possession of Portion 1B	0	0		15-Dec-17 A		19-Mar-23			
1-1150	Possession of Portion 2	0	0	0% 11-Jul-25		11-Jul-25		0		
-1160	Possession of Portion 3	0	0	272	06-Jun-23*		06-Jun-23	0		, , ,
1-1170	Possession of Portion 4	0	0		06-Jun-23*		06-Jun-23	0		
1-1180 1-1190	Possession of Portion 5 Possession of Portion 6	0	0		06-Jun-23*	16-Jan-25	06-Jun-23	88		; 
1-1200	Possession of Portion 7	0	0		05-Jan-18 A	10 0411 20	10-Jul-25			
1-1210	Possession of Portion 7A	0	0	100%	07-Dec-18 A		10-Jul-25			J
1-1210(5a)	Possession of Portion 8	0	0	100% 29-Apr-20 A		11-Jul-25				
01-1210-1(M55)	Possession of Portion 9	0	0		11 Cop 02	11-Jul-25	11 Sop 22	0		i 
ontract Preliminari		90	90	14-Jun-23	11-Sep-23		11-Sep-23	0		
Stabilishment of Envi 02-1030	ronmental Monitoring Stations Establishment of Air Quality Monitoring Station at Protion 3 (12m Prior to T&C)	90 90	90 90		11-Sep-23		11-Sep-23	0		
02-1040	Establishment of Air Quality Monitoring Station at Protion 4 (12m Prior to T&C)	90	90		11-Sep-23		11-Sep-23	0		
2-1050	Establishment of Air Quality Monitoring Station at Protion 5 (12m Prior to T&C)	90	90	0% 14-Jun-23	11-Sep-23	14-Jun-23	11-Sep-23	0		J
cence/Permit Appli	cations	1819	1198	07-Mar-19 A	10-Jul-26	01-Apr-23	10-Jul-26	0		
icense/Permit for Cor		1794	149		-	01-Apr-23		684		
)3-1080 )3-1360(2)	CNP for Percussive Piling Works CNP for 24Hrs	613 1634	36			02-Apr-24 12-Feb-25	07-May-24	368 684		{
3-1360(2) 3-1370_1(M34)	Landscape and Visual Plan	1634	149 82				21-Jun-23	1		4
G Licence		210	210		29-Nov-23		17-Dec-23	18		1 1 1
ay Tank & Fuel Oil Stora	ge (Cat 5)	210	210	03-May-23	29-Nov-23	22-May-23	17-Dec-23	18		J
03-1400	General Building Plans and FSI Provision Design Submission to FSD (Cat 5)	30	30	•	02-Jun-23		20-Jun-23	18		03
03-1410 re Services Installatio	DGD and VD Review and Approval of Submission	180 0	180 0	0% 02-Jun-23 03-May-23	29-Nov-23 03-May-23		17-Dec-23 05-May-23	18 2		1 1 1
ire Services Installations		0			03-May-23		05-May-23	2		1 1 1 1 1
03-1555-1(5a)	Approval of General Building Plans and FSI Provision Design Submission	0			03-May-23		05-May-23	2		· · · ·
r Pollution Control (S	Specified Processes) License	393	334	06-Jan-23 A	27-Feb-24	01-May-23	29-Feb-24	2		, , ,
3-1740(3)	Document preparation for SP License Application (upon consent of relevent DDA designs)	60	5				05-May-23	31		04-Apr-23, Document prep
3-1750(3) pilers and Pressure V	SP License Application Submissions and review by EPD	300 312	300 1198		27-Feb-24	06-May-23 06-Apr-23	29-Feb-24	2		03
3-1890(3)	Completion of Boiler off-site fabrication	180	30				05-May-23	6		۱ ۲
3-1900(3)	Completion of Boiler off-site inspection before delivery	60	60				10-Jul-26	0		
eneral Submission		1705	120	27-Nov-18 A	28-Jul-23	-	14-Jan-24	170		
ontractor's Plans Sub	mission and Approval	1705	120	27-Nov-18 A	28-Jul-23	13-Apr-23	14-Jan-24	170		1
04-1400(1)	Operation Plan (OP)	240	120			· ·	14-Jan-24	170		· · · · · · · · · · · · · · · · · · ·
04-1450(1)	Asset Management Plan (AMP) Handback Plan (HP)	120	120		28-Jul-23		10-Aug-23	13		<u>.</u>
04-1500(1)		120	120	0% 31-Mar-23	28-Jul-23	13-Apr-23	10-Aug-23	13	31-Mar-23	

ct No. El Facilitie	P/SP/66/12 s, Phase 1	環境保護署 Environmental Protection Department
	May	Jun
	66	67
		<ul> <li>Possession of Portion 3,</li> </ul>
		<ul> <li>Possession of Portion 4,</li> <li>Possession of Portion 5,</li> </ul>
		14-Jun-23
		14-Jun-23 14-Jun-23
05-Ma	ay-23, CNP for Percus	sive Piling Works, CNP for Percussive Piling
		20-Jun-23,
-23		
		lun-23
Approva	I of General Building F	Plans and FSI Provision Design Submission,
on for SP Licens	se Application (upon co	onsentofrelevent DDA designs), Document pre
	ompletion of Boiler off-	site fabrication, Completion of Boiler off-site fa

	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float M64 Remarks	Mar	Apr
sign Submissio	ns	1751	165		11-Jul-18 A	11-Sep-23	04-Mar-23	10-Jul-26	1033	64	65
eneral Building Pla	n	637	34		03-Mar-21 A	03-May-23	31-Mar-23	12-Sep-23	132		
4-1600(M42)	Process Building & Wastewater Treatment Plant	135	34		03-Jun-21 A	-	02-Apr-23	-			
-1610(M42) -1620(M42)	Turbin Hall Building Compressor & CCCW Building	135	34 34		03-Mar-21 A 03-Mar-21 A		02-Apr-23 02-Apr-23	-	2		
1630(M42)	Chimney	135	34		03-Mar-21 A	,	02-Apr-23 02-Apr-23		2		
-1640(M42)	Mechanical Treatment Plant & Water Treatment Plant	135	34	75%	03-Jun-21 A	-	02-Apr-23	-	2		1
-1650(M42)	Reception Pavilion	135	34		03-Jun-21 A		02-Apr-23	-	2		
-1660(M42)	Administration Building and Viewing Gallery	135	34		03-Jun-21 A	-	02-Apr-23		2		- - - 
-1670(M42) -1680(M42)	Elevated Drive Way and Associated Structures IW MF Substation	135	34 34		03-Mar-21 A 03-Mar-21 A		02-Apr-23 02-Apr-23	-	2		L 
-1690(M46)	ACC Equipment Structure	0	0		31-Mar-23	31-Mar-23	05-May-23		36	31-Mar-23	31-Mar-23, ACC Equipment Struc
-1730	Weighbridge	135	22	5%	22-Apr-22 A	21-Apr-23	22-Aug-23	12-Sep-23	144		21-A
1740	Seawater Intake Structure	60	3		23-Feb-23 A		31-Mar-23	·	0		Seawater Intake Structure, 02-
Design Package	Submissions Reclamation, Seawali, Breakwater, Berth (2.2)	1683 424	105 60		11-Jul-18 A 31-May-21 A	13-Jul-23	04-Mar-23 22-Jun-23		458 83		
5-2970	Onshore crane Facility (2.2.11)	90	3	5%	11-Apr-22 A		28-Jul-23		119		02-Apr-23, Onshore crane Fac
5-2980	Onshore vessel power supply system (2.2.12)	135	60		31-May-21 A		22-Jun-23		83		
Pincineration Plant	Buildings (2.3)	1608	60		04-Dec-18 A	29-May-23	30-Mar-23		450		
	ngs and Fire Saftey Strategy (2.3.00)	30	30		31-Mar-23	29-Apr-23	01-Jun-23		62		
5-1220 undation design (2	ACC Equipment Structure	30 135	30 0		31-Mar-23 30-Oct-20 A	29-Apr-23	01-Jun-23 02-May-23		62 33	31-Mar-23	L
5-3090	Reception Pavilion	135	0		30-Oct-20 A		02-May-23 02-May-23	-	33		   31-Mar-23, Reception Pavilion, F
ructural design (2.3	02)	135	60		01-Jun-21 A	29-May-23	05-Jan-24	04-Mar-24	280		1
5-3090-1(M55)	Sky Deck	135	60	55.56%	01-Jun-21 A		05-Jan-24		280		
	It System (2.3.03.04)	121	14	501	14-Feb-22 A		30-Mar-23		385		
15-2250 15-3840-1(M22)	Design of the Air Quality Monitoring Stations (2.9.01) Automatic Traffic Control System (ATCS) (2.10.06.12)	60 90	0 14		01-Jun-22 A 14-Feb-22 A		30-Mar-23 19-Apr-24		385		Design of the Air Quality Monitori 13-Apr-23, Au
	gn (excluding fire services installation design) (2.3.06)	405	60		04-Dec-18 A		06-May-23	-	450		13-Api-23, Au
5-1550	Electrical Services and Lighting	150	30		02-Jan-19 A		06-May-23		36		 [
-1560	MVAC (6 Packages)	105	60	25%	02-Jan-19 A	29-May-23	06-Jun-23	04-Aug-23	67		<u> </u>
5-1570	Odour Control	135	60		04-Dec-18 A		06-Jun-23	-	67		
5-1580	Plumbing (7 Packages)	210	60		31-Jan-19 A	-	13-Jan-24		288		
5-1590 5-1600	Drainage (7 Packages) ELV (7 Packages)	135	60 30		31-Jan-19A 28-Feb-19A	-	13-Jan-24 06-May-23		36		\ 
5-1770-1(M20)	Water Cannon System	135	30		31-Aug-19 A		23-Jul-24		480		
, ,	lation design (2.3.05)	270	2		-	03-May-23	09-Sep-23	-	130		
eception Pavilion (2		270	2		31-Oct-19 A		09-Sep-23	10-Sep-23	130		
5-5460(M22)	Fire Systems (2.3.05.06.01)	270	2		31-Oct-19 A		09-Sep-23		130		
05-5470-1(M22)	FS schematics (2.3.05.06.03) ent Plant Building (2.4)	135 242	2 60		31-Oct-19 A		09-Sep-23 31-Mar-23		130 318		
5-1670	Electrical and instrumentation works design (2.4.03)	30	30		31-Mar-23*		07-May-23		37	31-Mar-23*	
uilding services des	gn (excluding fire services installation design) (2.4.06)	212	60		11-Jul-18 A	29-May-23	31-Mar-23		318		
05-1700	LV and Emergency Power Distribution Design	135	60	5%	18-Jan-22 A	29-May-23	12-Feb-24	11-Apr-24	318		
05-1720	Odour Control	90	22		11-Jul-18A		31-Mar-23	•	0		Odd
5-1740 Wastewater Treatm	Drainage	90	0		10-Jan-21 A 31-Jan-19 A		22-Jul-23 23-Jul-23		114		I 31-Mar-23, Drainage, Drainage, 3
	ign (excluding fire services installation design) (2.5.06)	<u>1170</u> 1170	60 60		31-Jan-19A	-	23-Jul-23		288 288		
5-1830	LV and Emergency Power Distribution Design (2.5.06.01)	135	60		31-Jan-19 A		13-Jan-24		288		
5-1840	MVAC (2.5.06.02)	135	60	25%	31-Jan-19 A	29-May-23	23-Jul-23		114		
5-1850	Odour Control (2.5.06.03)	105	60		31-Dec-21 A		29-Jul-23				
5-1860 15-1870	Plumbing (2.5.06.04) Drainage (2.5.06.05)	135	60 60		31-Jan-19A 31-Jan-19A		21-Oct-23 06-Oct-23		189		L 
5-1880	ELV (2.5.06.06)	135	60		01-Feb-19A	-	15-Oct-23		198		
Water Treatment Pl		135	60		30-Apr-19A		13-Jul-23		318		
uilding services des	gn (excluding fire services installation design) (2.6.06)	135	60		30-Apr-19A	29-May-23	13-Jul-23	11-Apr-24	318		
05-1960	Electrical Services and Lighting (2.6.06.01)	135	60		30-Apr-19 A	-	12-Feb-24		318		
5-2000 PAdministration Bui	Drainage	135	10 90		20-Mar-22 A 31-Oct-19 A	· · ·	13-Jul-23 22-Mar-23		104		09-Apr-23, Drainag
-2050	Electrical and instrumentation works design (2.7.03)	90	90			28-Jun-23	18-Apr-23		18	31-Mar-23	
	gn (excluding fire services installation design) (2.7.05)	135	0		31-Oct-19 A		22-Mar-23		-8		J
5-2080	MVAC	135	0	65%	31-Oct-19 A	31-Mar-23	22-Mar-23	22-Mar-23	-8		MVAC, 31-Mar-23, 31-Mar-23, M
IWMF Substation (		180	15		31-Oct-19 A	-	04-Apr-23	· · ·	4		
5-2170	Electrical and instrumentation works design (2.8.03) (14 Packages)	180	15 60		31-Oct-19 A 20-Sep-21 A		04-Apr-23	· ·	4 254		14-Apr-23, E
P Chimney 5-7390	Fire services installation design	<u> </u>	60			29-May-23 29-May-23	13-Jun-23 13-Jun-23		74	31-Mar-23	· · · · · · · · · · · · · · · · · · ·
	The optimized instantiation acongn			0,0	01 1110 20	20 11.47 20					
<b>/Ionth Ro</b>	Iling Programme (March 2023)							Rema	ining Work	<ul> <li>Actual Mileston</li> </ul>	e
e 2 of 22	5 5 ( )							Actuo	l Work	<ul> <li>Critical Milestor</li> </ul>	20

29-May-23, Drainage (7 Packages), 29-Apr-23, ELV (7 Packages), ELV (7 Packages), 29-Apr-23 29-Apr-23, Water Cannon System, Water Cannon System, 29-Apr-23 03-May-23, Fire Systems (2.3.05.06.01), Fire Systems (2.3.05.06.01), 00 03-May-23, FS schematics (2.3.05.06.03), FS schematics (2.3.05.06.03) 29-Apr-23, Electrical and instrumentation works design (2.4.03) 29-Apr-23, Electrical and instrumentation works design (2.4.03) 29-May-23, LV and Emergency Power rol, 21-Apr-23, 21-Apr-23, Odour Control 23 29-May-23, LV and Emergency Power 29-May-23, UV and Emergency Power 29-May-23, Drainage (2.5.06.04), PI 29-May-23, Plumbing (2.5.06.05), Dra 29-May-23, ELV (2.5.06.06), ELV (2.5	3	最度保護署 Environmental Protection Departme
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<ul> <li>03-May-23, Turbin Hall Building, Turbin Hall Building, 03-May-23</li> <li>03-May-23, Compressor &amp; CCCW Building, Compressor &amp; CCCW Building, 03-May-23, Ohmerey, Chimney, 03-May-23</li> <li>03-May-23, Mechanical Treatment Plant &amp; Water Treatment Plant, Mech</li> <li>03-May-23, Reception Pavilion, Reception Pavilion, 03-May-23</li> <li>03-May-23, Reception Pavilion, Reception Pavilion, 03-May-23</li> <li>03-May-23, Elevated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, IEvated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, WMF Substation, WMF Substation, 03-May-23</li> <li>Weighbridge, 21-Apr-23</li> <li>02-Apr-23, Seawater Intake Structure</li> <li>29-May-23, Onshore vessel power su</li> <li>29-May-23, Conshore vessel power su</li> <li>29-May-23, Sky Deck, Sky Deck, 29-</li> <li>29-May-23, Sky Deck, Sky Deck, 29-</li> <li>pravilion, 31-Mar-23</li> <li>29-May-23, Sky Deck, Sky Deck, 29-</li> <li>pravilion, 31-Mar-23, 31-Mar-23, Design of the Air Quality Monitoring Stating for Control System (ATCS) (2.10.06.12), Automatic Traffic Control System</li> <li>29-May-23, Drainage (7 Packages), Mi 29-May-23, Drainage (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Elevtrical Services and Lighting, 29-May-23, Drainage (7 Packages), 29-May-23, Elevtrical and instrumentation works design (2.4.03)</li> <li>29-May-23, Elevtrical and instrumentation works design (2.4.03)</li> <li>29-May-23, LV and Emergency Power (2)-May-23, Colour Control (2.5.06.03)</li> <li>29-May-23, LV and Emergency Power (2)-Pary-23, Elevtrical and instrumentation works design (2.4.03)</li> <li>29-May-23, Elevtrical Services and 29-May-23, Colour Control 33</li> <li>29-May-23, Elevtrical Services and 29-May-23, LV and Emergency Power (2)-Pary-23, Elevtrical and instrumentation works design (2.4.03)</li> <li>29-May-23, Elevtrical</li></ul>	00	0/
<ul> <li>03-May-23, Turbin Hall Building, Turbin Hall Building, 03-May-23</li> <li>03-May-23, Compressor &amp; CCCW Building, Compressor &amp; CCCW Building, 03-May-23, Ohmerey, Chimney, 03-May-23</li> <li>03-May-23, Mechanical Treatment Plant &amp; Water Treatment Plant, Mech</li> <li>03-May-23, Reception Pavilion, Reception Pavilion, 03-May-23</li> <li>03-May-23, Reception Pavilion, Reception Pavilion, 03-May-23</li> <li>03-May-23, Elevated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, IEvated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, WMF Substation, WMF Substation, 03-May-23</li> <li>Weighbridge, 21-Apr-23</li> <li>02-Apr-23, Seawater Intake Structure</li> <li>29-May-23, Onshore vessel power su</li> <li>29-May-23, Conshore vessel power su</li> <li>29-May-23, Sky Deck, Sky Deck, 29-</li> <li>29-May-23, Sky Deck, Sky Deck, 29-</li> <li>pravilion, 31-Mar-23</li> <li>29-May-23, Sky Deck, Sky Deck, 29-</li> <li>pravilion, 31-Mar-23, 31-Mar-23, Design of the Air Quality Monitoring Stating for Control System (ATCS) (2.10.06.12), Automatic Traffic Control System</li> <li>29-May-23, Drainage (7 Packages), Mi 29-May-23, Drainage (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Elevtrical Services and Lighting, 29-May-23, Drainage (7 Packages), 29-May-23, Elevtrical and instrumentation works design (2.4.03)</li> <li>29-May-23, Elevtrical and instrumentation works design (2.4.03)</li> <li>29-May-23, LV and Emergency Power (2)-May-23, Colour Control (2.5.06.03)</li> <li>29-May-23, LV and Emergency Power (2)-Pary-23, Elevtrical and instrumentation works design (2.4.03)</li> <li>29-May-23, Elevtrical Services and 29-May-23, Colour Control 33</li> <li>29-May-23, Elevtrical Services and 29-May-23, LV and Emergency Power (2)-Pary-23, Elevtrical and instrumentation works design (2.4.03)</li> <li>29-May-23, Elevtrical</li></ul>		
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<ul> <li>03-May-23, Chimney, Chimney, 03-May-23</li> <li>03-May-23, Reception Pavilion, Reception Pavilion, 03-May-23, Reception Pavilion, Reception Pavilion, 03-May-23, Chimnistration</li> <li>03-May-23, Elevated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, Elevated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, Elevated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, Elevated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, Beenated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, Beenated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, Seawater Intake Structure</li> <li>29-May-23, Onshore vessel power su</li> <li>29-May-23, Conshore vessel power su</li> <li>29-May-23, Sky Deck, Sky Deck, 29</li> <li>29-May-23, Cour Control System</li> <li>29-May-23, Odour Control System</li> <li>29-May-23, Odour Control, Odour Control System (ATCS) (2.10.06.12), Automatic Traffic Control System</li> <li>29-May-23, Plumbing (7 Packages), 29-May-23, Odour Control, Odour Control, 29-May-23, Plumbing (7 Packages), 29-May-23, Elevational and instrumentation works design (2.4.03)</li> <li>29-May-23, Elevatical and instrumentation works design (2.4.03)</li> <li>29-May-23, Liv and Emergency Powe 29-May-23, UV and Emergency Powe 29-May-23, Colour Control 23</li> <li>29-May-23, Colour Control 23</li> <li>29-May-23, Colour Control 24</li> <li>29-May-23, Colour Control (2.5.06.02), MXAC (2.5.06.02), MX</li></ul>		
<ul> <li>03-May-23, Reception Pavilion, Reception Pavilion, 03-May-23</li> <li>03-May-23, Administration Building and Viewing Gallery, Administration</li> <li>03-May-23, Elevated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, IWMF Substation, IWMF Substation, 03-May-23</li> <li>Veighbridge, Weighbridge, 21-Apr-23</li> <li>02-Apr-23, Seawater Intake Structure</li> <li>29-May-23, Onshore vessel power su</li> <li>29-May-23, Conshore vessel power su</li> <li>29-May-23, Sky Deck, Sky Deck, 29</li> <li>29-May-23, Sky Deck, Sky Deck, 29</li> <li>res (2.9.01), 31-Mar-23, 31-Mar-23, Design of the Air Quality Monitoring Statilitic Control System (ATCS) (2.10.06.12), Automatic Traffic Control System</li> <li>9-Apr-23, Electrical Services and Lighting, Electrical Services and Lighting, 29-May-23, Drainage (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Water Cannon System, Water Cannon System, 23-Obs. 20.06.03)</li> <li>9-Apr-23, Fire Systems (2.3.05.06.01), Fire Systems (2.3.05.06.03)</li> <li>9-Apr-23, Fire Systems (2.3.05.06.01), Fire Systems (2.3.05.06.03)</li> <li>9-Apr-23, Electrical and instrumentation works design (2.4.03)</li> <li>29-May-23, LV and Emergency Powe 29-May-23, Clv and Emergency Powe 29-May-23, Electrical Services and Lighting 29-May-23, LV and Emergency Powe 29-May-23, Electrical Services and 29-May-2</li></ul>		· · · · · · · · · · · · · · · · · · ·
<ul> <li>03-May-23, Administration Building and Viewing Gallery, Administration</li> <li>03-May-23, Elevated Drive Way and Associated Structures, Elevated Dri</li> <li>03-May-23, IWMF Substation, IWMF Substation, 03-May-23</li> <li>Weighbridge, Weighbridge, 21-Apr-23</li> <li>02-Apr-23, Seawater Intake Structure</li> <li>211), Onshore crane Facility (2.2.11), 02-Apr-23</li> <li>29-May-23, Onshore vessel power su</li> <li>29-May-23, Conshore vessel power su</li> <li>29-May-23, Sky Deck, Sky Deck, 29</li> <li>res (2.9.01), 31-Mar-23, 31-Mar-23, Design of the Air Quality Monitoring Statistication (ATCS) (2.10.06.12), Automatic Traffic Control System</li> <li>9-Apr-23, Electrical Services and Lighting, Electrical Services and Lighting, 29-May-23, Odour Control, Octour Co.</li> <li>29-May-23, Drainage (7 Packages), M2</li> <li>29-May-23, Drainage (7 Packages), 29-May-23, Pumbing (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Pumbing (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Electrical and instrumentation works design (2.4.03)</li> <li>9-Apr-23, Electrical and instrumentation works design (2.4.03)</li> <li>29-May-23, LV and Emergency Powe 29-May-23, LV and Emergency Powe 29-May-23, Clour Control 2, 506.05), Drainage (2.5.06.05), Drai</li></ul>	03-May-23, Mechanical Treatment	Plant & Water Treatment Plant, Mechar
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<ul> <li>O3-May-23, IWMF Substation, IWMF Substation, 03-May-23</li> <li>Weighbridge, Weighbridge, 21-Apr-23</li> <li>O2-Apr-23, Seawater Intake Structure</li> <li>211), Onshore crane Facility (2.2.11), 02-Apr-23</li> <li>29-May-23, Onshore vessel power st</li> <li>29-May-23, Onshore vessel power st</li> <li>Pavilion, 31-Mar-23</li> <li>29-May-23, Sky Deck, Sky Deck, 29</li> <li>Pavilion, 31-Mar-23, 31-Mar-23, Design of the Air Quality Monitoring Statilitraftic Control System (ATCS) (2.10.06.12), Automatic Traffic Control System</li> <li>9-Apr-23, Electrical Services and Lighting, Electrical Services and Lighting, 29-May-23, Oddur Control, Odour Control, 29-May-23, Oddur Control, Odour Control, 29-May-23, Drainage (7 Packages), 29-May-23, Plumbing (7 Packages), 29-May-23, Drainage (7 Packages), 29-May-23, Water Cannon System, 29-Apr-23</li> <li>9-Apr-23, Electrical and instrumentation works design (2.4.03)</li> <li>29-May-23, LV and Emergency Power (29-May-23, UV and Emergency Power (29-May-23, NVAC (2.5.06.02), MVAC (2.5.06.03), Distribution (29-May-23, Colour Control (2.5.06.03), 29-May-23, LV and Emergency Power (29-May-23, LV (2.5.06.06), Distribution (25-May-23, Plumbing (2.5.06.05), Distribution (25-May-23, Plumbing (2.5.06.05), Distribution (25-May-23, Electrical Services and L9-May-23, LV and Emergency Power (29-May-23, Drainage (2.5.06.05), Distribution (2.5</li></ul>		
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29-May-23, MVAC (2.5.06.02), MVAC 29-May-23, Odour Control (2.5.06.03) 29-May-23, Plumbing (2.5.06.04), Pl 29-May-23, Drainage (2.5.06.05), Dra 29-May-23, ELV (2.5.06.06), ELV (2.5 29-May-23, ELV (2.5.06.06), ELV (2.5 29-May-23, Electrical Services and I	3	
29-May-23, MVAC (2.5.06.02), MVAC 29-May-23, Odour Control (2.5.06.03) 29-May-23, Plumbing (2.5.06.04), Pl 29-May-23, Drainage (2.5.06.05), Dra 29-May-23, ELV (2.5.06.06), ELV (2.5 29-May-23, ELV (2.5.06.06), ELV (2.5 29-May-23, Electrical Services and I		
29-May-23, Odour Control (2.5.06.03 29-May-23, Plumbing (2.5.06.04), Pl 29-May-23, Drainage (2.5.06.05), Dra 29-May-23, ELV (2.5.06.06), ELV (2.5 29-May-23, ELV (2.5.06.06), ELV (2.5 29-May-23, Electrical Services and I		29-May-23, LV and Emergency Power
29-May-23, Plumbing (2.5.06.04), Pl 29-May-23, Drainage (2.5.06.05), Dr 29-May-23, ELV (2.5.06.06), ELV (2. 29-May-23, ELV (2.5.06.06), ELV (2. 29-May-23, Electrical Services and I		29-May-23, MVAC (2.5.06.02), MVAC
29-May-23, Drainage (2.5.06.05), Drainage (2.5.06.05), Drainage (2.5.06.06), ELV (2.5.06), ELV (2.5.06)		
29-May-23, ELV (2.5.06.06), ELV (2.5.06), ELV (2.5.		
29-May-23, Electrical Services and I		29-May-23, ELV (2.5.06.06), ELV (2.5.
gy, ov ny - 20	ae 09-Apr-23	29-May-23, Electrical Services and Lig
	yo, və-npi-20	
and instrumentation works design (2.8.03) (14 Packages), Electrical and ins		
and more anonation works design (2.0.00) (14 r'ackages), Electrical and Ins	and instrumentation works docion (2.5	R (14 Packages) Electrical and instru
29-May-23, Fire services installation	and instrumentation works design (2.8	3.03) (14 Packages), Electrical and instr

	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float M64 Remarks	Mar 64	Apr 65
Building services design	(excluding fire services installation design)	151	60		20-Sep-21 A	29-May-23	14-Sep-23	07-Feb-24	254	64	60
05-5430(5a)	Electrical Services and Lighting	90	60		20-Sep-21 A		10-Dec-23		254		
05-5440(5a) 05-5450(5a)	MVAC Plumbing	90 90	30 60		20-Sep-21 A 20-Sep-21 A		21-Sep-23 03-Dec-23		247		·
05-5460-1(5a)	Drainage	90	60		20-Sep-21 A		03-Dec-23		247		
05-5470(5a)	ELV	90	60		20-Sep-21 A		10-Dec-23		254		
05-5490(5a)	Building Management System (BMS)	90 105	0 30		27-Oct-21 A 31-Dec-21 A		14-Sep-23	14-Sep-23 14-Oct-23	168 168		31-Mar-23, Building Management
	d Associated Structures Foundation (excluding fire services installation design)	105	30		31-Dec-21 A		15-Sep-23		168		
05-7090	Electrical Services and Lighting	105	30	5%	31-Dec-21 A	29-Apr-23	15-Sep-23		168		
P Roads and Utilities (2.		941	60			29-May-23	04-Mar-23		234		
/ater supply system des 05-2360	gn on the Artificial Island (2.10.04) Water Tanks (2.10.04.05)	941 60	60 60		31-Oct-20 A 31-Mar-23	29-May-23 29-May-23		20-Sep-23 08-May-23	-21	31-Mar-23	<u>.</u>
05-2370-2(M24)	Building Services system for seawater intake (2.10.04.09)	105	60		31-Oct-20 A			20-Sep-23	114		 [
05-2370-3(5a)	Chemical scrubber system for odour control (2.10.04.10)	105	60		31-Oct-21 A		23-Jul-23	· · ·	114		
	tion and other utilities (2.10.06)	590	6		31-Jan-21 A	<u> </u>	04-Mar-23		288		1 01 Mar 00 Dawar Diatribution C
)5-2380 )5-2430	Power Distribution System concept / schematics (2.10.06.01) Site ELV Network System - Navigation aids concept / schematics (2.10.06.06)	135 105	1		31-Jan-21 A 31-May-22 A		18-Jan-24 04-Mar-23		-27		Site ELV Network System
tility ducts/Pipebridges		455	60		01-May-21 A			19-Nov-23	174		
5-2460	Design of Pipe / Utilities Trenches concept (2.10.06.09.01)	105	60	5%	01-May-21 A	29-May-23	21-Sep-23	19-Nov-23	174		
05-2470	Sitewide Utilities Trenches Design (2.10.06.09.02)	105	60		01-May-21 A		21-Sep-23		174		(
Layout Plan for Pipe Bri 05-6010	dge Network Pipebridge B	60 60	30 30		31-May-22 A 31-May-22 A		-	16-Sep-23 16-Sep-23	140		<u>.</u>
05-6020	Pipebridge C	60	30		31-May-22 A			16-Sep-23	140		
PArchitectural, Finishes	s and Landscaping Works (2.11)	668	60		-	29-May-23	30-Nov-23	13-Oct-24	503		
xternal and internal finis		439	10		31-Oct-20 A		30-Nov-23		403		}
05-2570 05-2590	External and internal finishes design for MT Plant Building (2.11.02) External and internal finishes design for the Water Treatment Plant Building (2.11.04)	105 105	10 10		31-Oct-20 A 30-Sep-21 A	· ·	30-Nov-23 30-Nov-23		244		09-Apr-23, Externa
05-2590	External and internal finishes design for the Administration Building (2.11.04) External and internal finishes design for the Administration Building (2.11.05)	105	10		30-Sep-21 A 31-Oct-20 A		07-May-24		403		09-Apr-23, Externa
acade Structural Design		242	60		26-Aug-21 A		06-Mar-24	· · · ·	503		
05-8040-1(6D)	Reception Pavilion (2.3.14.07.01)	90	60	5%	05-Oct-21 A	29-May-23	15-Aug-24	13-Oct-24	503		
5-8050-1(6D)	Mechanical Treatment Plant & Desalination Plant Building (2.4.14.01)	90	60		08-Mar-22 A		27-Apr-24		393		
05-8060-1(6D) 05-8080-1(6D)	Adminstration Building and Viewing Gallery (2.7.12.01) Elevated Driveway and Associated Structures	90 91	60 30		07-Dec-21 A 26-Aug-21 A		22-Apr-24 06-Mar-24		388		
P Testing and Commissi		105	60		-	29-May-23		16-Oct-23	140		
5-2650-1(5)	Factory Acceptance Testing plan (2.12.01.02-07) (8 Packages)	105	60		23-Apr-19 A		18-Aug-23		140		
	es for the Operation (2.13)	105	0		30-Sep-20 A	-	_	09-May-23	40		1
5-2690 P Miscellaneous Works	Design of vehicles for MSW and Ash and Residues delivery (2.13.01)	105 105	0 105		30-Sep-20 A 31-Mar-23		09-May-23	09-May-23 23-Jul-23	40		31-Mar-23, Design of vehicles fo
15-2710	Design of process related CCTV and existing onshore crane replacement works at Portion 2 (2.14.0	105	105			13-Jul-23	10-Apr-23		10	31-Mar-23	<u>i</u>
IP Miscellaneous Detailir		90	90		25-May-22 A			12-Sep-23	76		
5-2740	Gatehouses (2.15.03)	90	90	5%	25-May-22 A	28-Jun-23	15-Jun-23	12-Sep-23	76		<b></b>
5-2750	Weighbridge office (2.15.04)	90	30		25-May-22 A		14-Aug-23		136		
I <mark>P Auxiliary Plant Systen</mark> 95-2760	K (2.16) Maintenance workshops (2.16.01)	90 90	90 90		31-Mar-23 31-Mar-23	28-Jun-23 28-Jun-23	20-May-23 20-May-23		<u>82</u> 50	31-Mar-23	
5-2770	Vehicle Fuel Filling Station (2.16.02)	90	90			28-Jun-23	21-Jun-23	-	82	31-Mar-23	<u>.</u>
P O&M Packages		258	50		06-Jun-22 A	19-May-23	20-Jan-24	09-Jul-24	417		
5-8010(6E)	W are house (O&M Scope)	185	0		04-Jul-22 A		20-Jan-24		296		31-Mar-23, Warehouse (O&M S
5-8030(6E) 5-8040(6E)	Ash & Residues Container (O&M Scope) Bicar Debagging Station (O&M Scope)	160 105	0 50		06-Jun-22 A 17-Nov-22 A		22-Jun-24 21-May-24		450		31-Mar-23, Ash & Residues Cor
A Design Package S		1751	165		05-Sep-18 A		04-Mar-23		1033		
DA Processand Layout		1078	137			14-Aug-23	11-May-23		432		
	lesign for incineration (2.1.13)	1078	137		22-Apr-20 A		05-Jun-24		432		
05-5090	Incineration System (2.1.13.01) (2 Packages)	105	0		22-Apr-20 A		19-Oct-24		569		31-Mar-23, Incineration System
05-5100 05-5120	Heat Recovery Boiler (2.1.13.02) (2 Packages) Leachate Collection and Treatment (2.1.13.05) (2 Packages)	105 256	0 137		23-Apr-20 A 30-Jun-22 A		19-Oct-24 05-Jun-24		569 432		¦ 31-Mar-23, Heat Recovery Boile
05-5140	Overall Plan Water Scheme (2.1.13.07)	105	1		29-Jan-21 A	-	19-Oct-24		568		0 31-Mar-23, Overall Plan Water
05-5150	Boiler Feed Water System (21.13.03) (2 Pack ages)	105	0	45%	23-Apr-20 A	31-Mar-23	19-Oct-24	19-Oct-24	569		31-Mar-23, Boiler Feed Water S
	lesign for mechanical treatment (2.1.14)	919	130		02-Oct-20 A			18-Sep-23	42		
05-3500 05-3510	Mechanical Treatment Plant (2.1.14) Water Treatment Plant and Boiler Water Treatment (Demin Unit) Plant	130 105	130 0		31-Mar-23* 02-Oct-20 A	07-Aug-23		18-Sep-23	42 42	31-Mar-23*	· · · · · · · · · · · · · · · · · · ·
	Power generation system (2.1.15)	105	60		30-Sep-21 A		11-May-23 02-Nov-23		216		I: 31-Mar-23, Water Treatment Pla
05-5240	Compressed Air Plants	105	60		30-Sep-21 A		02-Nov-23	<u> </u>	216		<u>.</u>
	ss design for incineration (2.1.16)	105	25		23-Apr-20 A	24-Apr-23	25-Sep-24	19-Oct-24			
05-4660	Flue Gas Treatment System (2 Packages)	105	0		23-Apr-20 A		19-Oct-24		569		31-Mar-23, Flue Gas Treatment
05-4980	Boiler ash and APC residue handling and solidification (2 Packages)	105	25	Q00/	30-Son-20 A	24-Apr-23	25-Sep-24	19-Oct-24	544		

Milestone

ct No. EP/SP/66/12 Facilities, Phase 1	最現保護署 Environmental Protaction Department
2023 May	Jun
66	67
29-Apr-23, MVAC, MVAC, 29-Apr-23	29-May-23, Electrical Services and Light
	<ul> <li>29-May-23, Plumbing, Plumbing, 29-May</li> <li>29-May-23, Drainage, Drainage, 29-May-2</li> </ul>
tem (BMS), Building Management Syst	29-May-23, ELV, ELV, 29-May-23 em (BMS), 31-Mar-23
29-Apr-23, Electrical Services and Li	ghting, Electrical Services and Lighting, 29-A
	<ul> <li>29-May-23, Water Tanks (2.10.04.05)</li> <li>29-May-23, Building Services system for</li> <li>29-May-23, Chemical scrubber system for</li> </ul>
	wer Distribution System concept / schematic 0.06.06), 05-Apr-23, 05-Apr-23, Site ELV Ne
	<ul> <li>29-May-23, Design of Pipe / Utilities Tren</li> <li>29-May-23, Sitewide Utilities Trenches D</li> </ul>
29-Apr-23, Pipebridge B, Pipebridge 29-Apr-23, Pipebridge C, Pipebridge	
nternal finishes design for the Water Tre	Iding (2.11.02), External and internal finishes eatment Plant Building (2.11.04), External and ration Building (2.11.05), External and interna
	<ul> <li>29-May-23, Reception Pavilion (2.3.14.07</li> <li>29-May-23, Mechanical Treatment Plant</li> <li>29-May-23, Adminstration Building and V</li> </ul>
29-Apr-23, Elevated Driveway and As	s ociated Structures, Elevated Drive way and A
	29-May-23, Factory Acceptance Testing p
W and Ash and Residues delivery (2.13.	01), Design of vehicles for MSW and Ash an
29-Apr-23, Weighbridge office (2.15.0	04), Weighbridge office (2.15.04), 29-Apr-23
Warehouse (O&M Scope), 31-Mar-23 (O&M Scope), Ash & Residues Contai 19-May-23	ner (O&M Scope), 31-Mar-23 3, Bicar Debagging Station (O&M Scope), Bio
3.01) (2 Packages), Incineration System 13.02) (2 Packages), Heat Recovery Bo	n (2.1.13.01) (2 Packages), 31-Mar-23 iler (2.1.13.02) (2 Packages), 31-Mar-23
n e (2.1.13.07), Overall Plan Water Scho n (2.1.13.03) (2 Pack ages), Boiler Feed	eme (2.1.13.07), 31-Mar-23 Water System (2.1.13.03) (2 Packages), 31-
d Boiler Water Treatment (Demin Unit) F	Plant, Water Treatment Plant and Boiler Wate
	29-May-23, Compressed Air Plants, Com
m (2 Packages), Flue Gas Treatment Sy pr-23, Boiler ash and APC residue hand	ystem (2 Packages), 31-Mar-23 dling and solidification (2 Packages), Boiler a

	Activity Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finish	Late Start	Late Finish	Total Float M64 Remark	s Mar 64	Apr
	ign for MSW and Ash and Residues (21.17)	105	0	25-Aug-21 A		26-Aug-23	ļ	196		~
05-4390 05-4410	Weighbridge Systems	105	0	5% 25-Aug-21 A 5% 25-Sep-21 A			12-Oct-23	196 149		31-Mar-23, Weighbridge Syste
	Mechanical Shredder eclamation, Seawall, Breakwater, Berth (2.2)	105 816	20			-	26-Aug-23	349		i 31-Mar-23, Mechanical Shredd
5-3430-2(M37)	Geotechnical Interpretative Report (2.2.02.02)	105	10	65% 31-Dec-20 A			28-Mar-24	354		09-Apr-23, Geoted
5-3450	Seawall design (2.2.20)	60	20	65% 20-Jan-19A	19-Apr-23	14-Mar-24	02-Apr-24	349		19-/
5-3470	Berth design (2.2.22)	60	20	65% 30-Jan-19A			02-Dec-23	227		19-A
A Incineration Plant Bu		1679	115			18-Mar-23		1083		
2.3.15.01	tion works design (2.3.15)	1645 105	105 62	05-Sep-18 A 05-Nov-21 A		31-Mar-23 16-Aug-23		1093 138		
05-3360	11kV/380V Power Transform ers Design (2.3.15.01)	105	62	80% 05-Nov-21 A	-	16-Aug-23		138		
E&IC Package 1 (Proces	s Island) (2.3.15.02)	378	39	22-Sep-20 A	08-May-23	27-May-23	10-Jun-26	1129		1
05-3370	Electric Heat Tracing (Process Island) (23.15.0210)	120	0	5% 17-Feb-22 A			10-Jun-26	1168		31-Mar-23, Electric Heat Traci
05-3390-10(M55)	Electrical Works - MCC Panels (2.3.15.02.01)	105	0	80% 22-Sep-20 A			05-Jan-24	281		31-Mar-23, Electrical Works -
05-3390-11(M55) 05-3390-13(M55)	Electrical Works - Process Island Uninterruptable Power Supply (UPS) (2.3.15.02.03) Electrical Works E&I Installation at Yard (2.3.15.02.08)	105 105	0	80% 27-Nov-20 A 25% 07-May-22 A		16-Oct-23	16-Oct-23 19-Dec-23	200 264		1; 31-Mar-23, Electrical Works -
05-3390-6(M55)	Electrical Works Extrinstantion (2.3.15.02.06)	105	0	80% 15-Oct-21 A			19-Dec-23	264		31-Mar-23, Electrical Works I
05-7400-1(M55)	Electrical works CEMS and Process Analysers (2.3.15.02.07)	105	39	5% 12-Jul-21 A		27-May-23		57		
E&IC Package 2 (Power I	sland) (2.3.15.03)	773	30	16-Sep-19 A	29-Apr-23	25-Apr-23	31-Dec-23	246		
05-3390-13(M55)10	Electrical Works Design (2.3.15.03.01 to 04)	105	30	80% 23-Dec-20 A	· ·		24-May-23	25		
05-3390-4(M46)	Generator Related Equipment (2.3.15.03.08)	105	0	80% 29-Jun-21 A		16-Oct-23		200		1; 31-Mar-23, Generator Related
05-3390-7(M55)	Instrumentation works design(2.3.15.03.05 & 2.3.15.03.06)	105	0	80% 10-Feb-21 A		20-Jul-23		112		31-Mar-23, Instrumentation wo
05-3390-1(M46)	CADA & PLC Control System (23.15.03.07) Hardware Design (2.3.15.03.07.01)	530 105	0	16-Sep-19 A 65% 16-Sep-19 A			31-Dec-23 31-Dec-23	276 276		31-Mar-23 Hardware Design (
05-3390-2(M46)	Software Design (2.3.15.03.07.02)	105	0	45% 30-Oct-21 A			24-May-23	55		31-Mar-23, Hardware Design (
Operation Management S		1645	105	05-Sep-18 A		-	31-Dec-23	171		
05-3390-6(M46)	OMS/SCADA/DCS - System Networks Details (2.3.15.04.02)	105	0	65% 30-Oct-21 A	31-Mar-23	01-Sep-23	01-Sep-23	155		31-Mar-23, OMS/SCADA/DCS
05-3390-7(M46)	Software Standard Component	105	60	5% 09-Dec-20 A			31-Dec-23	216		
05-4490	Design of the Air Quality Monitoring Stations (2.9.03)	60	45	25% 16-Mar-23 A			14-May-23	0	3 A, 16-Mar-23 A	
05-7400(6E) 2.3.15.04.03	Automatic License Plate and Container Recoginition System (ALPCRS)	105 410	16 105	45% 05-Sep-18 A 15-Dec-21 A	-		16-Nov-23 31-Dec-23	215 171		15-Apr-2
2.3.15.04.03		105	0	15-Dec-21 A			01-Sep-23	155		
05-3390-8(M46)	OMS/SCADA/DCS - OLM Panel Design for Power Island (2.3.15.04.03.01.02)	105	0				01-Sep-23	155		I 31-Mar-23, OMS/SCADA/DCS
2.3.15.04.03.02		105	105	02-Aug-22 A			31-Dec-23	171		
05-3390-13(M58)	OMS/SCADA/DCS - Panel Design for Power Island and Plant Commom (2.3.15.04.03.02)	105	105	80% 02-Aug-22 A	13-Jul-23	18-Sep-23	31-Dec-23	171		
2.3.15.04.03.03		105	0	19-Apr-22 A		31-Dec-23		276		
05-3390-14(M55)	OMS/SCADA/DCS - Server Panel Design (2.3.15.04.03.03)	105	0	80% 19-Apr-22 A			31-Dec-23	276		I 31-Mar-23, OMS/SCADA/DC
2.3.15.04.06 05-3390-9(6D)	Process Related 3rd Party System (2.3.15.04.06.01.01)	105 105	30 0	06-Oct-21 A 80% 09-Dec-21 A		01-Sep-23	01-Oct-23 01-Sep-23	155 155		31-Mar-23, Process Related 3
05-3420(M58)	3rd Party System for Power Island & Communication Data Tables for Process Vol 1 and Power Island	105	30	80% 06-Oct-21 A		02-Sep-23		155		
2.3.15.05		105	31			02-Jul-23		1167		
05-3390-15(M55)	Balance of Plant LV Switchgear Design (2.3.15.05.01)	105	0	80% 07-May-22 A	31-Mar-23	10-Jul-26	10-Jul-26	1198		31-Mar-23, Balance of Plant L
05-3390-16(M55)	Package 3 (Balance of Plant) - Weighbridge Electrical & Instrumentation Package & ALPCRS (23.	105	31	45% 04-Jan-22 A	30-Apr-23	10-Jun-26	10-Jul-26	1167		
05-3390-17(M55)	Waste Crane Functional Description (23.15.05.08)	105	0	80% 15-Jul-21 A			24-Sep-23	178		31-Mar-23, Waste Crane Fund
05-3390-3(M55)	Electrical and Instrumentation Works Design - Compressed Air Plants (2.3. 15.05.03)	105	0	80% 29-Nov-21 A		02-Jul-23		94		
05-3390-5(M55) 2.3.15.07	Electrical and Instrumentation Works - Ash Crane (2.3.15.05.05)	105 105	0 105	80% 30-Aug-21 A 27-Sep-21 A			24-Nov-23 31-Dec-23	239 171		I; 31-Mar-23, Electrical and Inst
05-3390-20(M55)	SCADA & PLC Control System - Software Design (2.3.15.07.02)	105	105	5% 27-Sep-21 A			31-Dec-23	171		
2.3.15.08		105	105	23-May-22 A			31-Dec-23	171		
05-3390-21(M55)	Operation Management System (2.3.15.08)	105	105	80% 23-May-22 A	13-Jul-23	18-Sep-23	31-Dec-23	171		
echanical works design	(2.3.16)	1323	115			18-Mar-23		1083		
Plant and Equipment		1323	115	28-Feb-19A		12-Aug-23		1083		
05-3390-4(M55) 05-3580	Electrical and Instrumentation Works - Waste Crane and Grapple System (2.3.15.05.04) Weighbridge Systems	105	0 62	70% 07-Jan-20 A		· · ·	24-Sep-23	178 134		31-Mar-23, Electrical and Inst
05-3610	Incineration System (9 Packages)	105 105	27	5% 30-Mar-22 A 5% 28-Feb-19 A	-	12-Aug-23 14-Jun-26		1171		
05-3620	Heat Recovery Boiler (8 Packages)	105	106	5% 31-Jul-19A		27-Mar-26		1092		
05-3630	Boiler Feed Water Systems (4 Packages)	105	10	45% 30-Sep-19 A	26-Apr-23	01-Jul-26	10-Jul-26	1171		
05-3790	Flue Gas Treatment System (12 Pack ages)	105	106	25% 31-Oct-19 A		27-Mar-26		1092		
05-3800	Boiler ash and APC residue handling and solidification	105	0	70% 09-Jun-20 A		10-Jul-26		1083		
05-3830	Compressed Air Plants	105	0	5% 31-Oct-20 A			17-Aug-23	140		I 31-Mar-23, Compressed Air F
Process Pipeworks (Incl. 05-3840	Ductworks) and Valves Process island (furnace-boiler-FGC)	562 105	106 106	29-Feb-20 A 5% 29-Feb-20 A		18-Mar-23 27-Mar-26		1092 1092		
05-3840	Process Island (furnace-boller-FGC) Pipe Rack C1, C2, C3, D1 & D2 (Prefab.3)	105	26	5% 29-Feb-20A 5% 28-Feb-21A			10-Jui-26 12-Apr-23	-13		
05-4360	Compressed Air Plant area	105	0	45% 31-May-21 A			07-Jun-23	69		31-Mar-23, Compressed Air I
05-4370	Pipebridge B (Between CCCW Area & Turbine Hall)	105	0	5% 28-Feb-21 A			12-Apr-23	13		31-Mar-23, Pipebridge B (Be
05-4380	Pipebridge C (Between Turbine Hall & ACC Equipment Yard)	105	0	5% 28-Feb-21 A	21 Mar 22	12-Apr-23	10 Apr 00	13		31-Mar-23, Pipebridge C (Bet

Critical Remaining Work

Milestone

ct No. EP/SP/66/12 Facilities, Phase 1	環境保護署 Environmental Protection Department
2023 May 66	Jun 67
eighbridge Systems, 31-Mar-23 chanical Shredder, 31-Mar-23	6/
Interpretative Report (2.2.02.02), Geote Seawall design (2.2.20), Seawall desig Berth design (2.2.22), Berth design (2.	gn (2.2.20), 19-Apr-23
	31-May-23, 11kV/380V Power Transfor
anels (2.3.15.02.01), Electrical Works is Island Uninterruptable Power Supply allation at Yard (2.3.15.02.08), Electric entation (2.3.15.02.06), Electrical Work	eat Tracing (Process Island) (2.3.15.02.10), 3 - MCC Panels (2.3.15.02.01), 31-Mar-23 ((UPS) (2.3.15.02.03), Electrical Works - Pro al Works E&I Installation at Yard (2.3.15.02.0 is Instrumentation (2.3.15.02.06), 31-Mar-23 orks CEMS and Process Analysers (2.3.15.02
tent (2.3.15.03.08), Generator Related I	(2.3.15.03.01 to 04), Electrical Works Design Equipment (2.3.15.03.08), 31-Mar-23 mentation works design(2.3.15.03.05 & 2.3.15.
03.07.01), Hardware Design (2.3.15.03. 3.07.02), Software Design (2.3.15.03.07	
	MS/SCADA/DCS - System Networks Details ( 29-May-23, Software Standard Compone ir Quality Monitoring Stations (2.9.03), 14 May-
	oginition System (ALPCRS), Automatic Licen
Panel Design for Power Island (2.3.15	.04.03.01.02), OMS/SCADA/DCS - OLM Pane
er Panel Design (2.3.15.04.03.03), OM	S/SCADA/DCS - Server Panel Design (2.3.15
	Related 3rd Party System (2.3.15.04.06.01.01 wer Island & Communication Data Tables for F
30-Apr-23, Package 3 (Balance of Description (2.3.15.05.08), Waste Crane ation Works Design - Compressed Air	of Plant LV Switchgear Design (2.3.15.05.01), Plant) - Weighbridge Electrical & Instrumenta B Functional Description (2.3.15.05.08), 31-Ma Plants (2.3.15.05.03), Electrical and Instrumer Electrical and Instrumentation Works - Ash (
ation Works - Waste Crane and Grappi	e System (2.3.15.05.0.4), Electrical and Instrum
5-Apr-23, Incineration System (9 Packa	31-May-23, Weighbridge Systems, We ages), Incineration System (9 Packages), 26-
6-Apr-23, Boiler Feed Water Systems	(4 Packages), Boiler Feed Water Systems (4
compressed Air Plants, 31-Mar-23	
a, Compressed Air Plant area, 31-Mar- CCW Area & Turbine Hall), Pipebridge	i), 25-Apr-23, 25-Apr-23, Pipe Rack C1, C2, C 23 B (Between CCCW Area & Turbine Hall), 31-1 pebridge C (Between Turbine Hall & ACC Equ

Keppel Seghers										Integrate	Contrac
古 官 五 格 新 一 紙 筆 用 KEPPEL SEGMERS - 2015 NULATOR Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float M64 Remarks	Integrated	d Waste Management
05-4950	Turbine Hall	105	0		31-May-21 A	21 Mar 22	20-Jul-23	20 101 22	112	64	65 1: 31-Mar-23. Turbine Hall. Turbine Hall. 3
05-4960	ACC Equipment Yard	105	0		31-May-21 A		14-Jul-23		106		31-Mar-23, ACC Equipment Yard, ACC
05-4970	CCCW Area	105	0	65%	31-May-21 A	31-Mar-23	12-Apr-23	12-Apr-23	13		31-Mar-23, CCCW Area, CCCW Area,
	upport (For eqipment, piping & duct, cable tray etc)	105	45		29-May-21 A	-		13-Sep-23	122		
05-3540	Pipe Rack C1, C2, C3, D1 & D2 (Prefab.3) Pipebridge B (Between CCCW Area & Turbine Hall)	105	45 0		29-May-21 A 29-May-21 A			09-Sep-23 13-Aug-23	118 136		, 31-Mar-23, Pipebridge B (Between CC
05-3570	Pipebridge C (Between Turbine Hall & ACC Equipment Yard)	105	0		10-Jun-21 A		-	13-Sep-23	167		31-Mar-23, Pipebridge C (Between Turl
Equipment and piping ins		135	90		31-Dec-21 A			19-Feb-24	236		
05-4550	Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PRDS)	105	0		30-Jan-22 A			13-Feb-24	320		31-Mar-23, Steam Turbin e Generator (S
05-4560	Air cooled condenser	105	0 60		31-Dec-21 A 31-Dec-21 A			19-Feb-24 30-Jan-24	326 216		31-Mar-23, Air cooled condenser, Air c
DDA Fire services installat	Closed Circuit Cooling Water System	60	60			02-Jul-23		11-Aug-23			
05-3660	Fire Systems	60	60		03-May-23	02-Jul-23		11-Aug-23	40		03-May-2
05-3680	FS schematics	60	60			02-Jul-23		11-Aug-23	40		03-May-2
Building services design ( 05-3690	excluding fire services installation design) (2.3.18) Electrical Services and Lighting (7 Packages)	90 60	90 60		31-Mar-23 30-Apr-23	28-Jun-23 28-Jun-23		10-Sep-23 03-Aug-23			30-Apr-23
05-3740	ELV (7 Packages)	60	60		30-Apr-23	28-Jun-23		03-Aug-23			30-Apr-23
05-3750	Lifts and Escalators	90	90		31-Mar-23	28-Jun-23		10-Sep-23		31-Mar-23	
	nd Fire Saftey Strategy (2.3.25)	667	60			29-May-23		30-Jul-23			
05-3290	Process Building & Wastewater Treatment Plant	60	30		13-Jun-22 A		· ·	01-May-23	2		
05-3300 05-3310	ACC Equipment Structure Turbine Hall Building	60 105	30 30		15-Dec-22 A 29-Dec-21 A		01-Jul-23 02-Apr-23	01-May-23	62		
05-3320	Compressor & CCCW Building	105	30		29-Dec-21 A	· ·		01-May-23	2		:
05-3330	Chimney	60	30	45%	23-May-22 A	29-Apr-23	02-Apr-23	01-May-23	2		
05-3340	Elevated Drive Way and Associated Structures	105	30		31-Jul-21 A		· ·	01-May-23	2		
05-3350 05-3520	Reception Pavilion Site Master Layout Plan and Plant Layout	60 60	30 30		15-Dec-22 A 15-Dec-22 A	· ·	· ·	01-May-23 01-May-23	2		
05-4170	Administration Building and Viewing Gallery (2.7.21)	60	30		15-Dec-22 A			01-May-23	2		
05-4290	IW MF Substation (2.8.25)	105	8		31-Jul-21 A	· ·	· ·	22-Apr-23	15		07-Apr-23, IW MF Substation
05-4800	IWMF Site Wide Architectural Details	105	30		20-Nov-21 A			01-May-23			
05-5160	Mechanical Treatment Plant & Water Treatment Plant (2.4.25)	60 165	30 165		15-Dec-22 A	29-Apr-23 11-Sep-23		01-May-23 18-Oct-23			
DDA Mechanical Treatment 05-5180	Structural design (2.4.14)	60	30		29-Sep-22 A			11-May-23			
05-5190	Electrical and instrumentation works design (2.4.15)	135	135			11-Sep-23		18-Oct-23	37		30-Apr-23
	excluding fire services installation design) (2.4.18)	112	112			20-Jul-23		10-Sep-23			
05-3870	Odour Control Lifts and Escalators	90	90 90		22-Apr-23	20-Jul-23	22-Apr-23		0	31-Mar-23	22-Apr-23
05-3910 DDA Wastewater Treatment		90 364	90 144		31-Mar-23	28-Jun-23 21-Aug-23		10-Sep-23 19-Dec-23	74 120	31-Mar-23	
05-3950	Electrical and instrumentation works design (2.5.15)	60	30		19-Sep-22 A			04-May-23	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
05-3960	Mechanical works design (2.5.16) (5 Packages)	232	0		31-May-22 A			04-May-23	35		31-Mar-23, Mechanical works design (
05-3970	Fire services installation design (2.5.17) (2 Packages)	60	30 84		22-Sep-22 A			11-Aug-23	70		
05-4000	excluding fire services installation design) (2.5.18) Odour Control	90	84 84			21-Aug-23 21-Aug-23		19-Dec-23			
DDA Water Treatment Plant	Building (2.6)	393	89			27-Jun-23	·	19-Dec-23			
05-4090	Mechanical works design (2.6.16)	90	0		02-May-22 A			18-Jul-23	110		31-Mar-23, Mechanical works design (2
05-4100	Fire services installation design (2.6.17)	60	30		22-Sep-22 A			10-Sep-23	134		· · · · · · · · · · · · · · · · · · ·
05-4120	excluding fire services installation design) (2.6.18) MVAC	90	89 89		29-Jun-22 A 29-Jun-22 A			19-Dec-23 19-Dec-23	175 175		
Electrical and instrumenta		238	0		11-Apr-22 A			17-Aug-23			
05-4080	Water Treatment Plant (WTP) - Variable Speed Drive (2.6.15.01)	238	0		11-Apr-22 A			17-Aug-23			31-Mar-23, Water Treatment Plant (WT
DDA Administration Buildin		409	105		28-Apr-22 A			10-Sep-23			
05-4180	Foundation design (2.7.11) Structural design (2.7.12)	105	0 60		28-Apr-22 A 08-Dec-22 A			05-May-23 09-Sep-23	36 103		31-Mar-23, Foundation design (2.7.11),
	excluding fire services installation design) (2.7.15)	105	105			13-Jul-23		10-Sep-23			
05-4220	Electrical Services and Lighting	75	75	0%	31-Mar-23	13-Jun-23	04-Mar-23	17-May-23	-27	31-Mar-23	
05-4230	MVAC	105	105		31-Mar-23	13-Jul-23	23-Mar-23		-8	31-Mar-23	-
05-4250 05-4260	Plumbing Drainage	105	105 105		31-Mar-23 31-Mar-23	13-Jul-23 13-Jul-23	22-Apr-23 23-Mar-23	04-Aug-23	-8	31-Mar-23 31-Mar-23	
05-4270	ELV	105	105		31-Mar-23	13-Jul-23		16-Jun-23	-27	31-Mar-23	
05-4280	Lifts and Escalators	90	90		31-Mar-23	28-Jun-23		10-Sep-23		31-Mar-23	
DDA IWMF Substation (2.8)		274	30			29-Apr-23		01-Aug-23			
05-4340 Building services design (	Fire services installation design (2.8.17) excluding fire services installation design) (2.8.18)	60 151	4 30		17-Jun-22 A 25-Oct-21 A			07-Apr-23 01-Aug-23	94		03-Apr-23, Fire services installatio
05-4990	Electrical Services and Lighting	90	30		22-Apr-22 A			04-Jun-23	36		
05-5000	MVAC	90	30	5%	19-Nov-21 A	29-Apr-23	04-Apr-23	03-May-23	4		
05-5010	Plumbing	60	4	5%	08-Dec-22 A	03-Apr-23	31-Mar-23	03-Apr-23	0		Plumbing, 03-Apr-23, 03-Apr-23, F
<b>3-Month Rollin</b> Page 5 of 22	ng Programme (March 2023)							Actu	naining Work al Work cal Remaining W	<ul> <li>Actual Mileston</li> <li>Critical Mileston</li> <li>ork</li> </ul>	

Milestone

	t No. EP/SP/66/12 Facilities, Phase 1	環境保護署 Environmental Protaction Department
202	23 May	Jun
CI	66 I-Mar-23 Equipment Yard, 31-Mar-23 31-Mar-23	67
	W Area & Turbine Hall), Pipebridge I	Rack C1, C2, C3, D1 & D2 (Prefab.3), Pipe f B (Between CCCW Area & Turbine Hall), 31- lebridge C (Between Turbine Hall & ACC Equ
	TG) and Pressure Reducing and Desi oled condenser, 31-Mar-23	uperheating Station (PRDS), Steam Turbine (
-23	3	
-23	3	
		tewater Treatment Plant, Process Building & 29-May-23, ACC Equipment Structure, A
		uilding, Compressor & CCCW Building, 29-A
	29-Apr-23, Chimney, Chimney, 29-Ap 29-Apr-23, Elevated Drive Way and A 29-Apr-23, Reception Pavilion, Rece	Associated Structures, Elevated Drive Way ar
	29-Apr-23, Site Master Layout Plan a	and Plant Layout, Site Master Layout Plan and nd Viewing Gallery (2.7.21), Administration E
	(2.8.25), IWMF Substation (2.8.25), 0 29-Apr-23, IWMF Site Wide Archited	7-Apr-23 ctural Details, WMF Site Wide Architectural
		ant & Water Treatment Plant (2.4.25), Mechar
	29-Apr-23, Structural design (2.4.14)	, Structural design (2.4.14), 29-Apr-23
		ation works design (2.5.15), Electrical and ins ks design (2.5.16) (5 Packages), 31-Mar-23 02-Jun-23, Fire services installation
(2	.6.16), Mechanical works design (2.6.	
	29-Apr-23, Fire services installation	design (2.6.17), Fire services installation des
		2
	-) - Variable Speed Drive (2.6.15.01), Foundation design (2.7.11), 31-Mar-23	Water Treatment Plant (WTP) - Variable Spe
		29-May-23, Structural design (2.7.12), St
		13-Jun-23, Electrica
tior	n design (2.8.17), Fire services install	lation design (2.8.17), 03-Apr-23
	29-Apr-23, Electrical Services and L 29-Apr-23, MVAC, MVAC, 29-Apr-23 lumbing	ighting, Electrical Services and Lighting, 29-4

	Autority Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finish	Late Start Late Finish	Total Float M64 Remarks	Mar	Apr
05-5020	Drainage	60	4	0% 10-Nov-22 A	A 03-Apr-23	31-Mar-23 03-Apr-23	0	64	65 Drainage, 03-Apr-23, 03-Apr-
05-5030	ELV	90	30	45% 25-Oct-21 A		03-Jul-23 01-Aug-23	94		· · · · · · · · · · · · · · · · · · ·
05-5030-1	Building Management System (BMS) ntation works design (2.8.15)	60 90	4 30		03-Apr-23	31-Mar-23 03-Apr-23 19-Apr-23 18-May-23	0 19		Building Management System
2.8.15.06		90	30		29-Apr-23	19-Apr-23 18-May-23	19		
05-4320	Electrical and instrumentation works design (2.8.15.06.01 to 40)	90	30	45% 16-Oct-21 A		19-Apr-23 18-May-23	19		· · · · · · · · · · · · · · · · · · ·
DDA Chimney 05-5370	Structural Design	364 90	90 0		28-Jun-23	30-Mar-23 10-Sep-23 30-Mar-23 30-Mar-23	0		Structural Design, 31-Mar-23, 31
	n (excluding fire services installation design)	90	90		28-Jun-23	13-Jun-23 10-Sep-23	74		
05-6050-1(5a)	Lift	90	90		28-Jun-23	13-Jun-23 10-Sep-23	74	31-Mar-23	
DA Elevated Drive Way 05-5380	and Associated Structures Foundation Structural Design	90 90	90 90		28-Jun-23 28-Jun-23	24-May-23 21-Aug-23 24-May-23 21-Aug-23	54 54	31-Mar-23	
DDA Reception Pavilion		105	105			03-May-23 14-Sep-23	63		
05-3280	Foundation Design	90	90	0% 31-Mar-23	28-Jun-23	03-May-23 31-Jul-23	33	31-Mar-23	
05-5390 Building services desig	Structural Design n (excluding fire services installation design)	60 105	60 105	0% 31-Mar-23 31-Mar-23	29-May-23 13-Jul-23	07-May-23 05-Jul-23 18-May-23 14-Sep-23	37 63	31-Mar-23	
05-2130-1	Building Management System (BMS)	90	90	0% 31-Mar-23	28-Jun-23	18-May-23 15-Aug-23	48	31-Mar-23	· · · · · · · · · · · · · · · · · · ·
05-7290	Electrical Services and Lighting	90	90	0% 31-Mar-23	28-Jun-23	18-May-23 15-Aug-23	48	31-Mar-23	i
05-7330	ELV	105	105	0% 31-Mar-23	13-Jul-23	02-Jun-23 14-Sep-23	63	31-Mar-23	
DA CCCW Building Building services desig	n (excluding fire services installation design)	90 90	90 90		28-Jun-23 28-Jun-23	07-Mar-23 04-Jun-23 07-Mar-23 04-Jun-23	-24		
05-2130-2	Building Management System (BMS)	60	60	0% 31-Mar-23	29-May-23	06-Apr-23 04-Jun-23	6	31-Mar-23	
05-7340	Electrical Services and Lighting	90	90	0% 31-Mar-23	28-Jun-23	07-Mar-23 04-Jun-23	-24	31-Mar-23	, , ,
DA Roads and Utilities Sewerage design on the	(2.10) e Artificial Island (2.10.14)	575 122	120 60		28-Jul-23 29-May-23	10-Mar-23 27-Dec-24 17-Jun-23 27-Dec-24	518 578		
05-4440-1(M55)	Ship-to-shore Sewage Transfer System for IWMF Vessels (Caisson 13)	90	4			24-Dec-24 27-Dec-24	634		03-Apr-23, Ship-to-shore S
05-4440-2(M55)	Ship-to-shore Sewage Transfer System for Passenger Ferry	90	60	45% 13-Jan-21 A		17-Jun-23 15-Aug-23	78		
Drainage system desigr 05-5320	n on the Artificial Island (2.10.15) First Flush Drainage System concept	105 105	0		A 31-Mar-23	02-Dec-23 02-Dec-22 02-Dec	247 247		31-Mar-23, First Flush Drainage
	sign on the Artificial Island (2.10.16)	332	120		28-Jul-23	09-May-23 03-Jan-24	159		
05-5290	WaterTanks	60	60	,	28-Jul-23	09-May-23 07-Jul-23	-21		;
05-5300	External FS Systems	60 105	60 75	0% 31-Mar-23 5% 04-Apr-22 A	29-May-23	09-May-23 07-Jul-23 21-Oct-23 03-Jan-24	39 204	31-Mar-23	
05-5300-1(M24) Design of telecommunic	E&M system for seawater intake (2.10.16.07) cation and other utilities (2.10.18)	333	75 90		A 28-Jun-23	10-Mar-23 31-Oct-23			
05-3400 (M21)	Computerised Maintenance Management System (CMMS) (2.10.18.10)	105	30	80% 24-May-22	A 29-Apr-23	04-May-23 03-Jun-23	35		·
05-3410 (M21)	Information and Document Management System (IDMS) (2.10.18.11)	105	60	45% 10-May-22		02-Sep-23 31-Oct-23	155		
05-4590 05-4610	Site Lighting Concept / Schematics Site ELV Network System - Communications System concept / schematics	90 75	90 30	0% 31-Mar-23 5% 16-Aug-22	28-Jun-23 A 29-Apr-23	09-Apr-23 07-Jul-23 09-Apr-23 08-May-23	9	31-Mar-23	1 m
05-4620	Site ELV Network System - Security Systems concept / schematics	75	30	5% 14-Jun-22 A	· ·	09-Apr-23 08-May-23	9		
05-4630	Site ELV Network System - Navigation aids concept / schematics	60	60	0% 06-Apr-23		10-Mar-23 08-May-23	-27	06-4	pr-23
05-4640	Microwave transmission of FS direct link hes and Landscaping Works (2.11)	105 350	3 90	70% 22-Aug-22 /	4 02-Apr-23 28-Jun-23	01-Apr-23 03-Apr-23 08-Apr-23 15-Jul-24	383		02-Apr-23, Microwave trans
External and internal fir		251	90		28-Jun-23	08-Apr-23 15-Jul-24	383		1 1 1
05-4670	External and internal finishes design for Incineration Plant Building (2.11.15)	90	60	· · ·		08-Feb-24 07-Apr-24	314		
05-4690 05-4700	External and internal finishes design for Turbine Hall Building	90	9	45% 10-Aug-22 /		08-Jan-24 16-Jan-24	283 8		08-Apr-23, External
05-4710	External and internal finishes design for CCCW Building External and internal finishes design for Chimney	90 90	62	45% 10-Aug-22 / 45% 02-Sep-22 /		08-Apr-23 16-Apr-23 26-Mar-24 26-May-24	361		08-Apr-23, External
05-4720	External and internal finishes design for Reception Pavilion	90	60	45% 23-May-22		06-Jun-23 04-Aug-23	37		
05-4760	External and internal finishes design for the Administration Building (2.11.19)	90	60	5% 11-Jul-22 A		17-May-24 15-Jul-24	403		
05-4770 05-5420	External and internal finishes design for the IWMF Substation (2.11.20) External and internal finishes design for Elevated Driveway	90 90	5 60	45% 10-Aug-22 / 45% 15-Jun-21 A		29-Apr-23 03-May-23 11-Sep-23 09-Nov-23	29 164		04-Apr-23, External and i
andscaping Works (2.		122	75		13-Jun-23	08-Apr-23 21-Jun-23	8		
05-4780	Landscape Masterplan & Landscape Design for Water Feature (211.19.01)	105	75			08-Apr-23 21-Jun-23			
05-4780-1(6C) 05-4780-2(6C)	Landscape Architectural Design for Turbine Hall Building (2.11.19.04) Landscape Architectural Design for Reception Pavilion (2.11.19.07)	105 105	75 75	45% 29-Jun-22 A 5% 19-Oct-22 A		08-Apr-23 21-Jun-23 08-Apr-23 21-Jun-23	8		
05-4780-3(6C)	Landscape Architectural Design for MT Plant Building and Water Treatment Plant Building (2.11.07.	75	75	0% 31-Mar-23		08-Apr-23 21-Jun-23	8	31-Mar-23	
05-4780-4(6C)	Landscape Architectural Design for Administration Building (2.11.07.09)	105	75	5% 12-Jan-23 A	13-Jun-23	08-Apr-23 21-Jun-23	8		
05-4780-5(6C)	Landscape Architectural Design for IWMF Substation (211.07.10)	105	75			08-Apr-23 21-Jun-23	8		· ·
05-4780-6(6C) Facade Structural Desig	Landscape Architectural Design for Process Building (2.11.07.11)	105 275	75 60		A 13-Jun-23 29-May-23	08-Apr-23 21-Jun-23 01-May-23 14-Apr-24	8 321		
05-8010(M45)	IW MF Substation	90	0			01-May-23 01-May-23	32		31-Mar-23, IW MF Substation, I
05-8020(6D)	Process Building & Wastewater Treatment Plant (2.6.14.01)	90	60	80% 07-Apr-22 A		15-Feb-24 14-Apr-24			
DA Testing and Commi 05-4810-1(5a)		122 90	61 1	19-May-22 / 5% 13-Jun-22 A	A 30-May-23	23-Aug-23 29-Jan-24 29-Jan-24 29-Jan-24 29-Jan-24 29-Jan-24	244 244		
)5-4810-1(5a) )5-4810-2(M55)	Factory Acceptance Testing plan (2.12.09.02-07) (8 Packages) FAT of DCS - Software SIL FAT Plant for Process Island (2.12.09.03.01)	105	10			29-Jan-24 29-Jan-24 23-Aug-23 01-Sep-23	145		09-Apr-23, FAT of
, ,	ilities for the Operation (2.13)	341			31-May-23		40		· · · · · · · · ·
Month Rol ge 6 of 22	ling Programme (March 2023)					Remai	ning Work 🔹	<ul> <li>Actual Mileston</li> <li>Critical Mileston</li> </ul>	

act No. EP/SP/66/12 現境保護署 Environmental Pro nt Facilities, Phase 1 , Drainage 29-Apr-23, ELV, ELV, 29-Apr-23 (BMS), 03-Apr-23, 03-Apr-23, Building Management System (BMS) 29-Apr-23, Electrical and instrumentation works design (2.8.15.06.01 to 40), Ele ar-23, Structural Design 29-May-23, Structural Design 29-May-23, Building Management Syste ge Transfer System for WMF Vessels (Caisson 13), Ship-to-shore Sewage Transfer 29-May-23, Ship-to-shore Sewage Trans stem concept, First Flush Drainage System concept, 31-Mar-23 30-May-23 29-May-23, External FS Systems 13-Jun-23, E&M sys 29-Apr-23, Computerised Maintenance Management System (CMMS) (2.10.18.10 29-May-23, Information and Document M 29-Apr-23, Site ELV Network System - Communications System concept / schen 29-Apr-23, Site ELV Network System - Security Systems concept / schematics, S 04-Jun-23, Site ELV Network Sy ion of FS direct link, Microwave transmission of FS direct link, 02-Apr-23 29-May-23, External and internal finishe internal finishes design for Turbine Hall Building, External and internal finishes design internal finishes design for CCCW Building, External and internal finishes design for ( 31-May-23, External and internal finis 08-Jun-23, External and in al finishes design for the IWMF Substation (2.11.20), External and internal finishes de 29-May-23, External and internal finished 13-Jun-23, Landsca 13-Jun-23, Landsca 13-Jun-23, Landsc 13-Jun-23, Landsca 13-Jun-23, Landsca 13-Jun-23, Landsca 13-Jun-23, Landsca Substation, 31-Mar-23 29-May-23, Process Building & Waster 30-May-23, Factory Acceptance Testing - Software SIL FAT Plant for Process Island (2.12.09.03.01), FAT of DCS - Software S

	Activity realite	Duration	Duration	Complete	Gurreni, Finish	Late Start	Late Finish	Remarks	Mar 64	Apr	2023	May 66	Jun 67
05-4850	Design of vehicles for MSW and Ash and Residues delivery (2.13.05)	341	62	0% 25-Jun-22 A	31-May-23	10-May-23	10-Jul-23	40	04	63	L	00	31-May-23, Design of vehicles
05-4860	Design of marine vessels for the use of the Employer and visitors (2.13.06)	62	62	0% 31-Mar-23		10-May-23		40	31-Mar-23				31-May-23, Design of marine
DA Auxiliary Plant System		90	0		31-Mar-23	16-Mar-23		-14		FOTO 0			
05-4940-3(6E)	EOTC System (2.16.11)	90 1755	0 384			16-Mar-23		-14 814		EOTC System (2.16.11), 31-M	/lar-23, 31-Mar-23, EOIC	System (2.16.11)	
ocurement of Major	• •				17-Apr-24	30-Dec-22							
ff-site Fabrication of Inc	cineration Modules	1755 1216	384 60		17-Apr-24 29-May-23	30-Dec-22 11-Feb-26		814 1048					
06-1000-1(1)	Mechanical Equipment Material Submission and Approval	180	0		-			1040					
06-1000-2(1)	Pipe Material Submission and Approval	180	0										
06-1000-3(1)	Electrical and Instrumentation Material Submission and Approval	180	60	58% 28-Feb-21 A	29-May-23	11-Feb-26	11-Apr-26	1048					29-May-23, Electrical and Instru
06-1010-1(1)	Mechanical Equipment Procurement (incl. FAT)	90	0		· ·								
06-1010-2(1)	Pipe Material Procurement (incl. FAT)	90	0	100% 05-Mar-21 A									
06-1010-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)	90	0	100% 29-May-21 A				014					
abrication of Module (TPU PFab 1- Line 1		1308 1188	384 264		17-Apr-24 19-Dec-23	_		814 0					
Structure Fabrication		534	204		25-Nov-22 A			0					
06-TPU-1-1160	PFab 1-Line 1 - Tertiary Structure Fabrication	200	0										
06-TPU-1-1170	PFab 1-Line 1 - 1st Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0	100% 18-Sep-20 A					1				
06-TPU-1-1180	PFab 1-Line 1 - 2nd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0	100% 06-Mar-21 A	25-Mar-22 A	22-Jan-23	22-Jan-23						
06-TPU-1-1190	PFab 1-Line 1 -3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0	100% 12-Mar-21 A	18-Mar-22 A	22-Jan-23	22-Jan-23						
06-TPU-1-1200	PFab 1-Line 1 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla	109	0		-								
Structure Erection		341	0		25-Nov-22 A								
06-TPU-1-1010	PFab 1-Line 1 - 1st Floor(Below EL20.47m)Primary & Secondary Steel Structure Erection	60	0	100% 17-Nov-21 A									
06-TPU-1-1050	PFab 1-Line 1 - 2nd Floor(EL20.47m~EL26.72m) Primary & Secondary Steel Structure Erection	60	0		-								
06-TPU-1-1060 06-TPU-1-1070	PFab 1-Line 1 - 3rd Floor( EL26.72m~EL37.72m)Primary & Secondary Steel Structure Erection PFab 1-Line 1 - 4th Floor(EL37.72m~EL47.22m) Primary & Secondary Steel Structure Erection	45 30	0	100% 15-Mar-22 A 100% 03-May-22 A									
06-TPU-1-1080	PFab 1-Line 1 - Top Floor(EL37.22m~EL54.47m) Primary & Secondary Steel Structure Erection	30	0	100% 03-May-22 A	· ·								
06-TPU-1-1090	PFab 1-Line 1 - Tertiary Structure Erection	90	0	100% 14-Jan-22 A	· ·								
06-TPU-1-1150	PFab 1-Line 1 - Set Assembly temporary support by SBC	28	0	100% 01-Nov-21 A									
06-TPU-1-1240	PFab 1-Line 1 - Dismantle of existing stool assembly from NCC	42	0	100% 11-Oct-21 A	31-Oct-21 A	22-Jan-23	22-Jan-23						
Mechanical Erection		251	0	04-Feb-22 A	10-Jan-23 A	22-Jan-23	22-Jan-23						
06-TPU-1-1100	PFab 1-Line 1 Mechanical Installation - 1st Floor (Below EL20.47m) (Including Combustion Grate)	80	0	100% 04-Feb-22 A	10-Jan-23 A	22-Jan-23	22-Jan-23		i) (Including Combustion Grate), 10-Jan-2	3A			
06-TPU-1-1110	PFab 1-Line 1 Mechanical Installation - 2nd Floor(EL20.47m~EL26.72m) (Including Deaerator)	80	0	100% 22-Feb-22 A	10-Jan-23 A	22-Jan-23	22-Jan-23		5.72m) (Including Deaerator), 10-Jan-23 A				
06-TPU-1-1120	PFab 1-Line 1 Mechanical Installation - 3rd Floor( EL26.72m~EL37.72m) ( Including Boiler Ash Trai	80	0	100% 06-May-22 A			22-Jan-23		7.72m) (Including Boiler Ash Transport),	0-Jan-23 A			
06-TPU-1-1130	PFab 1-Line 1 Mechanical Installation - 4th Floor(EL37.72m~EL47.22m) (Including Air Ducts)	80	0						.22m) (Including Air Ducts), 10-Jan-23 A				
06-TPU-1-1140	PFab 1-Line 1 Mechanical Installation - Boiler Pre-Assembly	105	0	100% 29-Mar-22 A	· ·								
06-TPU-1-1250 Mechanical Fabrication	PFab 1-Line 1 Mechanical Installation - Boiler Lifting & Installation	80 300	0		10-Jun-22 A								
06-TPU-1-1210	PFab 1-Line 1 - Mechanical Fabrication (By yard)	300	0										
Piping Fabrication		200	0		28-Oct-22 A								
06-TPU-1-1220	PFab 1-Line 1 - Piping Fabrication	200	0	100% 10-Feb-21 A	28-Oct-22 A	18-Nov-23	18-Nov-23						
Piping Installation		150	0	05-Jul-22 A	02-Dec-22 A	18-Nov-23	18-Nov-23						
06-TPU-1-1000	PFab 1-Line 1 - Piping installation	150	0	100% 05-Jul-22 A	02-Dec-22 A	18-Nov-23	18-Nov-23						
E&I Fabrication		180	0	14-Apr-22 A	02-Dec-22 A	15-May-23	15-May-23						
06-TPU-1-1230	PFab 1-Line 1 - E&I Fabrication	180	0	p									
E&I Installation (On-site In		416	189		19-Nov-23	15-May-23		0					
06-TPU-1-1260 06-TPU-1-1270	PFab 1-Line 1 - E&I Support Installation PFab 1-Line 1 - E&I Cable Ladder Erection	45 30	0										
Electrical		30	183		13-Nov-23	13-Nov-23 15-May-23		5			,		
06-TPU-1-1280	PFab 1-Line 1 - Electrical Cable Pulling and Term ination	180	180	0% 18-May-23		18-May-23		0			18-1	May-23	
06-TPU-1-1290	PFab 1-Line 1 - Electrical Equipment Installation	180	180	0% 15-May-23*		15-May-23		0			15-May-2		
06-TPU-1-1300	PFab 1-Line 1 - Electrical Heat Tracing Installation (Installation in Yard)	26	0	100% 04-Nov-22 A					Yard), 10-Jan-23 A		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
06-TPU-1-1340	PFab 1-Line 1 - MCC room installation (Installation in Yard)	25	0	100% 05-Nov-22 A	10-Jan-23 A	15-May-23	15-May-23		n-23 A				
Instrument		360	182		19-Nov-23	22-May-23		0					
06-TPU-1-1310	PFab 1-Line 1 - Instrument Cable Pulling and Termination	180	180		19-Nov-23	24-May-23		0				24-May-23	
06-TPU-1-1320	PFab 1-Line 1 - Instrument Equipment Installation	180	101	43.89% 25-Nov-22 A	-	22-May-23	-	0				00.142 00	
06-TPU-1-1330	PFab 1-Line 1 - Instrument Tubing Installation	180	180	0% 22-May-23		22-May-23		0				22-May-23	
nsulation 06-TPU-1-1020	PFab 1-Line 1 - Insulation	150 150	233 233	0% 23-May-22 #	18-Nov-23	31-Mar-23 31-Mar-23		0					
Precommissioning		146	233 146	23-May-22 F 27-Jul-23	19-Dec-23	27-Jul-23		0					
06-TPU-1-1030	PFab 1-Line 1 - Pre-commissioning	146	146	0% 27-Jul-23	19-Dec-23*	27-Jul-23		0					
Load out & Shipping		20	0		03-Feb-23 A			-					
06-TPU-1-1040	PFab 1-Line 1 - Load out & ready to ship	20	0	100% 02-Feb-23 A					io ship, 03-Feb-23 A				
Delivery		10	0		14-Feb-23 A								
06-TPU-1-1350	PFab 1-Line 1 - Delivery	10	0	100% 04-Feb-23 A	14-Feb-23 A	22-Jan-23	22-Jan-23		livery, 14-Feb-23 A				
		894	255	18 Son 20 /	10-Dec-23	00 1 00	40 D 00	0					

	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float M64 Remar	ks Mar	Apr
									Treites	64	65
tructure Fabrication 6-TPU-2-1040	DEak 1 Line 0. Tration: Obusture Estriction	257 200	0		30-Oct-20 A 09-Nov-20 A	25-Nov-22 A 25-Nov-22 A	22-Jan-23 22-Jan-23				
6-TPU-2-1040	PFab 1-Line 2 - Tertiary Structure Fabrication PFab 1-Line 2 - 1st Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0		30-Oct-20 A		22-Jan-23 22-Jan-23				
6-TPU-2-1180	PFab 1-Line 2 - 2nd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0	1	23-Apr-21 A		22-Jan-23				
6-TPU-2-1190	PFab 1-Line 2 - 3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	115	0			18-Mar-22 A					
6-TPU-2-1200	PFab 1-Line 2 - 4th & Top Floor Prim ary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla	125	0		08-Oct-21 A	05-Sep-22 A	17-Nov-23	17-Nov-23			
tructure Erection		470	0		27-Sep-21 A	25-Nov-22 A	22-Jan-23	17-Nov-23			1
6-TPU-2-1050	PFab 1-Line 2 - Set Assem bly tem porary support	28	0		· ·	11-Oct-21 A	22-Jan-23				
6-TPU-2-1060	PFab 1-Line 2 - 1st Floor(Below EL20.47m)Primary & Secondary Steel Structure Erection	60	0			09-Feb-22 A					
6-TPU-2-1070	PFab 1-Line 2 - 2nd Floor(EL20.47m~EL26.72m) Primary & Secondary Steel Structure Erection	60	0		06-Feb-22 A						;
6-TPU-2-1080 6-TPU-2-1090	PFab 1-Line 2 - 3rd Floor( EL26.72m~EL37.72m)Primary & Secondary Steel Structure Erection PFab 1-Line 2 - 4th Floor(EL37.72m~EL47.22m) Primary & Secondary Steel Structure Erection	45 30	0		09-Apr-22 A	13-May-22 A 27-May-22 A					
6-TPU-2-1100	PFab 1-Line 2 - Top Floor(EL47.22m ~ EL54.47m ) Primary & Secondary Steel Structure Erection	30	0		· ·	19-Aug-22 A					
6-TPU-2-1110	PFab 1-Line 2 - Tertiary Structure Erection	90	0			25-Nov-22 A	22-Jan-23				
echanical Fabrication		270	0		18-Sep-20 A	10-Jun-22 A	22-Jan-23	22-Jan-23			
6-TPU-2-1210	PFab 1-Line 2 - Mechanical Fabrication (By yard)	270	0	100%	18-Sep-20 A	10-Jun-22 A	22-Jan-23	22-Jan-23			
echanical Erection		242	0		04-Feb-22 A	24-Feb-23 A	22-Jan-23	17-Nov-23			
6-TPU-2-1120	PFab 1-Line 2 - Mechanical Installation - 1st Floor (Below EL20.47m) (Including Combustion Grate)	80	0			24-Feb-23 A				1-Line 2 - Mechanical Installation - 1st Fl	`
6-TPU-2-1130	PFab 1-Line 2 - Mechanical Installation - 2nd Floor(EL20.47m~EL26.72m) (Including Deaerator)	80	0			24-Feb-23 A	22-Jan-23			1-Line 2 - Mechanical Installation - 2nd F	
6-TPU-2-1140	PFab 1-Line 2 - Mechanical Installation - 3rd Floor(EL26.72m~EL37.72m) (Including Boiler Ash Tra	80 80	0			24-Feb-23 A	22-Jan-23			1-Line 2 - Mechanical Installation - 3rd Fl	{·
16-TPU-2-1150 16-TPU-2-1160	PFab 1-Line 2 - Mechanical Installation - 4th Floor(EL37.72m~EL47.22m) (Including Air Ducts) PFab 1-Line 2 - Mechanical Installation - Boiler Pre-Assembly	80	0			24-Feb-23 A 25-Jun-22 A	22-Jan-23 17-Nov-23			1-Line 2 - Mechanical Installation - 4th FI	oor(EL37.72m~EL47.22m) (Incil
6-TPU-2-1180	PFab 1-Line 2 - Mechanical Installation - Boiler Fie-Assembly	80	0		· ·	30-Nov-22 A					
iping Fabrication		180	0		-		17-Nov-23				
6-TPU-2-1220	PFab 1-Line 2 - Piping Fabrication	180	0			04-Nov-22 A					
iping Installation		150	0		27-May-22 A	25-Nov-22 A	17-Nov-23	17-Nov-23			
6-TPU-2-1000	PFab 1-Line 2 - Piping Installation	150	0	100%	27-May-22 A	25-Nov-22 A	17-Nov-23	17-Nov-23			
&I Fabrication		180	0		14-Apr-22 A	10-Dec-22 A	30-May-23	30-May-23			}
6-TPU-2-1230	PFab 1-Line 2 - E&I Fabrication	180	0	100%	14-Apr-22 A	10-Dec-22 A	30-May-23	30-May-23			,
&I Installation (On-site In		430	203		09-Sep-22 A		22-Jan-23		0		
6-TPU-2-1250	PFab 1-Line 2 - E&I Support Installation	45	0		· ·	02-Dec-22 A		-			
6-TPU-2-1260	PFab 1-Line 2 - E&I Cable Ladder Erection	45	0			23-Dec-22 A	-				
Electrical	DEak 1 Line 0. Electrical Cable Dulling and Termination	317	188		16-Dec-22 A		22-Jan-23		15		
06-TPU-2-1270 06-TPU-2-1280	PFab 1-Line 2 - Electrical Cable Pulling and Term ination PFab 1-Line 2 - Electrical Equipment Installation	180 180	180 180		23-May-23 15-May-23*	18-Nov-23 10-Nov-23	07-Jun-23 30-May-23		15 15		!
06-TPU-2-1290	PFab 1-Line 2 - Electrical Heat Tracing Installation (Installation by Yard)	26	0		16-Dec-22 A		17-Nov-23		15	Installation (Installation by Yard), 30-Jan-	23 A
06-TPU-2-1330	PFab 1-Line 2 - MCC room installation (Installation by Yard)	25	0			24-Feb-23 A	22-Jan-23			1-Line 2 - MCC room installation (Install	
nstrument		203	203		15-May-23	03-Dec-23	30-May-23	03-Dec-23	0		
06-TPU-2-1300	PFab 1-Line 2 - Instrument Cable Pulling and Termination	180	180	0%	07-Jun-23	03-Dec-23*	07-Jun-23	03-Dec-23	0		
06-TPU-2-1310	PFab 1-Line 2 - Instrument Equipment Installation	180	180	0%	15-May-23	10-Nov-23	30-May-23	25-Nov-23	15		·
06-TPU-2-1320	PFab 1-Line 2 - Instrument Tubing Installation	180	180	0%		10-Nov-23	30-May-23	25-Nov-23	15		
sulation		150	232		22-May-22 A		31-Mar-23		0		
6-TPU-2-1010	PFab 1-Line 2 - Insulation	150	232		22-May-22 A		31-Mar-23		0		
recommissioning 6-TPU-2-1020	PEab 1 Line 2. Pro commissioning	15 15	15 15		26-Nov-23 26-Nov-23	10-Dec-23 10-Dec-23*	26-Nov-23		0		
ad out & Shipping	PFab 1-Line 2 - Pre-commissioning	20	0			08-Apr-23 A	26-Nov-23 22-Jan-23		0		,
6-TPU-2-1030	PFab 1-Line 2 - Load out & ready to ship	20	0			08-Apr-23 A	22-Jan-23				PFab 1-Line 2 - Loa
elivery		1	0			15-Mar-23 A	22-Jan-23				
6-TPU-2-1340	PFab 1-Line 2 - Delivery	1	0			15-Mar-23 A				lar-23 A PFab 1-Line 2 - Del v	ery, 15-Mar-23 A
ab 1- Line 3		958	319		18-Sep-20 A	12-Feb-24	10-Jan-23	12-Feb-24	0		
ructure Fabrication		264	0		24-Nov-20 A	16-Dec-22 A	12-Jan-23	31-Jan-23			
6-TPU-3-1110	PFab 1-Line 3 - Tertiary Structure Fabrication	200	0	100%	26-Nov-20 A	16-Dec-22 A	31-Jan-23	31-Jan-23			
6-TPU-3-1170	PFab 1-Line 3 - 1st Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0	100%	24-Nov-20 A	08-Nov-21 A	12-Jan-23	12-Jan-23			·
6-TPU-3-1180	PFab 1-Line 3 - 2nd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	115	0			06-May-22 A					
6-TPU-3-1190	PFab 1-Line 3 - 3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	109	0			15-Apr-22 A	12-Jan-23				
6-TPU-3-1200	PFab 1-Line 3 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla	109	0			05-Aug-22 A					
ructure Erection 6-TPU-3-1040	PFab 1-Line 3 - Set Assem bly tem porary support	434 28	0			24-Mar-23 A 11-Nov-21 A	12-Jan-23 12-Jan-23				,
6-TPU-3-1050	PFab 1-Line 3 - Set Assembly temporary support PFab 1-Line 3 - 1st Floor(Below EL20.47m)Primary & Secondary Steel Structure Erection	60	0		06-Nov-21 A		12-Jan-23				
6-TPU-3-1060	PFab 1-Line 3 - 2nd Floor(EL20.47m~EL26.72m) Primary & Secondary Steel Structure Erection	60	0			11-Feb-22 A	12-Jan-23				
6-TPU-3-1070	PFab 1-Line 3 - 3rd Floor( EL26.72m~EL37.72m)Primary & Secondary Steel Structure Erection	45	0			18-Sep-22 A	12-Jan-23				
6-TPU-3-1080	PFab 1-Line 3 - 4th Floor(EL37.72m~EL47.22m) Primary & Secondary Steel Structure Erection	12	0		11-Jul-22 A	10-Feb-23 A	12-Jan-23			r(EL37.72m~EL47.22m) Primary & Seco	idary Steel Structure Erection, 1
6-TPU-3-1090	PFab 1-Line 3 - Top Floor(EL47.22m~EL54.47m) Primary & Secondary Steel Structure Erection	39	0			10-Mar-23 A	12-Jan-23			································	L47.22m~EL54.47m) Primary &
6-TPU-3-1100	PFab 1-Line 3 - Tertiary Structure Erection	90	0		-	24-Mar-23 A					ine 3 - Tertiary Structure Erectio
echanical Fabrication		270	0		18-Sep-20 A	17-Jun-22 A	31-Jan-23	31-Jan-23			·····
6-TPU-3-1210	PFab 1-Line 3 - Mechanical Fabrication (By yard)	270	0	100%	18-Sep-20 A	17-Jun-22 A	31-Jan-23	31-Jan-23			·

 $\diamond$ Milestone

ct No. EP/S Facilities,	SP/66/12 Phase 1	環境保護署 Environmental Protaction Department
2023	Мау	Jun
	66	67
oustion Grate), 24-Fe	b-23 Δ	
Deaerator), 24-Feb-2		
Boiler Ash Transport		
vir Ducts), 24-Feb-23	A	
2	3-May-23 📃	
45 March 001		
15-May-23*		
15-May-23"		
15-May-23		
15-May-23"		
тэ-мау-23°		
		07-Jun-23
15-May-23		07-Jun-23
		07-Jun-23
15-May-23		07-Jun-23
15-May-23		07-Jun-23
15-May-23 15-May-23		07-Jun-23
15-May-23		07-Jun-23
15-May-23 15-May-23		07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A		07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23 a ready to ship, 08-A	or-23 A	07-Jun-23
15-May-23 15-May-23	or-23 A	07-Jun-23
15-May-23 15-May-23	or-23 A	07-Jun-23
15-May-23 15-May-23 ready to ship, 08-A	or-23 A	
15-May-23 15-May-23 a ready to ship, 08-A a ready to ship, 08-A 23 A 23 A	or-23 A	
15-May-23 15-May-23 ready to ship, 08-A	or-23 A	
15-May-23 15-May-23 a ready to ship, 08-A a ready to ship, 08-A 23 A 23 A	or-23 A	
15-May-23 15-May-23 a ready to ship, 08-A a ready to ship, 08-A 23 A 23 A	or-23 A	
15-May-23 15-May-23 a ready to ship, 08-A a ready to ship, 08-A 23 A 23 A	or-23 A	
15-May-23 15-May-23 a ready to ship, 08-A a ready to ship, 08-A 23 A 23 A	or-23 A	
15-May-23 15-May-23 a ready to ship, 08-A a ready to ship, 08-A 23 A 23 A	or-23 A	
15-May-23 15-May-23 a ready to ship, 08-A a ready to ship, 08-A 23 A 23 A	or-23 A	
15-May-23 15-May-23 a ready to ship, 08-A a ready to ship, 08-A 23 A 23 A	or-23 A	
15-May-23 15-May-23 a ready to ship, 08-A a ready to ship, 08-A 23 A 23 A	or-23 A	

echanical Erection 6-TPU-3-1120 PFab 1-Line 3 - Mechanical Instal		Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finish	Late Start	Late Finish	Total Float M64 Remarks	s Mar	Apr
		452	0	02 Mor 22 A	24-Mar-23 A	21 Jan 02	31-Jan-23		64	65
	llation - 1st Floor (Below EL20.47m) (Including Combustion Grate)	452 80	0	100% 03-Mar-22 A			31-Jan-23 31-Jan-23		PEab	Line 3 - Mechanical Installation - 1s
	llation - 2nd Floor (EL20.47m~EL26.72m) (Including Conhousiton Clate)	80	0	100% 03-Mar-22 A						Line 3 - Mechanical Installation - 2
	llation - 3rd Floor( EL26.72m~EL37.72m) (Including Boiler Ash Tra	80	0	100% 17-Jun-22 A			31-Jan-23		PFab	Line 3 - Mechanical Installation - 3
	llation - 4th Floor(EL37.72m~EL47.22m) (Including Air Ducts)	56	0	100% 02-Dec-22 A			31-Jan-23		PFab 1	Line 3 - Mechanical Installation - 4
6-TPU-3-1160 PFab 1-Line 3 - Mechanical Instal	lation - Boiler Pre As sembly	105	0	100% 01-Apr-22 A	25-Jun-22 A	31-Jan-23	31-Jan-23			1
6-TPU-3-1240 PFab 1-Line 3 - Mechanical Instal	lation - Boiler Lifting & Installation	80	0	100% 11-Aug-22 A	15-Feb-23 A	31-Jan-23	31-Jan-23		lechanical Installation - Boiler Lifting &	Installation, 15-Feb-23 A
ping Fabrication		180	0	09-Mar-21 A	24-Feb-23 A	10-Jan-23	10-Jan-23			
6-TPU-3-1220 PFab 1-Line 3 - Piping Fabricatio	n	180	0	100% 09-Mar-21 A	24-Feb-23 A	10-Jan-23	10-Jan-23		1-Line 3 - Piping Fabrication, 24-Feb-2	3 Å
ping Installation		119	0		24-Mar-23 A					
6-TPU-3-1000 PFab 1-Line 3 - Piping Installation	1	119	0	100% 05-Oct-22 A					PFab	Line 3 - Piping Installation, 24-Mar
&I Fabrication		180	0	· · ·	10-Dec-22 A					
6-TPU-3-1230 PFab 1-Line 3 - E&I Fabrication		180	0	100% 14-Apr-22 A						
&IInstallation 6-TPU-3-1250 PFab 1-Line 3 - E&I Support Insta	United	372 45	282 21	02-Dec-22 A 53.33% 02-Dec-22 A			06-Jan-24 30-Jan-23	-80		
6-TPU-3-1250 PFab 1-Line 3 - E&I Support Insta 6-TPU-3-1260 PFab 1-Line 3 - E&I Cable Ladder		45	21	53.33% 02-Dec-22 A 53.33% 02-Dec-22 A			30-Jan-23 30-Jan-23	-80		PFa
	Election	281	21	01-Apr-23	20-Apr-23 06-Jan-24		06-Jan-24	-80		
06-TPU-3-1270 PFab 1-Line 3 - Electrical Cable I	Pulling and Termination	180	180	0% 11-Jul-23	06-Jan-24*		06-Jan-24	0		
06-TPU-3-1280 PFab 1-Line 3 - Electrical Equipm	6	180	180	0% 20-Jun-23	16-Dec-23		16-Dec-23	0		+
	racing Installation (Installation by Yard)	20	20	0% 01-Apr-23*	20-Apr-23		30-Jan-23	-80	01-Apr-23*	20-
06-TPU-3-1330 PFab 1-Line 3 - MCC room install		19	19	0% 02-Apr-23*	20-Apr-23		30-Jan-23	-80	02-Apr-23	· · · · · · · · · · · · · · · · · · ·
nstrument		201	201	20-Jun-23	06-Jan-24		06-Jan-24	0	······································	
06-TPU-3-1300 PFab 1-Line 3 - Instrument Cable	Pulling and Termination	180	180	0% 11-Jul-23	06-Jan-24*	11-Jul-23	06-Jan-24	0		
06-TPU-3-1310 PFab 1-Line 3 - Instrument Equip	-	180	180	0% 20-Jun-23	16-Dec-23	20-Jun-23	16-Dec-23	0		
06-TPU-3-1320 PFab 1-Line 3 - Instrument Tubing		180	180	0% 20-Jun-23	16-Dec-23		16-Dec-23	0		
sulation		150	304	23-May-22 A	28-Jan-24	31-Mar-23	28-Jan-24	0		
6-TPU-3-1010 PFab 1-Line 3 - Insulation		150	304	0% 23-May-22 A	28-Jan-24*	31-Mar-23	28-Jan-24	0		
recommissioning		60	60	15-Dec-23	12-Feb-24	15-Dec-23	12-Feb-24	0		
6-TPU-3-1020 PFab 1-Line 3 - Pre-commissioni	ng	60	60	0% 15-Dec-23	12-Feb-24*	15-Dec-23	12-Feb-24	0		
ad out & Shipping		20	20	21-Apr-23	10-May-23	31-Jan-23	19-Feb-23	-80		
6-TPU-3-1030 PFab 1-Line 3 - Load out & ready	to ship	20	20	0% 21-Apr-23	10-May-23	31-Jan-23	19-Feb-23	-80		21-Apr-23
elivery		10	10	11-May-23	20-May-23	20-Feb-23	01-Mar-23	-80		
6-TPU-3-1340 PFab 1-Line 3 - Delivery		10	10	0% 11-May-23	20-May-23		01-Mar-23	-80		
ab 1- Line 4		958	319	·			12-Feb-24	0		
TRUE 4 4400	E shuis of ex	254	0		16-Dec-22 A					
6-TPU-4-1160 PFab 1-Line 4 - Tertiary Structure		200	0	100% 10-Dec-20 A			22-Feb-23			
	A Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)     A Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125 125	0	100% 10-Dec-20 A 100% 18-Feb-21 A			22-Jan-23 22-Jan-23			
	y & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0	100% 18-Peb-21A 100% 04-Jun-21A						
	rim ary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla	125	0	100% 04-00/21/X						
ructure Erection		447	15		14-Apr-23			-51		
6-TPU-4-1090 PFab 1-Line 4 - Set Assembly ten	n porary support	28	0	100% 15-Oct-21 A						
	EL20.47m)Primary & Secondary Steel Structure Erection	60	0	100% 04-Nov-21 A			22-Jan-23			
	7m~EL26.72m) Primary & Secondary Steel Structure Erection	60	0	100% 26-Jan-22 A			22-Jan-23			
	2m~EL37.72m)Primary & Secondary Steel Structure Erection	45	0	100% 08-Mar-22 A	· ·					
6-TPU-4-1130 PFab 1-Line 4 - 4th Floor(EL37.72	2m~EL47.22m) Primary & Secondary Steel Structure Erection	30	0	100% 20-Apr-22 A	-					
6-TPU-4-1140 PFab 1-Line 4 - Top Floor(EL47.2	2m~EL54.47m) Primary & Secondary Steel Structure Erection	32	0	100% 01-Sep-22 A	10-Dec-22 A	23-Jan-23	23-Jan-23		A	
6-TPU-4-1150 PFab 1-Line 4 - Tertiary Structure	Erection	90	15	83.33% 01-Apr-22 A	14-Apr-23	08-Feb-23	22-Feb-23	-51		PFab 1-Line
echanical Fabrication		270	0	18-Sep-20 A	10-Jun-22 A	22-Jan-23	22-Jan-23			
6-TPU-4-1210 PFab 1-Line 4 - Mechanical Fabri	cation (By yard)	270	0	100% 18-Sep-20 A	10-Jun-22 A	22-Jan-23	22-Jan-23			
echanical Erection		422	20	09-Jan-22 A	19-Apr-23	22-Jan-23	10-Feb-23	-68		
6-TPU-4-1040 PFab 1-Line 4 - Mechanical Instal	lation - 1st Floor (Below EL20.47m) (Including Combustion Grate)	80	20	75% 09-Jan-22 A	19-Apr-23	22-Jan-23	10-Feb-23	-68		PFa
6-TPU-4-1050 PFab 1-Line 4 - Mechanical Instal	lation - 2nd Floor(EL20.47m~EL26.72m) (Including Deaerator)	80	20	75% 21-Feb-22 A	19-Apr-23	22-Jan-23	10-Feb-23	-68		PFa
6-TPU-4-1060 PFab 1-Line 4 - Mechanical Instal	lation - 3rd Floor( EL26.72m~EL37.72m) (Including Boiler Ash Tra	80	20	75% 06-May-22 A	19-Apr-23	22-Jan-23	10-Feb-23	-68		PFa
6-TPU-4-1070 PFab 1-Line 4 - Mechanical Instal	llation - 4th Floor(EL37.72m~EL47.22m) (Including Air Ducts)	7	7	0% 13-Apr-23*	19-Apr-23	04-Feb-23	10-Feb-23	-68		13-Apr-23* 19-A
6-TPU-4-1080 PFab 1-Line 4 - Mechanical Instal	2	125	0	100% 25-Feb-22 A	15-Aug-22 A	22-Jan-23	22-Jan-23			
6-TPU-4-1240 PFab 1-Line 4 - Mechanical Instal	llation - Boiler Lifting & Installation	108	2	98.15% 05-Jul-22 A	· ·		23-Jan-23	-68		PFab 1-Line 4 - Mechanical I
ping Fabrication		180	0		31-Mar-23 A		22-Feb-23			
6-TPU-4-1220 PFab 1-Line 4 - Piping Fabricatio	n	180	0				22-Feb-23			PFab 1-Line 4 - Piping Fabrica
ping Installation		62	26	02-Dec-22 A	-		22-Feb-23	-68		
6-TPU-4-1000 PFab 1-Line 4 - Piping Installation	1	62	26		-		22-Feb-23	-68		_ : 
		180	0	· · ·	10-Dec-22 A					
&I Fabrication		180	0	100% 14-Apr-22 A						ļ
& Fabrication 6-TPU-4-1230 PFab 1-Line 4 - E&I Fabrication		288	288	13-Mar-23 A	12-Jan-24	22-Jan-23	12-Jan-24	0		
Station           6-TPU-4-1230         PFab 1-Line 4 - E&I Fabrication           St Installation						or • •	00 T · · ·		40.44.00.4	
& Fabrication 6-TPU-4-1230 PFab 1-Line 4 - E&I Fabrication		45	32				22-Feb-23 22-Feb-23	-68 -68	13-Mar-23 A 13-Mar-23 A 13-Mar-23 A	

023	May 66	Jun 67
or(EL20.47m vr( EL26.72m	20.47m) (Including Combustion ~EL26.72m) (Including Deaera ~EL37.72m) (Including Boiler ~EL47.22m) (Including Air Duc	ttor), 24-Mar-23 A Ash Transport), 24-Mar-23 A
		-Apr-23, PFab 1-Line 3 - E&I Support 20-Apr-23, PFab 1-Line 3 - E&I Cabl
	3 - Electrical Heat Tracing Ins 3 - MCC room installation (Ins	
		20-Jun-23 20-Jun-23
11-May-23	10-May-23, PFab 1-Line 3 -	Load out & ready to ship Fab 1-Line 3 - Delivery
iary Structur	e Erection, 14-Apr-23, 14-Apr-	23, PFab 1-Line 4 - Tertiary Structure I
4 - Mechanic 4 - Mechanic	al Installation - 2nd Floor(EL2 al Installation - 3rd Floor( EL2	w EL20.47m) (Including Combustion 0.47m~EL26.72m) (Including Deaerat 6.72m~EL37.72m) (Including Boiler A Floor(EL37.72m~EL47.22m) (Includir
on - Boiler Li Mar-23 A	fting & Installation, 01-Apr-23,	01-Apr-23, PFab 1-Line 4 - Mechanica
<u>.</u>	ine 4 - Piping Installation, 01-M	/lay-23, 01-May-23, PFab 1-Line 4 - Pi
PFab 1-L		

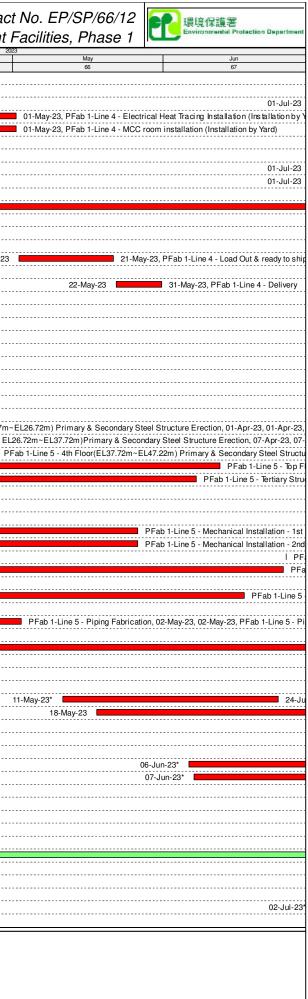
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	Activity Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finish	Late Start L	ate Finish	Total Float	l64 emarks	Mar	Apr
lectrical		282	282	06-Apr-23	12-Jan-24	28-Jan-23 1	2-Jan-24	0		64	65
06-TPU-4-1270	PFab 1-Line 4 - Electrical Cable Pulling and Term ination	180	180	0% 17-Jul-23	12-Jan-24*	17-Jul-23 1	2-Jan-24	0			
06-TPU-4-1280	PFab 1-Line 4 - Electrical Equipment Installation	180	180	0% 01-Jul-23	27-Dec-23*	01-Jul-23 2	27-Dec-23	0			
06-TPU-4-1290	PFab 1-Line 4 - Electrical Heat Tracing Installation (Installation by Yard)	26	26	0% 06-Apr-23*	01-May-23	28-Jan-23 2	2-Feb-23	-68			06-Apr-23*
06-TPU-4-1330	PFab 1-Line 4 - MCC room installation (Installation by Yard)	25	25	0% 07-Apr-23*	01-May-23	29-Jan-23 2	2-Feb-23	-68			07-Apr-23*
nstrument		196	196	01-Jul-23	12-Jan-24	01-Jul-23 1	2-Jan-24	0			
06-TPU-4-1300	PFab 1-Line 4 - Instrument Cable Pulling and Termination	180	180	0% 17-Jul-23	12-Jan-24*	17-Jul-23 1		0			
06-TPU-4-1310	PFab 1-Line 4 - Instrument Equipment Installation	180	180	0% 01-Jul-23	27-Dec-23	01-Jul-23 2		0			
06-TPU-4-1320	PFab 1-Line 4 - Instrument Tubing Installation	180	180	0% 01-Jul-23	27-Dec-23*	01-Jul-23 2		0			
sulation		150	304		A 28-Jan-24	31-Mar-23 2		0			
6-TPU-4-1010	PFab 1-Line 4 - Insulation	150	304	0% 25-May-22 /		31-Mar-23 2		0			
recommissioning 6-TPU-4-1020	PEch 1 Line 4. Bro commissioning	60 60	60 60	15-Dec-23 0% 15-Dec-23	12-Feb-24 12-Feb-24*	15-Dec-23 1 15-Dec-23 1		0			
	PFab 1-Line 4 - Pre-commissioning										
oad out & Shipping 6-TPU-4-1030	PFab 1-Line 4 - Load Out & ready to ship	20 20	20 20		21-May-23 21-May-23	23-Feb-23 1 23-Feb-23 1		-68 -68			
		10	10	,	31-May-23	15-Mar-23 2		-68			
elivery 6-TPU-4-1340	PFab 1-Line 4 - Delivery	10	10	,	31-May-23	15-Mar-23 2		-68			
ab 1- Line 5		1023	384			10-Jan-23 1		814			
ructure Fabrication		260	0		16-Dec-22 A			014			
6-TPU-5-1160	PFab 1-Line 5 - Tertiary Structure Fabrication	200	0								
6-TPU-5-1170	PFab 1-Line 5 - 1st Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0			10-Jan-23 1					
6-TPU-5-1180	PFab 1-Line 5 - 2nd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0								
6-TPU-5-1190	PFab 1-Line 5 - 3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0		,	10-Jan-23 1					
6-TPU-5-1200	PFab 1-Line 5 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla	125	0		· ·						
ructure Erection		590	74		12-Jun-23	10-Jan-23 1		-61			
6-TPU-5-1090	PFab 1-Line 5 - Set Assembly temporary support	35	0	100% 05-Nov-21 A	23-Nov-21 A	10-Jan-23 1	0-Jan-23				
6-TPU-5-1100	PFab 1-Line 5 - 1st Floor(Below EL20.47m)Primary & Secondary Steel Structure Erection	60	0	100% 24-Nov-21 A		10-Jan-23 1					
6-TPU-5-1110	PFab 1-Line 5 - 2nd Floor(EL20.47m~EL26.72m) Primary & Secondary Steel Structure Erection	60	2	96.67% 12-Mar-22 A	01-Apr-23	10-Jan-23 1	1-Jan-23	-80			PFab 1-Line 5 - 2nd Floor
6-TPU-5-1120	PFab 1-Line 5 - 3rd Floor( EL26.72m~EL37.72m)Primary & Secondary Steel Structure Erection	60	8	86.67% 02-Dec-22 A	A 07-Apr-23	10-Jan-23 1	7-Jan-23	-80			PFab 1-Line 5 - 3
6-TPU-5-1130	PFab 1-Line 5 - 4th Floor(EL37.72m~EL47.22m) Primary & Secondary Steel Structure Erection	60	11	81.67% 16-Dec-22 A	A 27-Apr-23	27-Jan-23 (	06-Feb-23	-80			
6-TPU-5-1140	PFab 1-Line 5 - Top Floor(EL47.22m~EL54.47m) Primary & Secondary Steel Structure Erection	30	46	0% 30-Dec-22 A	A 12-Jun-23	07-Feb-23 2	24-Mar-23	-80			
6-TPU-5-1150	PFab 1-Line 5 - Tertiary Structure Erection	90	69	23.33% 14-Jan-22 A	07-Jun-23	03-Feb-23 1	2-Apr-23	-56			
echanical Fabrication		270	0	18-Sep-20 A	A 17-Jun-22 A	10-Jan-23 1	0-Jan-23				]
6-TPU-5-1210	PFab 1-Line 5 - Mechanical Fabrication (By yard)	270	0	100% 18-Sep-20 A	A 17-Jun-22 A	10-Jan-23 1	0-Jan-23				]
echanical Erection		514	87	02-Mar-22 A	26-Jun-23	10-Jan-23 (	06-Apr-23	-80			
6-TPU-5-1040	PFab 1-Line 5 - Mechanical Installation - 1st Floor (Below EL20.47m) (Including Combustion Grate)	80	57	28.75% 02-Mar-22 A	26-May-23	10-Jan-23 (	)7-Mar-23	-80			
6-TPU-5-1050	PFab 1-Line 5 - Mechanical Installation - 2nd Floor(EL20.47m~EL26.72m) (Including Deaerator)	80	57			10-Jan-23 (		-80			
6-TPU-5-1060	PFab 1-Line 5 - Mechanical Installation - 3rd Floor( EL26.72m~EL37.72m) (Including Boiler Ash Tra	80	0			06-Apr-23 0	· ·	-80			<u></u>
6-TPU-5-1070	PFab 1-Line 5 - Mechanical Installation - 4th Floor(EL37.72m~EL47.22m) (Including Air Ducts)	80	70			27-Jan-23 (		-80			
6-TPU-5-1080	PFab 1-Line 5 - Mechanical Installation - Boiler Pre-Assembly	110	0		-			00			
6-TPU-5-1240	PFab 1-Line 5 - Mechanical Installation - Boiler Lifting & Installation	80	79			10-Jan-23 2		-80			
ping Fabrication	DEak 1 Line E. Diving Enhvironian	180	33		02-May-23	10-Jan-23 1		-80			
6-TPU-5-1220	PFab 1-Line 5 - Piping Fabrication	180 83	33 83	81.67% 23-Mar-21 A 10-Apr-23	02-May-23	10-Jan-23 1 20-Jan-23 1		-80 -80			
ping Installation 6-TPU-5-1000	PFab 1-Line 5 - Piping Installation	83	83	0% 10-Apr-23	01-Jul-23	20-Jan-23 1		-80			10 Apr 22
L Fabrication		180	0	· · ·	30-Dec-22 A			-00			10-Apr-23
6-TPU-5-1230	PFab 1-Line 5 - E&I Fabrication	180	0	· · ·							
&I Installation		306	306	11-May-23	11-Mar-24	20-Feb-23 1		0			
6-TPU-5-1250	PFab 1-Line 5 - E&I Support Installation	45	45		24-Jun-23	20-Feb-23 0		-80			
6-TPU-5-1260	PFab 1-Line 5 - E&I Cable Ladder Erection	45	45	0% 18-May-23	01-Jul-23	27-Feb-23 1		-80			
lectrical		280	280	06-Jun-23	11-Mar-24	18-Mar-23 1	· ·	0			
06-TPU-5-1270	PFab 1-Line 5 - Electrical Cable Pulling and Termination	180	180	0% 14-Sep-23	11-Mar-24*	14-Sep-23 1		0			
06-TPU-5-1280	PFab 1-Line 5 - Electrical Equipment Installation	180	180	0% 31-Aug-23	26-Feb-24	31-Aug-23 2		0			
06-TPU-5-1290	PFab 1-Line 5 - Electrical Heat Tracing Installation (Installation by Yard)	26	26	0% 06-Jun-23*	01-Jul-23	18-Mar-23 1		-80			
06-TPU-5-1330	PFab 1-Line 5 - MCC room installation (Installation by Yard)	25	25	0% 07-Jun-23*	01-Jul-23	19-Mar-23 1	2-Apr-23	-80			
strument		194	194	31-Aug-23	11-Mar-24	31-Aug-23 1	· ·	0			
06-TPU-5-1300	PFab 1-Line 5 - Instrument Cable Pulling and Termination	180	180	0% 14-Sep-23	11-Mar-24*	14-Sep-23 1		0			
06-TPU-5-1310	PFab 1-Line 5 - Instrument Equipment Installation	180	180	0% 31-Aug-23	26-Feb-24	31-Aug-23 2	26-Feb-24	0			
06-TPU-5-1320	PFab 1-Line 5 - Instrument Tubing Installation	180	180	0% 31-Aug-23	26-Feb-24	31-Aug-23 2	26-Feb-24	0			
sulation		150	369	04-Jun-22 A	02-Apr-24	22-Jun-25 2	25-Jun-26	814			
6-TPU-5-1010	PFab 1-Line 5 - Insulation	150	369	0% 04-Jun-22 A	02-Apr-24	22-Jun-25 2	25-Jun-26	814			
recommissioning		60	60	18-Feb-24	17-Apr-24	12-May-26 1	0-Jul-26	814			
6-TPU-5-1020	PFab 1-Line 5 - Pre-commissioning	60	60	0% 18-Feb-24	17-Apr-24	12-May-26 1	0-Jul-26	814			
ad out & Shipping		20	20	02-Jul-23	21-Jul-23	13-Apr-23 0	)2-May-23	-80			
6-TPU-5-1030	PFab 1-Line 5 - Load Out & ready to ship	20	20	0% 02-Jul-23*	21-Jul-23	13-Apr-23 0	)2-May-23	-80			1
livery		10	10	22-Jul-23	31-Jul-23	03-May-23 1	2-May-23	-80			

Critical Remaining Work

Milestone

 $\diamond$ 





## Contrac

### Integrated Waste Management

Dr TU 5 :340         PFab 1-Line 5         Delive y 1         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123         2.123	KEPPEL SEGHERS - ZHEN HUAJO								integratea	Hable management
INDUCTOR         Mathematical and a local barry for any starting framework on function (unclasse barry for any starting for any starting framework on function (unclasse barry for any starting for any st	ctivity ID	Activity Name	Duration		Complete	Current Finish	Late Start Late Finish		Mar	Apr 20
Product         Status (Sec.)         Status (Sec.)<									64	65
Bits         Control         Control <thcontrol< th=""> <thcontrol< th=""> <thcont< td=""><td>06-TPU-5-1340</td><td>PFab 1-Line 5 - Delivery</td><td>10</td><td>10</td><td>0% 22-Jul-23</td><td>31-Jul-23</td><td>03-May-23 12-May-23</td><td>-80</td><td></td><td></td></thcont<></thcontrol<></thcontrol<>	06-TPU-5-1340	PFab 1-Line 5 - Delivery	10	10	0% 22-Jul-23	31-Jul-23	03-May-23 12-May-23	-80		
No. 100       Pfd. 1 Lue 0. 11 more Analogy bescharty bescharty beschart Protect (1)       100       100       No. 100       No. 20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       <	PFab 1- Line 6		996	357	18-Sep-20 A	21-Mar-24	23-Feb-23 21-Mar-24	0		
No. 100       Pfd. 1 Lue 0. 11 more Analogy bescharty bescharty beschart Protect (1)       100       100       No. 100       No. 20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       100.20       <	Structure Eabrication		449	0	03-Eeb-21 A	16-Dec-22 A	23-Eeb-23 05-May-23			
Image: Solution of the Control Notice Solution of Solution		DEch 1 Line 6 Lat Elear Brimary & Secondary Steel Structure Echricate (Beem/Cloums/Distante)								
Bit Play 200         PP 1 Line - Array System in Sector         OP         OP         No. 2002 M May 20 (May 2)         D         D           Bit Tig 200         PP 1 Line - Array System in Sector in Sect										
Bit District         First Lands - Automaxy fand (name) fame) fame) fame (name) fame) fame (name) fame)         Table (name)         Table (name) <thtable (name)<="" th="">         Table (name)         Tabl</thtable>				0						
Not 100 100       PP 101 100 4 A Deplane lange lan	06-TPU-6-1060	PFab 1-Line 6 - Tertiary Structure Fabrication	169	0	100% 24-Dec-21 A	16-Dec-22 A	05-May-23 05-May-23			
Not 100 100       PP 101 100 4 A Deplane lange lan	06-TPU-6-1070	PFab 1-Line 6 - 3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	125	0	100% 25-Sep-21 A	13-May-22 A	28-Feb-23 28-Feb-23			1
International base international status into a st	06-TP11-6-1080	PEab 1-Line 6 - 4th & Ton Elcor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla	125	0	100% 03-Dec-21 A	20-May-22 A	12-Mar-23 12-Mar-23			
Bit Play-basis         Pla						-				
Image: Projection       Projec								-23		
Prode line         Prode l	06-TPU-6-1090	PFab 1-Line 6 - Set Assem bly tem porary support	28	0	100% 10-Nov-21 A	04-Dec-21 A	23-Feb-23 23-Feb-23			
Phy B 102         PP3 L Lun C DerRoy LLSZ/m -LLSZ/m +LUSZ/m +L	06-TPU-6-1100	PFab 1-Line 6 - 1st Floor(Below EL20.47m)Primary & Secondary Steel Structure Erection	60	0	100% 05-Dec-21 A	25-Feb-22 A	23-Feb-23 23-Feb-23			
Bit Nu 6 N2         PPs Lusé 6 drace LSS 3%-HLS 2%, PLL 27 Mp/File A Sector 20 HS 25, PLL 28,	06-TPU-6-1110	PFab 1-Line 6 - 2nd Floor(EL20.47m~EL26.72m) Primary & Secondary Steel Structure Erection	60	3	95% 08-Apr-22 A	02-Apr-23	23-Feb-23 25-Feb-23	-36		PFab 1-Line 6 - 2nd Floor(EL20.47m
Physical					•	· ·				PFab 1-Line 6 - 3rd Flo
Physical Physica			-	-		· ·				÷
No. Proj 0 (c)         Model is the Section (injunction (injunctin (injunctin) (injunctin (injunction (injunctin) (injunction (inj				-		· ·				PFab 1-Line 6 - 4
Image: Problem         Product Distance         Product Distance <td>06-TPU-6-1140</td> <td>PFab 1-Line 6 - Top Floor(EL47.22m~EL54.47m) Prim ary &amp; Secondary Steel Structure Erection</td> <td>30</td> <td>30</td> <td>0% 17-Apr-23</td> <td>16-May-23</td> <td>12-Mar-23 10-Apr-23</td> <td>-36</td> <td></td> <td>17-Apr-23</td>	06-TPU-6-1140	PFab 1-Line 6 - Top Floor(EL47.22m~EL54.47m) Prim ary & Secondary Steel Structure Erection	30	30	0% 17-Apr-23	16-May-23	12-Mar-23 10-Apr-23	-36		17-Apr-23
Production         Product	06-TPU-6-1150	PFab 1-Line 6 - Tertiary Structure Erection	144	59	59.03% 15-Apr-22 A	28-May-23	08-Mar-23 05-May-23	-23		
Production         Product	Mechanical Fabrication		270	0	18-Sep-20 A	17-Jun-22 A	23-Feb-23 23-Feb-23			
Image: Section         Image:		PEab 1 Line 6 Mechanical Ephrication (By yard)			· ·					
Prob         Prob <th< td=""><td></td><td>r rab r-Line o - Wechanicar rabilcation (by yaid)</td><td></td><td></td><td>· ·</td><td></td><td></td><td></td><td></td><td></td></th<>		r rab r-Line o - Wechanicar rabilcation (by yaid)			· ·					
Prob         Prob <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>										
Bit TU-6-117         Prick 1-Use 7         Prick 1-U	06-TPU-6-1160	PFab 1-Line 6 - Mechanical Installation - 1st Floor (Below EL20.47m) (Including Combustion Grate)	80	23	71.25% 03-Mar-22 A	22-Apr-23	23-Feb-23 17-Mar-23	-36		PFab 1-L
OP:UP-0-1100         Prize Lune 1. Medicinal instation - Marcing L20.2mm - L20.72mm (Londing Buile Ahl This         O         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D <thd< th="">         D         <thd< th="">        D</thd<></thd<>	06-TPU-6-1170	PFab 1-Line 6 - Mechanical Installation - 2nd Floor(EL20.47m~EL26.72m) (Including Deaerator)	80	23	71.25% 20-May-22 A	22-Apr-23	23-Feb-23 17-Mar-23	-36		PFab 1-L
Prior 10-1010         Prior 1-1-100         Prior 1-100         Prior 1-1-100         Prior 1-100         Prior 1-100         Prior 1-100 <td>06-TPU-6-1180</td> <td>PEab 1-Line 6 - Mechanical Installation - 3rd Floor( FL 26 72m~EL 37 72m) (Including Boiler Ash Tra</td> <td>80</td> <td>23</td> <td>71.25% 19-Aug-22 A</td> <td>22-Apr-23</td> <td>23-Eeb-23 17-Mar-23</td> <td>-36</td> <td></td> <td>DEab 11</td>	06-TPU-6-1180	PEab 1-Line 6 - Mechanical Installation - 3rd Floor( FL 26 72m~EL 37 72m) (Including Boiler Ash Tra	80	23	71.25% 19-Aug-22 A	22-Apr-23	23-Eeb-23 17-Mar-23	-36		DEab 11
Interple 1000         Figb 1 Line 0         Figb 1 L						· ·				
Prior         Prior <th< td=""><td></td><td></td><td></td><td>-</td><td></td><td>· ·</td><td></td><td>-30</td><td></td><td>PFab 1-L</td></th<>				-		· ·		-30		PFab 1-L
Bit Pice 1:200         Pirit 1: Line 5         Pirit 1: Li	06-TPU-6-1200	PFab 1-Line 6 - Mechanical Installation - Boiler Pre Assembly	105	0	100% 14-Jun-22 A	25-Aug-22 A	23-Mar-23 23-Mar-23			
Philip Fehrtation         190         9         9         9         24/4/2         12/4/2         24/4/2         12/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2         14/4/2	06-TPU-6-1240	PFab 1-Line 6 - Mechanical Installation - Boiler Lifting & Installation	80	2	97.5% 15-Nov-22 A	29-Apr-23	23-Mar-23 24-Mar-23	-36		
Pice 10:00         Pice 1 Lune 2:         Pice 1 Lune 2:         Pice 1 Lune 2:         Pice 2:         Pice 1 Lune 2:         Pice 2:         Pice 1 Lune 2:         Pice 1:         Pice 1: <td>Piping Fabrication</td> <td></td> <td>180</td> <td>13</td> <td>23-Mar-21 A</td> <td>12-Apr-23</td> <td>23-Feb-23 07-Mar-23</td> <td>-36</td> <td></td> <td>1</td>	Piping Fabrication		180	13	23-Mar-21 A	12-Apr-23	23-Feb-23 07-Mar-23	-36		1
Production         Prior Lunse - Prior Building         T2         T2         T2         T3         MM-22         Usual 20         State 20		PEab 1 Line 6 Pining Entrication								PFab 1-Line 6 - Piping
Pice Pice 1-000         Pice 1-1une 2-100		That Felle 6 - Fiping Fabrication				P				TT ab t-Line of tiping
Pite Patriculum         14 Apr:22A         50 box 22A         15 Marr 23         15										
El Fabrication         110         0         14.Apr.22A         05-02:2A         15-Mar.21         15-Mar.	06-TPU-6-1000	PFab 1-Line 6 - Piping Installation	72	72	0% 31-Mar-23*	10-Jun-23	23-Feb-23 05-May-23	-36		
Fight Installation         Sing         Sing <td>E&amp;I Fabrication</td> <td></td> <td>180</td> <td>0</td> <td>14-Apr-22 A</td> <td>30-Dec-22 A</td> <td>15-Mar-23 15-Mar-23</td> <td></td> <td></td> <td></td>	E&I Fabrication		180	0	14-Apr-22 A	30-Dec-22 A	15-Mar-23 15-Mar-23			
Fight Installation         Sing         Sing <td>06-TPU-6-1230</td> <td>PEab 1-Line 6 - E&amp;I Fabrication</td> <td>180</td> <td>0</td> <td>100% 14-Apr-22 A</td> <td>30-Dec-22 A</td> <td>15-Mar-23 15-Mar-23</td> <td></td> <td></td> <td></td>	06-TPU-6-1230	PEab 1-Line 6 - E&I Fabrication	180	0	100% 14-Apr-22 A	30-Dec-22 A	15-Mar-23 15-Mar-23			
Pice 1-Line 2         Pice 1-Line 2         EAI Cable Ladder Erection         45         46         0% 2AA/22         CALM22         CALM22 <thcalm22< th="">         CALM22         CALM</thcalm22<>								0		
P         PEab 1-Line 6 - EAI Cable Ladder Erection         46         64         64         76, 72, 72         10-June 2         22, 40, 72         0 Kmy 23         36, 66           B6 TPU 6-1200         PFab 1-Line 6 - Electrical Cable Pulling and Termination         188         188         0%         24, Aug 23         15, Fab 24         0.4         0           106 TPU 6-1200         PFab 1-Line 6 - Electrical Eduptomini Installation (fratalistion fy Yard)         26         28         0%         15, May 23         15, Fab 24         0.4         0           106 TPU 6-1200         PFab 1-Line 6 - Electrical Healt Transition (fratalistion fy Yard)         25         25         0%         17, May 23         16, May 23         366           106 TPU 6-1300         PFab 1-Line 6 - Instrument Cable Pulling and Termination         180         180         0%         24, May 23         17, Fab 24         0.0           105 TPU 6-1300         PFab 1-Line 6 - Instrument Cable Pulling and Termination         180         180         0%         16, May 23         0, Fab 24         0.0           105 TPU 6-1300         PFab 1-Line 6 - Instrument Cable Pulling and Termination         180         180         0%         16, May 23         0, Fab 24         0.0           105 TPU 6-1300         PFab 1-Line 6 - Instrument Cable Pulling and Termination <td></td> <td></td> <td></td> <td></td> <td>· · ·</td> <td></td> <td></td> <td></td> <td></td> <td></td>					· · ·					
Description         Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	06-TPU-6-1250	PFab 1-Line 6 - E&I Support Installation	45	45	0% 20-Apr-23*	03-Jun-23	15-Mar-23 28-Apr-23			20-Apr-23*
0e7TPU-6-1270         PFab 1-Line 6 - Electrical Guignern Installation         180         180         0%         24-Aug-23         0.6Fab 24         24-Aug-23         0.6Fab 24         0         1           0e7TPU-6-1280         PFab 1-Line 6 - Electrical Heat Trans in reliation (installation by Yard)         25         25         0%         16-May-23         10-Aug-23         0.6Fab 24         10-Aug-23         0.5Fab 24         0         1           0e7TPU-6-1280         PFab 1-Line 6 - Electrical Heat Trans in reliation (installation by Yard)         25         25         0%         17-May-23         11-Aug-23         0.5Fab 24         0         1           0e7TPU-6-1300         PFab 1-Line 6 - Instrument Cable Puling and Tamination         180         180         0%         12-Aug-23         0.5Fab 24         0.4ug-23         0.5Fab 24         0.4ug-23         0.5Fab 24         0.4ug-23         0.5Fab 24         0.4ug-23         0.5Fab 24         0.4ug 23         0.5Fab 24	06-TPU-6-1260	PFab 1-Line 6 - E&I Cable Ladder Erection	45	45	0% 27-Apr-23	10-Jun-23	22-Mar-23 05-May-23	-36		27-Apr-23
06-TPU-6-1200         PFab 1-Line 6 - Electricat Equipment Installation (Installation by Yard)         160         160         160-Aug-23         16-Aug-23         16-Aug-24         16-Aug-24         16-Aug-24         16-Aug-23         16-Aug-24	Electrical		280	280	16-May-23	19-Feb-24	10-Apr-23 19-Feb-24	0		1
06-TPU-6-1200         PFab 1-Line 6 - Electricat Equipment Installation (Installation by Yard)         160         160         160-Aug-23         16-Aug-23         16-Aug-24         16-Aug-24         16-Aug-24         16-Aug-23         16-Aug-24	06-TPU-6-1270	PEab 1-Line 6 - Electrical Cable Pulling and Termination	180	180	0% 24-Aug-23	19-Feb-24*	24-Aug-23 19-Eeb-24	0		
D6-TPU-6-1300         PFab 1-Line 6 - Electrical Heal Tracing Installation (installation by Yard)         26         26         0% 1 f LMay-23         10-Ju-23         10-Ju-23         10-Ju-23         10-Ju-23         05-May-23         36           Instrumet         106         77-May-23         10-Ju-23         10-Ju-24         10-Ju-24         10-Ju-24         10-Ju-24         10-Ju-24         10-Ju-24         10-Ju-24         10-Ju-23         10-Ju-23         10-Ju-23         10-Ju-24         10-Ju-24        <										
06-TPU-6-1330         PFab 1-Line 6 - MCC room installation (installation (install										
Instrument         194         194         10 Aug 23         19 Feb 24         10 Aug 23         19 Feb 24         10 Aug 23         19 Feb 24         0           06 TPU-6-1300         PFab 1-Line 6 - Instrument Equipment Installation         180         180         0% 24 Aug 23         19 Feb 24         10 Aug 23         19 Feb 24         0         0         0         0         0         0         10 Aug 23         05 Feb 24         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td>06-TPU-6-1290</td> <td>PFab 1-Line 6 - Electrical Heat Tracing Installation (Installation by Yard)</td> <td>26</td> <td>26</td> <td>0% 16-May-23*</td> <td>10-Jun-23</td> <td>10-Apr-23 05-May-23</td> <td>-36</td> <td></td> <td></td>	06-TPU-6-1290	PFab 1-Line 6 - Electrical Heat Tracing Installation (Installation by Yard)	26	26	0% 16-May-23*	10-Jun-23	10-Apr-23 05-May-23	-36		
06-TPU-6-1300         PFab 1-Line 6- Instrument Cable Pulling and Termination         180         180         0%         24-Aug-23         19-Feb 24         24-Aug-23         19-Feb 24         0         1           06-TPU-6-1300         PFab 1-Line 6- Instrument Equipment Installation         180         0%         16-Aug-23         05-Feb 24         0         0         1         0         1         0         1         0         0         1         0         0         1         0         0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td< td=""><td>06-TPU-6-1330</td><td>PFab 1-Line 6 - MCC room installation (Installation by Yard)</td><td>25</td><td>25</td><td>0% 17-May-23*</td><td>10-Jun-23</td><td>11-Apr-23 05-May-23</td><td>-36</td><td></td><td></td></td<>	06-TPU-6-1330	PFab 1-Line 6 - MCC room installation (Installation by Yard)	25	25	0% 17-May-23*	10-Jun-23	11-Apr-23 05-May-23	-36		
06-TPU-6-1300         PFab 1-Line 6- Instrument Cable Pulling and Termination         180         180         0%         24-Aug-23         19-Feb 24         24-Aug-23         19-Feb 24         0         1           06-TPU-6-1300         PFab 1-Line 6- Instrument Equipment Installation         180         0%         16-Aug-23         05-Feb 24         0         0         1         0         1         0         1         0         0         1         0         0         1         0         0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td< td=""><td>Instrument</td><td></td><td>194</td><td>194</td><td>10-Aug-23</td><td>19-Feb-24</td><td>10-Aug-23 19-Feb-24</td><td>0</td><td></td><td></td></td<>	Instrument		194	194	10-Aug-23	19-Feb-24	10-Aug-23 19-Feb-24	0		
06-TPU-6-1310         PFab 1-Line 6 - Instrument Equipment Installation         180         180         0%         10 Aug-23         05-Feb-24         10 Aug-23         05-Feb-24         0           06-TPU-6-1320         PFab 1-Line 6 - Instrument Tubing Installation         180         180         0%         10 Aug-23         05-Feb-24         10 Aug-24         0         10 Aug-24         10 Aug-24         0         10 Aug-24         10 Aug-24         05-Feb-24         00         10 Aug-24         10 Aug-24         05-Feb-24         00         10 Aug-24         05-Feb-24         00         10 Aug-24         05-Feb-24         06-Feg-24         00         10 Aug-24         05-Feb-24         00         10 Aug-24         05-Feb-24         00         10 Aug-24         05-Feb-24         00         10 Aug-24         05-Feb-24         00         10 Aug-24         10 Aug-24         10 Aug-24 <td></td> <td>PEab 1-Line 6 - Instrument Cable Pulling and Termination</td> <td>180</td> <td>180</td> <td></td> <td></td> <td>U U</td> <td></td> <td></td> <td></td>		PEab 1-Line 6 - Instrument Cable Pulling and Termination	180	180			U U			
06 TPU 6-1320         PFab 1-Line 6 - Instrument Tubing Ine allation         180         180         0%         10 Aug-23         05 Feb -24         10 Aug-23         05 Feb -24         0         1           Insulation         150         342         0%         06 Aug-24         06 Aug-24         06 Aug-24         06 Aug-24         06 Aug-24         0         1         0           06 TPU 6-100         PFab 1-Line 6 - Insulation         150         342         0%         06 Aug-24         06 Aug-24         06 Aug-24         0         1         0           06 TPU 6-1200         PFab 1-Line 6 - Insulation         06 0         06         06         06         02 - 2Jan-24         21 Aug-24         02 Aug-24         24 Aug-24         0         0           06 TPU 6-1000         PFab 1-Line 6 - Load Out & ready to ship         20         0         11 Jun-23         30 Jun-23         06 Aug-23         25 Aug-23         36         0           06 TPU 6-1300         PFab 1-Line 6 - DalV ctrip         10         0         01 Jul-23         10 Jul-23         10 Jul-23         26 Aug-23         04 Aug-23         36         0           06 TPU 6-1300         PFab 1-Line 6 - DalV ctrip         PFab 2         0         0         0         0         0 <td></td> <td>·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		·								
Insulation         150         342         08-Jul-22A         06-Mar-24         31-Mar-23         06-Mar-24         0           06-TPU-6-1010         PFab 1-Line 6 - Insulation         150         342         0%         08-Jul-22A         06-Mar-24         31-Mar-23         06-Mar-24         0           Precommissioning         60         60         22-Jan-24         21-Mar-24         22-Jan-24         21-Mar-24         22-Jan-24         21-Mar-24         0             0           0           0           0           0           0           0          0          0          0          0          0          0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         <							0			
Max	06-TPU-6-1320	PFab 1-Line 6 - Instrument Tubing Installation	180	180	0% 10-Aug-23	05-Feb-24	10-Aug-23 05-Feb-24	0		
Precommissioning         Second performance         66         60         92         21-Mar-24         21-Mar-24         21-Mar-24         21-Mar-24         0         1           06-TPU-6-1020         PFab 1-Line 6 - Dre-commissioning         60         60         60         60         60         60         21-Mar-24         21-Mar-24         21-Mar-24         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	Insulation		150	342	08-Jul-22 A	06-Mar-24	31-Mar-23 06-Mar-24	0		
Precommissioning         66         60         60         22 Jan-24         21 Mar-24         22 Jan-24         21 Mar-24         0         1           06-TPU-6-1020         PFab 1-Line 6 - Dre-commissioning         60         0         0%         21 Jan-24         21 Mar-24         22 Jan-24         21 Mar-24         0         1         1         1         1         1         1         0         1         1         0         1         1         0         1         1         0         1         0         0         1         0         0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	06-TPU-6-1010	PEab 1-Line 6 - Insulation	150	342	0% 08-Jul-22 A	06-Mar-24	31-Mar-23 06-Mar-24	0		
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Load out & Shipping       O       11-Jun-23       30-Jun-23       06-May-23       25-May-23										<u></u>
06-TPU-6-1030         PFab 1-Line 6 - Load Out & ready to ship         20         20         0%         11-Jun-23*         30-Jun-23         06-May-23         25-May-23        36           Delivery         10         01         01-Jul-23         10-Jul-23         10-Jul-23         10-Jul-23         04-Jun-23        36           06-TPU-6-1340         PFab 1-Line 6 - Delivery         10         0         0-Jul-23         10-Jul-23         10-Jul-23         04-Jun-23         04-Jun-23        36           Prabrication of Module (FGC)         963         324         11-Dec-20 A         17-Feb/24         0         0           PFab 2-Line 1         Structure Fabrication         457         211         21-Dec-22 A         14-Jan-23         24-Jan-23         0           06-FGC-1-110         PFab 2-Line 1 - Tertiary Structure Fabrication         492         0         23-Feb-21 A         16-Dec-22 A         14-Jan-23         24-Jan-23         0           06-FGC-1-110         PFab 2-Line 1 - Tertiary Structure Fabricate (Beam/Cloumn/Plate.etc)         120         0         100%         31-Mar-22A         16-Jan-23         4-Jan-23         0           06-FGC-1-1160         PFab 2-Line 1 - 3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)         120         0	06-TPU-6-1020	PFab 1-Line 6 - Pre-commissioning	60	60	0% 22-Jan-24	21-Mar-24*	22-Jan-24 21-Mar-24	0		 
Delivery         10         10         01-Jul-23         10-Jul-23         10-Jul-23         26-May-23         04-Jun-23         -36           06-TPU-6-1340         PFab 1-Line 6 - Delivery         10         10         0%         01-Jul-23         10-Jul-23         26-May-23         04-Jun-23         -36         10           Fabrication of Module (FGC)         963         324         11-Dec-20 A         17-Feb-24         30-Dec-22         17-Feb-24         0           PFab 2 - Line 1         857         218         21-Dec-20 A         13-Nov-23         14-Jan-23         24-Jan-23         0           Structure Fabrication         492         0         23-Feb-21 A         16-Dec-22 A         14-Jan-23         24-Jan-23         0           06-FGC-1110         PFab 2-Line 1 - Tertiary Structure Fabrication         188         0         100%         31-Mar-22 A         16-Dec-22 A         24-Jan-23         0           06-FGC-1110         PFab 2-Line 1 - Strolor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)         120         0         100%         23-Feb-21 A         16-Jan-23         16-Jan-23         0           06-FGC-11150         PFab 2-Line 1 - 3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)         120         0         100%	Load out & Shipping		20	20	11-Jun-23	30-Jun-23	06-May-23 25-May-23	-36		
Delivery         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         06-TPU-6-1340         PFab 1-Line 6 - Delivery         36         36           Fabrication of Module (FQC)         963         324         11-Dec-20A         17-Feb-24         30-Dec-22         17-Feb-24         0           PFab 2 - Line 1         8657         218         21-Dec-20A         03-Nov-23         14-Jan-23         03-Nov-23         0           Structure Fabrication         492         0         23-Feb-21A         16-Dec-22A         14-Jan-23         24-Jan-23         0           06-FGC-1:110         PFab 2-Line 1 - Tertiary Structure Fabrication         188         0         100%         31-Mar-22         24-Jan-23         24-Jan-23         0           06-FGC-1:110         PFab 2-Line 1 - Structure Fabricate (Beam/Cloumn/Plate.etc)         120         0         100%         23-Feb-21A         16-Dec-22A         14-Jan-23         24-Jan-23         0           06-FGC-1:110         PFab 2-Line 1 - Structure Fabricate (Beam/Cloumn/Plate.etc)         120         0         100%         23-Feb-21A         16-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23 </td <td>06-TPU-6-1030</td> <td>PFab 1-Line 6 - Load Out &amp; ready to ship</td> <td>20</td> <td>20</td> <td>0% 11-Jun-23*</td> <td>30-Jun-23</td> <td>06-May-23 25-May-23</td> <td>-36</td> <td></td> <td></td>	06-TPU-6-1030	PFab 1-Line 6 - Load Out & ready to ship	20	20	0% 11-Jun-23*	30-Jun-23	06-May-23 25-May-23	-36		
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Structure Fabrication         492         0         23-Feb-21A         16-Dec-22A         14-Jan-23         24-Jan-23         0         0         0           06-FGC-1-1110         PFab 2-Line 1 - Tertiary Structure Fabrication         188         0         100%         31-Mar-22A         16-Dec-22 A         24-Jan-23         24-Jan-23         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	Fabrication of Module (FGC		963							
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06-FGC-1140       PFab 2-Line 1 - 1st Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)       120       00       100%       23-Feb-21A       08-Nov-21A       14-Jan-23		PEab 2-Line 1 - Tertiary Structure Fabrication								
06-FGC-1-1150       PFab 2-Line 1 - 2nd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)       120       00       140model       12-Jan-22A       16-Jan-23       16-Jan-23 <td></td>										
06-FGC-1-1160       PFab 2-Line 1 - 3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)       120       00       1000       20-Jun-21 A       25-Mar-22 A       16-Jan-23										
06-FGC-1170       PFab 2-Line 1 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla       120       0       100%       15-Oct-21 A       31-May-22 A       24-Jan-23	06-FGC-1-1150	PFab 2-Line 1 - 2nd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0	100% 04-Jun-21 A	21-Jan-22 A	16-Jan-23 16-Jan-23		<u> </u>	
06-FGC-1-1170       PFab 2-Line 1 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla       120       0       100%       15-Oct-21 A       31-May-22 A       24-Jan-23	06-FGC-1-1160	PFab 2-Line 1 -3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0	100% 20-Jun-21 A	25-Mar-22 A	16-Jan-23 16-Jan-23			
Structure Erection         586         0         01-Apr-21 A         24-Mar-23 A         14-Jan-23         24-Jan-23         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M	06-FGC-1-1170	PFab 2-Line 1 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla		0	100% 15-Oct-21 A	31-Mav-22 A	24-Jan-23 24-Jan-23		1	
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18 0 100% 01-Apr-21 A 23-Apr-21 A 15-Jan-23 15-Jan-23		DEab O Line 1. Cat Age an blutan as an an an an			· · ·					
06-FGC-1-1010         PFab 2-Line 1 - 1st Floor (Below EL12.47m) Primary & Secondary Steel Structure Erection         60         0         100%         22-Aug-21 A         26-Nov-21 A         18-Jan-23         18-Jan-23	06-FGC-1-1010	PFab 2-Line 1 - 1st Floor (Below EL12.47m) Primary & Secondary Steel Structure Erection	60	0	100% 22-Aug-21 A	26-Nov-21 A	18-Jan-23 18-Jan-23		<u> </u>	
06-FGC-1-1020 PFab 2-Line 1 - 2nd Floor(EL12.47~ EL23.47m) Primary & Secondary Steel Structure Erection 60 0 100% 23-Dec-21 A 27-May-22 A 18-Jan-23 18-Jan-23 18-Jan-23 18-Jan-23 18-Jan-24 18-Jan-2	06-FGC-1-1020	PFab 2-Line 1 - 2nd Floor(EL12.47~ EL23.47m) Primary & Secondary Steel Structure Erection	60	0	100% 23-Dec-21 A	27-May-22 A	18-Jan-23 18-Jan-23			
06-FGC-1-1030 PFab 2-Line 1 - 3rd Floor(EL23.47~ EL34.47m) Primary & Secondary Steel Structure Erection 60 0 100% 15-Mar-22A 12-Sep-22A 16-Jan-23 16-Jan-23 16-Jan-23	06-FGC-1-1030	PFab 2-Line 1 - 3rd Floor(EL23.47~ EL34.47m) Primary & Secondary Steel Structure Erection	60	0					1	
						· ·			1	
06-FGC-1-1050         PFab 2-Line 1 - Top Floor Primary & Secondary Steel Structure Erection         60         0         100%         13-Sep-22 A         02-Dec-22 A         24-Jan-23         24-Jan-23         24-Jan-23	06-FGC-1-1050	PFab 2-Line 1 - lop Floor Primary & Secondary Steel Structure Erection	60	0	100% 13-Sep-22 A	02-Dec-22 A	24-Jan-23 24-Jan-23			
3-Month Rolling Programme (March 2023)         Page 11 of 22         Critical Remaining Work		ng Programme (March 2023)					Actu	al Work	<ul> <li>Critical Milestor</li> </ul>	

 $\diamond$ Milestone

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2023 May	Jun
66	67
Floor( EL26.72m~EL37.72m)Primary & - 4th Floor(EL37.72m~EL47.22m) Prim	teel Structure Erection, 02-Apr-23, 02-Apr-25 Secondary Steel Structure Erection, 12-Apr- ary & Secondary Steel Structure Erection, 16 Fab 1-Line 6 - Top Roor(EL4722m~EL54.47r PFab 1-Line 6 - Tertiary Structure Erection
-Line 6 - Mechanical Installation - 2nd F -Line 6 - Mechanical Installation - 3rd F -Line 6 - Mechanical Installation - 4th F	loor (Below EL20.47m) (Including Combustio Floor(EL20.47m~EL26.72m) (Including Deaer Floor(EL26.72m~EL37.72m) (Including Boiler Ioor(EL37.72m~EL47.22m) (Including Air Du
PFab 1-Line 6 - Mechanical Installati	ion - Boiler Lifting & Installation, 29-Apr-23, 2
ng Fabrication, 12-Apr-23, 12-Apr-23, P	Fab 1-Line 6 - Piping Fabrication
	10-Jun-23, PFab 1-Line
	03-Jun-23, PFab 1-Line 6 - E&I Su
	10-Jun-23, PFab 1-Line
16-May-23*	10-Jun-23, PFab 1-Line
17-May-23*	10-Jun-23, PFab 1-Line
	11-Jun-23*
	01-Jul-23

Index of the intermediate of the probability of the sector of the intermediate of the int	Ph2 1. Int         Ph2 2.		Activity Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finish	Late Start	Late Finish	Total Float	M64 Remarks	s Mar Apr
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Name of the set o	Name       Number       Numer       Number       Number	Mechanical Fabrication		270	0	21-Dec-20 A	09-Jul-22 A	14-Jan-23	14-Jan-23			
Prol Lot       ProlLot       ProlLot       P	Static Processor       Processor Processor Processor       Processor Processor       Processor Processor       Processor Processor       Processor Processor Processor Processor Processor       Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processor Processo	06-FGC-1-1180	PFab 2-Line 1 - Mechanical Fabrication (By yard)		-					70		
Price 1 unit of Price 1 Let - Let - Let - Control (Society Dec)       Price 1 Unit of Price 1 Let - Control (Society Dec)       Price 1 Unit of Price 1 Let - Control (Society Dec)       Price 1 Unit of Price 1 Let - Control (Society Dec)       Price 1 Unit of Price 1 Let - Control (Society Dec)       Price 1 Unit of Price 1 Let - Control (Society Dec)       Price 1 Unit of Price 1 Let - Control (Society Dec)       Price 1 Unit of Price 1 Let - Control (Society Dec)       Price 1 Unit of Price 1 Let - Price 1 L	Strict - 100       Proc Astes - 100 and procession and addres of an addres of a set of a		PEab 2-Line 1 - 1et Eloor (Below EL 12.47m) (Including Silencer ID fan)							-76		PEab 2.Line 1 - 1st Floor / Relow F11
PAG-0100       PAG 100 at 1 and 100 (100 (100 (100 (100 (100 (100 (100	SH2 51.01       Prid 2.501-75 (Prid 10000 (Instangle) manuer lossed (Instangle)       6       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	06-FGC-1-1080			-							PEab 2-Line 1 - 2nd Floor (FL 12 47~ I
upper basisupper basi	Number Service         Number	06-FGC-1-1090	PFab 2-Line 1 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)	60	3	95% 06-May-22 A	02-Apr-23	16-Jan-23	18-Jan-23	-74		
Sheep 100000000000000000000000000000000000	S S S C 10       P12 L V C 1997 Pac Junci 199		PFab 2-Line 1 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)		5		· ·			-76		PFab 2-Line 1 - 4th Floor (EL34
Biological ProblemBiological ProblemBiolo	Important in the intermediation in the intermediate in the intermedi	Piping Fabrication				,						
Pick 1 unitPick 2 un	Sindle 11       Image in the large primates       10       0       1000, 00, 00, 00, 00, 00, 00, 00, 00, 00		PFab 2-Line 1 - Piping Fabrication									1-Feb-23 A
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Alberton         Marketing         Marketing <th< td=""><td>Link with the second second</td><td>E&amp;I Fabrication</td><td></td><td>180</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Link with the second	E&I Fabrication		180								
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AFTO-1PRD-2 late:PRD-2 late: <td>M rol 1 (a)         PF2 Lut 1: El Cabuta Endos         PF2 Lut 1: El</td> <td>E&amp;I Installation</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td>	M rol 1 (a)         PF2 Lut 1: El Cabuta Endos         PF2 Lut 1: El	E&I Installation								0		
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OP 100 0 P1 2 Jun 1 - Linear leta large lineal and inclusion (section 2 with a section 2 wit	B#P6.5101       PP4.510-1		PFab 2-Line 1 - Electrical Cable Pulling and Term ination									
International (1997)         Prob 2 (1997) <thprob (1997)<="" 2="" th="">         Prob 2 (1997)         <thpro< td=""><td>unimate         130         30         <math>24 k k p &lt; 30</math> <math>24 k p &lt; 30</math> <math>84 k p &lt; 30</math></td><td>06-FGC-1-1260</td><td>PFab 2-Line 1 - Electrical Equipment Installation</td><td>120</td><td>120</td><td>0% 24-May-23</td><td>20-Sep-23</td><td>24-May-23</td><td>20-Sep-23</td><td>0</td><td></td><td></td></thpro<></thprob>	unimate         130         30 $24 k k p < 30$ $24 k p < 30$ $84 k p < 30$	06-FGC-1-1260	PFab 2-Line 1 - Electrical Equipment Installation	120	120	0% 24-May-23	20-Sep-23	24-May-23	20-Sep-23	0		
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66 / 60 / 100       Pizo Lui       intermed Case planting and hermitation       100       100       00, 14 May 2       36 9 20       14 May 2       36 9 20       1       1       1       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       0       1       1       0       1       1       0       1       1       0       1       0       1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td>BEF CD-100       PF2 b Line 1 here were Cope Public to grant matches       10       10       Ph CM-200       Ph CM-200<!--</td--><td></td><td>PFab 2-Line 1 - MCC room installation (Installation by Yard)</td><td>-</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td>PFab 2 Line 1 - MCC room installation (Install</td></td>	BEF CD-100       PF2 b Line 1 here were Cope Public to grant matches       10       10       Ph CM-200       Ph CM-200 </td <td></td> <td>PFab 2-Line 1 - MCC room installation (Installation by Yard)</td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PFab 2 Line 1 - MCC room installation (Install</td>		PFab 2-Line 1 - MCC room installation (Installation by Yard)	-	-							PFab 2 Line 1 - MCC room installation (Install
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mean         mean <th< td=""><td>Intervention         Intervention         Intervention&lt;</td><td>nsulation</td><td></td><td></td><td>203</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td></th<>	Intervention         Intervention<	nsulation			203			-				
ps         Pip2.Ling - Pip2.Ling - 2 (Ling - Ling - Ling - 2 (Ling - Ling - 2 (Ling	Bit PC-101         PTable Use 1 - Presentingsong         D0	06-FGC-1-1130	PFab 2-Line 1 - Insulation	150	203	0% 25-May-22 A	19-Oct-23	31-Mar-23	19-Oct-23	0		
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Pheto         Pheto <th< td=""><td>BF (2): 1.02       PFB 2: Lin 1: 1.02: 0.04 a cody to subp       10       4       40000       14.4002       27.402       70       50.40000       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       70       50.40000       70       50.40000       70       50.400000       70       70       50.400000       70       70       50.400000       70       70       50.4000000       70       70       50.400000000000000000000000000000000000</td><td></td><td>PFab 2-Line 1 - Pre-commissioning</td><td></td><td></td><td></td><td></td><td>· ·</td><td></td><td></td><td></td><td></td></th<>	BF (2): 1.02       PFB 2: Lin 1: 1.02: 0.04 a cody to subp       10       4       40000       14.4002       27.402       70       50.40000       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       50.40000       70       70       50.40000       70       50.40000       70       50.400000       70       70       50.400000       70       70       50.400000       70       70       50.4000000       70       70       50.400000000000000000000000000000000000		PFab 2-Line 1 - Pre-commissioning					· ·				
whery         ID         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <td>winty         10         16         144/pd2         244/pd2         244/pd2<td>· · · · · ·</td><td>PEab 2-Line 1 - Load Out &amp; ready to shin</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>30-Mar-23 A 30-Mar-23 A</td></td>	winty         10         16         144/pd2         244/pd2         244/pd2 <td>· · · · · ·</td> <td>PEab 2-Line 1 - Load Out &amp; ready to shin</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>30-Mar-23 A 30-Mar-23 A</td>	· · · · · ·	PEab 2-Line 1 - Load Out & ready to shin									30-Mar-23 A 30-Mar-23 A
Part Delivery         Pio 0         Pio 4.Apr 23         Sch 2.Mar 23	Opticizional         Phase Line 1- Derivery         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10		That 2 the F total Out a ready to ship	-								
Instrume         Other         File 2-1102         Stand 3	Hindle Field 21.4         Pite 21.00         Field 21.4         Field 22.4         Biole 22.4	06-FGC-1-1320	PFab 2-Line 1 - Delivery		10							14-Apr-23 23-A
Display         Display <t< td=""><td>01: 00: 20: 4000       PFis 2 Lune 2: https://max/s.fb.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/</td><td>Fab 2 - Line 2</td><td></td><td>857</td><td>218</td><td>05-Jan-21 A</td><td>03-Nov-23</td><td>30-Dec-22</td><td>03-Nov-23</td><td>0</td><td></td><td></td></t<>	01: 00: 20: 4000       PFis 2 Lune 2: https://max/s.fb.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/F.actual/	Fab 2 - Line 2		857	218	05-Jan-21 A	03-Nov-23	30-Dec-22	03-Nov-23	0		
BF-G2-2-1910       PFab 2-Une 2 - tal Floor Planey & Secondary Steel Structure Fabricate (Beam CloumPlate ed)       120       0       000       16,472-21       4/Lan-23       4	Die FGO-2110       Pfrab June 2 - Inf Toor Pomy A Secondry Stell Structure Fakricate (Baun-ChaumPitatek)       100       0006       16 Feb 2 - 114       12 Sep 2 4       <											
Bit GG 2: 170       Pfab 2: Line 2: der Flore Primary & Secondary Steel Structure Erication (Beam CloumnPhia Lei)       120       0       100%       19.4 pr. 21       0       10.4 m. 23       1.4 m. 23       1	06-F02-170       PFia 2-Line 2- 2nd Floor Primary & Secondary Steel Structure Fastrucia (Beam Claum Pfile action 2)       100       00       100       00       100       100       100       100       100       100       14-Jan 23       14-Jan 24       14-Jan 24 <td></td>											
BF-G2-2189       PFab 2.Ling 2 did Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloum/Pitae)te)       120       0       100%       15.4mp 2.21       14.4m 23       30.4mp 2.2       14.4m 23       30.4mp 2.2       14.4mp 2.3       14.4mp 2.	06 F60 2 100       PFa 2 Line 2 - 96 Roo Primary & Secondary Steel Structure Endotate (Beam/CloumPlanett)       120       0       100%       15 May 21A       16 May 21						· ·					
Instrume         Control         Contro         Control <thcontrol< th=""> <th< td=""><td>Instruction         SPEAD 2Line 2- Set Assembly temporty support         SPEAD 2Lin</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<></thcontrol<>	Instruction         SPEAD 2Line 2- Set Assembly temporty support         SPEAD 2Lin				-							
Displace         Pipe 2 Line 2 - Start Assembly tempory support         23         0         100%         01/Apr:21A         15/Apr:21A         15/Apr:23         15/Apr:	96-FGC-2-100       PFab 2-Une 2- Sin Ramity tong vary sport       20       0       100%       10-4/24       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26-21       15-4/26	06-FGC-2-1190	PFab 2-Line 2 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla	120	0	100% 01-Jul-21 A	14-Apr-22 A	30-Dec-22	30-Dec-22			
26 FGC - 1000       Pfab 2 Line 2 - 1st Floor (Below EL12 A/T) Primary & Secondary Steel Structure Erection       60       1006       09-00-2:1       27.49/22A       19-Jan 23	06-FGO-2100       PFiab 2-Line 2- its Flore (Beiow EL12 A7T)       PFina 2-Line 2- 3de Flore (L12A A7T)       PFina	tructure Erection		573	0	01-Apr-21 A	24-Mar-23 A	30-Dec-22	19-Jan-23			
36-FGC-2100       PFab 2-Line 2 - and Floor (EL1247 FE L23.47m) Primary & Secondary Stell Structure Erection       60       0       100%       09-Bne 2 IA       23-Snp 2A       19-Jan 23       19-Jan 24	06-FGO-21070       PFab 2-Line 2 - ord Flore(EL247 - EL24.27m) Primary 8 Secondary Steel Structure Erection       60       0       100% 10 - 00% 10 - 00% 12 - 20% 10 - 00% 14 - 20% 12 - 20% 14 - 20% 12 - 20% 14 - 20% 12 - 20% 14 - 20% 12 - 20% 14 - 20% 12 - 20% 14 - 20% 12 - 20% 14 - 20% 12 - 20% 14 - 20% 12 - 20% 14 - 20% 12 - 20% 14 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20% 12 - 20	06-FGC-2-1050			-	· · ·	· ·					
98-FGC-2:1080       PFab 2-Line 2 - MF Floor (EL3 47~ EL44 2m) Primary & Secondary Steel Structure Erection       66       0       100%       16-Mar-22A       23-Spp-2A       34-Jan-23       14-Jan-23       14-Jan-24       14	06-FGO-21000       PFab 2-Line 2 - 8th Ploy(EL24 47-1244 42m) Primary & Secondary Shee Shruture Erection       60       0       100% 10 Fma 2/4 an-23       4-Jan-23       4-Jan-24				-							
96-FGC-2-109       9Fab 2-Line 2 - thir Floor (EL34.47 = EL44.22m) Primary & Secondary Steel Structure Erection       60       100%       09-Apr.22A       20-Ber.22       14-Jan-23	06-FG2-100       PFab 2-Line 2 - the Floor (E1:34.7 = EL4 22m) Primary & Secondary Steel Structure Erection       60       0       100%       04-Apr-24       23-Spe-22       30-Dec-22       14-Jan-23       14-											
6+FGC-2:1100       PFab 2-Line 2 · bp Floor Primary & Secondary Steel Structure Erection       60       0       100%       01-Sep 22 A       24-Mar-23       14-Jan-23	6+GC-2+100       PFab 2-Line 2 - To Floor Primary & Secondary Steed Structure Erection       60       0       100%       01-Sep 22 A       12-Jan-23       14-Jan-23       <						· ·					
Instruction         March	Identical Fabrication         Yam         Prade 2-line 2 - Methanical Fabrication (Bry and)         Prade 2-line 2 - Methaning and)         Prade 2-line 2 - Methaning and and and			60	0							
PFab 2-Line 2 - Mechanical Fabrication (By yard)       270       00       100%       05 Jan 21       17 Jun 22A       30 - Dec -22       30 - Dec -22       10 - Jun 23       00 - Dec -23       10 - Jun 23       10 - Jun 23       10 - Jun 23       00 - Dec -23       10 - Jun 23       10 - Jun 23 <td>96-FGC-2:120       PFab 2-Line 2 - Mechanical Fabrication (By yard)       270       0       100%       05-Jan 21A       17-Jun 22A       04-Apr 23       00-Dec-22       19-Jan 23       -76         06-FGC-2:120       PFab 2-Line 2 - Ist Floor (Below EL12.47m) (Including Silencer ID fan)       66       0       100%       05-Jan 21A       17-Jan 23       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76</td> <td>06-FGC-2-1110</td> <td>PFab 2-Line 2 - Tertiary Structure Erection</td> <td>90</td> <td>0</td> <td>100% 01-Sep-22 A</td> <td>24-Mar-23 A</td> <td>14-Jan-23</td> <td>14-Jan-23</td> <td></td> <td></td> <td>PFab 2-Line 2 - Tertiary Structure Erection, 24</td>	96-FGC-2:120       PFab 2-Line 2 - Mechanical Fabrication (By yard)       270       0       100%       05-Jan 21A       17-Jun 22A       04-Apr 23       00-Dec-22       19-Jan 23       -76         06-FGC-2:120       PFab 2-Line 2 - Ist Floor (Below EL12.47m) (Including Silencer ID fan)       66       0       100%       05-Jan 21A       17-Jan 23       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76       -76	06-FGC-2-1110	PFab 2-Line 2 - Tertiary Structure Erection	90	0	100% 01-Sep-22 A	24-Mar-23 A	14-Jan-23	14-Jan-23			PFab 2-Line 2 - Tertiary Structure Erection, 24
echanical Erection         272         5         0         0.2 Jan-22         0.4 Apr-23         0.0 - Dec 22         19 Jan-23         -76         Image: Constraint of the const	echanical Erection       272       5       02-Jan-22A       04-Apr-23       03-Dac-22       19-Jan-23       -76       Prabe       Prabe <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
PFab 2-Line 2 - star Floor (Below EL12.47m) (Including Silencer ID fan)       66       0       100%       02-Jan-22A       31-Mar-23A       19-Jan-23       10-Jan-23	Be-FGC-2-1120       PFab 2-Line 2 - 1st Floor (Below EL12.47m) (Including Silencer ID fan)       60       0       100%, 02-Jan-22A       31-Mar-23A       19-Jan-23       19-Jan-		PFab 2-Line 2 - Mechanical Fabrication (By yard)					_		70		
PFab 2-Line 2 - 2nd Floor (EL12.47 - EL23.47m) (Including Dosing system bicar)       60       0       100%       25-Feb-22A       31-Mar-23A       19-Jan-23       10-Jan-23       10-Jan-23       19-Jan-23	96-6G-2-1130       PFab 2-Line 2 - 2nd Floor (EL12.47 - EL23.47m) (Including Dosing system bicar)       60       0       100%       25-Feb-22A       31-Mar-23A       19-Jan-23       14-Jan-23       14-Jan-23 </td <td>06-FGC-2-1200</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>30-Dec-22</td> <td>19-Jan-23</td> <td>-76</td> <td></td> <td>PEab 2-1 ine 2 - 1et Eloor (Below El</td>	06-FGC-2-1200						30-Dec-22	19-Jan-23	-76		PEab 2-1 ine 2 - 1et Eloor (Below El
PFab 2-Line 2 - 3rd Floor (EL23.47 - EL34.47m) (including Ash and residue to solidification)       60       5       91.67%       06-May-22       14-Jan-23       19-Jan-23       .76       PFab 2-Line 2 - 4th Floor (EL34.47 - EL44.22m) (Including Urea to ammonia convertor)       50       100%       03-Jun-22A       31-Mar-23A       30-Dec-22	D6-FGC-2-1140       PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solid fication)       60       5       91.67%       04-Apr-23       14-Jar-23       19-Jar-23       -76       PFab 2-Line 2 - 4th Floor (EL23.47~ EL34.47m) (Including Ash and residue to solid fication)       60       5       91.67%       06-Agr-23       14-Jar-23       14-Jar-24       14-Jar-24       14-Jar-24       14-Jar-24       14-Jar-23       14-Jar-24       14-Jar-24       14-Jar-24       14-Jar-24	06-FGC-2-1200 lechanical Erection	PEab 2 Line 2 Let Eleer (Pelew El 12 47m) (Including Silenear ID fan)				· ·	10 Jan 22	10 Jan 22			······································
96-FGC-2-1150       9Fab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)       50       0       100°       03-Jun-22A       31-Mar-23A       00-Dec-22       00-De	06-FGC-2:150       PFab 2-Line 2 - 4th Floor (EL34.47 - EL44.22m) (including Urea to ammonia convertor)       50       0       100%       03-Jun-22A       31-Mar-23A       03-Dec-22       20-Dec-22       20-De	06-FGC-2-1200 Iechanical Erection 06-FGC-2-1120		60	0	100% 02-Jan-22 A	31-Mar-23 A					
De-FGC-2-1210PFab 2-Line 2 - Piping Fabrication118011801001000101001010010100101001010010100101001010010100101001010010100101001010010100101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000101000010100001010000101000	0-FGC-2-1210       PFab 2-Line 2 - Piping Fabrication       180       0       100%       03-Jun-21 A       18-Nov-22 A       14-Jan-23       14	06-FGC-2-1200 <b>/echanical Erection</b> 06-FGC-2-1120 06-FGC-2-1130	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)	60 60	0	100% 02-Jan-22 A 100% 25-Feb-22 A	31-Mar-23 A 31-Mar-23 A	19-Jan-23	19-Jan-23	-76		PFab 2-Line 2 - 3rd Floor (EL
iping Installation150012-Aug-22A25-Nov-22A14-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-2314-Jan-23 <th< td=""><td>Injoing Installation       150       0       12-Aug-22A       25-Nov-22A       14-Jan-23       14-Jan-23</td><td>06-FGC-2-1200 lechanical Erection 06-FGC-2-1120 06-FGC-2-1130 06-FGC-2-1140</td><td>PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar) PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)</td><td>60 60 60</td><td>0 0 5</td><td>100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A</td><td>31-Mar-23 A 31-Mar-23 A 04-Apr-23</td><td>19-Jan-23 14-Jan-23</td><td>19-Jan-23 19-Jan-23</td><td>-76</td><td></td><td>PFab 2-Line 2 - 3rd Floor (EL</td></th<>	Injoing Installation       150       0       12-Aug-22A       25-Nov-22A       14-Jan-23	06-FGC-2-1200 lechanical Erection 06-FGC-2-1120 06-FGC-2-1130 06-FGC-2-1140	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar) PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)	60 60 60	0 0 5	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A	31-Mar-23 A 31-Mar-23 A 04-Apr-23	19-Jan-23 14-Jan-23	19-Jan-23 19-Jan-23	-76		PFab 2-Line 2 - 3rd Floor (EL
De Fab 2-Line 2 - Piping Installation       150       0       100       12 Aug-22 A       25 Nov-22 A       14 Jan-23       14	06-FGC-2-1000       PFab 2-Line 2 - Piping Installation       150       0       100%       12-Aug-22A       25-Nov-22A       14-Jan-23       14       14-Jan-23       0       0	06-FGC-2-1200 <b>Acchanical Erection</b> 06-FGC-2-1120 06-FGC-2-1130 06-FGC-2-1140 06-FGC-2-1150	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar) PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)	60 60 60 50	0 0 5 0	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A	31-Mar-23 A 31-Mar-23 A 04-Apr-23 31-Mar-23 A	19-Jan-23 14-Jan-23 30-Dec-22	19-Jan-23 19-Jan-23 30-Dec-22	-76		PFab 2-Line 2 - 3rd Floor (EL
&l Fabrication       180       0       14-Apr-22A       02-Dec-22 A       14-Jan-23	180       0       14-Apr-22A       02-Dec-22 A       14-Jan-23       14-Jan-23       14-Jan-23         06-FGC-2-1220       PFab 2-Line 2 - E&I Fabrication       180       0       100%       14-Apr-22A       02-Dec-22 A       14-Jan-23       0       14-Jan-23       14-Ja	06-FGC-2-1200 <b>lechanical Erection</b> 06-FGC-2-1120 06-FGC-2-1130 06-FGC-2-1140 06-FGC-2-1150 <b>Piping Fabrication</b> 06-FGC-2-1210	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar) PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification) PFab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)	60 60 60 50 180 180	0 0 5 0 0 0	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A           03-Jun-21 A         03-Jun-21 A	31-Mar-23 A 31-Mar-23 A 04-Apr-23 31-Mar-23 A 18-Nov-22 A 18-Nov-22 A	19-Jan-23           14-Jan-23           30-Dec-22           14-Jan-23           14-Jan-23	19-Jan-23 19-Jan-23 30-Dec-22 14-Jan-23 14-Jan-23	-76		PFab 2-Line 2 - 3rd Floor (EL
06-FGC-21220       PFab 2-Line 2 - E&I Fabrication       180       180       100%       14-Apr-22A       02-Dec-22A       14-Jan-23       14-Ja	06-FGC-2-1220       PFab 2-Line 2 - E&I Fabrication       180       0       100%       14-Apr-22A       02-Dec-22A       14-Jan-23       14-Jan-23       0       14-Jan-24       0       0       14-Jan-24       0       0       0       14-Jan-23       0       0       0       14-Jan-23       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <t< td=""><td>06-FGC-2-1200         <b>lechanical Erection</b>         06-FGC-2-1120         06-FGC-2-1130         06-FGC-2-1140         06-FGC-2-1150         <b>iping Fabrication</b>         06-FGC-2-1210         <b>iping Installation</b></td><td>PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)         PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)         PFab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)         PFab 2-Line 2 - Piping Fabrication</td><td>60 60 50 180 180</td><td>0 0 5 0 0 0 0</td><td>100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A           00%         03-Jun-21 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         12-Aug-22 A</td><td>31-Mar-23 A 31-Mar-23 A 04-Apr-23 31-Mar-23 A 18-Nov-22 A 18-Nov-22 A 25-Nov-22 A</td><td>19-Jan-23           14-Jan-23           30-Dec-22           14-Jan-23           14-Jan-23           14-Jan-23           14-Jan-23</td><td>19-Jan-23 19-Jan-23 30-Dec-22 14-Jan-23 14-Jan-23</td><td>-76</td><td></td><td>PFab 2-Line 2 - 3rd Floor (EL</td></t<>	06-FGC-2-1200 <b>lechanical Erection</b> 06-FGC-2-1120         06-FGC-2-1130         06-FGC-2-1140         06-FGC-2-1150 <b>iping Fabrication</b> 06-FGC-2-1210 <b>iping Installation</b>	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)         PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)         PFab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)         PFab 2-Line 2 - Piping Fabrication	60 60 50 180 180	0 0 5 0 0 0 0	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A           00%         03-Jun-21 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         12-Aug-22 A	31-Mar-23 A 31-Mar-23 A 04-Apr-23 31-Mar-23 A 18-Nov-22 A 18-Nov-22 A 25-Nov-22 A	19-Jan-23           14-Jan-23           30-Dec-22           14-Jan-23           14-Jan-23           14-Jan-23           14-Jan-23	19-Jan-23 19-Jan-23 30-Dec-22 14-Jan-23 14-Jan-23	-76		PFab 2-Line 2 - 3rd Floor (EL
06-FGC-2-1230       PFab 2-Line 2 - E&I Support Installation       45       0       100%       02-Dec-22 A       24-Mar-23 A       14-Jan-23	06-FGC-2-1230       PFab 2-Line 2 - E&I Support Installation       45       0       100%       02-Dec-22 A       24-Mar-23 A       14-Jan-23       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	06-FGC-2-1200 <b>lechanical Erection</b> 06-FGC-2-1120 06-FGC-2-1130 06-FGC-2-1140 06-FGC-2-1150 <b>Piping Fabrication</b> 06-FGC-2-1210 <b>Piping Installation</b> 06-FGC-2-1000	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)         PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)         PFab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)         PFab 2-Line 2 - Piping Fabrication	60 60 50 180 180 150 150	0 0 5 0 0 0 0 0 0	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         12-Aug-22 A           100%         12-Aug-22 A	31-Mar-23 A 31-Mar-23 A 04-Apr-23 31-Mar-23 A 18-Nov-22 A 18-Nov-22 A 25-Nov-22 A 25-Nov-22 A	19-Jan-23           14-Jan-23           30-Dec-22           14-Jan-23           14-Jan-23           14-Jan-23           14-Jan-23           14-Jan-23	19-Jan-23 19-Jan-23 30-Dec-22 14-Jan-23 14-Jan-23 14-Jan-23	-76		PFab 2-Line 2 - 3rd Floor (EL
D6-FGC-2-1240       PFab 2-Line 2 - E&I Cable Ladder Erection       45       0       100%       02-Dec-22 A       24-Mar-23 A       14-Jan-23       14-Jan-23       14-Jan-23	06-FGC-2-1240       PFab 2-Line 2 - E&I Cable Ladder Erection       45       0       100%       02-Dec-22 A       24-Mar-23 A       14-Jan-23       14-Jan-23       0       PFab 2-Line 2 - E&I Cable Ladder Erection         Electrical         Nonth Rolling Programme (March 2023)         Actual Work <ul> <li></li></ul>	06-FGC-2-1200 lechanical Erection 06-FGC-2-1120 06-FGC-2-1130 06-FGC-2-1140 06-FGC-2-1150 liping Fabrication 06-FGC-2-1210 liping Installation 06-FGC-2-1000 & FGC-2-1000	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)         PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)         PFab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)         PFab 2-Line 2 - Piping Fabrication         PFab 2-Line 2 - Piping Installation	60 60 50 180 180 150 150 150	0 0 5 0 0 0 0 0 0 0	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         12-Aug-22 A           100%         12-Aug-22 A           100%         14-Apr-22 A	31-Mar-23 A 31-Mar-23 A 04-Apr-23 31-Mar-23 A <b>18-Nov-22</b> A <b>18-Nov-22</b> A <b>25-Nov-22</b> A <b>25-Nov-22</b> A <b>02-Dec-22</b> A	19-Jan-23           14-Jan-23           30-Dec-22           14-Jan-23           14-Jan-23           14-Jan-23           14-Jan-23           14-Jan-23           14-Jan-23           14-Jan-23	19-Jan-23 19-Jan-23 30-Dec-22 14-Jan-23 14-Jan-23 14-Jan-23 14-Jan-23	-76		PFab 2-Line 2 - 3rd Floor (EL
	Electrical       188       134       08-Mar-23 A       04-Oct-23       14-Jan-23       04-Oct-23       0         Image: A ctual Work	06-FGC-2-1200 <b>Mechanical Erection</b> 06-FGC-2-1120 06-FGC-2-1130 06-FGC-2-1140 06-FGC-2-1150 <b>Piping Fabrication</b> 06-FGC-2-1210 <b>Piping Installation</b> 06-FGC-2-1000 <b>E FGC-2</b> -1220	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)         PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)         PFab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)         PFab 2-Line 2 - Piping Fabrication         PFab 2-Line 2 - Piping Installation	60 60 50 180 180 150 150 180 180	0 0 5 0 0 0 0 0 0 0 0 0	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         12-Aug-22 A           100%         12-Aug-22 A           100%         14-Apr-22 A           100%         14-Apr-22 A	31-Mar-23 A 31-Mar-23 A 04-Apr-23 31-Mar-23 A 18-Nov-22 A 18-Nov-22 A 25-Nov-22 A 25-Nov-22 A 02-Dec-22 A	19-Jan-23           14-Jan-23           30-Dec-22           14-Jan-23	19-Jan-23         19-Jan-23         30-Dec-22         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-24			PFab 2-Line 2 - 3rd Floor (EL
Electrical         188         134         08-Mar-23 A         04-Oct-23         14-Jan-23         04-Oct-23         0	Image: Semaining Programme (March 2023)         Image: Semaining Work	Mechanical Fabrication           06-FGC-2-1200           Mechanical Erection           06-FGC-2-1120           06-FGC-2-1130           06-FGC-2-1140           06-FGC-2-1150           Piping Fabrication           06-FGC-2-1210           Piping Installation           06-FGC-2-1200           E&I Fabrication           06-FGC-2-120           E&I Fabrication           06-FGC-2-120           E&I Installation           06-FGC-2-120	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)         PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)         PFab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)         PFab 2-Line 2 - Piping Fabrication         PFab 2-Line 2 - Piping Installation         PFab 2-Line 2 - E&I Fabrication	60 60 50 180 180 150 150 180 180 180 278	0 0 0 0 0 0 0 0 0 134	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         12-Aug-22 A           100%         12-Aug-22 A           100%         14-Apr-22 A           100%         14-Apr-22 A           00%         12-Dec-22 A	31-Mar-23 A 31-Mar-23 A 04-Apr-23 31-Mar-23 A 18-Nov-22 A 18-Nov-22 A 25-Nov-22 A 02-Dec-22 A 02-Dec-22 A 04-Oct-23	19-Jan-23           14-Jan-23           30-Dec-22           14-Jan-23           14-Jan-23	19-Jan-23         19-Jan-23         30-Dec-22         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         04-Dect-23			PFab 2-Line 2 - 3rd Floor (EL
	e 12 of 22	D6-FGC-2-1200 <b>lechanical Erection</b> D6-FGC-2-1120         D6-FGC-2-1130         D6-FGC-2-1140         D6-FGC-2-1150 <b>iping Fabrication</b> D6-FGC-2-1210 <b>iping Installation</b> D6-FGC-2-1200         &I Fabrication         D6-FGC-2-1220         &I Installation         D6-FGC-2-1230         D6-FGC-2-1240	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)         PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)         PFab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)         PFab 2-Line 2 - Piping Fabrication         PFab 2-Line 2 - Piping Installation         PFab 2-Line 2 - E&I Fabrication	60 60 50 180 180 150 150 180 180 278 45 45	0 0 0 0 0 0 0 0 0 134 0 0 0	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         12-Aug-22 A           100%         12-Aug-22 A           100%         14-Apr-22 A           100%         14-Apr-22 A           100%         02-Dec-22 A           100%         02-Dec-22 A           100%         02-Dec-22 A	31-Mar-23 A           31-Mar-23 A           04-Apr-23           31-Mar-23 A           18-Nov-22 A           25-Nov-22 A           02-Dec-22 A           02-Dec-22 A           04-Oct-23           24-Mar-23 A	19-Jan-23         14-Jan-23         30-Dec-22         14-Jan-23         14-Jan-23	19-Jan-23         19-Jan-23         30-Dec-22         14-Jan-23         14-Jan-23	0		PFab 2-Line 2 - 3rd Floor (EL PFab 2-Line 2 - 4th Floor (EL34.47~
		06-FGC-2-1200	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)         PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)         PFab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)         PFab 2-Line 2 - Piping Fabrication         PFab 2-Line 2 - Piping Installation         PFab 2-Line 2 - E&I Fabrication         PFab 2-Line 2 - E&I Support Installation         PFab 2-Line 2 - E&I Cable Ladder Erection	60 60 50 180 180 150 150 180 180 278 45 45	0 0 0 0 0 0 0 0 0 134 0 0 0	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         12-Aug-22 A           100%         12-Aug-22 A           100%         14-Apr-22 A           100%         14-Apr-22 A           100%         02-Dec-22 A           100%         02-Dec-22 A           100%         02-Dec-22 A	31-Mar-23 A           31-Mar-23 A           04-Apr-23           31-Mar-23 A           18-Nov-22 A           25-Nov-22 A           02-Dec-22 A           02-Dec-22 A           04-Oct-23           24-Mar-23 A	19-Jan-23         14-Jan-23         30-Dec-22         14-Jan-23         14-Jan-23	19-Jan-23         19-Jan-23         30-Dec-22         14-Jan-23         04-Oct-23         04-Oct-23	0		PFab 2-Line 2 - 3rd Floor (EL PFab 2-Line 2 - 4th Floor (EL34.47 PFab 2-Line 2 - 4th Floor (EL34.47 PFab 2-Line 2 - E&I Support Installation, 24-N PFab 2-Line 2 - E&I Support Installation, 24-N PFab 2-Line 2 - E&I Cable Ladder Erection, 2
		306-FGC-2-1200 <b>lechanical Erection</b> 306-FGC-2-1120         306-FGC-2-1130         306-FGC-2-1140         306-FGC-2-1150 <b>iping Fabrication</b> 306-FGC-2-1210 <b>iping Installation</b> 306-FGC-2-1200 <b>&amp;I Fabrication</b> 306-FGC-2-1220 <b>&amp;I Installation</b> 306-FGC-2-1230         306-FGC-2-1240 <b>Electrical</b>	PFab 2-Line 2 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)         PFab 2-Line 2 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)         PFab 2-Line 2 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)         PFab 2-Line 2 - Piping Fabrication         PFab 2-Line 2 - Piping Installation         PFab 2-Line 2 - E&I Fabrication         PFab 2-Line 2 - E&I Support Installation         PFab 2-Line 2 - E&I Cable Ladder Erection	60 60 50 180 180 150 150 180 180 278 45 45	0 0 0 0 0 0 0 0 0 134 0 0 0	100%         02-Jan-22 A           100%         25-Feb-22 A           91.67%         06-May-22 A           100%         03-Jun-22 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         03-Jun-21 A           100%         12-Aug-22 A           100%         12-Aug-22 A           100%         14-Apr-22 A           100%         14-Apr-22 A           100%         02-Dec-22 A           100%         02-Dec-22 A           100%         02-Dec-22 A	31-Mar-23 A           31-Mar-23 A           04-Apr-23           31-Mar-23 A           18-Nov-22 A           25-Nov-22 A           02-Dec-22 A           02-Dec-22 A           04-Oct-23           24-Mar-23 A	19-Jan-23         14-Jan-23         30-Dec-22         14-Jan-23         14-Jan-23	19-Jan-23         19-Jan-23         30-Dec-22         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         14-Jan-23         04-Oct-23         14-Jan-23         04-Oct-23         14-Jan-23         04-Oct-23         14-Jan-23         04-Oct-23	0 aining Wc		PFab 2-Line 2 - 3rd Floor (EL PFab 2-Line 2 - 4th Floor (EL34.47 PFab 2-Line 2 - 4th Floor (EL34.47 PFab 2-Line 2 - E&I Support Installation, 24- PFab 2-Line 2 - E&I Support Installation, 24- PFab 2-Line 2 - E&I Cable Ladder Erection, 3 Actual Milestone

ct No. EP/SP/66/12	
	最度保護署 Environmental Protection Department
Facilities, Phase 1	
May 66	Jun 67
/ar-23 A	
.47m) (Including Silencer ID fan), 31-I	
L23.47m) (Including Dosing system b	vicar), 31-Mar-23 A due to sol idi fication), 02-Apr-23, 02-Apr-23, Pf
	amonia convertor), 04-Apr-23, 04-Apr-23, PFa
23 A	
Mar-23 A	
	07-Jun-23
24-May-23 💻	
ion (Installation by Yard), 24-Mar-23 A	
ion by Yard), 24-Mar-23 A	
	07-Jun-23
24-May-23 💻	
24-May-23	
d Out & ready to ship, 13-Apr-23, 13-A	Apr-23, PFab 2-Line 1 - Load Out & ready to sh
	······
r-23, PFab 2-Line 1 - Delivery	
/ar-23 A	
.47m) (Including Silencer ID fan), 31-I	
L23.47m) (Including Dosing system b 47~ EL34.47m) (Including Ash and re	oicar), 31-Mar-23 A ssidue to solidification), 04-Apr-23, 04-Apr-23,
L44.22m) (Including Urea to ammonia	
······	
r-23 A	
Mar-23 A	

	Activity Name	Original Duration	Remaining Duration	Activity % Cur Complete	rrent Start	Current Finish	Late Start	Late Finish	Total Float M64 Remarks		Mar	Apr
06-FGC-2-1250	PFab 2-Line 2 - Electrical Cable Pulling and Termination	120	120		-Jun-23	04-Oct-23*	06 Jun 22	04-Oct-23	0		64	65
	PFab 2-Line 2 - Electrical Stable Family and Territriation	120	120		-May-23	20-Sep-23		20-Sep-23	0			     
06-FGC-2-1270	PFab 2-Line 2 - Electrical Heat Tracing Installation (Installation by Yard)	17	0			24-Mar-23 A	-	14-Jan-23		r-23 A 🗖	PFab 2	Line 2 - Electrical Heat Tracing Insta
06-FGC-2-1310	PFab 2-Line 2 - MCC room installation (Installation by Yard)	17	0	100% 08	-Mar-23 A	24-Mar-23 A	14-Jan-23	14-Jan-23		r-23 A 🗖	PFab 2	Line 2 - MCC room installation (Insta
Instrument		134	134	23	-May-23	04-Oct-23	23-May-23	04-Oct-23	0			
	PFab 2-Line 2 - Instrument Cable Pulling and Termination	120	120		-Jun-23	04-Oct-23*		04-Oct-23	0			
	PFab 2-Line 2 - Instrument Equipment Installation	120	120		-May-23	20-Sep-23		20-Sep-23	0			
06-FGC-2-1300	PFab 2-Line 2 - Instrument Tubing Installation	120 203	120 203		-May-23	20-Sep-23 19-Oct-23	23-May-23 30-Mar-23	· · ·	0			
	PFab 2-Line 2 - Insulation	203	203			19-Oct-23	30-Mar-23		0			
Precommissioning		60	60		-Sep-23	03-Nov-23		03-Nov-23	0			
J J	PFab 2-Line 2 - Pre-commissioning	60	60		-Sep-23	03-Nov-23*		03-Nov-23	0			
Load out & Shipping		20	14	30	-Mar-23 A	13-Apr-23	14-Jan-23	28-Jan-23	-76			
06-FGC-2-1030	PFab 2-Line 2 - Load Out & ready to ship	20	14	30% 30	-Mar-23 A	13-Apr-23	14-Jan-23	28-Jan-23	-76	3	80-Mar-23 A, 30-Mar-23 A 🛛	PFab 2-Line 2 - I
Delivery		10	10		-Apr-23	23-Apr-23		06-Feb-23	-76			
06-FGC-2-1320	PFab 2-Line 2 - Delivery	10	10		-Apr-23	23-Apr-23		06-Feb-23	-76			14-Apr-23 23
PFab 2 - Line 3 Structure Fabrication		902 373	263 0			18-Dec-23 16-Dec-22 A		18-Dec-23	0			1
	PFab 2-Line 3 - Tertiary Structure Fabrication	180	0			16-Dec-22 A						
06-FGC-3-1120	PFab 2-Line 3 - 1st Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0			12-Sep-21 A						
06-FGC-3-1130	PFab 2-Line 3 - 2nd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0			04-Dec-21 A						
06-FGC-3-1140	PFab 2-Line 3 -3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0	100% 02	-Jul-21 A	18-Mar-22 A	16-Jan-23	16-Jan-23				
06-FGC-3-1160	PFab 2-Line 3 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla	120	0	100% 15	-Jul-21 A	15-Apr-22 A	14-Feb-23	14-Feb-23				
Structure Erection		589	16	01	-May-21 A	15-Apr-23	15-Jan-23	17-Mar-23	-29			
	PFab 2-Line 3 - Set Assem bly tem porary support	23	0			08-May-21 A						
06-FGC-3-1050	PFab 2-Line 3 - 1st Floor (Below EL12.47m) Primary & Secondary Steel Structure Erection	60	0			26-Nov-21 A		15-Jan-23				
	PFab 2-Line 3 - 2nd Floor(EL12.47~ EL23.47m) Primary & Secondary Steel Structure Erection	60	0			10-Jun-22 A		14-Feb-23				
06-FGC-3-1070 06-FGC-3-1080	PFab 2-Line 3 - 3rd Floor(EL23.47~ EL34.47m) Primary & Secondary Steel Structure Erection PFab 2-Line 3 - 4th Floor (EL34.47~ EL44.22m) Primary & Secondary Steel Structure Erection	60 60	0			23-Sep-22 A 16-Dec-22 A	16-Jan-23 14-Feb-23			Dec-22 A		
06-FGC-3-1090	PFab 2-Line 3 - 40 Floor Primary & Secondary Steel Structure Erection	60	0			16-Dec-22 A				Dec-22 A		
	PFab 2-Line 3 - Tertiary Structure Erection	60	16					17-Mar-23	-29			PEab 2-Line
Mechanical Fabrication		270	0			09-Jul-22 A	15-Jan-23					
	PFab 2-Line 3 - Mechanical Fabrication (By yard)	270	0	100% 05	-Jan-21 A	09-Jul-22 A	15-Jan-23	15-Jan-23				
Mechanical Erection		303	31	02	-Jan-22 A	30-Apr-23	15-Jan-23	14-Feb-23	-75			1
06-FGC-3-1000	PFab 2-Line 3 - 1st Floor (Below EL12.47m) (Including Silencer ID fan)	60	31	48.33% 02	-Jan-22 A	30-Apr-23	15-Jan-23	14-Feb-23	-75			
	PFab 2-Line 3 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)	60	30			30-Apr-23		14-Feb-23	-75			
	PFab 2-Line 3 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)	60	30			30-Apr-23		14-Feb-23	-75			
06-FGC-3-1030	PFab 2-Line 3 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)	50	30			30-Apr-23		14-Feb-23	-75			
Piping Fabrication 06-FGC-3-1210	PFab 2-Line 3 - Piping Fabrication	180 180	32	82.22% 03		01-May-23		15-Feb-23 15-Feb-23	-75 -75			
Piping Installation	Prao 2-Line 3 - Piping Paorication	77	32 59			31-May-23		17-Mar-23	-75			
06-FGC-3-1150	PFab 2-Line 3 - Piping Installation	77	59					17-Mar-23	-75			
E&I Fabrication		180	0			02-Dec-22 A						
06-FGC-3-1220	PFab 2-Line 3 - E&I Fabrication	180	0	100% 14	-Apr-22 A	02-Dec-22 A	25-Jan-23	25-Jan-23				
E&I Installation		246	246	10	-Apr-23	11-Dec-23	25-Jan-23	11-Dec-23	0			1
06-FGC-3-1230	PFab 2-Line 3 - E&I Support Installation	45	45	0% 10	-Apr-23*	24-May-23	25-Jan-23	10-Mar-23	-75			10-Apr-23*
06-FGC-3-1240	PFab 2-Line 3 - E&I Cable Ladder Erection	45	45	0% 17	-Apr-23	31-May-23		17-Mar-23	-75			17-Apr-23
Electrical		220	220		-May-23	11-Dec-23		11-Dec-23	0			ļ
06-FGC-3-1250	PFab 2-Line 3 - Electrical Cable Pulling and Term ination	120	120		-Aug-23	11-Dec-23*	-	11-Dec-23	0			
06-FGC-3-1260	PFab 2-Line 3 - Electrical Equipment Installation	120	120		-Jul-23	27-Nov-23		27-Nov-23	0			
06-FGC-3-1270 06-FGC-3-1310	PFab 2-Line 3 - Electrical Heat Tracing Installation (Installation by Yard) PFab 2-Line 3 - MCC room installation (Installation by Yard)	26 25	26 25		-May-23* -May-23*	31-May-23 31-May-23		17-Mar-23 17-Mar-23	-75 -75			; ;
Instrument		134	134		-Jul-23	11-Dec-23		11-Dec-23	0			
06-FGC-3-1280	PFab 2-Line 3 - Instrument Cable Pulling and Termination	120	120		-Aug-23	11-Dec-23		11-Dec-23	0			
06-FGC-3-1290	PFab 2-Line 3 - Instrument Equipment Installation	120	120		-Jul-23	27-Nov-23	-	27-Nov-23	0			
06-FGC-3-1300	PFab 2-Line 3 - Instrument Tubing Installation	120	120	0% 31	-Jul-23	27-Nov-23	31-Jul-23	27-Nov-23	0			1
Insulation		60	60	08	-Oct-23	06-Dec-23	08-Oct-23	06-Dec-23	0			1
06-FGC-3-1170	PFab 2-Line 3 - Insulation	60	60	0% 08	-Oct-23	06-Dec-23	_	06-Dec-23	0			
Precommissioning		60	60		-Oct-23	18-Dec-23		18-Dec-23	0			
	PFab 2-Line 3 - Pre-commissioning	60	60		-Oct-23	18-Dec-23*	_	18-Dec-23	0			
Load out & Shipping		20	20 20		-Jun-23	20-Jun-23		06-Apr-23	-75			
06-FGC-3-1200 Delivery	PFab 2-Line 3 - Load Out & ready to ship	20 10	20		-Jun-23 -Jun-23	20-Jun-23* 30-Jun-23		06-Apr-23 16-Apr-23	-75 -75			+
06-FGC-3-1320	PFab 2-Line 3 - Delivery	10	10		-Jun-23	30-Jun-23	07-Apr-23		-75			
PFab 2 - Line 4		902	263			18-Dec-23		18-Dec-23	0			     
Structure Fabrication		360	0	15	-Apr-21 A	16-Dec-22 A	17-Jan-23	19-Feb-23				

♦ Milestone

ct No. EP/SP/66/12 Facilities, Phase 1	環境保護署 Environmental Protection Department
2023 May	Jun
66	67 06-Jun-23
23-May-23 ion (Instal ation by Yard), 24-Mar-23 A tion by Yard), 24-Mar-23 A	
	06-Jun-23
23-May-23 23-May-23 23-May-23	
ad Out & ready to ship, 13-Apr-23, 13-Ap	or-23, PFab 2-Line 2 - Load Out & ready to sh
or-23, PFab 2-Line 2 - Delivery	
, <u></u>	
Tertiary Structure Erection, 15-Apr-23, 1	5-Apr-23, PFab 2-Line 3 - Tertiary Structure E
<ul> <li>PFab 2-Line 3 - 2nd Floor (EL12.47</li> <li>PFab 2-Line 3 - 3rd Floor (EL23.47-</li> </ul>	12.47m) (Including Silencer ID fan), 30-Apr- ~ EL23.47m) (Including Dosing system bicar ~ EL34.47m) (Including As h and residue to so ~ EL44.22m) (Including Urea to ammonia con
PFab 2-Line 3 - Piping Fabrication	n, 01-May-23, 01-May-23, PFab 2-Line 3 - Pip
	PFab 2-Line 3 - Piping Installation, 31-
24-	May-23, PFab 2-Line 3 - E&I Support Installa
	31-May-23, PFab 2-Line 3 - E&I Cable
lay-23*	31-May-23, PFab 2-Line 3 - Electrical
May-23*	31-May-23, PFab 2-Line 3 - MCC room
01-Jun	23 20-Jun-23*
	21-Jun-23

	Activity Name	Original Duration	Duration	Activity % Current Si Complete	art Curre	ent Finish	Late Start I	ate Finish	Remar	ks	Mar	Apr	May		Jun
06-FGC-4-1150	PFab 2-Line 4 - Tertiary Structure Fabrication	180	0	100% 25-Oct	-21 A 16-[	Dec-22 A	19-Feb-23	19-Feb-23			64	65	66		67
06-FGC-4-1160	PFab 2-Line 4 - 1st Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0	100% 15-Apr	-21 A 25-N	Nov-21 A	17-Jan-23	17-Jan-23							
06-FGC-4-1170	PFab 2-Line 4 - 2nd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0	100% 10-Jun	-21 A 18-N	Mar-22 A	14-Feb-23	14-Feb-23							
06-FGC-4-1180	PFab 2-Line 4 -3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0												
06-FGC-4-1190	PFab 2-Line 4 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla	120	0												
O6-FGC-4-1080	PFab 2-Line 4 - Set Assem bly tem porary support	592 23	38 0	10-May 100% 10-May	-21 A 07-N		15-Jan-23		-51						
06-FGC-4-1090	PFab 2-Line 4 - Set Assembly temporary support PFab 2-Line 4 - 1st Floor (Below EL12.47m) Primary & Secondary Steel Structure Erection	60	0	100% 10-May			14-Feb-23								
06-FGC-4-1100	PFab 2-Line 4 - 2nd Floor (EL12.47~ EL23.47m) Primary & Secondary Steel Structure Erection	60	0												
06-FGC-4-1110	PFab 2-Line 4 - 3rd Floor(EL23.47~ EL34.47m) Primary & Secondary Steel Structure Erection	60	0	100% 02-Feb											
06-FGC-4-1120	PFab 2-Line 4 - 4th Floor (EL34.47~ EL44.22m) Primary & Secondary Steel Structure Erection	60	21	65% 12-Mar	-22 A 20-A	Apr-23	15-Jan-23 (	04-Feb-23	-75			PFab 2-Line	4 - 4th Floor (EL34.47~ EL4	44.22m) Primary & Sec	condary Steel Structure
06-FGC-4-1130	PFab 2-Line 4 - Top Floor Primary & Secondary Steel Structure Erection	60	38	36.67% 08-Sep	-22 A 07-N	May-23	08-Feb-23	17-Mar-23	-51				PFab 2-Line 4 - 1	Top Floor Primary & Se	condary Steel Structu
06-FGC-4-1140	PFab 2-Line 4 - Tertiary Structure Erection	90	27	70% 14-Sep			19-Feb-23		-51				PFab 2-Line 4 - 1	Tertiary Structure Erect	ion, 07-May-23, 07-Ma
Mechanical Fabrication	DE-b O Line 4. Machinel E-brieffer (Deured)	270	0				17-Jan-23								
06-FGC-4-1200 Mechanical Erection	PFab 2-Line 4 - Mechanical Fabrication (By yard)	270 263	0 31		-21 A 17-0 -21 A 30-7		17-Jan-23		-75						
06-FGC-4-1040	PFab 2-Line 4 - 1st Floor (Below EL12.47m) (Including Silencer ID fan)	60		48.33% 24-Dec			15-Jan-23		-75				PFab 2-Line 4 - 1st Floor (	Below EL12.47m) (Incl	uding Silencer ID fan)
06-FGC-4-1050	PFab 2-Line 4 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)	60		51.67% 04-Feb			17-Jan-23		-75				PFab 2-Line 4 - 2nd Floor	`	
06-FGC-4-1060	PFab 2-Line 4 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification)	60	28				18-Jan-23		-75				PFab 2-Line 4 - 3rd Floor (		
06-FGC-4-1070	PFab 2-Line 4 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)	60	29	51.67% 06-May	-22 A 30-A	Apr-23	17-Jan-23	14-Feb-23	-75				PFab 2-Line 4 - 4th Floor (	EL34.47~ EL44.22m) (	Including Urea to amr
Piping Fabrication		180	32		-21 A 01-M		07-Feb-23		-52						
06-FGC-4-1210	PFab 2-Line 4 - Piping Fabrication	180		82.22% 09-Jun			07-Feb-23		-52				PFab 2-Line 4 - Piping Fa	abrication, 01-May-23, (	01-May-23, PFab 2-Lii
Piping Installation		57	24		-23 A 31-M		22-Feb-23		-75						
06-FGC-4-1000	PFab 2-Line 4 - Piping Installation	57 180	24	57.89% 03-Mar	-23 A 31-M -22 A 31-M	,	22-Feb-23		-75 -65					PFab 2	2-Line 4 - Piping Instal
06-FGC-4-1220	PFab 2-Line 4 - E&I Fabrication	180	0				24-Jan-23 2		-65			   PFab 2-Line 4 - E&I Fabrication, 31-Mar-	23 31-Mar-23 PEab 2-Line	e 4 - E&I Fabrication	
E&I Installation		246	246	10-Apr			25-Jan-23		0						
06-FGC-4-1230	PFab 2-Line 4 - E&I Support Installation	45	45	0% 10-Apr	-23* 24-1	May-23	25-Jan-23	10-Mar-23	-75			10-Apr-23*		24-May-23, PFat	o 2-Line 4 - E&I Suppo
06-FGC-4-1240	PFab 2-Line 4 - E&I Cable Ladder Erection	45	45	0% 17-Apr	-23 31-1	May-23	01-Feb-23	17-Mar-23	-75			17-Apr-23		31-May	-23, PFab 2-Line 4 - E
Electrical		220	220	06-May	-23 11-0	Dec-23	20-Feb-23	11-Dec-23	0						
06-FGC-4-1250	PFab 2-Line 4 - Electrical Cable Pulling and Term ination	120	120	0% 14-Aug			14-Aug-23		0						
06-FGC-4-1260	PFab 2-Line 4 - Electrical Equipment Installation	120	120	0% 31-Jul-			31-Jul-23 2		0						
06-FGC-4-1270 06-FGC-4-1310	PFab 2-Line 4 - Electrical Heat Tracing Installation (Installation by Yard)	26	26	0% 06-May		,	20-Feb-23		-75			06-May-	<u></u>	<u></u>	-23, PFab 2-Line 4 - E
Instrument	PFab 2-Line 4 - MCC room installation (Installation by Yard)	25 134	25 134	0% 07-May 31-Jul-		,	21-Feb-23		-75			07-May	y-23	31-May	-23, PFab 2-Line 4 - N
06-FGC-4-1280	PFab 2-Line 4 - Instrument Cable Pulling and Termination	120	120	0% 14-Aug			14-Aug-23		0						
06-FGC-4-1290	PFab 2-Line 4 - Instrument Equipment Installation	120	120	0% 31-Jul-			31-Jul-23 2		0						
06-FGC-4-1300	PFab 2-Line 4 - Instrument Tubing Installation	120	120	0% 31-Jul-	23 27-1	Nov-23	31-Jul-23 2	27-Nov-23	0						
Insulation		60	60	08-Oct	-23 06-0	Dec-23	08-Oct-23 (	06-Dec-23	0						
06-FGC-4-1010	PFab 2-Line 4 - Insulation	60	60	0% 08-Oct			08-Oct-23 (		0						
Precommissioning		60	60	20-Oct		Dec-23	20-Oct-23		0						
06-FGC-4-1020 Load out & Shipping	PFab 2-Line 4 - Pre-commissioning	60 20	60 20	0% 20-Oct 01-Jun		Dec-23* Jun-23	20-Oct-23 18-Mar-23 0		0 -75						
06-FGC-4-1030	PFab 2-Line 4 - Load Out & ready to ship	20	20	0% 01-Jun		Jun-23	18-Mar-23 (		-75					01-Jun-23*	2
Delivery		10	10	21-Jun			07-Apr-23		-75	-					
06-FGC-4-1320	PFab 2-Line 4 - Delivery	10	10	0% 21-Jun			07-Apr-23	16-Apr-23	-75						21-Jun-23 📕
Fab 2 - Line 5		963	324	05-Jan	-21 A 17-F	Feb-24	27-Jan-23	17-Feb-24	0						
Structure Fabrication		471	0	01-May	-21 A 16-[	Dec-22 A	27-Jan-23 2	28-May-23							
06-FGC-5-1110	PFab 2-Line 5 - Tertiary Structure Fabrication	167	0				-								
06-FGC-5-1120	PFab 2-Line 5 - 1st Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0	100% 01-May											
06-FGC-5-1130 06-FGC-5-1140	PFab 2-Line 5 - 2nd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc) PFab 2-Line 5 -3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120 120	0	100% 25-Jul- 100% 02-Sep											
06-FGC-5-1150	PFab 2-Line 5 - 3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc) PFab 2-Line 5 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0	· ·		•									
Structure Erection		591	75		21 A 13-J		27-Jan-23 2		-16						
06-FGC-5-1040	PFab 2-Line 5 - Set Assem bly tem porary support	28	0												
06-FGC-5-1050	PFab 2-Line 5 - 1st Floor (Below EL12.47m) Primary & Secondary Steel Structure Erection	60	0	100% 28-Oct	-21 A 07	Jan-22 A	27-Jan-23	27-Jan-23							
06-FGC-5-1060	PFab 2-Line 5 - 2nd Floor(EL12.47~ EL23.47m) Primary & Secondary Steel Structure Erection	60	0	100% 08-Jan											
06-FGC-5-1070	PFab 2-Line 5 - 3rd Floor(EL23.47~ EL34.47m) Primary & Secondary Steel Structure Erection	60	0	100% 20-Apr							PFa	2-Line 5 - 3rd Floor(EL23.47~ EL34.47m) Pri			
06-FGC-5-1080	PFab 2-Line 5 - 4th Floor (EL34.47~ EL44.22m) Primary & Secondary Steel Structure Erection	60	15	75% 20-May			13-Feb-23 2		-46				loor (EL34.47~ EL44.22m)	Primary & Secondary	
06-FGC-5-1090 06-FGC-5-1100	PFab 2-Line 5 - Top Floor Primary & Secondary Steel Structure Erection PFab 2-Line 5 - Tertiary Structure Erection	60 90	60 18	0% 15-Apr 80% 12-Sep			28-Feb-23 2 11-May-23 2	· ·	-46 41			15-Apr-23	2-Line 5 - Tertiary Structure	e Frection PEab 2 Line	13-Jun-23
lechanical Fabrication		90 270	0	· · ·	-22 A 17-A		27-Jan-23 2		41			17-Apr-23, PFa0	Z-LINE J - IEI IIAI Y SITUCTURE	ELICUUL, FRUZ-LING	5 - iei ilai y Structure
06-FGC-5-1160	PFab 2-Line 5 - Mechanical Fabrication (By yard)	270	0				27-Jan-23 2								
		353	92		-22 A 30-		27-Jan-23 2		-63						
06-FGC-5-1000	PFab 2-Line 5 - 1st Floor (Below EL12.47m) (Including Silencer ID fan)	60	92	0% 21-Jan			27-Jan-23 2	28-Apr-23	-63						
06-FGC-5-1010	PFab 2-Line 5 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)	60	66	0% 24-Jun	-22 A 30-J	Jun-23	22-Feb-23	28-Apr-23	-63			<u> </u>			
Mechanical Erection 06-FGC-5-1000 06-FGC-5-1010 Month Rollin ge 14 of 22		60	92	0% 21-Jan	-22 A 30	Jun-23	27-Jan-23 2	28-Apr-23 28-Apr-23	-63	•	<ul> <li>♦ Actual Milest</li> <li>♦ Critical Miles</li> </ul>				

06-FGC-5-1030 Piping Fabrication 06-FGC-5-1170 Piping Installation	PFab 2-Line 5 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidification) PFab 2-Line 5 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)							64	65
Piping Fabrication 06-FGC-5-1170 Piping Installation	PEab 2 Line 5. Ath Eleer (EL 24.47, EL 44.22m) (Including Lines to ammonia converter)	60	68	0% 19-Sep-22 A	A 30-Jun-23	20-Feb-23 28-Apr-23	-63		(
06-FGC-5-1170 Piping Installation	(including ofea to animolia convertor)	50	58	0% 07-Oct-22 A	30-Jun-23	02-Mar-23 28-Apr-23	-63		
Piping Installation		180	107		15-Jul-23	27-Jan-23 13-May-23	-63		
	PFab 2-Line 5 - Piping Fabrication	180	107	40.56% 18-Jun-21 A		27-Jan-23 13-May-23	-63		
06-FGC-5-1190	PFab 2-Line 5 - Piping Installation	121 121	121 121	01-Apr-23 0% 01-Apr-23*	30-Jul-23 30-Jul-23	28-Jan-23 28-May-23 28-Jan-23 28-May-23	-63 -63	01 Arr 00*	
E&I Fabrication		121	121	14-Apr-22 A		07-Apr-23 18-Jul-23	-63	01-Apr-23*	1
	PFab 2-Line 5 - E&I Fabrication	180	103	· · · ·		07-Apr-23 18-Jul-23	7		
E&I Installation		247	247	09-Jun-23	10-Feb-24	07-Apr-23 10-Feb-24	0		
06-FGC-5-1230	PFab 2-Line 5 - E&I Support Installation	45	45	0% 09-Jun-23*	23-Jul-23	07-Apr-23 21-May-23	-63		1
	PFab 2-Line 5 - E&I Cable Ladder Erection	45	45	0% 16-Jun-23	30-Jul-23	14-Apr-23 28-May-23	-63		
Electrical	PErk 0. Line E. Electrical Coble Pulling and Termination	221	221	05-Jul-23	10-Feb-24	03-May-23 10-Feb-24	0		
	PFab 2-Line 5 - Electrical Cable Pulling and Termination PFab 2-Line 5 - Electrical Equipment Installation	120 120	120 120	0% 14-Oct-23 0% 29-Sep-23	10-Feb-24* 26-Jan-24	14-Oct-23 10-Feb-24 30-Sep-23 27-Jan-24	0		
	PFab 2-Line 5 - Electrical Equipment installation PFab 2-Line 5 - Electrical Heat Tracing Installation (Installation by Yard)	26	26	0% 25-3ep-23	30-Jul-23	03-May-23 28-May-23	-63		1
	PFab 2-Line 5 - MCC room installation (Installation by Yard)	25	25	0% 06-Jul-23*	30-Jul-23	04-May-23 28-May-23	-63		
Instrument		134	134	29-Sep-23	09-Feb-24	30-Sep-23 10-Feb-24	1		1 1 1
06-FGC-5-1280	PFab 2-Line 5 - Instrument Cable Pulling and Termination	120	120	0% 13-Oct-23	09-Feb-24	14-Oct-23 10-Feb-24	1		
	PFab 2-Line 5 - Instrument Equipment Installation	120	120	0% 29-Sep-23	26-Jan-24	30-Sep-23 27-Jan-24	1		
	PFab 2-Line 5 - Instrument Tubing Installation	120	120	0% 29-Sep-23	26-Jan-24	30-Sep-23 27-Jan-24	1		
nsulation	PEab 2 Line 5 Insulation	150	309	30-Jun-22 A		31-Mar-23 02-Feb-24	0		<u> </u>
06-FGC-5-1200	PFab 2-Line 5 - Insulation	150 60	309 60	0% 30-Jun-22 A 20-Dec-23	02-Feb-24* 17-Feb-24	31-Mar-23 02-Feb-24 20-Dec-23 17-Feb-24	0		
-	PFab 2-Line 5 - Pre-commissioning	60 60	60 60	0% 20-Dec-23	17-Feb-24 17-Feb-24*	20-Dec-23 17-Feb-24 20-Dec-23 17-Feb-24	0		
.oad out & Shipping		20	20	31-Jul-23	19-Aug-23	29-May-23 17-Jun-23	-63		
	PFab 2-Line 5 - Load Out & ready to ship	20	20	0% 31-Jul-23*	19-Aug-23	29-May-23 17-Jun-23	-63		
Delivery		10	10	20-Aug-23	29-Aug-23	18-Jun-23 27-Jun-23	-63		
06-FGC-5-1320	PFab 2-Line 5 - Delivery	10	10	0% 20-Aug-23	29-Aug-23	18-Jun-23 27-Jun-23	-63		
ab 2 - Line 6		956	324		17-Feb-24	26-Jan-23 17-Feb-24	0		
tructure Fabrication		477	0			26-Jan-23 12-May-23			
	PFab 2-Line 6 - 1st Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120	0	,					
	PFab 2-Line 6 - 2nd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc) PFab 2-Line 6 - 3rd Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Plate.etc)	120 120	0	100% 25-Jul-21 A 100% 02-Sep-21 A					
	PFab 2-Line 6 - Sid Floor Finnary & Secondary Steel Structure Fabricate (Beam/Cloum/Frate.etc) PFab 2-Line 6 - Tertiary Structure Fabrication	120	0	100% 02-3ep-217 100% 31-Mar-22 A	· ·				1
	PFab 2-Line 6 - 4th & Top Floor Primary & Secondary Steel Structure Fabricate (Beam/Cloumn/Pla	120	0			25-Mar-23 25-Mar-23			
structure Erection		566	85		23-Jun-23	26-Jan-23 28-May-23	-26		
06-FGC-6-1100	PFab 2-Line 6 - Set Assem bly tem porary support	28	0	100% 07-Oct-21 A	28-Oct-21 A	26-Jan-23 26-Jan-23			
	PFab 2-Line 6 - 1st Floor (Below EL12.47m) Primary & Secondary Steel Structure Erection	60	0	100% 01-Nov-21 A					
	PFab 2-Line 6 - 2nd Floor(EL12.47~ EL23.47m) Primary & Secondary Steel Structure Erection	60	0	100% 04-Jan-22 A					
	PFab 2-Line 6 - 3rd Floor(EL23.47~ EL34.47m) Primary & Secondary Steel Structure Erection	60	0	· · ·		14-Feb-23 14-Feb-23	50	ption, 23-Dec-22 A	
	PFab 2-Line 6 - 4th Floor (EL34.47~ EL44.22m) Primary & Secondary Steel Structure Erection PFab 2-Line 6 - Top Floor Primary & Secondary Steel Structure Erection	60 60	20 60	66.67% 20-May-22 A 0% 20-Apr-23	18-Jun-23	07-Feb-23 26-Feb-23 25-Mar-23 23-May-23	-52 -26		20-Apr-23
	PFab 2-Line 6 - Tertiary Structure Erection	59		71.19% 15-Sep-22 /		12-May-23 28-May-23	-26		20-Api-23
lechanical Fabrication		270	0		29-Jul-22 A	26-Jan-23 26-Jan-23			
06-FGC-6-1210	PFab 2-Line 6 - Mechanical Fabrication (By yard)	270	0	100% 05-Jan-21 A	29-Jul-22 A	26-Jan-23 26-Jan-23			
lechanical Erection		479	92	21-Jan-22 A	30-Jun-23	26-Jan-23 27-Apr-23	-64		
	PFab 2-Line 6 - 1st Floor (Below EL12.47m) (Including Silencer ID fan)	60	92	0% 21-Jan-22 A	30-Jun-23	26-Jan-23 27-Apr-23	-64		
	PFab 2-Line 6 - 2nd Floor (EL12.47~ EL23.47m) (Including Dosing system bicar)	60	73	0% 24-Jun-22A		14-Feb-23 27-Apr-23	-64		
	PFab 2-Line 6 - 3rd Floor (EL23.47~ EL34.47m) (Including Ash and residue to solidific ation)	60	73	0% 08-Sep-22 A		14-Feb-23 27-Apr-23	-64		
	PFab 2-Line 6 - 4th Floor (EL34.47~ EL44.22m) (Including Urea to ammonia convertor)	60 180	60 92	0% 02-May-23	30-Jun-23	27-Feb-23 27-Apr-23	-64		+
<b>iping Fabrication</b> 06-FGC-6-1220	PFab 2-Line 6 - Piping Fabrication	180 180	92	· · ·	A 30-Jun-23 A 30-Jun-23	05-Feb-23 07-May-23 05-Feb-23 07-May-23	-54 -54		4
iping Installation		180	121	48.89% 30-36p-217 01-Apr-23	30-Jul-23	27-Jan-23 27-May-23	-64		
	PFab 2-Line 6 - Piping Installation	121	121	0% 01-Apr-23*	30-Jul-23	27-Jan-23 27-May-23	-64	01-Apr-23*	
&I Fabrication		150	150	31-Mar-23	27-Aug-23	24-Mar-23 20-Aug-23	-7	· · · · · · · · · · · · · · · · · · ·	
06-FGC-6-1230	PFab 2-Line 6 - E&I Fabrication	150	150	0% 31-Mar-23	27-Aug-23	24-Mar-23 20-Aug-23	-7	31-Mar-23	
&I Installation		246	246	10-Jun-23	10-Feb-24	07-Apr-23 10-Feb-24	0		<u> </u>
	PFab 2-Line 6 - E&I Support Installation	45	45	0% 10-Jun-23*	24-Jul-23	07-Apr-23 21-May-23	-64		
06-FGC-6-1250	PFab 2-Line 6 - E&I Cable Ladder Erection	45	45 220	0% 17-Jun-23	31-Jul-23	14-Apr-23 28-May-23	-64		
Electrical 06-FGC-6-1260	PFab 2-Line 6 - Electrical Cable Pulling and Termination	220 120	220 120	06-Jul-23 0% 14-Oct-23	10-Feb-24 10-Feb-24*	03-May-23 10-Feb-24 14-Oct-23 10-Feb-24	0		
	PFab 2-Line 6 - Electrical Equipment Installation	120	120	0% 30-Sep-23	27-Jan-24	30-Sep-23 27-Jan-24	0		
	PFab 2-Line 6 - Electrical Heat Tracing Installation (Installation by Yard)	26	26	0% 06-Jul-23*	31-Jul-23	03-May-23 28-May-23	-64		
	PFab 2-Line 6 - MCC room installation (Installation by Yard)	25	25	0% 07-Jul-23*	31-Jul-23	04-May-23 28-May-23	-64		1
Instrument		134	134	30-Sep-23	10-Feb-24	30-Sep-23 10-Feb-24	0		1
06-FGC-6-1290	PFab 2-Line 6 - Instrument Cable Pulling and Termination	120	120	0% 14-Oct-23	10-Feb-24	14-Oct-23 10-Feb-24	0		
Ionth Rollin	ng Programme (March 2023)						aining Work al Work	<ul> <li>Actual Mileston</li> <li>Critical Mileston</li> </ul>	

act No. EP	/SP/66/12 , Phase 1	P	環境保護署 Environmental	Protection Department
	May 66			un 67
	60		c.	
		09-Jun-	22*	
		09-5011-	16-Jun-23	
				05 1
				05-Ju 06-J
		· · · · · · · · · · · · · · · · · · ·		
Line 6 - 4th Floor (EL	34.47~ EL44.22m) P	rimary & S	econdary Stee	18- lun-23 PI
				18-Jun-23, Pl
y-23				
		10-Jur	-23*	
			17-Jun-23	
				06-J
				07-

D	Activity Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finish	Late Start	Late Finish	Total Float M R	164 Apr emarks Mar Apr
06-FGC-6-1300	PFab 2-Line 6 - Instrument Equipment Installation	120	120	0% 30-Sep-23	27-Jan-24	30-Sep-23	27-Jan-24	0	64 65
06-FGC-6-1310	PFab 2-Line 6 - Instrument Tubing Installation	120	120		27-Jan-24	· ·	27-Jan-24	0	
Insulation	PEak 0 Line 0 Jaculation	133	133		08-Jan-24	-	08-Jan-24	0	
06-FGC-6-1020 Precommissioning	PFab 2-Line 6 - Insulation	133 60	133		08-Jan-24 17-Feb-24		08-Jan-24 17-Feb-24	0	
06-FGC-6-1030	PFab 2-Line 6 - Pre-commissioning	60	60		17-Feb-24*		17-Feb-24	0	
oad out & Shipping		20	20	01-Aug-23	20-Aug-23	,	17-Jun-23	-64	
06-FGC-6-1040	PFab 2-Line 6 - Load Out & ready to ship	20	20		20-Aug-23		17-Jun-23	-64	
Delivery 06-FGC-6-1330	PFab 2-Line 6 - Delivery	10 10	10 10	Ű	30-Aug-23 30-Aug-23	18-Jun-23 18-Jun-23	27-Jun-23	-64 -64	
abrication of Mega Steel	-	367	32	0	01-May-23		13-Aug-23	104	
Material Procurement		249	0	10-Apr-22 A	21-Feb-23 A	30-Apr-23	13-Jul-23		
16-8500 (6E)	Material Procurment (BM1)	60	0	· ·	-	· ·			
16-8500-1 (6E) 16-8500-2 (6E)	Material Procurment (BM2) Material Procurment (BM3)	60 60	0	100% 10-Apr-22 A 100% 30-May-22 A	-		07-Jul-23 07-Jul-23		nt (BM3), 14-Feb-23 A
16-8500-3 (6E)	Material Procument (FM1)	60	0			13-Jul-23			
16-8500-4 (6E)	Material Procurment (FM2)	60	0	· ·					
16-8500-5 (6E)	Material Procurment (FM3)	45	0	100% 21-Aug-22 A	21-Feb-23 A	13-Jul-23	13-Jul-23		Procurment (FM3), 21-Feb-23 A
Material Testing		331	2		01-Apr-23	30-Apr-23		108	
16-8500-10 (6E) 16-8500-11 (6E)	Material Testing (FM2) Material Testing (FM3)	60 60	0			19-Jul-23 13-Jul-23		104	01-Apr-23, Material Testing (F
16-8500-6 (6E)	Material Testing (FMD)	30	0					104	
16-8500-7 (6E)	Material Testing (BM2)	60	0	100% 25-Jun-22 A			07-Jul-23		
16-8500-8 (6E)	Material Testing (BM3)	60	0			07-Jul-23			23A
16-8500-9 (6E)	Material Testing (FM1)	60	0					104	
Fabrication of Steel Strue 16-8510 (6E)	Fabrication of Steel Structure (BM1) & Delivery	306 30	32		01-May-23 28-Nov-22 A	·	13-Aug-23 30-Apr-23	104	
16-8520 (6E)	Fabrication of Steel Structure (BM2) & Delivery	30	0			07-Jul-23	· ·		
16-8530 (6E)	Fabrication of Steel Structure (BM3) & Delivery	30	8	73.33% 06-Feb-23 A	07-Apr-23	07-Jul-23	14-Jul-23	98	07-Apr-23, Fabricati
16-8540 (6E)	Fabrication of Steel Structure (FM1) & Delivery	30	0			15-Jul-23			Steel Structure (FM1) & Delivery, 17-Feb-23 A
16-8550 (6E)	Fabrication of Steel Structure (FM2) & Delivery	30	12		· ·		30-Jul-23	110	11-Apr-23, Fab
16-8560 (6E) f-site Fabrication of 1	Fabrication of Steel Structure (FM3) & Delivery	30	30 108		01-May-23	15-Jui-23 11-Mar-23	13-Aug-23	104 -20	02-Apr-23
abrication of Module (Po		386	108				26-Jun-23	-20	
Furbine Module 1		125	4	06-Jan-23 A	04-Apr-23	06-May-23	09-May-23	36	
06-4040-1(M55)	Turbine Module 1 - TBS Tower 1 Erection & Installation	45	4		· ·		09-May-23	36	03-Apr-23, Turbine Module
06-4080(6) Furbine Module 2	Turbine Module 1 - Delivery	0	0 93		04-Apr-23	-	09-May-23 11-Jun-23	36 -20	04-Apr-23 I 04-Apr-23, Turbine Module
06-4240(6)	Turbine Module 2 - TBS Tower 2 Fabrication	60	46				25-Apr-23	-20	
06-4240-1(M55)	Turbine Module 2 - TBS Tower 2 Erection & Installation	45	60	0% 01-Mar-23 A	29-May-23	11-Mar-23	09-May-23	-20	
06-4280(6)	Turbine Module 2 - Delivery	33	33	· · · ·			11-Jun-23	-20	
Turbine Module 3 06-4440(6)	Turking Madula 2. TDC Tawar 2 Fabrication	386	108				26-Jun-23	-20	
06-4440(8) 06-4440-1(M55)	Turbine Module 3 - TBS Tower 3 Fabrication Turbine Module 3 - TBS Tower 3 Erection & Installation	60 45	60 60				24-May-23 24-May-23	-5 -5	
06-4480(6)	Turbine Module 3 - Delivery	33	33		16-Jul-23		26-Jun-23	-20	
ocurement for ACC U	nits	503	107	28-Feb-22 A	15-Jul-23	14-Apr-23	01-Aug-23	17	
6-1120-1	Off-site Fabrication of ACC-2 Units	178	46			· ·	01-Jun-23	17	
5-1120-2 5-1130	Off-site Fabrication of ACC-3 Units Factory Acceptance Test (FAT) for ACC-1	178 60	87				09-Jul-23 24-Jun-23	14 66	
6-1140	Factory Acceptance Test (FAT) for ACC-2	61	61	· ·	15-Jul-23		01-Aug-23	17	
6-1160	Delivery to Site ACC-1	21	21	0% 20-Apr-23	10-May-23	25-Jun-23	-	66	20-Apr-23
	Building Equipment	60	56			-	12-Oct-23	140	
6-1420(1)	Factory Acceptance Test (FAT)	60 469	56 154		-	-	12-Oct-23 18-Sep-23	140 18	
6-1150-1(1)	nical Treatment Plant Building Plant Equipment Mechanical Equipment Material Submission and Approval	180	0		31-Aug-23 31-Mar-23	· · · ·	19-Aug-23	142	l 31-Mar-23, Mechanical Equipm
6-1150-2(1)	Pipe Material Submission and Approval	180	0				19-Aug-23	142	31-Mar-23, Pipe Material Subn
6-1150-3(1)	Electrical and Instrumentation Material Submission and Approval	180	0			18-Sep-23	18-Sep-23	172	31-Mar-23, Electrical and Instr
6-1160-1(1)	Mechanical Equipment Procurement (Incl. FAT)	217	124		-		19-Aug-23	18	
6-1160-2(1) 6-1160-3(1)	Pipe Material Procurement (Incl. FAT) Electrical and Instrumentation Material Procurement (Incl. FAT)	180	79 154				19-Aug-23 18-Sep-23	63 18	
. ,	water Treatment Plant Equipment	252	120		-		02-Aug-23	5	
6-1190-1(1)	Mechanical Equipment Material Submission and Approval	90	31	65.56% 23-Jun-22 A	30-Apr-23		03-Jun-23	34	
6-1190-2(1)	Pipe Material Submission and Approval	90	31				03-Jun-23	34	
	Electrical and Instrumentation Material Submission and Approval	90	31			-	03-Jun-23	5	
6-1190-3(1)	Mechanical Equipment Procurement (Incl. FAT)	0	0	0% 31-Mar-23	31-Mar-23	03-Jun-23	03-Jun-23	65	31-Mar-23 31-Mar-23, Mechanical Equipm
6-1190-3(1) 6-1200-1(1) 6-1200-2(1)	Pipe Material Procurement (Incl. FAT)	0	0	0% 31-Mar-23	31-Mar-23	03-Jun-23	03-Jun-23	65	31-Mar-23 I 31-Mar-23, Pipe Material Proc

ct No. EP/SP/66/12 Facilities, Phase 1	環境保護署 Environmental Protaction Department
May	Jun
66	67
Naterial Testing (FM3), 01-Apr-23	
eel Structure (BM3) & Delivery, Fabricati	on of Steel Structure (BM3) & Delivery, 07-A
elivery	e Module 1 - TBS Tower 1 Erection & Installa
Turbine Module 2 30-May-23	2 - TBS Tower 2 Fabrication, 15-May-23, 15- Turbine Module 2 - TBS Tower 2 Erection
	Turbine Module 3 - TBS Tower 3 Fabricat Turbine Module 3 - TBS Tower 3 Erection 14-Jun-23
15-May-23, Off-s	ite Fabrication of ACC-2 Units , Off-site Fab 25-J
Factory Acceptance Test (FAT) for ACC-1	, Factory Acceptance Test (FAT) for ACC-1
16-May-23 10-May-23, Delivery to \$	
	May-23, Factory Acceptance Test (FAT), Fa
aterial Submission and Approval, Mechan	
and Approval, Pipe Material Submission	
	17-Jun-23, Pip
30-Apr-23, Pipe Material Submission	aterial Submission and Approval , Mechanic and Approval, Pipe Material Submission a 29-May-23, Electrical and Instrumentatio
ocurement (Incl. FAT) tt (Incl. FAT)	

220         I           urement for Desal & D         230-1(1)           230-2(1)         I           230-3(1)         I           240-1(1)         I           240-1(1)         I           260-2(M55)         N           urement for HV Transis         I           urement of Transformers         1290(1)           1290(1)         I           2090(1)         I           2100(1)         I           urement for Control S         330           350         S           ruement and Off-site F         I           e Rack 1         -           -5100(6)         I           e Rack 2         -           -5100(6)         I	Factory Acceptance Test (FAT) (Pannels and Cables Material Submission and Approval Material & Equipment Procurement Factory Acceptance Test (FAT) ScADA System S Scada System Procurement, Panel Assem bly & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings)	0           0           60           484           90           90           90           120           120           120           120           120           424           120           420           240           90           424           120           400           60           424           140           120           60           424           140           120           424           140           120           60           424	60 60 61 30 30 30 30 30 30 30 30 30 30 30 30 6 6 6 6	0%         30-May-23           08-Jan-20 A           66.67%         08-Jan-22 A           66.67%         08-Jan-20 A           66.67%         08-Jan-20 A           66.67%         16-Apr-20 A           50%         01-Jun-22 A           74.17%         21-Apr-22 A           82.78%         22-Apr-22 A           31-May-22 A         31-May-22 A           90%         31-May-22 A           0%         06-Apr-23           23-May-22 A         100%	28-Jul-23 30-May-23 29-Apr-23 29-Apr-23 29-Apr-23 30-Apr-23 30-Apr-23 28-Jul-23 28-Jul-23 05-Apr-23 05-Apr-23 04-Jul-23	Image: Network of the sector of the	5           5           298           110           110           110           140           298           298           50           50           50           74           74	64	65
urement for Desal & D           230-1(1)         I           230-2(1)         I           230-3(1)         I           240-1(1)         I           240-1(1)         I           260-2(M55)         N           urement for HV Transformers         1290(1)           urement of Transformers         1290(1)           1290(1)         I           2100(1)         I           2110(1)         I           urement for Control S         330           330         I           urement for Onshore 0         S           350         S           ruement and Off-site F           rication of Pipe Rack (Pretect)           -5100(6)         I           e Rack 1           -5160(6)         I           rication of Pipe Bridge B           e Bridge B Between CCCV           -5300(6)         S           -5310(6)         I           -5320(6)         I	Demin Plant Equipment         Mechanical Equipment Material Submission and Approval         Pipe Material Submission and Approval         Electrical and Instrumentation Material Submission and Approval         Mechanical Equipment Procurement (Incl. FAT)         WTP chemical storage tank Material Submission and Approval         WTP chemical storage tank Material Submission and Approval         WTP chemical storage tank Material Submission and Approval         WTP chemical storage tank Procurement (Incl. FAT)         formers and Associated Equipment         & EDG         Factory Acceptance Test (FAT)         (Pannels and Cables         Material Submission and Approval         Material & Equipment Procurement         Factory Acceptance Test (FAT)         ScADA System S         Scada System Procurement, Panel Assembly & Wiring         Factory Acceptance Test (FAT)         Crane at Berth         Supplier Submission and Approval         Fabrication of Pipe Bridges (Incl. Pipings)         efab.3)         Pre-commissioning (FAT)	484       90       90       90       90       90       90       120       180       424       120       120       400       60       240       120       400       60       240       90       424       120       60       60       60       60       60       427       61	61 30 30 30 30 31 120 120 120 96 6 6 00 90 90 120 0 0 120 2 2	0%         30-May-23           08-Jan-20 A           66.67%         08-Jan-20 A           66.67%         08-Jan-20 A           66.67%         08-Jan-20 A           66.67%         08-Jan-20 A           50%         01-Jun-22 A           74.17%         21-Apr-22 A           82.78%         22-Apr-22 A           31-May-22 A         31-May-22 A           90%         31-May-22 A           0%         06-Apr-23           23-May-22 A         100%	28-Jul-23 30-May-23 29-Apr-23 29-Apr-23 29-Apr-23 30-Apr-23 30-Apr-23 28-Jul-23 28-Jul-23 05-Apr-23 05-Apr-23 04-Jul-23	19-Jul-23         23-Mar-24           19-Jul-23         17-Aug-23           19-Jul-23         17-Aug-23           19-Jul-23         17-Aug-23           19-Jul-23         17-Aug-23           19-Jul-23         17-Aug-23           23-Jan-24         22-Feb-24           23-Jan-24         22-Feb-24           22-Feb-24         23-Mar-24           20-May-23         16-Sep-23           20-May-23         16-Sep-23           20-May-23         16-Sep-23           13-Jun-23         16-Sep-23           13-Jun-23         18-Jun-23           19-Jun-23         17-Aug-23	298           110           110           110           140           298           208           50           50           70           74           74		
230-1(1)       I         230-2(1)       I         230-3(1)       I         240-1(1)       I         240-1(1)       I         260-2(M55)       N         urement for HV Transformers       I         2090(1)       I         2100(1)       I         2100(1)       I         2110(1)       I         urement for Control S         330       I         urement for Constore S         350       I         e Rack 1       -         -5030(6)       I         e Rack 2       -         -5100(6)       I         e Rack 3       -         -5160(6)       I         e Bridge B Between CCCV       -         -5300(6)       I         -5310(6)       I         -5320(6)       I	Mechanical Equipment Material Submission and Approval Pipe Material Submission and Approval Electrical and Instrumentation Material Submission and Approval Mechanical Equipment Procurement (Incl. FAT) WTP chemical storage tank Material Submission and Approval WTP chemical storage tank Material Submission and Approval WTP chemical storage tank Procurement (Incl. FAT) formers and Associated Equipment & EDG Factory Acceptance Test (FAT) (Pannels and Cables Material Submission and Approval Material & Equipment Procurement Factory Acceptance Test (FAT) ScADA System S Scada System Procurement, Panel Assembly & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) efab.3) Pre-commissioning (FAT)	90           90           90           60           120           180           424           120           120           424           200           420           420           400           60           240           120           424           120           60           60           60           60           60           60           60	30 30 30 30 31 120 120 120 96 6 6 60 90 120 0 120 0 2 2	66.67%         08-Jan-22 A           66.67%         08-Jan-20 A           66.67%         16-Apr-20 A           50%         01-Jun-22 A           74.17%         21-Apr-22 A           82.78%         22-Apr-22 A           31-May-22 A         31-May-22 A           0%         31-May-22 A           90%         31-May-22 A	29-Apr-23 29-Apr-23 29-Apr-23 30-Apr-23 30-Apr-23 28-Jul-23 28-Jul-23 04-Jul-23 05-Apr-23 04-Jun-23	19-Jul-23       17-Aug-23         19-Jul-23       17-Aug-23         19-Jul-23       17-Aug-23         17-Sep-23       16-Oct-23         23-Jan-24       22-Feb-24         22-Feb-24       23-Mar-24         20-May-23       16-Sep-23         20-May-23       16-Sep-23         20-May-23       16-Sep-23         13-Jun-23       16-Sep-23         13-Jun-23       18-Jun-23         19-Jun-23       17-Sep-23	110       110       110       298       298       50       50       70       74       74		
230-2(1)       I         230-3(1)       I         240-1(1)       I         240-1(1)       I         260-2(M55)       N         urement for HV Transtormers       1290(1)         1290(1)       I         2009(1)       I         2100(1)       I         2110(1)       I         urement for Control S         310       S         320       I         urement for Control S         330       I         urement for Onshore       I         250       S         ruement and Off-site       F         Fication of Pipe Rack (Pretect)       S         -5100(6)       I         e Rack 1       -5030(6)         -5160(6)       I         e Rack 3       -5160(6)         e Bridge B Between CCCV       -5300(6)         -5310(6)       I         -5320(6)       I	Pipe Material Submission and Approval Electrical and Instrumentation Material Submission and Approval Mechanical Equipment Procurement (Incl. FAT) WTP chemical storage tank Material Submission and Approval WTP chemical storage tank Procurement (Incl. FAT) formers and Associated Equipment & EDG Factory Acceptance Test (FAT) (Pannels and Cables Material Submission and Approval Material Submission and Approval Material & Equipment Procurement Factory Acceptance Test (FAT) ScADA System S Scada System Procurement, Panel Assembly & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) fab.3) Pre-commissioning (FAT)	90 90 60 120 180 424 120 120 400 60 240 90 424 140 140 120 60 60 60 427 61	30 30 30 31 120 120 96 6 6 6 6 6 0 90 120 0 120 2 2	66.67%         08-Jan-20 A           66.67%         16-Apr-20 A           50%         01-Jun-22 A           74.17%         21-Apr-22 A           82.78%         22-Apr-22 A           31-May-22 A         31-May-22 A           0%         31-Mar-23           0%         31-May-22 A           90%         31-May-22 A           0%         06-Apr-23           23-May-22 A         100%	29-Apr-23 29-Apr-23 29-May-23 30-Apr-23 <b>28-Jul-23</b> <b>28-Jul-23</b> <b>04-Jul-23</b> 05-Apr-23 04-Jun-23	19-Jul-23       17-Aug-23         19-Jul-23       17-Aug-23         17-Sep-23       16-Oct-23         23-Jan-24       22-Feb-24         22-Feb-24       23-Mar-24         20-May-23       16-Sep-23         20-May-23       16-Sep-23         20-May-23       16-Sep-23         13-Jun-23       16-Sep-23         13-Jun-23       18-Jun-23         19-Jun-23       17-Sep-23	110       110       298       298       50       50       70       74       74		
230-3(1)       I         240-1(1)       I         240-1(1)       I         260-1(M55)       N         260-2(M55)       N         urement for HV Transformers       1290(1)         1290(1)       I         2090(1)       I         2100(1)       I         2110(1)       I         urement for Control S         330       I         urement for Conshore O         350       S         ruement and Off-site F         Frication of Pipe Rack (Pretection S)         -5030(6)       I         e Rack 2         -5100(6)       I         e Ridge B Between CCCV         -5300(6)       S         -5301(6)       I         -5301(6)       I	Electrical and Instrumentation Material Submission and Approval Mechanical Equipment Procurement (Incl. FAT) W TP chemical storage tank Material Submission and Approval W TP chemical storage tank Procurement (Incl. FAT) formers and Associated Equipment & EDG Factory Acceptance Test (FAT) (Pannels and Cables Material Submission and Approval Material Submission and Approval Material & Equipment Procurement Factory Acceptance Test (FAT) ScADA System S Scada System Procurement, Panel Assembly & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) stab.3) Pre-commissioning (FAT)	90 60 120 180 424 120 120 00 00 240 90 424 90 424 140 120 60 60 60 427 61	30 30 31 120 120 96 6 6 60 90 120 0 120 0 120 2 2	66.67%         16-Apr-20 A           50%         01-Jun-22 A           74.17%         21-Apr-22 A           82.78%         22-Apr-22 A           31-May-22 A         31-May-22 A           0%         31-Mar-23           0%         31-May-22 A           90%         32-May-22 A	29-Apr-23 29-May-23 30-Apr-23 <b>28-Jul-23</b> <b>28-Jul-23</b> <b>28-Jul-23</b> <b>04-Jul-23</b> 05-Apr-23 04-Jun-23	19-Jul-23       17-Aug-23         17-Sep-23       16-Oct-23         23-Jan-24       22-Feb-24         22-Feb-24       23-Mar-24         20-May-23       16-Sep-23         20-May-23       16-Sep-23         20-May-23       16-Sep-23         13-Jun-23       16-Sep-23         13-Jun-23       18-Jun-23         19-Jun-23       17-Aug-23	110       140       298       209       50       50       74       74       74		
240-1(1)         I           260-1(M55)         X           260-2(M55)         X           curement for HV Transformers         1290(1)           1290(1)         I           curement of Switchboard/I         2090(1)           2100(1)         I           2100(1)         I           2110(1)         I           urement for Control S         330           330         I           urement for Onshore         I           350         I           ruement and Off-site         I           -5030(6)         I           e Rack 1         -5030(6)           -5160(6)         I           e Rack 3         -5160(6)           e Bridge B Between CCCV         -5330(6)           -5310(6)         I           -5330(6)         I	Mechanical Equipment Procurement (Incl. FAT) WTP chemical storage tank Material Submission and Approval WTP chemical storage tank Procurement (Incl. FAT) formers and Associated Equipment & EDG Factory Acceptance Test (FAT) (Pannels and Cables Material Submission and Approval Material & Equipment Procurement Factory Acceptance Test (FAT) SCADA System S Scada System Procurement, Panel Assem bly & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) (fab.3) Pre-commissioning (FAT)	60           120           180           424           120           120           120           120           120           424           120           400           60           240           90           424           120           60           60           60           60           60           427           61	30 31 31 120 120 96 6 6 6 6 6 0 90 120 0 120 0 2 2 2	50%         01-Jun-22 A           74.17%         21-Apr-22 A           82.78%         22-Apr-22 A           31-May-22 A         31-Mar-23           0%         31-Mar-23           10%         31-May-22 A           90%         32-May-22 A	29-May-23 30-Apr-23 30-May-23 28-Jul-23 28-Jul-23 04-Jul-23 05-Apr-23 04-Jun-23	17-Sep-23       16-Oct-23         23-Jan-24       22-Feb-24         22-Feb-24       23-Mar-24         20-May-23       16-Sep-23         20-May-23       16-Sep-23         20-May-23       16-Sep-23         20-May-23       16-Sep-23         13-Jun-23       16-Sep-23         13-Jun-23       18-Jun-23         19-Jun-23       17-Aug-23	140       298       298       50       50       70       74       74		
260-1(M55)         1           260-2(M55)         1           260-2(M55)         1           curement of Transformers         1290(1)           1290(1)         1           2009(1)         1           2100(1)         1           2100(1)         1           2110(1)         1           2100(1)         1           2110(1)         1           2110(1)         1           2100         1           310         2           330         1           urement for Control S         3           350         2           ruement for Onshore         1           55030(6)         1           e Rack 1         -           -5030(6)         1           e Rack 3         -           -5160(6)         1           e Bridge B Between CCCV         -           -5330(6)         2           -5310(6)         1           -5320(6)         1	WTP chemical storage tank Material Submission and Approval WTP chemical storage tank Procurement (Incl. FAT) formers and Associated Equipment & EDG Factory Acceptance Test (FAT) /Pannels and Cables Material Submission and Approval Material & Equipment Procurement Factory Acceptance Test (FAT) ScADA System S Scada System Procurement, Panel Assem bly & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) fab.3) Pre-commissioning (FAT)	120       180       424       120       120       120       240       240       90       424       120       90       424       120       90       424       140       120       60       60       427       61	31 31 120 120 96 6 6 6 6 6 0 90 120 0 120 0 120 2 2 2	74.17%         21-Apr-22 A           82.78%         22-Apr-22 A           31-May-22 A         31-Mar-23           0%         31-Mar-23           10%         31-May-22 A           90%         32-May-22 A	30-Apr-23           30-May-23           28-Jul-23           28-Jul-23           28-Jul-23           04-Jul-23           05-Apr-23           04-Jun-23           04-Jul-23	23-Jan-24       22-Feb-24         22-Feb-24       23-Mar-24         20-May-23       16-Sep-23         20-May-23       16-Sep-23         20-May-23       16-Sep-23         13-Jun-23       16-Sep-23         13-Jun-23       18-Jun-23         19-Jun-23       17-Aug-23	298 298 50 50 50 74 74 74		05-Anr-23 Material Submit
urement for HV Transformers           1290(1)         I           curement of Switchboard/I         2090(1)         I           2090(1)         I         1           2100(1)         I         1           2100(1)         I         1           2110(1)         I         1           urement for Control S         330         I           urement for Onshore I         350         S           ruement and Off-site F         Frication of Pipe Rack (Prete           e Rack 1         -5030(6)         I           -5160(6)         I         I           e Rack 2         -5160(6)         I           ctation of Pipe Bridge B         E         E Bridge B Between CCCV           -5300(6)         S         -5310(6)         I           -5310(6)         I         I	formers and Associated Equipment         & EDG         Factory Acceptance Test (FAT)         /Pannels and Cables         Material Submission and Approval         Material & Equipment Procurement         Factory Acceptance Test (FAT)         SCADA System S         Scada System Procurement, Panel Assem bly & Wiring         Factory Acceptance Test (FAT)         Crane at Berth         Supplier Submission and Approval         Fabrication of Pipe Bridges (Incl. Pipings)         fab.3)         Pre-commissioning (FAT)	424       120       120       400       60       240       90       424       140       120       60       60       60       60       60       60       60       60       60       60       61	120 120 96 6 60 90 120 0 120 0 120 2 2	31-May-22 A           31-May-22 A           31-Mar-23           0%           31-May-22 A           90%           31-May-22 A           90%           31-May-22 A           0%           31-May-22 A           0%           31-May-22 A           0%           31-May-22 A           0%           06-Apr-23           23-May-22 A           100%           23-May-22 A	28-Jul-23 28-Jul-23 28-Jul-23 04-Jul-23 05-Apr-23 04-Jun-23 04-Jul-23	20-May-23         16-Sep-23           20-May-23         16-Sep-23           20-May-23         16-Sep-23           13-Jun-23         16-Sep-23           13-Jun-23         18-Jun-23           19-Jun-23         17-Aug-23	50 50 50 74 74 74	31-Mar-23	05.Anr23. Matarial Submi
surement of Transformers           1290(1)         I           curement of Switchboard/I           2090(1)         I           2100(1)         I           2100(1)         I           2110(1)         I           urement for Control S         310           330         I           urement for Onshore I         350           state of	& EDG         Factory Acceptance Test (FAT)         (Pannels and Cables         Material Submission and Approval         Material & Equipment Procurement         Factory Acceptance Test (FAT)         SCADA Systems         Scada System Procurement, Panel Assem bly & Wiring         Factory Acceptance Test (FAT)         Crane at Berth         Supplier Submission and Approval         Fabrication of Pipe Bridges (Incl. Pipings)         ofab.3)         Pre-commissioning (FAT)	120           120           400           60           240           90           424           140           120           60           424           140           120           60           424	120 120 96 6 60 90 120 0 120 0 120 2 2	31-Mar-23           0%         31-Mar-23           31-Mar-23         31-May-22 A           90%         31-May-22 A           90%         31-May-22 A           0%         06-Apr-23           23-May-22 A         100%           23-May-22 A	28-Jul-23 28-Jul-23 04-Jul-23 05-Apr-23 04-Jun-23 04-Jul-23	20-May-23         16-Sep-23           20-May-23         16-Sep-23           13-Jun-23         16-Sep-23           13-Jun-23         18-Jun-23           19-Jun-23         17-Aug-23	50 50 74 74 74 74	31-Mar-23	05-Anr-23 Matarial Submi
1290(1)       I         curement of Switchboard/l         2090(1)       I         2100(1)       I         2110(1)       I         urement for Control S         310       S         330       I         urement for Onshore I         350       S         ruement for Onshore I         350       S         ruement and Off-site F         rication of Pipe Rack (Pret         e Rack 1         -5030(6)       I         e Rack 2         -5100(6)       I         e Ridge B Between CCCV         -5300(6)       S         -5310(6)       I         -5310(6)       I         -5310(6)       I	Factory Acceptance Test (FAT) (Pannels and Cables Material Submission and Approval Material & Equipment Procurement Factory Acceptance Test (FAT) SCADA System S Scada System Procurement, Panel Ass em bly & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) ofab.3) Pre-commissioning (FAT)	120 400 60 240 90 424 140 120 60 60 427 61	120 96 6 90 90 120 0 120 2 2	0%         31-Mar-23           31-May-22 A           90%         31-May-22 A           75%         31-May-22 A           0%         06-Apr-23           23-May-22 A           100%         23-May-22 A	28-Jul-23 04-Jul-23 05-Apr-23 04-Jun-23 04-Jul-23	20-May-23         16-Sep-23           13-Jun-23         16-Sep-23         1           13-Jun-23         18-Jun-23         1           19-Jun-23         17-Aug-23         1	50 74 74 74 74	31-Mar-23	05-Anr-23 Material Submi
surement of Switchboard//           2090(1)         I           2100(1)         I           2110(1)         I           urement for Control S         310           310         S           330         I           urement for Onshore I         350           350         S           ruement and Off-site F           rication of Pipe Rack (Pref           e Rack 1           -5030(6)         I           e Rack 2           -5100(6)         I           e Ridge B Between CCCV           -5300(6)         S           -5300(6)         S           -5300(6)         S           -5310(6)         I           -5310(6)         I           -5310(6)         I	(Pannels and Cables         Material Submission and Approval         Material & Equipment Procurement         Factory Acceptance Test (FAT)         SCADA System s         Scada System Procurement, Panel Ass em bly & Wiring         Factory Acceptance Test (FAT)         Crane at Berth         Supplier Submission and Approval         Fabrication of Pipe Bridges (Incl. Pipings)         ofab.3)         Pre-commissioning (FAT)	400 60 240 90 424 140 120 60 60 427 61	96 6 90 120 0 120 2 2	31-May-22 A           90%         31-May-22 A           75%         31-May-22 A           0%         06-Apr-23           23-May-22 A           100%         23-May-22 A	04-Jul-23 05-Apr-23 04-Jun-23 04-Jul-23	13-Jun-23         16-Sep-23           13-Jun-23         18-Jun-23           19-Jun-23         17-Aug-23	74 74 74	31-Mar-23	05-Apr-23 Material Submi
2090(1)         I           2100(1)         I           2110(1)         I           urement for Control S           310         S           330         I           urement for Onshore (           350         S           ruement and Off-site F           rication of Pipe Rack (Pretection)           e Rack 1           -5103(6)         I           e Rack 2           -5100(6)         I           e Bridge B Between CCCV           -5300(6)         S           -5300(6)         S           -5301(6)         I           -5310(6)         I           -5310(6)         I           -5310(6)         I	Material Submission and Approval Material & Equipment Procurement Factory Acceptance Test (FAT) SCADA System S Scada System Procurement, Panel Assem bly & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) ofab.3) Pre-commissioning (FAT)	60 240 90 424 140 120 60 60 427 61	6 60 90 120 0 120 2 2	90%         31-May-22 A           75%         31-May-22 A           0%         06-Apr-23           23-May-22 A           100%         23-May-22 A	05-Apr-23 04-Jun-23 04-Jul-23	13-Jun-23 18-Jun-23 19-Jun-23 17-Aug-23	74 74		05-Anr-23 Material Submi
2100(1)         I           2110(1)         I           2110(1)         I           urement for Control S         310           330         I           urement for Onshore I         350           350         S           ruement and Off-site F           rication of Pipe Rack (Pref           e Rack 1           -5030(6)           e Rack 2           -5100(6)           Fication of Pipe Bridge B           e Bridge B Between CCCV           -5300(6)         S           -5310(6)         I           -5310(6)         I	Material & Equipment Procurement Factory Acceptance Test (FAT) SCADA System s Scada System Procurement, Panel Assem bly & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) ofab.3) Pre-commissioning (FAT)	240 90 424 140 120 60 60 427 61	60 90 120 0 120 2 2	75%         31-May-22 A           0%         06-Apr-23           23-May-22 A           100%         23-May-22 A	04-Jun-23 04-Jul-23	19-Jun-23 17-Aug-23	74	- <u></u>	
urement for Control S           310         330           330         I           urement for Onshore (         350           350         S           ruement and Off-site F           rication of Pipe Rack (Preference)           e Rack 1           -5030(6)           e Rack 2           -5100(6)           e Rack 3           -5160(6)           rication of Pipe Bridge B           e Bridge B Between CCCV           -5300(6)         S           -5310(6)         S           -5310(6)         S           -5320(6)         S	SCADA System s Scada System Procurement, Panel Assem bly & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) ofab.3) Pre-commissioning (FAT)	424 140 120 60 60 427 61	120 0 120 2 2	23-May-22 A 100% 23-May-22 A		19-Jun-23 16-Sep-23			
310     \$       330     I       urement for Onshore (       350     \$       ruement and Off-site F       rication of Pipe Rack (Preference)       e Rack 1       -5030(6)     I       e Rack 2       -5100(6)     I       e Rack 3       -5160(6)     I       e Bridge B Between CCCV       -5300(6)     \$       -5310(6)     \$       -5300(6)     \$       -5300(6)     \$	Scada System Procurement, Panel Assem by & Wiring Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) ofab.3) Pre-commissioning (FAT)	140 120 60 60 427 61	0 120 2 2	100% 23-May-22 A	28-Jul-23		74	06-4	Apr-23
330         I           urement for Onshore (           350         S           ruement and Off-site F           rication of Pipe Rack (Preference)           e Rack 1           -5030(6)         F           e Rack 2           -5100(6)         F           e Rack 3           -5160(6)         F           rication of Pipe Bridge B           e Bridge B Between CCCV           -5300(6)         S           -5310(6)         F           -5300(6)         S           -5310(6)         F	Factory Acceptance Test (FAT) Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) afab.3) Pre-commissioning (FAT)	120 60 60 427 61	120 2 2			04-May-23 01-Sep-23	35		
urement for Onshore ( 350         S           350         S           ruement and Off-site F         F           rication of Pipe Rack (Preference)         F           e Rack 1         -           -5030(6)         F           e Rack 2         -           -5100(6)         F           e Rack 3         -           -5160(6)         F           e Ridge B Between CCCV         -           -5300(6)         S           -5310(6)         F           -5310(6)         F	Crane at Berth Supplier Submission and Approval Fabrication of Pipe Bridges (Incl. Pipings) afab.6) Pre-commissioning (FAT)	60 60 427 61	2 2	0% 31-Mar-23		04-May-23 04-May-23	35		1; 31-Mar-23, Scada System Procu
350         S           ruement and Off-site F           rication of Pipe Rack (Pref           e Rack 1           -5030(6)         F           e Rack 2           -5100(6)         F           e Rack 3           -5160(6)         F           rication of Pipe Bridge B           e Bridge B Between CCCV           -5300(6)         S           -5310(6)         F           -5300(6)         S           -5310(6)         F	Supplier Submission and Approval Fabrication of Plpe Bridges (Incl. Pipings) afab.3) Pre-commissioning (FAT)	60 427 61	2	04-Dec-22 A	28-Jul-23	05-May-23 01-Sep-23 28-Jul-23 29-Jul-23	35 119	31-Mar-23	L, 
ruement and Off-Site F           rication of Pipe Rack (Pref           e Rack 1           -5030(6)         I           e Rack 2           -5100(6)         I           e Rack 3           -5160(6)         I           rication of Pipe Bridge B           e Bridge B Between CCCV           -5300(6)         I           -5300(6)         I           -5300(6)         I           -5300(6)         I	Fabrication of Pipe Bridges (Incl. Pipings) (fab.3) Pre-commissioning (FAT)	427 61				28-Jul-23 29-Jul-23	119		01-Apr-23 Supplier Submissio
Ication of Pipe Rack (Preference)           e Rack 1           -5030(6)         I           e Rack 2           -5100(6)         I           e Rack 3           -5160(6)         I           rication of Pipe Bridge B           e Bridge B Between CCCV           -5300(6)         I           -5300(6)         I           -5310(6)         I           -5320(6)         I	efab.3) Pre-commissioning (FAT)		245			12-Jan-23 13-Sep-23	-78		
-5030(6) [ e Rack 2 -5100(6) [ e Rack 3 -5160(6) [ rication of Pipe Bridge B e Bridge B Between CCCV -5300(6) [ -5310(6) [ -5320(6) [		31	31	17-Apr-22 A	30-Apr-23	27-Jun-23 27-Aug-23	119		
e Rack 2 -5100(6) [ e Rack 3 -5160(6) [ rication of Pipe Bridge B e Bridge B Between CCCV -5300(6) [ -5310(6) [ -5320(6) [			2	02-Mar-23 A	01-Apr-23	27-Jul-23 28-Jul-23	118		
-5100(6)         I           e Rack 3         -5160(6)           -5160(6)         I           e Bridge B         Between CCCV           -5300(6)         \$           -5310(6)         I           -5320(6)         I	Pre-commissioning (FAT)	31		93.55% 02-Mar-23 A		27-Jul-23 28-Jul-23	118	_	01-Apr-23, Pre-commissioning
e Rack 3 -5160(6) [ cation of Pipe Bridge B e Bridge B Between CCCV -5300(6) [ -5310(6) [ -5320(6) [		31				27-Aug-23 27-Aug-23	150		
-5160(6)         I           rication of Pipe Bridge B         e           e Bridge B Between CCCV         -5300(6)         \$           -5310(6)         I         -5320(6)         I		31 61				27-Aug-23 27-Aug-23 27-Jun-23 27-Jul-23	150 88		I 31-Mar-23, Pre-commissioning (
Figure 1         Figure 2         Figure 3	Piping installation	61		49.18% 17-Apr-22 A	<u> </u>	27-Jun-23 27-Jul-23 27-Jun-23 27-Jul-23	88	<u> </u>	<u></u>
-5300(6) 5 -5310(6) F -5320(6) F		274	92	· · ·		12-Apr-23 14-Jul-23	14		
-5310(6) E	W and Turbine Hall	274	92	15-Oct-21 A	30-Jun-23	12-Apr-23 13-Jul-23	13		
-5320(6)	Structure Cutting, Painting & Pre-assembly	180	0	100% 15-Oct-21 A	31-Mar-23	12-Apr-23 12-Apr-23	13		I 31-Mar-23, Structure Cutting, Pa
	Erection & Fabrication	31	15		· ·	13-Apr-23 27-Apr-23	13	A, 15-Mar-23 A	14-Apr-23, E
-5330(6)	Piping installation	46	46	· ·	30-May-23	28-Apr-23 12-Jun-23	13		15-Apr-23
e bridge B1 & B2 on the R	Pre-commissioning (FAT) Roof of Turbing Hall	31 77	31 92		30-Jun-23	13-Jun-23 13-Jul-23 14-Apr-23 14-Jul-23	13 14	·	
	Erection & Fabrication	31	15			14-Apr-23 28-Apr-23	14	A, 15-Mar-23 A	14-Apr-23, E
( )	Piping installation	46	46		30-May-23	29-Apr-23 13-Jun-23	14		15-Apr-23
-5390(6D) I	Pre-commissioning (FAT)	31	31	0% 31-May-23	30-Jun-23	14-Jun-23 14-Jul-23	14		
rication of Pipe Bridge C		276	245			12-Jan-23 13-Sep-23	-78		
e Bridge C between Turbin		153				12-Jan-23 13-May-23	-78		
	Erection & Fabrication	61 46	42	31.15% 23-Feb-23 A 0% 12-May-23		12-Jan-23 22-Feb-23 23-Feb-23 09-Apr-23	-78 -78		
	Piping installation Pipe Bridge C - ACC-1 Pre-comm is sioning (FAT)	34	34		26-Jun-23 30-Jul-23	10-Apr-23 13-May-23	-78		
e Bridge C between Turbi		153				12-Jan-23 13-May-23	-78		
	Erection & Fabrication	61	42	31.15% 23-Feb-23 A	11-May-23	12-Jan-23 22-Feb-23	-78		
-5460(6) I	Piping installation	46	46	0% 12-May-23	26-Jun-23	23-Feb-23 09-Apr-23	-78		
	Pipe Bridge C - ACC-2 Pre-comm is sioning (FAT)	34	34		30-Jul-23	10-Apr-23 13-May-23	-78		
e Bridge C between Turbin		276	245			12-Jan-23 13-Sep-23	-78		
(-)	Erection & Fabrication Piping installation	61 46	45 46		14-May-23 29-Jun-23	12-Jan-23 25-Feb-23 26-Feb-23 12-Apr-23	-78 -78		
	Pipe Bridge C - ACC-3 Pre-comm is sioning (FAT)	31	31	,	30-Jul-23	13-Apr-23 13-May-23	-78		· · · · · · · · · · · · · · · · · · ·
	ACC-1 to 3 Load out & ready to ship	46	46		14-Sep-23	14-May-23 28-Jun-23	-78		
	Pipe Bridge C - ACC1 to 3 Delivery	77	77	0% 15-Sep-23	30-Nov-23	29-Jun-23 13-Sep-23	-78		
urement for LV Electri	ical System for On-site Installation	180	0	01-Mar-22 A	31-Mar-23	02-Jul-24 02-Jul-24	460		
	Material & Equipment Procurement	180	0			02-Jul-24 02-Jul-24	460		31-Mar-23, Material & Equipmer
	on and Odor Treatment System	210	210		26-Oct-23	04-Apr-23 19-Dec-23	54		
. ,	Material Submission and Approval Material & Equipment Procurement	30 180	30 180		29-Apr-23	24-May-23 22-Jun-23	54 54	31-Mar-23	20. 4
	Material Submission & Equipment Procurement (for IW MF Substation)	90	90	· ·	26-Oct-23 28-Jun-23	23-Jun-23 19-Dec-23 04-Apr-23 02-Jul-23	4	31-Mar-23	30-Aj
	Delivery to Site	60	60		28-Jul-23	03-Jun-23 01-Aug-23	4	51-Widi -23	
urement for Fire Servi	-	454	150			08-Apr-23 29-Aug-23	2		
	Material Submission and Approval	30	30	· · ·	29-May-23	02-May-23 31-May-23	2		30-Aj
	Material & Equipment Procurement	90	90		27-Aug-23	01-Jun-23 29-Aug-23	2		1
F Substation		364				08-Apr-23 06-Jun-23	8	4	
1810(6)	Material Submission & Equipment Procurement (For IWMF Substation)	120	8	93.33% 31-May-22 A	07-Apr-23	15-Apr-23 22-Apr-23	15		07-Apr-23, Material S
onth Dollin	a Dreasanne (Mesek 2022)					Rema	ining Work	Actual Mileston	
	ig Programme (March 2023)								e
17 of 22						Actua	Mork	<ul> <li>Critical Milestor</li> </ul>	

	t No. EP/SP/66/12 Facilities, Phase 1
202	May Jun
	66 67
	30-May-23
1	29-Apr-23, Mechanical Equipment Material Submission and Approval, Mechanica 29-Apr-23, Pipe Material Submission and Approval, Pipe Material Submission and 29-Apr-23, Electrical and Instrumentation Material Submission and Approval, Elec 29-May-23, Mechanical Equipment Procu
	30-Apr-23, WTP chemical storage tank Material Submission and Approval, WTP
	30-May-23, WTP chemical storage tank
on	and Approval, Material Submission and Approval, 05-Apr-23 04-Jun-23, Material & Equipmen
ent	, Panel Assembly & Wiring, Scada System Procurement, Panel Assembly & Wiri
d /	Approval, Supplier Submission and Approval, 01-Apr-23
T)	Pre-commissioning (FAT), 01-Apr-23
	re-comm issioning (FAT), 31-Mar-23
	30-Apr-23, Piping installation, Piping installation, 30-Apr-23
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	Pre-assembly, Structure Cutting, Painting & Pre-assembly, 31-Mar-23 & Fabrication, Erection & Fabrication, 14-Apr-23 30-May-23, Piping installation
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on	& Fabrication, Erection & Fabrication, 14-Apr-23
	30-May-23, Piping installation 31-May-23
	Erection & Fabrication, 11-May-23, 11-May-23, Erection & Fabrica 12-May-23
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	30-Jun-23
cu	rement, Material & Equipment Procurement, 31-Mar-23
	29-Apr-23, Material Submission and Approval
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ssi	on & Equipment Procurement (For IWMF Substation), Material Submission & Equ

Subscript         Set UP         Set			Original Duration	Remaining Duration	Activity % Cur Complete	rrent Start	Current Finish	Late Start	Late Finish	Total Float	Remarks	Mar	Apr
Production         Product	06-1820(6)	Factory Acceptance Test (FAT)	90	15	83.33% 01-	-Jan-23 A	22-Apr-23	23-Apr-23	07-May-23	15		64	65 22-
BINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBINDEDBIND	06-1830(6)	Delivery to Site	60	60	0% 31-	-Mar-23	29-May-23	08-Apr-23	06-Jun-23	8		31-Mar-23	
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8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8)       8) <t< td=""><td>, ,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td></t<>	, ,								•				
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Abl Corr	Waste Crane		180	31	02·	-Aug-21 A	30-Apr-23	26-Jul-23	25-Aug-23	117			
Bit		Material & Equipment Procurement		31		-			-				
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Bit 100         Proof Acquisition (Inc) (AA)         Display         Proof Acquisition (Inc) (AA)	06-1910	Material & Equipment Procurement	180	30	83.33% 19	-Apr-22 A	29-Apr-23	17-Mar-23	15-Apr-23	-14			,
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06-043       Markaki & Egginner Prozenter (1A7)       06       06       94-19-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2       24-14-2 <t< td=""><td>, ,</td><td>EOTC Delivery to Site Batch 1</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>31-Mar-23</td><td>31-Mar-23, EOTC Delivery to Site</td></t<>	, ,	EOTC Delivery to Site Batch 1	-									31-Mar-23	31-Mar-23, EOTC Delivery to Site
0 # 300% 10     0 # 34 × 3     8 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30     9 ± 30		Material & Equipment Procurement									<b></b>	31-Mar-93	<u>.</u>
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Description         Description         Display         Display <thdisplay< th="">         Display         Display</thdisplay<>	. ,								· ·				
00 - 1 00(1)Mintral ProductmentMintral Productment </td <td></td> <td></td> <td>60</td> <td>60</td> <td>0% 21·</td> <td>-Jun-23</td> <td>19-Aug-23</td> <td>22-Jun-23</td> <td>20-Aug-23</td> <td>1</td> <td></td> <td></td> <td></td>			60	60	0% 21·	-Jun-23	19-Aug-23	22-Jun-23	20-Aug-23	1			
0 00000000000000000000000000000000000	Procurement for Air Qua	lity Monitoring Station Equipment	165	75	31-	-Dec-22 A	13-Jun-23	31-Mar-23	13-Jun-23	0			
Decomponent No Aric Constrained Explanment         No.         One Arrow Aric Constrained Explanment         No.         N	,			-			,						
06.180(1)       Febro Acceptore Terr (FA)       016       0100       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000       01.000      <	.,					•				-			
9622011         Material Scatteringtion and Aproal         60         40         9623033         1406224         06473         164943         2140423         2140423         2140423         2140423         06443         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         164943         1649433         1649433         1649						<u> </u>							21 Mar 22 Eastery Assertance T
96.250(1)       Metrial & Lomisolic and Agnical       96.00       14       92.357       144.92.2       64.94.92       144.92       64.94.92       144.92       64.94.92       144.92       64.94.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       144.92       1	.,					•							31-Mar-23, Factory Acceptance T
06 22011Makrid & Egypone Procursment1201567.5%11-Jun 200.1.Jun 200.Jun 200.1.Jun 200.1.													03-Apr-23, Material Submiss
Procursment for Building         Environment for Building         Environment for Building         Procursment for Building         Procurs	.,			15									
Processment for Building         Finishes Materials (Doors, windows and injures (e)         Solu         Solut         TAy-23         Soluting	06-2270(1)	Delivery to Site	30	30	0% 04	-May-23	02-Jun-23	21-Jun-23	20-Jul-23	48			04
06 8000(07)         WMF Substration. Procursment, FAr and Delivory         90         00         0%, 05 Apr.23         01-Mayr.23         01-Mayr.23         20           068030(07)         Procursment of Procust Oxicete Wall Panel Mouking & Fabrication         60         00         555, 14 File-23A         8-Mayr.23         10-Mayr.23         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01 <td>Procurement for Buildin</td> <td>g Finishes Materials (Doors, windows and louvers ie)</td> <td>204</td> <td>204</td> <td>05</td> <td>-Apr-23</td> <td>25-Oct-23</td> <td>17-Apr-23</td> <td>02-Nov-23</td> <td>8</td> <td></td> <td></td> <td></td>	Procurement for Buildin	g Finishes Materials (Doors, windows and louvers ie)	204	204	05	-Apr-23	25-Oct-23	17-Apr-23	02-Nov-23	8			
Diff size Processent of Pro	06-8030(6)	CCCW Building - Material Submission, Procurement, FAT and Delivery	200	200	0% 09	-Apr-23	25-Oct-23	17-Apr-23	02-Nov-23	8			09-Apr-23
DeBoB0(p)         Procurement of Process Concele Val IP and Mouding & Fabrication         600         300         5011         IF APP 23         (24 Mpr 23)         (14 Mpr 23)         <	. ,							-	-			05-Ar	pr-23
UNME Substitution         UNME Substitution         00         00         00-bar/20         02-bar/20         02-bar/20        <								-					<u> </u>
0.6 B200(b)       Processing of concrute Panels       00       00       00.407.23       01.407.33       01.407.33       02.407.23       01.407.33       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407.23       02.407	. ,	Procurement of Precast Concete wall Panel Moulding & Fabrication											J
Procurement for IWME Equipments for BS Works         105         104 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		Precasting of Concrete Panels							_				30-Apr
064830(6)       Material & Equipment Procurement       660       0%       04, Par.23       02, Un.23       19, Apr.23       17, Un.23       10       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	. ,			105									1
068320(6)       Factory Acceptance Test (FAT)       160       60       00       17.Jul-23			60	60	0% 04	-Apr-23	02-Jun-23	04-Apr-23	02-Jun-23	0			-23
Diff-site Prefabrication of Steel Grating Plattorm for Chinney       120       31-Mar-23       28-Jul-23       31-Mar-23       28-Jul-23       0       0       31-Mar-23       28-Jul-23       0       0       31-Mar-23       28-Jul-23       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	06-8310(6E)	Material & Equipment Procurement	60	60	0% 19	-Apr-23	17-Jun-23	19-Apr-23	17-Jun-23	0			19-Apr-23
06-8310(6F)       Perfabrication of Steel Grating Platform       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90       90 <td>; ;</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>	; ;							-					
968320(6F)       Factory Acceptance Test (FAT)       66       66       60       80-49-22       82-11-23       80-40-23       82-11-23       60       61       61       61       61-100-100-100-100-100-100-100-100-100-1												01 14-0 00	
Delivery of Cast-in pipes, Fittings and Anchor Bolts for Structures (if applicable)         48         48         81-Mar.23         18-May.23         04-Jan.23         04-Jan.23         04-Jan.24												31-Mar-23	
04-1805(6F)       Wastwater Treatment Plant (30d)       0       0       0%       31-Mar-23       13-Apr-23       13-Apr-23       13       13       0       0       0       0%       07-Apr-23       13-Apr-23       15-Apr-23       15-Apr-23       15-Apr-23       15-Apr-23       15-Apr-23       15-Apr-23       15-Apr-23       15-Apr-23       0       8       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	. ,							-					<u> </u>
04-1810(6F)Tipping Hall and Bunker (30d)000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000													Wastewater Treatment Plant (300
04-1830(6F)       Chimney (90d)       Chimney (90d)       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	04-1810(6F)	Tipping Hall and Bunker (30d)	0	0	0% 07-	-Apr-23		15-Apr-23		8			Tipping Hall and Bunker
04-1840(6F)       Mechanical Treatment Plant & Water Treatment Plant (90d)       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	04-1815(6F)	Turbine Hall Building (30d)	0	0	0% 31-	-Mar-23		08-May-23	6	38		4	🕈 Turbin e Hall Building (30 d), 31 - M
04-1870(6F)       Elevated Drive Way and Associated Structures (90d)       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	. ,		0	0	0% 14	-Apr-23		24-Jan-23					Chim ney (90d
Aritime Works       1357       170       30-Nov-19A       16-Sep-23       01-Apr-23       02-Dec-23       77       Image: Construction of Partial Second Secon	. ,		-	-									
Marine Construction of Phase 1 - Construction of Primeter Seawalls       1357       170       30-Nov-19A       16-Sep-23       01-Apr-23       02-Dec-23       77         Seawall and Berth at DCM Area       1357       140       30-Nov-19A       16-Sep-23       04-Apr-23       02-Dec-23       77         Seawall and Berth at DCM Area       1357       140       30-Nov-19A       17-Aug-23       04-Apr-23       02-Dec-23       107       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100 <td< td=""><td></td><td>Elevated Drive Way and Associated Structures (90d)</td><td>-</td><td></td><td></td><td></td><td>10 0 00</td><td></td><td></td><td></td><td></td><td></td><td>Elevated Drive Way and Associat</td></td<>		Elevated Drive Way and Associated Structures (90d)	-				10 0 00						Elevated Drive Way and Associat
Phase I - Construction of Permeter Seawalls         1357         170         30-Nov-19A         16-Sep-23         02-Dec-23         77         0           Seawall and Berth at DCM Area         1357         140         30-Nov-19A         17-Aug-23         02-Dec-23         107         0           Seawall and Berth at DCM Area         1357         140         30-Nov-19A         17-Aug-23         02-Dec-23         107         0           Seawall Structural Works         1357         140         30-Nov-19A         17-Aug-23         02-Dec-23         107         0           08-1115(3)         Caisson infill, Solid ballast, toe protection, precast concrete blocksetc Laying         250         663         74.8%         30-Nov-19A         17-Aug-23         02-Dec-23         107         0           08-1115(3)         Caisson infill, Solid ballast, toe protection, precast concrete blocksetc Laying         250         663         74.8%         30-Nov-19A         17-Aug-23         02-Dec-23         107         0           08-1115(3)         Caisson infill, Solid ballast, toe protection precast Conpring for Vertical Seawall         140         19-Oct-21A         17-Aug-23         02-Dec-23         107         0           08-1105-11(6)         Prefabrication of Precast Copping for Vertical Seawall         140         0% </td <td></td>													
Seawall and Berth at DCM read         Seawall Berth at DCM read         1357         140         30-Nov-19A         17-Aug-23         02-Dec-23         107         Image: constraint of the seawall se													
Seawall Structural Works         Caisson infill, Solid ballast, toe protection, precast concrete blocksetc Laying         1357         140         I         7.4.89         17.4.92-23         02-Dec-23         107         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I													<u> </u>
Remain Works         667         140         10-Oct-21A         17-Aug-23         04-Apr-23         02-Dec-23         107         10-Oct-21A         17-Aug-23         04-Apr-23         02-Dec-23         107         10-Oct-21A         17-Aug-23         16-Jun-23         02-Dec-23         107         10-Oct-21A         17-Aug-23         16-Jun-23         02-Nov-23         77         10-Oct-21A         17-Aug-23         16-Jun-23         02-Nov-23         77         10-Oct-21A         17-Aug-23         16-Jun-23         02-Nov-23         17-Aug-23         16-Jun-23         12-Nov-23         17-Aug-23         12-Nov-23         17-Aug-23         12-Nov-23         17-Aug-23         12-Nov-23         17-Aug-23         12-Nov-23         12-Nov	-												
08-1105-11(6)       Prefabrication of Precast Copping for Vertical Seawall       140       140       00       31-Mar-23       17-Aug-23       16-Jun-23       02-Nov-23       77       31-Mar-23							-						
08-1105-11(6)       Prefabrication of Precast Copping for Vertical Seawall       140       140       0%       31-Mar-23       17-Aug-23       16-Jun-23       02-Nov-23       77       16-Jun-23	Remain Works		677	140	10	-Oct-21 A	17-Aug-23	04-Apr-23	02-Dec-23	107			
08-1120-1(6) Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B 220 75 65.91% 10-Oct-21 A 13-Jun-23 19-Sep-23 02-Dec-23 172	. ,						-						
									-				
09 1120 2/MEE) Construction of Segural and Main Wall Extension from 12m PD to Dock Lovel for Segural P No. C1 Segural P No. C	. ,							· ·					
08-1120-2(M55)       Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B No. C1       60       30       50%       31-May-22 A       29-Apr-23       19-Oct-23       17-Nov-23       202         08-1120-4(M55)       Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B No. C7       60       30       50%       31-May-22 A       29-Apr-23       04-Jun-23       03-Jul-23       65	. ,												,
08-1120-4(M55)       Construction of Seawall and wave wall Extension from + 3m PD to Deck Level for Seawall B No. C7       60       30       50% 31-May-22 A       29-Apr-23       04-Jun-23       65         Month Polling Programme (March 2023)       Extension from + 3m PD to Deck Level for Seawall B NO. C7       60       30       50% 31-May-22 A       29-Apr-23       04-Jun-23       65	00-1120-4(10100)	CONSTRUCTION OF Seawait and wave wall Extension from +5mr D to Deck Level for Seawall B NO. C/	00	30	30% 31	-iviay-22 A	23-Api-23	04-3011-23					

ct No. EP/SP/66/12 t Facilities, Phase 1
May         Jun           66         67           -23, Factory Acceptance Test (FAT), Factory Acceptance Test (FAT), 22-Apr-23           29-May-23, Delivery to Site
15-May-23
<ul> <li>30-Apr-23, Material &amp; Equipment Procurement, Material &amp; Equipment Procurem</li> </ul>
curement, Material & Equipment Procurement, 31-Mar-23 curement, Material & Equipment Procurement, 31-Mar-23
Material & Equipment Procurement, 29-Apr-23, 29-Apr-23, Material & Equipment Factory Acceptance Test (F 10-May-23
21-Jun-23 21-Jun-23 44 Material Procurement, 14-May-23, 14-May-23, Material Procu
FAT), Factory Acceptance Test (FAT), 31-Mar-23 and Approval, Material Submission and Approval, 03-Apr-23
O3-May-23, Material & Equipment Procurement, Material & Equipment Procu     O2-Jun-23, Delivery to Site
29-Apr-23, Procurement of Precast Concete Wall Panel Moulding & Fabrication, F
02-Jun-23, Material Submission an 17-Jun-23, Mat 19-May-23
30-May-23
-Mar-23 d), 07-Apr-23 3 -Apr-23 ♦ Mechanical Treatment Plant & Water Treatment Plant (9
tructures (90d), 31-Mar-23
01-Jun-23, Caisson infill, Solid balla
13-Jun-23, Construct 29-Apr-23, Construction of Seawall and Wave Wall Extension from +3mPD to Dec 29-Apr-23, Construction of Seawall and Wave Wall Extension from +3mPD to Dec

	Activity Name	Original Duration	Remaining Duration	Activity % Current Start Complete	Current Finish	Late Start Late Finish	lotal Float M64 Remark	s Mar	Apr
					10 Can 00		77	64	65
Seawall at Dredging Area Remain Works		160 160	43 43			20-Oct-23 02-Dec-23 20-Oct-23 02-Dec-23	77		
08-1170	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level (Bay 1 to Bay 8)	160	43	73% 11-Jul-22 A		20-Oct-23 02-Dec-23	77		
hase II - Reclamation, Brea	kwater and Berth Construction	793	93	08-Feb-21 A	01-Jul-23	01-Apr-23 31-Jul-23	30		
Reclamation		134			13-May-23	01-Apr-23 28-May-23	15		
Reclamation Works		134	44 19		13-May-23 18-Apr-23	01-Apr-23 28-May-23	15		1
Surcharge Period 08-3130(6)	Loading @ +11&+13mPD at South Edge Area (Area 5)	60 60	19			15-Apr-23 03-May-23 15-Apr-23 03-May-23	15 15		18-Apr
Surcharge Removal		134	44		13-May-23	01-Apr-23 28-May-23	15		
08-3200-2(M57)	Rem ove Surcharge at West Edge Area (Area 7B1) (30,500 m3 @ 4000 m3/d)	45	40	11.11% 01-Jan-23 A	09-May-23	01-Apr-23 10-May-23	1		1
08-3210(6)	Remove Surcharge at South Edge Area (Area 5) (96,700 m3 @ 4000 m3/d)	25	25	0% 19-Apr-23	13-May-23	04-May-23 28-May-23	15		19-Apr-23
Breakwater		516		·	21-Jun-23	12-Jun-23 31-Jul-23	40		
08-1295(3) Remain Works	Caisson Infill, Solid ballast, toe protection, precast concrete blocksetc Laying	200	20 30	· ·	19-Apr-23 21-Jun-23	12-Jun-23 01-Jul-23 02-Jul-23 31-Jul-23	73 40		[] 19-A
08-1300	Construction of Caissons Extension from +3mPD to Deck Level	120 120		75% 31-May-22 A		02-Jul-23 31-Jul-23	40		
Seawall and Berth at Marine		183				03-Apr-23 01-Jul-23	0		
08-1320(5A)	Caisson Infill, Solid ballast, toe protection, precast concrete blocksetc Laying	90	23	74.44% 08-Feb-21 A	22-Apr-23	10-May-23 01-Jun-23	40		Ç 2
Seawater Intake Structure		90	90	03-Apr-23	01-Jul-23	03-Apr-23 01-Jul-23	0		]
08-2400(6D)	Construction of Seawater Intake	90	90	0% 03-Apr-23		03-Apr-23 01-Jul-23	0	03-Apr-	23
oundation Works		238	148		A 25-Aug-23	26-Feb-23 20-Jul-23	-36		
	Gallery Bld Foundation	79	59		29-May-23	05-May-23 03-Jul-23	36		
09-1060	allery BId Piling Works (Driven H-pile) Driven H Pile Installations (141 nrs ~60m(D) & (16 nrs ~60m(D), @ 60m/d 2 Groups )	79 79		25% 01-Mar-23 A	29-May-23	05-May-23 03-Jul-23 05-May-23 03-Jul-23	36 36		
	Bunker & Tipping Hall Bid Foundation	93			31-May-23	01-Apr-23 28-Jun-23	27		L. 
Process Building Pile Cap C		93			31-May-23	01-Apr-23 28-Jun-23	27		1
Pile Cap Stage 1 (Module 1		68	37	09-Feb-23 A	06-May-23	04-Apr-23 14-May-23	8		
Process Building (Module	1) Tipping Hall	68	37	09-Feb-23 A	06-May-23	04-Apr-23 14-May-23	8		1
09-1180	Excavation to Pile Cap Formation	25	13	48% 09-Feb-23 A	· ·	04-Apr-23 16-Apr-23	4		12-Apr-23, E
09-1190	Pile Cut-off & Capping Plate (76 nrs, 4nr/d)	19			· ·	22-Apr-23 23-Apr-23	8		□ 15-Apr-2
09-1200 Pile Cap Stage 2 (Module 2	Pile Caps Construction (26nrs 8set @ 1/7d)	23 93	23 62	0% 14-Apr-23	06-May-23 31-May-23	22-Apr-23 14-May-23 02-Apr-23 04-Jun-23	8		14-Apr-23
Process Building (Module		49	49	13-Apr-23	31-May-23	17-Apr-23 04-Jun-23	4		1
09-1210	Excavation to Pile Cap Formation	25	25	0% 13-Apr-23	07-May-23	17-Apr-23 11-May-23	4		13-Apr-23
09-1220	Pile Cut-off & Capping Plate (51 nrs, 4nr/d)	13	13	0% 28-Apr-23	10-May-23	02-May-23 14-May-23	4		28-Apr
09-1230	Pile Caps Construction (22nrs 8set @ 1/7d)	20	20	0% 28-Apr-23	17-May-23	02-May-23 21-May-23	4		28-Apr
09-2370	Excavation to Pile Raft Foundation Formation	28	28	0% 04-May-23	31-May-23	08-May-23 04-Jun-23	4		
Process Building (Module		36	1		31-Mar-23	02-Apr-23 02-Apr-23	2		0 31-Mar-23, Pile Caps and Raf
09-2390 Pile Cap Stage 3 (Module 3	Pile Caps and Raft Foundation Construction (50m x 36m 4set @100m2/7d)	36 42		97.23% 08-Feb-23 A	31-Mar-23	02-Apr-23 02-Apr-23 01-Apr-23 28-Jun-23	2		U: 31-Mar-23, Pile Caps and Raf
Process Building (Module		42			11-May-23	01-Apr-23 12-May-23	1		
09-1240	Excavation to Pile Raft Foundation Formation	25	25	0% 31-Mar-23			1	31-Mar-23	ļ
09-1250	Pile Cut-off & Capping Plate (168 nrs, 10nr/d)	17	17	0% 10-Apr-23	27-Apr-23	16-Apr-23 03-May-23	6		10-Apr-23
09-1260	Pile Caps and Raft Foundation Construction (60m x 24m 4set@100m2/7day)	26	26	0% 15-Apr-23	11-May-23	16-Apr-23 12-May-23	1		15-Apr-23
09-2550	Excavation to Pile Cap Formation	25	25	0% 31-Mar-23	24-Apr-23	08-Apr-23 02-May-23	8	31-Mar-23	·····
09-2560 09-2570	Pile Cut-off & Capping Plate (22 nrs, 4nr/d)	6 18	6 18	0% 21-Apr-23 0% 16-Apr-23	27-Apr-23	29-Apr-23 05-May-23 24-Apr-23 12-May-23	8		21-Apr-23 🗖
Process Building (Module	Pile Caps Construction (5nrs 2set @ 1/7d) 3) Bunker	25	24	· ·	04-May-23 23-Apr-23	02-Jun-23 28-Jun-23	65		10-Api-23
09-2420	Excavation to Pile Raft Foundation Formation	25	10	60% 23-Mar-23 A		02-Jun-23 11-Jun-23	63	23-Mar-23 A 23-Mar-23 A	09-Apr-23, Exca
09-2430	Pile Cut-off & Capping Plate (338 nrs, 15nr/d)	23	23	0% 31-Mar-23	23-Apr-23	05-Jun-23 28-Jun-23	66	31-Mar-23	
09-2440	Pile Caps and Raft Foundation Construction (60m x 32m 4set@100m2/7day)	21	21	0% 03-Apr-23	23-Apr-23	05-Jun-23 25-Jun-23	63	03-Apr-	23
	& Flue Gas Treatment Bld Foundation	50			A 09-Apr-23	02-Jul-23 11-Jul-23	93		
C Base Slab		50			A 09-Apr-23	02-Jul-23 11-Jul-23	93		
10-1600 CC Equipment Foundat	Base Slab Stage 3 (Module 3)	50 137	10 128	80% 23-Dec-22 /	09-Apr-23	02-Jul-23 11-Jul-23 22-Apr-23 14-Jul-23	93 -22		09-Apr-23, Base
CC Piling Works (Driven H		15			14-Apr-23		26		
09-1680	Pile Load Test	15			14-Apr-23	26-Apr-23 10-May-23	26	31-Mar-23	
CC Pile Cap Construction		137	128	03-Feb-23 A	05-Aug-23	22-Apr-23 14-Jul-23	-22		
09-1700	Pile Cut-off & Capping Plate (Module 1)	18	3	83.33% 03-Feb-23 A	02-Apr-23	22-Apr-23 24-Apr-23	22		02-Apr-23, Pile Cut-off & 0
09-1710	Pile Caps Construction (Module 1)	30	30	0% 03-Apr-23*	02-May-23	25-Apr-23 24-May-23	22	03-Apr-2	· · · · · · · · · · · · · · · · · · ·
09-1710-1(6)	Tie Beam's Construction (Module 1 @+6.5mPD)	30	30	0% 17-Apr-23	16-May-23	09-May-23 07-Jun-23	22		17-Apr-23
09-1710-1(M58) CC Equipment Structure	Excavation to Pile Caps formation and construction (Module 2 & 3)	30 30	30 30	0% 07-Jul-23 17-May-23	05-Aug-23 15-Jun-23	15-Jun-23 14-Jul-23 08-Jun-23 07-Jul-23	-22 22		
09-1720	Base Slab Construction (Module 1 @+6.5mPD)	30		0% 17-May-23	15-Jun-23	08-Jun-23 07-Jul-23	22		<u>.</u>
Irbine Hall Bld Founda		161	130		07-Aug-23	26-Feb-23 20-Jun-23	-48		
urbine Hall Pile Caps Cons		161	130			26-Feb-23 20-Jun-23	-48		
Electrical Bld & TBS1		75	44	07-Feb-23 A	13-May-23	26-Feb-23 20-Jun-23	38		
Month Rollin ge 19 of 22	ng Programme (March 2023)					Actual	ning Work Work I Remaining <sup>v</sup>	<ul> <li>Actual Mileston</li> <li>Critical Milestor</li> <li>Work</li> </ul>	

act No. EP/SP/66/12 ht Facilities, Phase 1	環境保護署 Environmental Protection Department
May	Jun
66	67
Loading @ +11&+13mPD at South Edge	$Arco (Arco 5) \mid coding \otimes (118) (12m PD at 9)$
	Alea (Alea 5), Loading @+ 114+15111 D at C
	urcharge at West Edge Area (Area 7B1) (30,5 we Surcharge at South Edge Area (Area 5) (9
3, Caisson Infill, Solid ballast, toe protecti	on, precast concrete blocksetc Laying, Cais
	21-Jun-23
or-23, Caisson Infill, Solid ballast, toe pro	tection, precast concrete blocksetc Laying,
	29-May-23, Driven H Pile Installations (14
tion to Pilo Cap Formation Excavation to	Pilo Cap Formation 12 Apr 22
tion to Pile Cap Formation, Excavation to e Cut-off & Capping Plate (76 nrs, 4nr/d),	
	struction (26nrs 8set @ 1/7d)
07-May-23, Excavation to	
	ff & Capping Plate (51 nrs, 4nr/d)
lay-23	Pile Caps Construction (22nrs 8set @ 1/7d) 31-May-23, Excavation to Pile Raft Fou
ndation Construction (50m x 36m 4set @1	100m2/7d), Pile Caps and Raft Foundation Co
Apr 22 Exclusion to Pilo Paft Foundation	on Formation
-Apr-23, Excavation to Pile Raft Foundation 27-Apr-23, Pile Cut-off & Capping Plate	(168 nrs. 10nr/d)
	s and Raft Foundation Construction (60m x 24
-Apr-23, Excavation to Pile Cap Formatio	
27-Apr-23, Pile Cut-off & Capping Plate	e (22 nrs, 4nr/d)
04-May-23, Pile Caps Constru	iction (5nrs 2set @ 1/7d)
to Pile Raft Foundation Formation, Excav	
Apr-23, Pile Cut-off & Capping Plate (338 Apr-23, Pile Caps and Raft Foundation Co	nrs, 15nr/d) onstruction (60m x 32m 4set@100m2/7day)
Stage 3 (Module 3), Base Slab Stage 3 (N	Nodule 3), 09-Apr-23
L and Toot	
Load Test	
g Plate (Module 1), Pile Cut-off & Cappin	g Plate (Module 1), 02-Apr-23
02-May-23, Pile Caps Constructi	
<u></u>	e Beams Construction (Module 1@+6.5mPD
	07
17-May-23	15-Jun-23, Base 9

	Activity Name	Original Duration	Duration	Activity % Current Start Complete	Current Finish	Late Start	Late Finish	Total Float M64 Remarks	Mar	Apr
09-1750-1(M62)	Excavation & construction of 4.2x5.5m pit for TBS1 @2mPD	21	5	76.19% 14-Feb-23 A	04-Apr-23	02-Jun-23	06-Jun-23	63	64	65 04-Apr-23, Excavation & co
09-1760	Pile Cut-off & Capping Plate (98 nrs, @10nr/d)	10	8	20% 07-Feb-23 A	· ·		18-Mar-23	-20		Pile Cut-off & Capping
09-1770	Pile Caps and Ground Beam Construction for TBS1 & Electrical Bld to +6.3mPD	30	28	6.67% 15-Feb-23 A	27-Apr-23	26-Feb-23	25-Mar-23	-33		
09-1770-1(M58)	Install anchor bolts & Floor Finishes for TBS1 @+6.3mPD (Post-drilling)	14	14	0% 30-Apr-23	13-May-23		20-Jun-23	38		30-Ap
'BS2 & 3 09-1770-2(6G)	Pile Cut-off & Capping Plate (121 nrs, @10nr/d)	26			07-Aug-23 24-Jul-23		19-May-23 05-May-23	-80		
09-1770-2(8G) 09-1770-3(M62)	Excavation & construction of 4.2x5.5m pit for TBS2&3 @2mPD	21	21	0% 13-Jul-23	02-Aug-23	· ·	19-May-23	-75		1
09-1780	Pile Caps Construction	14	14	0% 25-Jul-23	07-Aug-23		19-May-23	-80		
mpressor & CCCW		67	60		-	-	08-Jun-23	-17		
CCW Pile Caps Constr	uction	67	60	06-Feb-23 A	25-Jun-23	09-Apr-23	08-Jun-23	-17		
9-2340	Excavation to Pile Cap Formation	43		6.98% 06-Feb-23 A		· ·	19-May-23	-17		1
9-2350 9-2350-1(6)	Pile Cut-off & Capping Plate (68 nrs, @10nr/d)	28 45	26 42	7.14% 14-Feb-23A 6.67% 21-Feb-23A		· ·	20-May-23 05-Jun-23	-17 -9		
9-2360	Pile Caps Construction to +5.85mPD (9 nrs, @0.2nr/d) Ground Beam Construction to +6.25mPD	45	42	0% 11-May-23	25-Jun-23		05-Jun-23	-17		• : 
	t Plant & Water Treatment Plant Bld Foundation	213	123				20-Jul-23	-11		
	lant & Water Treatment Plant Piling Works	194	53	23-Dec-22 A	23-May-23	19-Mar-23	11-May-23	-11		
lechanical Treatment F	Plant & Water Treatment Plant (Driven H-pile)	194	53	23-Dec-22 A	23-May-23	19-Mar-23	11-May-23	-11		
09-1870	Driven H Pile Installations (208 nrs ~45m(D), @60m/d 1 Group)	156	45	71% 08-Jan-23 A			03-May-23	-11		
09-1870-1(M54)	Driven H Pile Installations (174 nrs ~45m(D), @60m/d 1 Group)	131	17	87.4% 23-Dec-22 A	· ·	· ·	03-May-23	13		20-
09-1880	Pile Load Test lant & Water Treatment Plant Bld Pile Cap Construction	8	8 93	0% 15-May-23 30-Apr-23	23-May-23		11-May-23	-11		
	Plant Pile Cap Construction	70			01-Aug-23		20-Jul-23 20-Jul-23	-11 -11		
09-1920	Excavation to Pile Cap Formation	25	25		17-Jun-23		05-Jun-23	-11		
9-1930	Pile Cut-off & Capping Plate (410nrs, @20/d)	21	21	0% 30-May-23	20-Jun-23	19-May-23	08-Jun-23	-11		
9-1940	Pile Caps Construction	60	60	0% 02-Jun-23	01-Aug-23	22-May-23	20-Jul-23	-11		
	Pile Cap Construction	31			30-May-23		10-Jul-23	41		
09-1950	Excavation to Pile Cap Formation	28	28	0% 30-Apr-23	27-May-23		07-Jul-23	41		30-4
09-1960 MF Substation Buil	Pile Cut-off & Capping Plate	14 36	14 25	0% 17-May-23 15-Mar-23 A	30-May-23	27-Jun-23	10-Jul-23 25-Apr-23	41 0		
MF Substation Pile Ca		36					25-Apr-23	0		
-2010	Pile Cut-off & Capping Plate	30	2				02-Apr-23	0	A, 15-Mar-23 A	Pile Cut-off & Capping Plat
9-2020	Pile Caps Construction (24nrs, 4sets @1nr/7d)	30	25	16.67% 17-Mar-23 A	25-Apr-23	01-Apr-23	25-Apr-23	0	23 A, 17 - Mar - 23 A	
	nd Associated Structures Foundation	136	92	03-Dec-22 A		09-May-23		1		
	ng Works (Driven H-pile)	136	92		_		01-Jul-23	1		
9-2020(M57) 9-2030(M57)	Predrilling for Driven Pile founding determination (30nr ~60m, @15m/d, 4 Rigs) Driven H Pile Installations Grid RSA - RSG (248 rrs ~50m (D), @60m/d 4 Groups)	23 52	2 52	91.3% 03-Dec-22 A 0% 10-May-23	· ·	-	10-May-23	39		01-Apr-23, Predrilling for Dri
9-2030-2(M45)	Driven H Pile Installations Grid RSY - RSAF (24015 ~5011(0), @60m/d 4 Gloups)	34	34	0% 10-May-23	30-Jun-23 16-Jun-23	29-May-23	01-Jul-23	15		1 
e Bridge Foundati		136	112			-	15-Jul-23	-5		1
pe Bridge B		136	112	02-Feb-23 A	20-Jul-23	18-May-23	15-Jul-23	-5		
	orks Piling Works ( Driven H-pile)	8	8	31-Mar-23	07-Apr-23		21-Jun-23	75		
09-2460	Pile Load Test	8	-	0,0 0,0 00				75	31-Mar-23	07-Apr-23, Pile Load
Pipe Bridge B Pile Cap	S Construction Excavation to Pile Cap Formation	136	59				15-Jul-23	-5		
09-2470 09-2480	Pile Cut-off & Capping Plate (33 nrs, @ 4nr/d)	21	14			-	31-May-23 07-Jun-23	-5		· · · · · · · · · · · · · · · · · · ·
09-2490	Pile Caps Construction to +5.0mPD (33nr, 4set @ 1nr/7d)	30	23	23.33% 14-Feb-23 A			21-Jun-23	-5		1
09-2490-1(M58)	Concrete Pinth construction & install anchor bolts to +6.7mPD (16nrs)	24	24	0% 26-Jun-23	20-Jul-23	22-Jun-23		-5		
avy Load Access		123	123	25-Apr-23	25-Aug-23	04-Apr-23	12-Jun-23	-74		1 1 1
emolition		123	123	25-Apr-23	25-Aug-23		12-Jun-23	-74		
9-3020(6D)	Removal of Sub Base & Road Base & Foundation Works (Stage 1)	20	20	0% 25-Apr-23	14-May-23		23-Apr-23	-21		25-Apr-23
9-3030(6D)	Removal of Sub Base & Road Base & Foundation Works (Stage 2)	50	50	0% 07-Jul-23	25-Aug-23		12-Jun-23	-74		
erstructural Wo		232	202	08-Feb-23 A			27-Aug-23	-52		
	aste Bunker & Tipping Hall Bld Structure	138	108	08-Feb-23 A 08-Feb-23 A			17-Jul-23 16-Jul-23	1		
ste & Ash Bunker Bld	ule 1) Waste & Ash Bunker Bld Structure	136 96	106 96	31-Mar-23	04-Jul-23		10-Jul-23	6		
0-1110	Beam & Slab to +6.0mPD	30	30	0% 31-Mar-23	29-Apr-23		14-May-23	15	31-Mar-23	
10-1120	Column & Wall to +20.0mPD	10	10	0% 12-Jun-23	21-Jun-23		27-Jun-23	6		
0-1130	Beam & Slab to +15.0mPD	30	30	0% 13-May-23	11-Jun-23	19-May-23	17-Jun-23	6		
0-1140	Beam & Slab to +20.0mPD	13	13	0% 22-Jun-23	04-Jul-23	28-Jun-23	10-Jul-23	6		
	ule 2) Waste & Ash Bunker Bid Structure	136	105	08-Feb-23 A	-		16-Jul-23	2		
0-1200	Beam & Slab to +2.5mPD	21	21	0% 08-Feb-23 A			23-Apr-23	2		
10-1210	Column & Wall to +6.0m PD Beam & Slab to +6.0m PD	21	21 21	0% 22-Apr-23	12-May-23		14-May-23	2		22-Apr-23 🗖
10-1220	Column & Wall to +20.0mPD	21	21	0% 13-May-23 0% 24-Jun-23	02-Jun-23 14-Jul-23	-	04-Jun-23 16-Jul-23	2		
10-1240	Beam & Slab to +15.0mPD	21	21	0% 03-Jun-23	23-Jun-23		25-Jun-23	2		
	ule 3) Waste & Ash Bunker Bid Structure	14			07-Jul-23		09-Jul-23	2		
10-1310	Beam & Slab to +2.5mPD	14	14		07-Jul-23		09-Jul-23	2		
		· · · · ·					Bom	aining Work	Actual Milestor	
lonth Rol	ling Programme (March 2023)							0		
							A		Critical Milanta	20
e 20 of 22							Actua	al Work	<ul> <li>Critical Milesto</li> </ul>	ne

ct No. EP/SP/66/12 Facilities, Phase 1	環境保護署 Environmental Protection Department
2023	
May 66	Jun 67
uction of 4.2x5.5m pit for TBS1 @2m	PD, Excavation & construction of 4.2x5.5m pit fd
	pr-23, Pile Cut-off & Capping Plate (98 nrs, @10
	uction for TBS1 & Electrical Bld to +6.3mPD, 27
	tall anchor bolts & Floor Finishes for TBS1 @+6
	For each in the Dills Over Former's
	Excavation to Pile Cap Formati
	Pile Cut-off & Capping Plate (
	Pile Caps Construct
11-May-23	25-J
Driven H Pile	e Installations (208 nrs ~45m(D), @60m/d 1 Gro
	~45m(D), @60m/d 1 Group), Driven H Pile Inst 3-May-23, Pile Load Test
23-May-23 💻	17-Jun-23, Exc
30-May	-23 20-Jun-23,
02-	-Jun-23
	27-May-23, Excavation to Pile Cap Formatic
17-May-23	30-May-23, Pile Cut-off & Capping Plate
nr 22 02 Anr 22 Bile Cut off 8 Con	aing Plata
pr-23, 02-Apr-23, Pile Cut-off & Cap	JIIGFIALE
e Caps Construction (24nrs, 4sets @	01nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const
e Caps Construction (24nrs, 4sets @	
	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const
e founding determination (30nr ~60m	
e founding determination (30nr ~60m 10-May-23	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const 1, @15m/d, 4 Rigs), Predrilling for Driven Pile fo
e founding determination (30nr ~60m	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const
e founding determination (30nr ~60m 10-May-23	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const 1, @15m/d, 4 Rigs), Predrilling for Driven Pile fo
e founding determination (30nr ~60m 10-May-23	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const 1, @15m/d, 4 Rigs), Predrilling for Driven Pile fo
e founding determination (30nr ~60m 10-May-23	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const 1, @15m/d, 4 Rigs), Predrilling for Driven Pile fo
e founding determination (30nr ~60m 10-May-23	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const 1, @15m/d, 4 Rigs), Predrilling for Driven Pile fo
e founding determination (30nr ~60m 10-May-23	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const 1, @15m/d, 4 Rigs), Predrilling for Driven Pile fo
e founding determination (30nr ~60m 10-May-23	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const 1, @15m/d, 4 Rigs), Predrilling for Driven Pile fo
e founding determination (30nr ~60m 10-May-23	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const n, @15m/d, 4 Rigs), Predrilling for Driven Pile fo 16-Jun-23, Drive
e founding determination (30nr ~60m 10-May-23	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const n, @15m/d, 4 Rigs), Predrilling for Driven Pile fo 16-Jun-23, Drive Excavation to Pile Cap Formati
e founding determination (30nr ~60m 10-May-23	1nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const , @15m/d, 4 Rigs), Predrilling for Driven Pile fo 16-Jun-23, Drive Excavation to Pile Cap Formati Pile Cut-off & Capping
e founding determination (30nr ~60m 10-May-23	91nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const a, @15m/d, 4 Rigs), Predrilling for Driven Pile fo 16-Jun-23, Drive Excavation to Pile Cap Formati Pile Cut-off & Capping Pil
e founding determination (30nr ~60m 10-May-23	1nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const , @15m/d, 4 Rigs), Predrilling for Driven Pile fo 16-Jun-23, Drive Excavation to Pile Cap Formati Pile Cut-off & Capping Pil
e founding determination (30nr ~60n 10-May-23 14-May-23	1nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const , @15m/d, 4 Rigs), Predrilling for Driven Pile fo 16-Jun-23, Drive Excavation to Pile Cap Formati Pile Cut-off & Cappin Pil 26-Jun-23
e founding determination (30nr ~60n 10-May-23 14-May-23	emoval of Sub Base & Road Base & Foundation
e founding determination (30nr ~60n 10-May-23 14-May-23	1nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const a, @15m/d, 4 Rigs), Predrilling for Driven Pile for 16-Jun-23, Drive Excavation to Pile Cap Formati Pile Cut-off & Capping Pil 26-Jun-23
e founding determination (30nr ~60n 10-May-23 14-May-23	emoval of Sub Base & Road Base & Foundation
e founding determination (30nr ~60n 10-May-23 14-May-23	emoval of Sub Base & Road Base & Foundation
e founding determination (30nr ~60n 10-May-23 14-May-23	emoval of Sub Base & Road Base & Foundation
e founding determination (30nr ~60n 10-May-23 14-May-23	emoval of Sub Base & Road Base & Foundation
e founding determination (30nr ~60n 10-May-23 14-May-23	emoval of Sub Base & Road Base & Foundation 077
e founding determination (30nr ~ 60nr 10-May-23 14-May-23 14-May-23 14-May-23, R	emoval of Sub Base & Road Base & Foundation 077
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 14-May-23, R 14-May-23, R	emoval of Sub Base & Road Base & Foundation PD
e founding determination (30nr ~ 60nr 10-May-23 14-May-23 14-May-23 14-May-23, R	21nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const a, @15m/d, 4 Rigs), Predrilling for Driven Pile fo 16-Jun-23, Drive Excavation to Pile Cap Formati Pile Cut-off & Capping Pil 26-Jun-23 emoval of Sub Base & Road Base & Foundation 07 12-Jun-23 11-Jun-23, Beam & Siz
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 14-May-23, R 14-May-23, R	emoval of Sub Base & Road Base & Foundation Pile D 12-Jun-23 21-Jun-23 21-Ju
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 29-Apr-23, Beam & Slab to +6.0n 13-May-23	emoval of Sub Base & Road Base & Foundation Pile PD 12-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 22-Jun-23
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 129-Apr-23, Beam & Slab to +6.0n 13-May-23 3. Beam & Slab to +2.5mPD, Beam	21nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const a, @15m/d, 4 Rigs), Predrilling for Driven Pile for 16-Jun-23, Drive Excavation to Pile Cap Formati Pile Cut-off & Capping Pile Cut-off & Capping Pile 26-Jun-23 emoval of Sub Base & Road Base & Foundation 07 12-Jun-23 11-Jun-23, Beam & Siz 22-Jun-23 & Slab to +2.5mPD, 21-Apr-23
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 129-Apr-23, Beam & Slab to +6.0n 13-May-23 3, Beam & Slab to +2.5mPD, Beam 12-May-23, Colu	Annu Sub Base & Road Base & Foundation Pine Diagram State & Stab to +2.5mPD, 21-Apr-23 Market & Stab to +2.5mPD, 21-Apr-23 mn & Wall to +6.0mPD
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 129-Apr-23, Beam & Slab to +6.0n 13-May-23 3. Beam & Slab to +2.5mPD, Beam	Annu 25-Apr-23, 25-Apr-23, Pile Caps Const and 25-Apr-23, 25-Apr-23, Pile Caps Const and 25-Apr-23, Pile Caps Const and 25-Apr-23, Pile Caps Form atting Excavation to Pile Cap Form atting Pile Cut-off & Capping Pile
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 129-Apr-23, Beam & Slab to +6.0n 13-May-23 13-May-23 12-May-23, Colu 13-May-23	Annu Principal Stab to +2.5mPD, 21-Apr-23, Pile Caps Const an (2) 15m/d, 4 Rigs), Predrilling for Driven Pile for 16-Jun-23, Drive Excavation to Pile Cap Formati Pile Cut-off & Capping Pile 26-Jun-23 26-Jun-23 26-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-Jun-23 21-
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 129-Apr-23, Beam & Slab to +6.0n 13-May-23 13-May-23 12-May-23, Colu 13-May-23	Annu 25-Apr-23, 25-Apr-23, Pile Caps Const and 25-Apr-23, 25-Apr-23, Pile Caps Const and 25-Apr-23, Pile Caps Const and 25-Apr-23, Pile Caps Form atting Excavation to Pile Cap Form atting Pile Cut-off & Capping Pile
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 129-Apr-23, Beam & Slab to +6.0n 13-May-23 13-May-23 12-May-23, Colu 13-May-23	Annual of Sub Base & Road Base & Foundation Pine Pile Cut-off & Capping Pile Cut-off & Capping Note that the Capping & Slab to +2.5mPD, 21-Apr-23 mn & Wall to +6.0mPD 02-Jun-23, Beam & Slab to +6.0mF 24-Jun-23 3-Jun-23 23-Jun
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 129-Apr-23, Beam & Slab to +6.0n 13-May-23 13-May-23 12-May-23, Colu 13-May-23	Annu Principal Stab to +6.0mP 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-24 24-Jun-24 24-Jun-24 24-Jun-24 24-Jun-24 24-Jun-24 24-Jun-24 24-Jun-24 24-Jun-24 24-Jun-24 24-Jun-24 24-Jun-24 24
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 129-Apr-23, Beam & Slab to +6.0n 13-May-23 13-May-23 12-May-23, Colu 13-May-23	Annual of Sub Base & Road Base & Foundation Pine Pile Cut-off & Capping Pile Cut-off & Capping Note that the Capping & Slab to +2.5mPD, 21-Apr-23 mn & Wall to +6.0mPD 02-Jun-23, Beam & Slab to +6.0mF 24-Jun-23 3-Jun-23 23-Jun
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 129-Apr-23, Beam & Slab to +6.0n 13-May-23 13-May-23 12-May-23, Colu 13-May-23	Annual of Sub Base & Road Base & Foundation Pine Pile Cut-off & Capping Pile Cut-off & Capping Note that the Capping & Slab to +2.5mPD, 21-Apr-23 mn & Wall to +6.0mPD 02-Jun-23, Beam & Slab to +6.0mF 24-Jun-23 3-Jun-23 23-Jun
e founding determination (30nr ~ 60n 10-May-23 14-May-23 14-May-23 14-May-23 14-May-23, R 14-May-23, R 129-Apr-23, Beam & Slab to +6.0n 13-May-23 13-May-23 12-May-23, Colu 13-May-23	11nr/7d), 25-Apr-23, 25-Apr-23, Pile Caps Const a, @15m/d, 4 Rigs), Predrilling for Driven Pile fo 16-Jun-23, Drive Excavation to Pile Cap Formati Pile Cut-off & Capping Pil 26-Jun-23 emoval of Sub Base & Road Base & Foundation 07 12-Jun-23 11-Jun-23, Beam & Sla 22-Jun-23 & Slab to +2.5mPD, 21-Apr-23 mn & Wall to +6.0mPD 02-Jun-23, Beam & Slab to +6.0mF 24-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23 23-Jun-23

	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float M64 Remarks	Mar 64	Apr 65
Process Building Contr 10-2330	ol Building Column & Wall to +6.0m PD	106 21	85 8		08-Feb-23 A 08-Feb-23 A		06-Apr-23	30-Jun-23 13-Apr-23	7 6		07-Apr-23, Column & W
10-2340	Beam & Slab to +6.0mPD	21	21		08-Apr-23	28-Apr-23	· ·	05-May-23	7		00 4
10-2350	Column & Wall to +13.0mPD	14	14	0%	29-Apr-23	12-May-23		19-May-23	7		29-Apr-2
10-2360	Beam & Slab to +13.0mPD	14	14		13-May-23	26-May-23		02-Jun-23	7		
10-2370	Column & Wall to +20.5mPD	7	7		27-May-23	02-Jun-23		09-Jun-23	7		
10-2380 10-2390	Beam & Slab to +20.5mPD           Column & Wall to +23.5mPD	7	7		03-Jun-23 10-Jun-23	09-Jun-23 16-Jun-23		16-Jun-23 23-Jun-23	7		
10-2400	Beam & Slab to +23.5mPD	7	7		17-Jun-23	23-Jun-23		30-Jun-23	7		-
Common Server Room		63	63		08-Apr-23	09-Jun-23		10-Jul-23	31		
10-2490	Beam to +6.0mPD	21	21	0%	08-Apr-23	28-Apr-23	14-Apr-23	04-May-23	6		08-Apr-23
10-2500	Slab at +6.0mPD	14	14		29-Apr-23	12-May-23		18-May-23	6		29-Apr-2
10-2510	Column & Wall to +11.5mPD	14	14		13-May-23 27-May-23	26-May-23		26-Jun-23	31		
10-2520 ipping Hall Bld Structu	Beam & Slab to +11.5mPD	71	14 71			09-Jun-23 16-Jul-23	27-Jun-23	10-Jul-23	31 1		
	ule 1) Tipping Hall Bld Structure	63	63		07-May-23	08-Jul-23		16-Jul-23	8		-
10-1430	Beam & Slab to +6.0mPD	21	21	0%	07-May-23	27-May-23	15-May-23	04-Jun-23	8		
10-1440	Column & Wall to + 17.0mPD	21	21	0%	28-May-23	17-Jun-23	05-Jun-23	25-Jun-23	8		}
10-1450	Beam & Slab to +17.0mPD	21	21		18-Jun-23	08-Jul-23	26-Jun-23		8		
	ule 2)Tipping Hall Bld Structure	42	42		03-Jun-23	14-Jul-23	05-Jun-23		2		
10-1480 10-1490	Beam & Slab to +6.0mPD Column & Wall to +17.0mPD	21 21	21 21		03-Jun-23 24-Jun-23	23-Jun-23 14-Jul-23	26-Jun-23	25-Jun-23	2		
Process Building (Modu		66	66			16-Jul-23		17-Jul-23	1		-
10-3000(6F)	Slab to +2.0mPD	45	45		12-May-23	25-Jun-23		26-Jun-23	1		- <i>2</i>
10-3010(6F)	Slab to +3.5mPD	21	21	0%	26-Jun-23	16-Jul-23	27-Jun-23	17-Jul-23	1		
	iler & Flue Gas Treatment Bid Structure	120	120		31-Mar-23	28-Jul-23		27-Aug-23	30		
Steel Structure		120	120		31-Mar-23	28-Jul-23	30-Apr-23	-	30		
Boiler Building Steel St	ructure dule 1) Steel Structure Erection	120 60	120 60		31-Mar-23 31-Mar-23	28-Jul-23 29-May-23	30-Apr-23 30-Apr-23	27-Aug-23	30		
10-1640	Roof Cladding Installation	60	60		31-Mar-23	29-May-23		28-Jun-23	30	31-Mar-23	1
	Jule 2) Steel Structure Erection	60	60		30-May-23	28-Jul-23	· ·	27-Aug-23	30		
10-1680	Roof Cladding Installation	60	60		30-May-23	28-Jul-23		27-Aug-23	30		- J
urbine Hall Bld Struc	sture	173	136		14-Feb-23 A	10-Sep-23	26-Mar-23	03-Jul-23	-69		}
Turbine Hall Electrical Bl		128	91		14-Feb-23 A			03-Jul-23	-24		
10-1910	Slab to +6.0mPD	14	21		14-Feb-23 A	-	· ·	24-Apr-23	-24		
10-1920 10-1930	Column & Wall to + 15.0mPD Beam & Slab to + 15.0mPD	14	14 14		19-May-23 02-Jun-23	01-Jun-23 15-Jun-23	· ·	08-May-23 22-May-23	-24 -24		
10-1940	Column & Wall to + 19.5mPD	14	14		16-Jun-23	29-Jun-23	-	05-Jun-23	-24		
10-1950	Beam & Slab to +19.5mPD	14	14		30-Jun-23	13-Jul-23		19-Jun-23	-24		
10-1960	Column & Wall to +23.5mPD	14	14	0%	14-Jul-23	27-Jul-23	20-Jun-23	03-Jul-23	-24		1
Turbine Hall TBS1		89	89		28-Apr-23	25-Jul-23	26-Mar-23	22-Jun-23	-33		
10-2300	Ground Beam and Slab to +6.0mPD	14	14			11-May-23	26-Mar-23	· · ·	-33		28-Apr-23
10-2310 10-2320	Column & Wall to +15.0mPD & +23.5mPD Beam & Slab to +28.0mPD	45 30	45 30		12-May-23 26-Jun-23	25-Jun-23 25-Jul-23	09-Apr-23 24-May-23	23-May-23	-33 -33		
STG Foundation (PC1)		30	31		28-Jun-23	23-Jui-23 28-May-23		16-Jun-23	-33		
10-1990-1(M58)	STG Foundation construction and install anchor bolts @ +9.5	21	21		28-Apr-23	18-May-23		06-Jun-23	19		28-Apr-23
10-1990-2(M58)	STG Foundation construction and install anchor bolts @ +10.77	10	10		19-May-23	28-May-23		16-Jun-23	19		
urbine Hall TBS2 & 3		48	48		25-Jul-23	10-Sep-23		25-Jun-23	-77		
10-2000	Ground Beam and Slab to +6.0mPD and install anchor bolts & Floor Finishes for TBS2 & 3 @ +6.3r	20	20		08-Aug-23	27-Aug-23	20-May-23		-80		
10-2010	Column & Wall to +15.0mPD & +23.5mPD	22 14	22 14		12-Aug-23	02-Sep-23	24-May-23		-80		
STG Foundation (PC2)	Beam & Slab to +28.0mPD	31	31		28-Aug-23 25-Jul-23	10-Sep-23 24-Aug-23		22-Jun-23 23-Jun-23	-80 -62		
10-1990-3(M58)	STG Foundation construction and install anchor bolts @ +9.5	21	21		25-Jul-23	14-Aug-23	24-May-23 24-May-23		-62		-
10-1990-4(M58)	STG Foundation construction and install anchor bolts @ +10.77	10	10	0%	15-Aug-23	24-Aug-23	14-Jun-23		-62		
STG Foundation (PC3)		31	31		25-Jul-23	24-Aug-23	26-May-23	25-Jun-23	-60		
10-1990-5(M58)	STG Foundation construction and install anchor bolts @ +9.5	21	21		25-Jul-23	14-Aug-23		15-Jun-23	-60		
10-1990-6(M58)	STG Foundation construction and install anchor bolts @ +10.77	10	10		15-Aug-23	24-Aug-23		25-Jun-23	-60		
ompressor & CCCW 0-2030	Slab to +6.5mPD & install anchor bolts	35 21	35 21		25-Jun-23 25-Jun-23	30-Jul-23 16-Jul-23	08-Jun-23	13-Jui-23 29-Jun-23	-17 -17		
0-2040	Column & Wall to +14.0mPD	21	21		09-Jul-23	30-Jul-23	22-Jun-23		-17		
himney Structure		98	98		13-Jul-23	18-Oct-23	24-Apr-23		-80		
0-2060	Chimney RC Structure (1st to 46th Pour)	98	98	0%	13-Jul-23	18-Oct-23	24-Apr-23	30-Jul-23	-80		- J
MF Substation Strue	cture	42	42		31-Mar-23 A	10-Jun-23	26-Apr-23	06-Jun-23	-4		}
0-2170	Ground Slab and Beam to +6mPD	21	21		31-Mar-23 A	-		16-May-23	-4	31-Mar-23 A, 31-Mar-23 A	
0-2180	Column, wall, beam and Slab to +9.0mPD	21	21		21-May-23	10-Jun-23		06-Jun-23	-4		
uilding Services In	stallation	120	120		11-Jun-23	08-Oct-23	07-Jun-23	04-Oct-23	-4		
Month Rol	ling Programme (March 2023)							Rema	uning Work	<ul> <li>Actual Milestor</li> </ul>	ne

nt Facilities,	SP/66/12 Phase 1	£	環境保護署 Environmental Protection Departm	ent
2023	May 66		Jun 67	
II to +6.0m PD, Colun 28-Apr-23, Beam 13-May-23	nn & Wall to +6.0r & Slab to +6.0mF 12-May-23, Colu 27-May-23	2D mn & W all to 26-May-23	-23	ab t olur
28-Apr-23, Beam				
13-May-23	12-May-23, Slab	26-May-23	3, Column & Wall to +11.5m PD 09-Jun-23, Beam & SI	ab t
)7-May-23	28-May-23		23, Beam & Slab to +6.0mPD 17-Jun-23, ( 18-Jun-23	Col
	03	3-Jun-23 🗖	23- 24-Jun-23	Jun
12-May-23			26-Jun-23	25-J
		<b>2</b> 9-Ma	ay-23, Roof Cladding Installation	
	30-May-	23		
	ay-23		-May-23, 18-May-23, Slab to +6 I-Jun-23, Column & Wall to +15 15-Jun-23, Be 16-Jun-23 30-Jun-23	.0m am
19-M	ay-23	Jun-23	1-Jun-23, Column & Wall to + 15 15-Jun-23, Be 16-Jun-23 30-Jun-23 Slab to +6.0mPD	.0m am
19-M	ay-23 02- 11-May-23, Groun	0 Jun-23	I-Jun-23, Column & Wall to + 15 15-Jun-23, Be 16-Jun-23 30-Jun-23 Slab to +6.0mPD 2 26-Jun-23	am am 3
19-M	ay-23 02- 11-May-23, Groun	0 Jun-23 d Beam and 23, STG Fou	I-Jun-23, Column & Wall to + 15 15-Jun-23, Be 16-Jun-23 30-Jun-23 Slab to +6.0mPD	am am 3 25-J
19-M	ay-23 02- 11-May-23, Groun 18-May-	0 Jun-23 d Beam and 23, STG Fou	I-Jun-23, Column & Wall to + 15 15-Jun-23, Be 16-Jun-23 30-Jun-23 Slab to +6.0mPD 26-Jun-23	am am 3 25-J
19-M	ay-23 02- 11-May-23, Groun 18-May-	0 Jun-23 d Beam and 23, STG Fou	I-Jun-23, Column & Wall to + 15 15-Jun-23, Be 16-Jun-23 30-Jun-23 Slab to +6.0mPD 26-Jun-23	am am 3 25-J
19-M	ay-23 02- 11-May-23, Groun 18-May- ay-23 18-May-	0 Jun-23 d Beam and 23, STG Fou 28-May	I-Jun-23, Column & Wall to +15 15-Jun-23, Be 16-Jun-23 30-Jun-23 Slab to +6.0mPD 2 26-Jun-23 Indation construction and install -23, STG Foundation construction	am anc on a anc on a Ma

KENPEL SEGUERS - 2010 NO.	Activity Name	Original Duration	Remaining Duration		Current Finish	Late Start Late Fini		64 emarks Mar	2023 Apr
IWMF Substation BS	Works	120	120	11-Jun-23	08-Oct-23	07-Jun-23 04-Oc	t-23 -4	64	65
12-1490	Fire Service System	120	120	0% 11-Jun-23	08-Oct-23	07-Jun-23 04-Oc	t-23 -4		
Process Equipment	t Installation	227	227	31-Mar-23	12-Nov-23	07-Feb-23 24-Au	g-23 -80		
	aste Bunker & Tipping Hall Bld Process Equipment Installation	0	0		11-Apr-23	12-Apr-23 12-Ap			
	nstallation and Connection Works	0	0		11-Apr-23	12-Apr-23 12-Ap			
Process Building (WW 12-3120(6F)	TP) Delivery of Embeded Piping above +2 to +10mPd (30days)	0	0		11-Apr-23 11-Apr-23	12-Apr-23 12-Ap			
, ,	biler House & Flue Gas Treatment Bld Process Equipment Installation	176	176		22-Sep-23	07-Feb-23 18-Ju			Delivery of Embeded Pipir
A1020	Prefab 1-3 At Final Postion	0	0		30-May-23	20-Ma			
A1030	Prefab 1-4 At Final Postion	0	0	0%	22-Jun-23	08-Ap	r-23 -75		
A1040	Prefab 1-5 At Final Postion	0	0	0%	10-Aug-23	31-Ma	y-23 -71		
A1050	Prefab 1-6 At Final Postion	0	0		02-Sep-23				
Process Building (Insta	llation TPU Module)	164							
	TPU-1 Welding to Base Plate	20	20 20		19-Apr-23 19-Apr-23	29-Jun-23 18-Ju 29-Jun-23 18-Ju		31-Mar-23	19-Apr-23, TPU
TPU Train 2		20			19-Apr-23	29-Jun-23 18-Ju			10 <sup>-</sup> Apr-20, 11 0
13-1125(M63)-2	TPU-2 Welding to Base Plate	20	20		19-Apr-23	29-Jun-23 18-Ju		31-Mar-23	19-Apr-23, TPU
TPU Train 3		44	44		03-Jul-23	02-Mar-23 16-Ju			······································
13-1210	Delivery, inspection and Transport Boiler Train to Position by SPMT (TPU Train 3)	10	10	0% 21-May-23	30-May-23	02-Mar-23 11-Ma	r-23 -80		
13-1215(M63)-1	Removal of Temporary Steel from Prefab from TPU-3	14	14		13-Jun-23	21-Mar-23 03-Ap			
13-1215(M63)-2	TPU-3 Welding to Base Plate	20	20		03-Jul-23	27-Jun-23 16-Ju			
TPU Train 4 13-1300	Delivery, inspection and Transport Boiler Train to Position by SPMT (TPU Train 4)	38	38 10		20-Jul-23 22-Jun-23	25-Mar-23 18-Ju 25-Mar-23 03-Ap			
13-1305 (M63)-1	Removal of Temporary Steel from Prefab TPU-4	8	8		30-Jun-23	09-Apr-23 16-Ap			
13-1305 (M63)-2	TPU-4 Welding to Base Plate	20	20		20-Jul-23	29-Jun-23 18-Ju			
TPU Train 5		24	24	01-Aug-23	24-Aug-23	13-May-23 14-Ju	n-23 -71		
13-1390	Delivery, inspection and Transport Boiler Train to Position by SPMT (TPU Train 5)	10	10	0% 01-Aug-23	10-Aug-23	13-May-23 22-Ma	y-23 -80		
13-1395(M63)-1	Removal of Temporary Steel from Prefab from TPU-5	14	14	0% 11-Aug-23	24-Aug-23	01-Jun-23 14-Ju	1-23 -71		
TPU Train 6		18							
13-1480 13-1485(M63)-1	Delivery, inspection and Transport Boiler Train to Position by SPMT (TPU Train 6) Removal of Temporary Steel from Prefab from TPU-6	10	10	0	02-Sep-23 10-Sep-23	05-Jun-23 14-Ju 20-Jun-23 27-Ju			
, ,	liation of Flue Gas Module)	152	o 152	5/5 55 55k =5	22-Sep-23				
FGC Train 1		7	7		30-Apr-23	07-Feb-23 13-Fe			
13-1570	Delivery, inspection and Transport Flue Gas Train to Position by SPMT (FGC Train 1)	7	7	0% 24-Apr-23	30-Apr-23	07-Feb-23 13-Fe			24-Apr-23
FGC Train 2		7	7	24-Apr-23	30-Apr-23	07-Feb-23 13-Fe	b-23 -76		
13-1640	Delivery, inspection and Transport Flue Gas Train to Position by SPMT (FGC Train 2)	7		· · ·	30-Apr-23	07-Feb-23 13-Fe			24-Apr-23
FGC Train 3		7			12-Jul-23	17-Apr-23 23-Ap			
13-1710 FGC Train 4	Delivery, inspection and Transport Flue Gas Train to Position by SPMT (FGC Train 3)	7	7	0% 06-Jul-23 06-Jul-23	12-Jul-23 12-Jul-23	17-Apr-23 23-Ap 17-Apr-23 23-Ap			
13-1780	Delivery, inspection and Transport Flue Gas Train to Position by SPMT (FGC Train 4)	7	7		12-Jul-23	17-Apr-23 23-Ap			
FGC Train 5		7	7	16-Sep-23	22-Sep-23				
13-1850	Delivery, inspection and Transport Flue Gas Train to Position by SPMT (FGC Train 5)	7	7		22-Sep-23				
FGC Train 6		7	7	16-Sep-23	22-Sep-23	28-Jun-23 04-Ju	-23 -80		
13-1920	Delivery, inspection and Transport Flue Gas Train to Position by SPMT (FGC Train 6)	7			22-Sep-23				
Turbine Hall Bld Equi	•	110	110		12-Nov-23	23-Jun-23 24-Au	-		
Turbine Hall Module 1 In		61	61		24-Sep-23		<u> </u>		
13-2120	STG and TBS Module 1 Installation Install Maintenance Girder & Crane at Module 1 @+22.247mPd	60 30	60 30		24-Sep-23 24-Aug-23		-		
Turbine Hall Module 2 In		61			10-Nov-23	23-Jun-23 22-Au			
13-2170	STG and TBS Module 2 Installation	60	60		10-Nov-23	24-Jun-23 22-Au	-		
13-2210(6)	Install Maintenance Girder & Crane at Module 2@+22.247mPd	30	30	0% 11-Sep-23	10-Oct-23	23-Jun-23 22-Ju	•		
Turbine Hall Module 3 In		61	61	· · · · · · · · · · · · · · · · · · ·		25-Jun-23 24-Au	·		
13-2220	STG and TBS Module 3 Installation	60	60	· ·	12-Nov-23	26-Jun-23 24-Au	-		
13-2260(6)	Install Maintenance Girder & Crane at Module 3 @+22.247mPd	30	30	· · ·	12-Oct-23	25-Jun-23 24-Ju			
	al Road and Drains Works	370	127	· · ·	04-Aug-23				
Drainage Works		100	100	·			· · · · · · · · · · · · · · · · · · ·		
Box Culvert East Culvert (3.5m x 2.4	5m x 118m)	100	100 100		04-Aug-23 04-Aug-23		-		
14-2000	Excavation to Formation	60	60		25-Jun-23	14-May-23 21-At	-		27-Apr-23
14-2010	Construction of Box Culvert (118m, 1.7m/d)	70	70						pi 20
Earthing System		180	60		29-May-23	13-May-23 11-Ju	-		
16-1900-2(6)	Installation of Ground Earthing Mesh	180	60	66.67% 28-Apr-22 A	29-May-23	13-May-23 11-Ju	-23 43		

 3-Month Rolling Programme (March 2023)
 Remaining Work
 Actual Milestone

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 Critical Remaining Work
 Critical Remaining Work

 Milestone
 Milestone

act No. EP/SP/66/12 nt Facilities, Phase 1	環境保護署 Environmental Protaction Department
May	Jun
66	67
	11-Jun-23
	11-Juli-23
d Piping above +2 to +10mPd (30days),	
	Destable 1.0 At Final Destination
	Prefab 1-3 At Final Postion,
	◆ Prefab 1
3, TPU-1 Welding to Base Plate	
3, TPU-2 Welding to Base Plate	
21-May-23	30-May-23, Delivery, inspection and Tra
31-May-2	23 13-Jun-23. Removal
	14-Jun-23
	13-Jun-23 22-Jun-2 23-Jun-23 01-Jul-23
	23-Jun-23
	01-Jul-23
20 Apr 22 Delivery inspection and	Transport Eluc Coo Train to Position by SPM
30-Apr-23, Derivery, inspection and	Transport Flue Gas Train to Position by SPM
30-Apr-23. Delivery, inspection and	Transport Flue Gas Train to Position by SPM
	-06-
	06-5
	25.
27-May-23	25-
27-May-23	25-
27-May-23	25-J
27-May-23	

# Appendix B Summary of Implementation Status of Environmental Mitigation

#### Appendix B

Table B.1	Implementation Schedule for Air Quality Measures for the IWMF at the artificial island near SKC
	in piene and a set of the set of the set of a se

		Environmental Protection Location / Implementation				tages*	Relevant	Implementation	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Status and Remarks
S3b.8.1	<ul> <li><u>Air Pollution Control (Construction Dust)</u> <u>Regulation &amp; Good Site Practices</u></li> <li>Use of regular watering, with complete coverage, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather.</li> <li>Use of frequent watering for particularly dusty construction areas and areas close to ASRs.</li> <li>Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines.</li> <li>Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.</li> <li>Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.</li> <li>Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.</li> <li>Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading</li> </ul>	Work site / During the construction period	Contractor					Air Pollution Control (Construction Dust) Regulation	Implemented N/A for dust control measures for transportation outside site boundary

				Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	<ul> <li>points, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods.</li> <li>Imposition of speed controls for vehicles on unpaved site roads. Ten kilometers per hour is the recommended limit.</li> <li>Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs</li> <li>Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise.</li> </ul>								
S3b.6.3	<ul> <li>Odour Removal by Deodorizers</li> <li>Deodorizers with 95% odour removal efficiency would be installed for the air ventilated from the mechanical treatment plant before discharge to the atmosphere</li> </ul>	Waste reception halls, the waste storage area, the mechanical treatment plant / During design & operation phase	IWMF Operator	~		✓		EIAO-TM	N/A
S3b.8.2	Air Pollution Control and Stack Monitoring	IWMF stack emissions / During	IWMF Operator	~		~		EIAO-TM, Supporting Document for	N/A

	Environmental Protection			Imple	ementa	tion S	tages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Status and Remarks
	<ul> <li>Air pollution control and stack monitoring system will be installed for the IWMF to ensure that the emissions from the IWMF stack will meet the proposed target emission limits.</li> <li>Voluntary Enhancement Measures in Flue Gas Cleaning and Emission Monitoring: <ol> <li>Two-stage bag filter system with reagent recirculation;</li> <li>In addition to SCR, provide SNCR for removal of NO<sub>x</sub>; tighten emission limit for halfhourly and daily NO<sub>x</sub> to 160 mg/m<sup>3</sup> and 80 mg/m<sub>3</sub> respectively;</li> <li>Well-mixed feed waste: to minimize the fluctuation of pollutant loading on the flue gas treatment system;</li> <li>Two more AQMSs would be set up at South Lantau and Shek Kwu Chau respectively;</li> </ol> </li> </ul>	design & operation phase	Agent						Remarks
	any of the air pollutant has exceeded 95% of the emission concentration limit as stipulated								
	in the Special Process license; and								

	Environmental Protection		Implementation Agent	Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing		Des	С	ο	Dec	Legislation and Guidelines	
	<ol> <li>Each incineration chamber shall be fitted with auxiliary burners to ensure complete burn out of the combustion gases.</li> </ol>								
-	<ul> <li>Treated Fly Ash and Air Pollution Control Residues:</li> <li>During testing and commissioning, the Contractor shall sample and test every container of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and leachability criteria shown in Table 2 of the Environmental Permit. If a test result confirms that any one of the samples does not conform to the limits and the criteria, the Contractor shall be required to sample and test every container of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and test every container of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and leachability criteria for the next six months.</li> <li>During the first six months of operation, if the requirements in (a) could be fully conformed with, the Contractor shall sample and test every shipload of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and leachability criteria for the next six months.</li> </ul>	IWMF stack emissions / During design & operation phase	IWMF Operator					Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012)	N/A

				Imple	ementa	ation S	Stages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Status and Remarks
	of the Environmental Permit. The								
	Contractor shall take two samples								
	from each shipload for testing and								
	the Contractor shall not dispose of								
	any of that shipload of treated fly ash								
	and air pollution control residues until								
	the test results confirm that the two								
	samples conform to the limits and the								
	criteria. If a test result confirms that								
	any one of the two samples does not								
	conform to the limits and the criteria,								
	the Contractor shall be required to								
	sample and test every shipload of								
	treated fly ash and air pollution								
	control residues for conformance to								
	the Incineration Residue Pollution								
	Control Limits and leachability								
	criteria for the next six months. The								
	Contractor shall make due allowance								
	in the Design and the Operation for								
	the time to sample and test treated fly								
	ash and air pollution control residues								
	before disposal.								
	Provided that there is no non-								
	conformance to the Incineration								
	Residue Pollution Control Limits and								
	leachability criteria shown in Table 2								
	of the Environmental Permit								
	throughout a continuous sixmonth								
	period in the Operation Period, the								
	testing frequency shall be reduced to								
	monthly interval. Two samples from								
	one shipload of treated fly ash and air								

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	pollution control residues shall be collected and tested for conformance to the Incineration Residue Pollution Control Limits and leachability criteria. The Contractor shall not dispose of any of the treated fly ash and air pollution control residues in the shipload which the samples are taken until the test results confirm that the samples conform to the limits and the criteria. If the test result confirm that any one of the samples does not conform to the limits and the criteria, the Contractor shall be required to sample and test every shipload of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and leachability criteria shown in Table 2 of the Environmental Permit for the next six months.								
-	<ul> <li>Bottom Ash:</li> <li>During testing and commissioning, the Contractor shall sample and test every container of bottom ash for conformance to the leachability criteria shown in Table 2 of the Environmental Permit. If a test result confirms that any one of the samples does not conform to the criteria, the Contractor shall be required to sample and test every</li> </ul>	IWMF stack emissions / During design & operation phase	IWMF Operator	~		~		Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012)	N/A

				Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	container of bottom ash for								
	conformance to the leachability								
	criteria for the next six months.								
	• During the first six months of								
	operation, if the requirements in (d)								
	could be fully conformed with, the								
	Contractor shall sample and test								
	one shipload of bottom ash each month for conformance to the								
	leachability criteria shown in Table 2								
	of the Environmental Permit. The								
	Contractor shall take two samples								
	from the shipload for testing and the								
	Contractor shall not dispose of any								
	of that shipload of bottom ash until								
	the test results confirm that the two								
	samples conform to the criteria. If a								
	test result confirms that any one of								
	the two samples does not conform								
	to the criteria, the Contractor shall								
	be required to sample and test each								
	shipload of bottom ash for								
	conformance to the leachability criteria for the next six months. The								
	Contractor shall make due								
	allowance in the Design and the								
	Operation for the time to sample and								
	test bottom ash before disposal.								
	<ul> <li>Provided that there is no non-</li> </ul>								
	conformance to the leachability								
	criteria shown in Table 2 of the								
	Environmental Permit throughout a								
	continuous six month period in the								

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	Operation Period, the Contractor shall be allowed to take two samples from any one shipload of bottom ash once every six months for conformance to the leachability criteria. The Contractor shall not dispose of any of the bottom ash in the shipload which the samples are taken until the test results confirm that the samples conform to the criteria. If the test result confirm that any one of the samples does not conform to the criteria, the Contractor shall be required to sample and test one shipload of bottom ash each month for conformance to the leachability criteria shown in Table 2 of the Environmental Permit for the next six months as stipulated above.								

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

#### Table B.2 Implementation Schedule for Noise Impact Measures for the IWMF at the artificial island near SKC

	Environmental Protection Measures / Mitigation Measures				Imple	ementa	ation S	tages*	Relevant	
EIA Ref		Location / Timing	Implementation Agent		Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
S4b.8	Good site practices to limit noise emissions a source and use of quiet plant and working methods, whenever practicable.	Work Sites / Construction Period	EPD and contractors	its		~			EIAO-TM	Implemented
& S4b.8	All the ventilation fans installed in the below will be provided with silencers or acoustics treatment. (i) Stack of the incinerator (ii) Ventilation systems within the IWMF Enclosure and discharge silencer or other acoustic treatment equipment should be installed in the air-cooled chillers Other than provision of silencer or other acoustic treatment equipment for the stack of the incinerator and ventilation system, the detailed design should incorporate the following good practice in order to minimize the nuisance on the neighboring NSRs. (i) The exhaust of the ventilation system and any opening of the building should be located facing away from any NSRs; and	Within IWMF area / Construction Period	EPD and contractors	its	×		×		EIAO-TM	N/A
	<ul> <li>Louver or other acoustic treatment equipment could also be applied to the exhaust of the ventilation system.</li> </ul>									

Keppel Seghers – Zhen Hua Joint Venture

	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant	
EIA Ref				Des	С	ο	Dec	Legislation and Guidelines	Implementation Status and Remarks
-	<ul> <li><u>Voluntary Enhancement Measure</u></li> <li>Provision of air-conditioner and double glazed windows to nearby NSR at Shek Kwu Chau (i.e. SARDA) as precautionary measures.</li> </ul>	IWMF site	Design team, contractor, IWMF operator	✓	~			Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012)	Implemented

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

#### Table B.3 Implementation Schedule for Water Quality Measures for the Artificial Island near SKC

	Environmental Bratastics	Location / Timing		Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks	
EIA Ref	Environmental Protection Measures / Mitigation Measures		Implementation Agent	Des	С	0	Dec	Legislation and Guidelines		
S5b.8.1.1		Work site / During the construction period	Contractor					Guidelines EIAO-TM; ProPECC PN 1/94; WPCO	Deficiency of Mitigation Measures but rectified by the Contractor	

	Environmental Protection Measures / Mitigation Measures			Imple	ement	ation S	stages*	Relevant	Implementation Status and Remarks
EIA Ref		Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/sand traps should be 5 minutes under maximum flow conditions. The detailed design of the sand/silt traps shall be undertaken by the contractor prior to the commencement of construction.								
	<ul> <li>Water pumped out from foundation piles must be discharged into silt removal facilities.</li> </ul>								
	<ul> <li>Measures should be taken to minimize the ingress of site runoff and drainage into excavations. Drainage water pumped out from excavations should be discharged into storm drains via silt removal facilities.</li> </ul>								
	<ul> <li>During rainstorms, exposed slope/soil surfaces should be covered by a tarpaulin or other means, as far as practicable. Other measures that need to be implemented before, during and after rainstorms are summarized in ProPECC PN 1/94.</li> </ul>								
	<ul> <li>Exposed soil areas should be minimized to reduce potential for increased siltation and contamination of runoff.</li> </ul>								

	Environmental Protection			Impl	ementa	tion S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	Ο	Dec	Legislation and Guidelines	
	<ul> <li>Earthwork final surfaces should be well compacted and subsequent permanent work or surface protection should be immediately performed.</li> <li>Open stockpiles of construction</li> </ul>								
	materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms.								
S5b.8.1.2	General Construction Activities Construction solid waste should be collected, handled and disposed of properly to avoid entering to the nearby watercourses and public drainage system. Rubbish and litter from construction sites should also be collected to prevent spreading of rubbish and litter from the site area.	Work site / During the construction period	Contractor					EIAO-TM; ProPECC PN 1/94; WPCO	Implemented
	It is recommended to clean the construction sites on a regular basis.								

				Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
S5b.8.1.3	There is a need to apply to EPD for a discharge license for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge license. All the run-off and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS. The beneficial uses of the treated effluent for other on-site activities such as dust suppression and general cleaning etc., can minimize water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the relevant WPCO license which is under the ambit of regional office of EPD.	During the construction	Contractor		×			EIAO-TM; ProPECC PN 1/94; WPCO	Implemented Discharge License was issued on 15/02/2022
S5b.8.1.4	Accidental Spillage Contractor must register as a chemical waste producer if chemical wastes would be produced from construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	Work site / During the construction period	Contractor		~			EIAO-TM; ProPECC PN 1/94; WPCO; WDO	Deficiency of Mitigation Measures but rectified by the Contractor
S5b.8.1.5		During the construction	Contractor		~			EIAO-TM; ProPECC PN 1/94; WPCO; WDO	Implemented

				Impl	ementa	ation St	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	appropriately equipped to control these discharges.								
S5b.8.1.6	Oils and fuels should only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas should be sited on sealed areas in order to prevent spillage of fuels and solvents to the nearby watercourses. All waste oils and fuels should be collected in designated tanks prior to disposal.	During the construction	Contractor		✓				Deficiency of Mitigation Measures but rectified by the Contractor
S5b.8.1.7	· · · · · · · · · · · · · · · · · · ·		Contractor						Deficiency of Mitigation Measures but rectified by the Contractor
	<ul> <li>Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport.</li> <li>Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents.</li> <li>Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.</li> </ul>								

	Environmental Protection Measures / Mitigation Measures			Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref		Location / Timing	Implementation Agent	Des	С	Ο	Dec	Legislation and Guidelines	
S5b.8.1.8	Sewage Effluent Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor would be responsible. For appropriate disposal and maintenance of these facilities.	Work site / During the construction period	Contractor		~			EIAO-TM; ProPECC PN 1/94; WPCO	Implemented
S5b.8.1.9			Contractor					EIAO-TM; WPCO, Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012) Further Environmental Permit No. FEP- 01/429/2012/A	N/A

				Imple	emen	tation S	stages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	of the North Western seawall, away from the identified coral communities and will be shielded by silt curtains systems to control sediment plume dispersion.								
	• The silt curtain system at marine access opening should be closed as soon as the barges passes through the marine access opening in order to minimize the period of curtain opening. Filling should only be carried out behind the silt curtain when the silt curtain is completely closed.								
	• To enhance the effectiveness of the silt curtain at the marine access, the northern breakwater would be built before the commencement of the reclamation to reduce the current velocity towards the marine access opening.								
	• The silt curtain system at marine access opening should be regularly checked and maintained to ensure proper functioning.								
	• Where public fill is proposed for filling below +2.5mPD, the fine content in the public fill will be controlled to 25% which is in line with the CEDD's General Specification;								
	• The filling for reclamation should be carried out behind the seawall. The filling material should only consist of public fill, rock and sand. The filling composition and filling rates at each filling area should follow those delineated in Table 1 of the FEP-01/429/2012/. The filling above high watermark is not restricted;								

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	<ul> <li>No dredging should be carried out within 16m to the nearest non-translocatable coral community;</li> </ul>								
	• Daily site audit including full-time on-site monitoring by the ET is recommended during the dredging for anti-scouring protection layer for checking the compliance with the permitted no. of grab;								
	<ul> <li>Closed grab dredger should be used to minimize the loss of sediment during the raising of the loaded grabs through the water column;</li> </ul>								
	<ul> <li>Frame-type silt curtains should be deployed around the dredging operations;</li> </ul>								
	<ul> <li>Floating-type silt curtains should be used to surround the circular cell during the sheetpiling work;</li> </ul>								
	<ul> <li>The descent speed of grabs should be controlled to minimize the seabed impact speed;</li> </ul>								
	<ul> <li>Barges should be loaded carefully to avoid splashing of material;</li> </ul>								
	<ul> <li>All barges used for the transport of dredged materials should be fitted with tight bottom seals in order to prevent leakage of material during loading and transport;</li> </ul>								
	<ul> <li>All barges should 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</li> </ul>								

				Imple	ementa	tion S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	maintained to ensure that the decks are not washed by wave action.								
	• No DCM works should be carried out within 100m to the nearest non-translocatable coral colony / colonies.								
	• Silt curtains should be employed to enclose DCM field trial and any full scale DCM work to minimize the potential impacts on water aspect.								
	<ul> <li>A sand blanket is to be placed on top of the marine deposit using tremie pipes prior to the DCM ground treatment to avoid seabed sediment disturbance.</li> </ul>								
S5b.8.2.3	<u>Operational Phase Discharges</u> A pipeline drainage system will serve the development area collecting surface runoff from paved areas, roof, etc. Sustainable drainage principle would be adopted in the drainage system design to minimize peak surface runoff, maximize permeable surface and maximize beneficial use of rainwater.	Within IWMF site / During the operational phase	IWMF Operator	✓ 		~		WPCO	N/A
S5b.8.2.4	Oil interceptors should be provided in the drainage system of any potentially contaminated areas (such as truck parking area and maintenance workshop) and regularly cleaned to prevent the release of oil products into the storm water drainage system in case of accidental spillages. Accidental spillage should be cleaned up as soon as practicable and all waste oils and fuels should be collected and handled in	Within IWMF site / During the operational phase	IWMF Operator	~		✓		WPCO; WDO	N/A

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	Ο	Dec	Legislation and Guidelines	
	compliance with the Waste Disposal Ordinance.								
S5b.8.2.5	Refuse Entrapment Collection and removal of floating refuse should be performed at regular intervals for keeping the water within the Project site boundary and the neighboring water free from rubbish.	Within the Project site / During the operational phase	IWMF Operator			~		WPCO	N/A
S5b.8.2.6		Transportat ion of Incineration Ash / During the operational phase	IWMF Operator			V			N/A

\* Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

#### Table B.4 Implementation Schedule for Waste Management Measures for the IWMF at the artificial island near SKC

	Environmental Protection						tages*		Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
6b.5.1.2	<ul> <li><u>Good Site Practices</u></li> <li>Adverse environmental impacts in relation to waste management are not expected, provided that good site practices are strictly followed. Recommendations for good site practices during the construction activities would include:</li> <li>Obtain relevant waste disposal permits from appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354) and subsidiary Regulations and the Land (Miscellaneous Provisions) Ordinance (Cap. 28);</li> <li>Provide staff training for proper waste management and chemical handling procedures;</li> <li>Provide sufficient waste disposal points and regular waste collection;</li> <li>Provide appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and</li> <li>Carry out regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;</li> <li>Separate chemical wastes for special handling and disposed of to licensed facility for treatment; and</li> <li>Employ licensed waste collector to collect waste.</li> </ul>	Work Site/ During Construction Period	Contractor					ETWB TCW	Deficiency of Mitigation Measures but rectified by the Contractor

				Imp	lementa	tion S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
6b.5.1.3	<ul> <li><u>Waste Reduction Measures</u></li> <li>Good management and control can prevent the generation of a significant amount of waste. Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices.</li> <li>Recommendations to achieve waste reduction include:</li> <li>Design foundation works that could minimize the amount of excavated material to be generated.</li> <li>Provide training to workers on the importance of site cleanliness and</li> </ul>	Work Site/ During Design & Construction Period	Contractor	✓	×			Guidelines	Implemented. N/A for demolition items
	<ul> <li>appropriate waste management procedures, including waste reduction, reuse and recycling;</li> <li>Sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.);</li> <li>Segregate and store different types of waste in different containers, skips or</li> </ul>								
	<ul> <li>stockpiles to enhance reuse or recycling of materials and their proper disposal;</li> <li>Encourage the collection of aluminum cans by providing separate labelled bins to enable this waste to be segregated from other general refuse generated by the work force;</li> </ul>								
	<ul> <li>Proper storage and site practices to minimize the potential for damage or contamination of construction materials; and</li> </ul>								

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				Imp	olement	ation St	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	) Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	<ul> <li>Plan and stock construction materials carefully to minimize amount of waste to be generated and to avoid unnecessary generation of waste.</li> </ul>								
6b.5.1.7	Dredged Sediment – Application of Dumping Permit The project proponent should agree in advance with MFC of CEDD on the site allocation. The project proponent or contractor for the dredging works shall then apply for the site allocations of marine sediment disposal based on the prior agreement with MFC/CEDD. The project proponent or contractor should also be responsible for the application of all necessary permits from relevant authorities, including the dumping permit as required under DASO from EPD, for the disposal of dredged sediment prior to the commencement of the dredging works.	Seawall and Reclamation site / Construction Period	EPD and its contractor	5 🗸	×			DASO ETWB TCW 34/2002	Implemented
6b.5.1.8	Dredged Sediment – Sediment Quality Report The project proponent or contractor will need to satisfy the appropriate authorities that the quality of the marine sediment to be dredged has been identified according to the requirements of ETWB TCW 34/2002. This should be completed well before the dredging works and would include at least the submission of a formal Sediment Quality Report under Tier I of ETWB TCW No. 34/2002 to DEP for approval. Subject to advice from DEP, it is possible that further marine SI in	Seawall and Reclamation site / Construction Period	EPD and its contractor	5 ✓				DASO ETWB TCW 34/2002	Implemented

				Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	accordance with ETWB TCW 34/2002 might be necessary for the application of dumping permit under DASO. In such case, a sediment sampling and testing proposal shall be submitted to and approved by DEP before the additional marine SI works.								
6b.5.1.9	Dredged Sediment – Sediment <u>Transportation</u> The barge transporting the sediments to the designated disposal sites should be equipped with tight fitting seals to prevent leakage and should not be filled to a level that would cause overflow of materials or laden water during loading or transportation. In addition, monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the DEP.	Seawall and Reclamation site / Construction Period	EPD and its contractor		✓			DASO ETWB TCW 34/2002	Implemented
6b.5.1.10		Work Site/ During Design & Construction Period	Contractor	×	*			ETWB TCW No. 19/2005	Implemented

				Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	(EMP), should be prepared in accordance with ETWB TCW No.19/2005;								
	<ul> <li>A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be adopted for easy tracking; and</li> </ul>								
	• In order to monitor the disposal of C&D materials at public filling facilities and landfills and to control fly-tipping, a trip- ticket system should be adopted (refer to <i>ETWB TCW No. 31/2004</i> ).								
6b.5.1.1 1 - 6b.5.1.12	The Contactor should prepare and implement an EMP in accordance with	During Design &	Contractor	×	*			ETWB TCW No. 19/2005	Implemented

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				Imple	menta	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	All surplus C&D materials arising from or in connection with construction works should become the property of the Contractor when it is removed unless otherwise stated. The Contractor would be responsible for devising a system to work for on-site sorting of C&D materials and promptly removing all sorted and process materials arising from the construction activities to minimize temporary stockpiling on-site. The system should be included in the EMP identifying the source of generation, estimated quantity, arrangement for on-site sorting, collection, temporary storage areas and frequency of collection by recycling Contractors or frequency of removal off-site.								
6b.5.1.13		Work Site/ During Construction Period	Contractor		V			Waste Disposal (Chemical Waste) (General) Regulation	Implemented.

				Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	licensed collector to transport and dispose of the chemical wastes, to either the Chemical Waste Treatment Centre at Tsing Yi, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.								
6b.5.1.14		Work Site/ During Construction Period	Contractor		×			and Municipal	Deficiency of Mitigation Measures but rectified by the Contractor
6b.5.1.1 6 – 6b.5.1.33	Biogas Generation The Contractor shall review the data and analysis results, and the data from further Site Investigation, if any. Subject to the review findings, the following gas protection measures may be considered if necessary: - gas monitoring after reclamation; - passive ventilation; - gas impermeable membrane; - ventilation with "at risk" rooms; - protection of utilities or below ground services;	Reclamation site (if dredging at the reclamation site is not required) / Design & Construction Period	Designer and/or contractor	✓	×			EPD/TR8/97	N/A

				Impleme	ntation	Stages*	Relevant
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des C	0	Dec	Legislation Implementation Status and and Remarks Guidelines
6b.5.2.1	Measures         - precautions during construction works;         - precautions prior to entry of belowground services         Good Site Practices         It is recommended that the following good operational practices should be adopted to minimise waste management impacts:         • Obtain the necessary waste disposal permits from the appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354) and Waste Disposal (Chemical Waste) (General) Regulation;         • Nomination of an approved person to be responsible for good site practice,	IWMF Site/During Operation Period	IWMF Operator		· · · · · · · · · · · · · · · · · · ·		
	<ul> <li>arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site;</li> <li>Use of a waste haulier licensed to collect specific category of waste;</li> <li>A trip-ticket system should be included as one of the contractual requirements and implemented by the Environmental Team to monitor the disposal of solid wastes at landfills, and to control fly tipping. Reference should be made to ETWB TCW No. 31/2004.</li> </ul>						

				Imple	menta	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	<ul> <li>Training of site personnel in proper waste management and chemical waste handling procedures;</li> <li>Separation of chemical wastes for special handling and appropriate treatment at a licensed facility;</li> <li>Routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors;</li> <li>Provision of sufficient waste disposal points and regular collection for disposal;</li> <li>Adoption of appropriate measures to minimize windblown litter and dust during transportation of waste, such as covering trucks or transporting wastes in enclosed containers; and</li> <li>Implementation of a recording system for the amount of wastes generated, and disposed of (including recycled the disposal sites).</li> </ul>								
6b.5.2.2	<ul> <li>Waste Reduction Measures</li> <li>Good management and control can prevent the generation of significant amounts of waste. It is recommended that the following good operational practices should be adopted to ensure waste reduction:</li> <li>Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;</li> </ul>	IWMF Site/ During Operation Period	IWMF Operator			V			Implemented

				Imple	ementa	ation Sta	ages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	Implementation Status and Remarks
	<ul> <li>Encourage collection of aluminum cans, plastic bottles and packaging material (e.g. carton boxes) and office paper by individual collectors. Separate labelled bins should be provided to help segregate this waste from other general refuse generated by the work force; and</li> <li>Any unused chemicals or those with remaining functional capacity should be reused as far as practicable.</li> </ul>								
6b.5.2.3	Storage, Handling, Treatment, Collection and Disposal of Incineration By-Products The following measures are recommended for the storage, handling and collection of the incineration by- products:	IWMF Site/ During Operation Period	IWMF Operator			v		Incineration Residue Pollution Control Limits	N/A
	<ul> <li>Ash should be stored in storage silos;</li> <li>Ash should be handled and conveyed in closed systems fully segregated from the ambient environment;</li> </ul>								
	<ul> <li>Ash should be wetted with water to control fugitive dust, where necessary;</li> </ul>								
	<ul> <li>All fly ash and APC residues should be treated, e.g. by cement solidification or chemical stabilization, for compliance with the proposed Incineration Residue Pollution Control Limits and leachability criteria prior to disposal;</li> </ul>								

				Impl	ementa	ation S	stages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	Ο	Dec	Legislation and Guidelines	Implementation Status and Remarks
	The ash should be transported in covered trucks or containers to the designated landfill site.								
	The Contractor should provide EPD with chemical analysis results of the bottom ash, and treated fly ash and APC residues to confirm that the ash/residue can comply with the proposed Incineration Residue Pollution Control Limits before disposal.								
6b.6.3.1	<ul> <li>Fuel Oil Tank Construction and Test</li> <li>The fuel tank to be installed should be of specified durability.</li> <li>Double skin tanks are preferred.</li> <li>Underground fuel storage tank should be placed within a concrete pit.</li> <li>The concrete pit shall be accessible to allow regular tank integrity tests to be carried out at regular intervals.</li> <li>Tank integrity tests should be conducted by an independent qualified surveyor or structural engineer.</li> <li>Any potential problems identified in the test should be rectified as soon as possible.</li> </ul>	Fuel Oil Storage Tank/ During Design, Construction and Operation Periods	IWMF Contractor		✓	<b>~</b>			N/A

				Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
6b.6.3.1	<ul> <li>Fuel Oil Pipeline Construction and Test</li> <li>Installation of aboveground fuel oil pipelines is preferable; if underground pipelines are unavoidable, concrete lined trenches should be constructed to contain the pipelines.</li> <li>Double skin pipelines are preferred.</li> <li>Distance between the fuel oil refuelling points and the fuel oil storage tank shall be minimized.</li> <li>Integrity tests for the pipelines should be conducted by an independent qualified surveyor or structural engineer at regular intervals.</li> <li>Any potential problems identified in the test should be rectified as soon as possible.</li> </ul>	Fuel Oil Pipelines/ During Design, Construction and Operation Periods	IWMF Contractor		~	×			N/A
6b.6.3.1	<ul> <li>Fuel Oil Leakage Detection</li> <li>Installation of leak detection device at storage tank and pipelines.</li> <li>Installation and use of pressure gauges (e.g. at the two ends of a filling line) in fuel filling, which allows unexpected pressure drop or difference and sign of leakage to be detected.</li> </ul>	Fuel Oil Storage Tank and Pipelines/ During Design, Construction and Operation Periods	IWMF Contractor	~	~	✓			N/A
6b.6.3.1	Fuel Oil Storage Tank Refuelling	Fuel Oil Refuelling Point/	IWMF Operator			~			N/A

	Environmental Protection			Impl	ementa	ation S	tages*		Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	• Storage tank refuelling (from road tanker) should only be conducted by authorized staff of the oil company using the company's standard procedures.	During Operation Period							
6b.6.3.1	Fuel Oil Spillage Response An Oil Spill Response Plan should be prepared by the operator to document the appropriate response procedures for oil spillage incidents in detail. General procedures to be taken in case of fuel oil spillage are presented below.	IWMF Site/ During Operation Period	IWMF Operator			✓			N/A
	Training								
	<ul> <li>Training on oil spill response actions should be given to relevant staff. The training shall cover the followings:</li> </ul>								
	<ul> <li>Tools &amp; resources to combat oil spillage and fire, e.g. locations of oil spill handling equipment and fire fighting equipment;</li> <li>General methods to deal with oil spillage and fire incidents;</li> <li>Procedures for emergency drills in the event of oil spills and fire; and</li> <li>Regular drills shall be carried out.</li> </ul>								
	Communication								
	-Establish communication channel with the Fire Services Department (FSD) and EPD to report any oil spillage incident								

				Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	so that necessary assistance from relevant department can be quickly sought.								
	Response Procedures								
	-Any fuel oil spillage within the IWMF site should be immediately reported to the Plant Manager with necessary details including location, source, possible cause and extent of the spillage.								
	<ul> <li>Plant Manager should immediately attend to the spillage and initiate any appropriate action to confine and clean up the spillage. The response procedures shall include the following:</li> <li>Identify and isolate the source of spillage as soon as possible.</li> <li>Contain the oil spillage and avoid infiltration into soil/ groundwater and discharge to storm water channels.</li> <li>Remove the oil spillage.</li> </ul>								
	➤Clean up the contaminated area.								
	<ul> <li>If the oil spillage occurs during storage tank refuelling, the refueling operation should immediately be stopped.</li> <li>Recovered contaminated fuel oil</li> </ul>								
	and the associated material to remove the spilled oil should be considered as chemical waste. The handling and disposal								

	Environmental Protoction			Impl	ementa	ation S	Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	procedures for chemical wastes are discussed in the following paragraphs.								
6b.6.3.2	<ul> <li><u>Chemicals and Chemical Wastes Handling &amp; Storage</u></li> <li>Chemicals and chemical wastes should only be stored in suitable containers in purpose-built areas.</li> <li>The storage of chemical wastes should comply with the requirements of the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.</li> <li>The storage areas for chemicals and chemical wastes shall have an impermeable floor or surface. The impermeable floor/ surface shall possess the following properties:         <ul> <li>Not liable to chemically react with the materials and their containers to be stored.</li> <li>Able to withstand normal loading and physical damage caused by container handling</li> <li>The integrity and condition of the impermeable floor or surface at regular intervals to ensure that it is satisfactorily maintained</li> </ul> </li> </ul>	Chemicals and Chemical Wastes Storage Area / During Operation Period	IWMF Operator						N/A
	For liquid chemicals and chemical wastes storage, the								

	Environmental Protection			Imple	ementa	tion S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation Imp and Guidelines	
	storage area should be bunded to contain at least 110% of the storage capacity of the largest containers or 20% of the total quantity of the chemicals/chemical wastes stored, whichever is the greater.								
	Storage containers shall be checked at regular intervals for their structural integrity and to ensure that the caps or fill points are tightly closed.								
	<ul> <li>Chemical handling shall be conducted by trained workers under supervision.</li> </ul>								
6b.6.3.2	Chemicals and Chemical Wastes Spillage ResponseA Chemicals and/ or Chemical Wastes Spillage Response Plan shall be prepared by the operator to document in detail the appropriate response procedures for chemicals or chemical wastes spillage incidents. General procedures to be undertaken in case of chemicals/ chemical waste spillages are presented below.• Training	IWMF Site/ During Operation Period	IWMF Operator			✓		N/A	
	<ul> <li>Training on spill response actions should be given to relevant staff. The training shall cover the followings:</li> </ul>								

				Impl	ementa	ation Stag	es*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	O D	ec	Legislation and Guidelines	
	Tools & resources to handle spillage, e.g. locations of spill handling equipment;								
	General methods to deal with spillage; and								
	Procedures for emergency drills in the event of spills.								
	Communication								
	<ul> <li>Establish communication channel with FSD and EPD to report the spillage incident so that necessary assistance from relevant department can be quickly sought.</li> </ul>								
	Response Procedures								
	<ul> <li>Any spillage within the IWMF site should be reported to the Plant Manager.</li> </ul>								
	<ul> <li>Plant Manager shall attend to the spillage and initiate any appropriate actions needed to confine and clean up the spillage. The response procedures shall include the followings:</li> </ul>								
	Identify and isolate the source of spillage as soon as possible;								
	Contain the spillage and avoid infiltration into soil/								

	Environmentel Protection			Imple	menta	ation S	tages*	Relevant	
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	groundwater and discharge to storm water channels (in case the spillage occurs at locations out of the designated storage areas);								
	Remove the spillage; the removal method/ procedures documented in the Material Safety Data Sheet (MSDS) of the chemicals spilled should be observed;								
	<ul> <li>Clean up the contaminated area (in case the spillage occurs at locations out of the designated storage areas); and</li> </ul>								
	The waste arising from the cleanup operation should be considered as chemical wastes.								
6b.6.3.3	<ul> <li>Preventive Measures for Incineration By- products Handling</li> <li>The recommended measures listed below can minimize the potential contamination to the surrounding environment due to the incineration by-products: <ul> <li>Ash should be stored in storage silos;</li> <li>Ash should be handled and conveyed in closed systems fully segregated</li> </ul> </li> </ul>	Storage, Handling & Collection of Incineration Ash at IWMF/ During Operation Period	IWMF Operator			V		1	J/A

			Imple	menta	ation S	tages*	Relevant		
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	from the ambient environment;								
	<ul> <li>Ash should be wetted with water to control fugitive dust, where necessary;</li> </ul>								
	<ul> <li>All fly ash and APC residues should be treated, e.g. by cement solidification or chemical stabilization, for compliance with the proposed Incineration Residue Pollution Control Limits and leachability criteria prior to disposal;</li> </ul>								
	• The ash should be transported in covered trucks or containers to the designated landfill site.								
6b.6.3.4 -6b.6.3.6	Incident Record After any spillage, an incident report should be prepared by the Plant Manager. The incident report should contain details of the incident including the cause of the incident, the material spilled and estimated spillage amount, and also the response actions undertaken. The incident record should be kept carefully and able to be retrieved when necessary. The incident report should provide sufficient details for the evaluation of any environmental impacts due to the spillage and assessment of the effectiveness of measures taken.	IWMF Site/ During Operation Period	IWMF Operator			✓		Guidance Manual for Use of Risk-based Remediation Goals for Contaminated Land Management and the Guidance Note for Contaminated Land and Remediation.	N/A

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				Imple	ementa	ation S	stages*	Relevant	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	In case any spillage or accidents results in significant land contamination, EPD should be informed immediately and the IWMF operator should be responsible for the cleanup of the affected area. The responses procedures described in <b>Section 6b.6.3.1</b> and <b>Section 6b.6.3.2</b> of EIA report should be followed accordingly together with the land contamination assessment and remediation guidelines stipulated in the <i>Guidance Manual for Use</i> of <i>Risk-based Remediation Goals for</i> <i>Contaminated Land Management and the</i> <i>Guidance Note for Contaminated Land and</i> <i>Remediation.</i>								

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
7b.8.2.1	<ul> <li>Measures to avoid direct loss of intertidal habitat</li> <li>The site boundary has been proposed to avoid direct contact with the intertidal natural rocky shore of Shek Kwu Chau. It avoids direct loss of intertidal communities and the existing natural rocky shore habitat, where Reef Egret and White-bellied Sea Eagle have been recorded within and in the vicinity of this habitat.</li> </ul>	IWMF site	Design team					EIAO-TM	N/A
7b.8.2.2	<ul> <li>Measures to minimise loss of coastal subtidal habitat</li> <li>Extensive coral colonies were recorded at the coastal hard bottom habitat at Shek Kwu Chau. To avoid and minimise the extensive direct impact on the coral colonies, the proposed reclamation area has been moved further offshore to minimise loss of subtial habitat near shore.</li> </ul>	IWMF site	Design team	×				EIAO-TM	N/A
7b.8.2.3	<ul> <li>Zero Discharge Scheme</li> <li>The design scheme of the Project has avoided discharge of wastewater into the marine environment. A zero discharge scheme would be adopted during the operation of the Project. An on-site wastewater treatment plant would be</li> </ul>	IWMF site	Design team, IWMF operator	×		~		WPCO	N/A

### Table B.5 Implementation Schedule for Ecological Quality Measures for the IWMF at the artificial island near SKC

Integrated Waste Management Facilities, Phase 1

	Environmental Protection				Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	-	Implementation Des Agent		С	ο	Dec	Legislation and Guidelines	Implementation Status and Remarks
	provided to treat the wastewater generated from the IWMF (mainly human sewage). The treated effluent would be re-used in the incineration plant and mechanical treatment plant, or for onsite washdown and landscape.									
7b.8.2.4	<ul> <li>Measures to avoid loss of plant species of conservation importance</li> <li>Landing portal construction works would not cause direct lost to the recorded individual of protected plant species,</li> <li>Aquilaria sinensis, at the coastal shrubland habitat at Cheung Sha. As a precautionary measure, the plant should be tagged with eye- catching tape and fenced off prior to works, in order to avoid any damage by workers.</li> </ul>	Cheung Sha Ianding portal	Design Contractor	team,	✓	~		✓	EIAO-TM	N/A
7b.8.3.1 - 7b.8.3.1 5	<ul> <li>Measures to minimise water quality impact</li> <li>Measures for water quality as recommended in Section 5b of the EIA Report should be implemented.</li> </ul>	Work site	Design contractor, operator	team, IWMF	~	~	~	~	EIAO-TM; ProPECC PN 1/94; WPCO	Implemented
7b.8.3.1 6 - 7b.8.3.3 0	Measures to minimise disturbance on Finless Porpoise Minimisation of Habitat Loss for Finless Porpoise	IWMF site, work site, marine traffic route	Design contractor, operator	team, IWMF	✓	~	<b>√</b>	•	EIAO-TM, Supporting Document for Application for Variation of the Environmental	Implemented for avoidance of construction works that may produce underwater acoustic disturbance, Vessel Travel Route implementation, training of staff; N/A for other

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	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	<ul> <li>Measures</li> <li>Substantial revision has been made on the layout plan and form of the breakwater, in order to minimise the potential loss of important habitat for Finless Porpoise. The revision has greatly reduced the size of the embayment area, as well as the Project footprint. As a result, the size of habitat loss for Finless Porpoise has reduced from the original ~50 ha, down to ~31 ha.</li> <li>Avoidance of peak season for finless porpoise occurrence</li> <li>To minimise potential acoustic disturbance from construction activities on Finless Porpoise, construction works that may produce underwater acoustic disturbance should be scheduled outside the months with peak Finless Porpoise occurrence</li> </ul>	I Iming	Agent						
	<ul> <li>(December to May), including:</li> <li>sheet piling works for construction of cofferdam surrounding the reclamation area (Phase 1);</li> <li>sheet piling works for construction of the shorter</li> </ul>								

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	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	<ul> <li>sheet piling works for construction of the remaining section of breakwater (Phase 3) and</li> <li>bored piling works for berth area (Phase 3)</li> </ul>								
	Such works should be restricted within June to November. This approach would not only avoid the peak season for Finless Porpoise occurrence, the magnitude of impacts arise from acoustic disturbance would also be minimised.								
	• Since the DCM ground treatment and the installation of precast seawalls and breakwaters should generate no underwater acoustic disturbance to Finless Porpoise, no specific mitigation measures are required.								
	Opt for quieter construction methods and plants								
	<ul> <li>Considering the sensitivity of marine mammals to underwater acoustic disturbance, instead of the previously proposed conventional breakwater and reclamation peripheral structure,</li> </ul>								
	which requires noisy piling works, the current circular cells structure for								

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	Environmental Protection			Imple	emen	tation S	stages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	breakwater and reclamation peripheral structure is proposed. A quieter sheet piling method using vibratory hammer or hydraulic impact hammer, should be adopted for the installation of circular cells for cellular cofferdam and								
	northern breakwater during Phase 1, and southern breakwater Phase 3;								
	Non-percussive bore piling method								
	would be adopted for the installation of tubular piles for the berth construction during Phase 3.								
	Monitored exclusion zones								
	During the installation/re-								
	installation/relocation process of								
	floating type silt curtains, in order to								
	avoid the accidental entrance and entrapment of marine mammals within								
	the silt curtains, a monitored exclusion								
	zone of 250 m radius from silt curtain								
	should be implemented. The								
	exclusion zone should be closely								
	monitored by an experienced marine								
	mammal observer at least 30 minutes before the start of installation/re-								
	installation/relocation process. If a								
	marine mammal is noted within the								
	exclusion zone, all marine works								
	should stop immediately and remain								
	idle for 30 minutes, or until the								

Integrated Waste Management Facilities, Phase 1

	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	hand a second of the Original
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	exclusion zone is free from marine mammals.								
	• The experienced marine mammal observer should be well trained to detect marine mammals. Binoculars should be used to search the exclusion zone from an elevated platform with unobstructed visibility. The observer should also be independent from the project proponent and has the power to call-off construction activities.								
	<ul> <li>In addition, as marine mammals cannot be effectively monitored within the proposed monitored exclusion zone at night, or during adverse weather conditions (i.e. Beaufort 5 or above, visibility of 300 meters or below), marine works should be avoided under weather conditions with low visibility.</li> </ul>								
	Marine mammal watching plan								
	Upon the completion of the installation/re- installation/relocation of floating type silt curtain, all marine works would be conducted within a fully enclosed environment within the silt curtain, hence exclusion zone monitoring would no longer								

Integrated Waste Management Facilities, Phase 1

	Environmental Protection	Environmental Protection Location / Implementation Stages*		ementation Stages*		Relevant			
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	be required. Subsequently, a marine mammal watching plan should be implemented.								
	The plan should include regular inspection of silt curtains, and visual inspection of the waters surrounded by the curtains. Special attention should be paid to Phase 2 (reclamation) where the floating type still curtain would be opened occasionally for vessel access, leaving a temporary 50 m opening. An action plan should be devised to cope with any unpredicted incidents such as the case when marine mammals are found within the waters surrounded by the silt curtains.								
	Small openings at silt curtains								
	• The openings for vessel access at the silt curtains should be as small as possible to minimise the risk of accidental entrance.								
	Adoption of regular travel route								
	• During construction and operation, captains of all vessels should adopt regular travel route, in order to minimize the chance of vessel collision with								

Integrated Waste Management Facilities, Phase 1

	Environmental Protection			Imple	ement	ation S	Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	marine mammals, which may otherwise result in damage to health or mortality. The regular travel route should avoid areas with high sighting density of Finless Porpoise as much as possible.								
	Vessel speed limit								
	<ul> <li>The frequent vessel traffic in the vicinity of works area may increase the chance of mammal mammals being killed or seriously injured by vessel collision. A speed limit of ten knots should be strictly enforced within areas with high density of Finless Porpoise.</li> <li>Passive acoustic monitoring and land-based theodolite monitoring surveys should be adopted to verify the predicted impacts and effectiveness of the proposed mitigation measures.</li> </ul>								
	Training of Staff								
	• Staff, including captains of vessels, should be aware of the guidelines for safe vessel operations in the presence of cetaceans during construction and operation phases. Adequate trainings should be provided								

Integrated Waste Management Facilities, Phase 1

	Environmental Protection				Impl	ementa	ation S	Stages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Impleme Age		Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
7b.8.3.3 1 - 7b.8.3.3 4	Measures to minimise impact on corals Coral translocation	IWMF site	Design contractor, operator	team, IWMF	~	<b>√</b>	~	~	EIAO-TM	Implemented, tagged coral found missing after hitting by typhoons
	<ul> <li>Coral communities within and in proximity to the proposed dredging sites would be disturbed by the Project due to the dredging operations. In order to minimise direct loss of coral communities, translocation of corals that are attached to movable rocks with diameter less than 50 cm are recommended. In order to avoid disturbance to corals during the spawning period, the spawning season of corals (June to August) should be avoided; and that translocation should be carried out during the winter season (November- March).</li> </ul>									Re-tagging of 10 coral colonies at indirect impact site and control site were conducted in November and December 2018 respectively.
	• The REA survey results suggest that the 198 directly affected coral colonies were attached to movable rocks (less than 50 cm in diameter). It is technically feasible to translocate them to avoid direct loss.									
	<ul> <li>Prior to coral translocation, a more detailed baseline survey, including a coral mapping survey, is recommended to further confirm the</li> </ul>									

Integrated Waste Management Facilities, Phase 1

	Environmental Protection			Imple	menta	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	exact number and location of coral colonies within the potentially affected area. A more detailed coral translocation plan, including selection of suitable recipient site, plan for coral translocation, and event / action plan for coral monitoring should be submitted upon approval of this Project, prior to commencement of construction works. Advice from relevant governmental departments (i.e. AFCD) and professionals would be sought after, in order to identify a desirable location for the relocation of coral communities. Post-translocation monitoring on the translocated corals should also be considered.								
	Coral monitoring programme								
	<ul> <li>A coral monitoring programme is recommended to assess any adverse and unacceptable impacts to the coral communities at the coasts of Shek Kwu Chau during construction of the Project.</li> </ul>								
	Phasing of Works								
	<ul> <li>To minimize environmental impacts, the proposed phasing of construction works has been carefully designed to</li> </ul>								

Integrated Waste Management Facilities, Phase 1

	Environmental Protection			Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	ο	Dec	Legislation and Guidelines	
	reduce the amount of concurrent works, hence minimize SS elevation and the associated impacts on corals.								
7b.8.3.3 5 - 7b.8.3.4 1	<ul> <li><u>Specific measures to minimize</u> <u>disturbance on breeding White-bellied</u> <u>Sea Eagle</u></li> <li>Avoidance of noisy works during the breeding season of White-bellied Sea Eagle</li> <li>To minimize potential noise disturbance from construction activities on WBSE, noisy construction works should be scheduled outside their breeding season (December to May) to minimise potential degradation in breeding ground quality and breeding activities, including:</li> <li>sheet piling works for construction of cofferdam surrounding the reclamation area (Phase 1);</li> <li>sheet piling works for construction of the shorter section of breakwater (Phase 1);</li> <li>sheet piling works for construction of the remaining section of breakwater (Phase 3); and</li> <li>bored piling works for berth area (Phase 3).</li> </ul>		Design Team, Contractor, IWMF operator					EIAO-TM	Implemented

Integrated Waste Management Facilities, Phase 1

	Environmental Protection			Impl	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	Opt for quieter construction methods and plants								
	<ul> <li>To minimise potential construction noise disturbance on WBSE, quieter construction methods and plants should be adopted. The recommended noise mitigation measures in the Noise chapter (Section 4b.8 of the EIA Report) should be implemented to minimise potential noise disturbance to acceptable levels.</li> </ul>								
	Restriction on vessel access near the nest of White-bellied Sea Eagle								
	• During construction and operation, in order to minimize disturbance on the existing WBSE nest, a pre-defined practical route to restrict vessel access near the nest should be adopted to keep vessels and boats as far away from the nest as possible.								
	White-bellied Sea Eagle monitoring programme								
	<ul> <li>A WBSE monitoring programme is recommended to assess any adverse and unacceptable impacts to the breeding activities of WBSE during construction and operation of the</li> </ul>								

Integrated Waste Management Facilities, Phase 1

	Environmental Protection			Imple	ementa	ation S	Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	<ul> <li>Project. Monitoring surveys for WBSE would include pre-construction phase (twice per month for duration of three months during their breeding season -between December and May, immediately before the commencement of works), construction phase, and operation phase (two years after the completion of construction works).</li> <li>Surveys should be conducted twice per month during their breeding season (from December to May); and once per month outside breeding season (June to November). More details on monitoring for WBSE are presented in the EM&amp;A Manual.</li> </ul>								
	Education of staff								
	• Staff, including captains of all vessels during construction and operation phases, should be aware of the ecological importance of WBSE. Awareness should be raised among staff to minimise any intentional or unintentional disturbance to the nest.								
	Minimisation of Glare Disturbance								

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	Environmental Protection			Impl	ementa	tion Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	O Dec	Legislation and Guidelines	
	<ul> <li>To minimise glare disturbance on WBSE, which may cause disorientation of birds by interfering with their magnetic compass, and disruption in behavioural patterns such as reproduction, fat storage and foraging pattern, any un-necessary outdoor lighting should be avoided, and in-ward and down-ward pointing of lights should be adopted.</li> </ul>							
-	<ul> <li><u>Construction of Seawall/Breakwaters</u></li> <li>To widen the open channel between the Artificial Island and Shek Kwu Chau.</li> <li>To design the precast concrete seawall with environmental friendly features.</li> </ul>	IWMF site	Design team, contractor, IWMF operator	V	~		Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012)	N/A
7b.8.3.42	<ul> <li>Opt for Quieter Construction Methods and Plants</li> <li>Quieter construction methods and plants should be used to minimise disturbance to the nearby terrestrial habitat and the associated wildlife.</li> </ul>	Work site	Design team, contractor, IWMF operator	<b>√</b>	~	✓ ✓	EIAO-TM	Implemented
7b.8.3.43	<ul> <li>Measures to minimize impacts from artificial lighting</li> <li>Unnecessary lighting should be avoided, and shielding of lights should be provided to minimize disturbance from light pollution on fauna groups.</li> </ul>	IWMF site	Design team, contractor, IWMF operator	V	~	✓ 	EIAO-TM	Implemented

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	Environmental Protection			Imple	ement	ation S	tages*	Relevant		
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks	
7b.8.3.4 4 - 7b.8.3.4 5	<ul> <li>Measures to minimize accidental spillage</li> <li>Regular maintenance of vessels, vehicles and equipment that may cause leakage and spillage should only be undertaken within predesignated areas, which are appropriately equipped to control the associated discharges.</li> <li>Oils, fuels and chemicals should be contained in suitable containers, and only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas should be sited on sealed areas in order to prevent spillage of fuels and solvents to the nearby watercourses. All waste oils and fuels should be collected in designated tanks prior to disposal.</li> </ul>	Work site	Contractor, IWMF operator		✓			EIAO-TM	Deficiency of Mitigation Measures but rectified by the Contractor.	
7b.8.3.46	<ul> <li>Measures to minimise sewage effluent</li> <li>Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce.</li> </ul>	Work site	Contractor		~			EIAO-TM	N/A	
7b.8.3.47	Measures to minimise drainage and construction runoff	Work site	Contractor		✓		✓	EIAO-TM	N/A	

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	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	Potential ecological impacts resulted								
	from potential degradation of water								
	quality due to unmitigated surface								
	runoff could be minimised via the								
	detailed mitigation measures in Section								
	5b.8 of the EIA Report. The following								
	presents some of the mitigation								
	measures:								
	- On-site drainage system								
	with implemented								
	sedimentation control facilities.								
	<ul> <li>Channels, earth bunds or sand bag barriers abauld be provided on site</li> </ul>								
	barriers should be provided on site to direct storm water to silt removal								
	facilities.								
	- Provision of embankment at								
	boundaries of								
	earthworks for flood protection.								
	- Water pumped out from								
	foundation piles must be								
	discharged into silt removal								
	facilities.								
	- During rainstorms, exposed								
	slope/soil surfaces should be								
	covered by tarpaulin or other								
	means, as far as practicable.								
	<ul> <li>Exposed soil surface should be</li> </ul>								
	minimized to reduce siltation and								
	runoff.								
	- Earthwork final surfaces should be								
	well compacted. Subsequent								
	permanent surface protection								
	should be immediately performed.								

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	Environmental Protection			Impl	ementa	tion S	tages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	- Open stockpiles of construction materials, and construction wastes on- site should be covered with tarpaulin or similar fabric during rainstorms.								
7b.8.3.48	<ul> <li>Measures to minimise impacts from general construction activities</li> <li>To avoid the entering of construction solid waste into the nearby habitats, construction solid waste should be collected, handled and disposed of properly to avoid entering to the nearby habitats. It is recommended to clean the construction sites on a</li> </ul>	Work site	Contractor		V			EIAO-TM	Implemented
7b.8.3.49	regular basis. <u>Pest Control</u> Good waste management practices should be adopted at the IWMF in order to minimise the risk of introduction of pest to the island: - Transportation of wastes in enclosed containers - Waste storage area should be well maintained and cleaned - Waste should only be disposed of at designated areas - Timely removal of the newly arrived waste - Removal of items that are capable of retaining water	IWMF site	IWMF operator			•			N/A

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	Environmental Protection			Imple	ementa	ation St	ages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	
	<ul> <li>Rapid clean up of any waste spillages</li> <li>Maintenance of a tidy and clean site environment</li> <li>Regular application of pest control</li> <li>Education of staff the importance of site cleanliness</li> </ul>								
7b.8.3.50		IWMF site	IWMF operator			~		EIAO-TM; WPCC	N/A
	<ul> <li>Depending on the seabed condition of the approach channel for marine vessels during operation phase of the IWMF, maintenance dredging may be required to ensure safe access. In order to avoid degradation in water quality due to elevation in SS and dispersion of sediment plume due to dredging works, it is recommended that any future maintenance dredging works should not be carried out within 100 m from the shore, similar to that of the dredging for anti-scouring protection layer during construction phase. All maintenance dredging works should be carried out with the implementation of silt curtain to control the dispersion of SS. The production rate should comply with the permit dredging rate and number of grab per hour.</li> </ul>								

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	Environmental Protection			Impl	ementa	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	and Remarks
7b.8.4. 1 – 7b.8.4. 8	<ul> <li>Measures</li> <li><u>Compensation of loss of important habitat of Finless Porpoise</u></li> <li><i>Designation of Marine Park</i></li> <li>The Project Proponent has made a firm commitment to seek to designate a marine park of approximately 700 ha in the waters between Soko Islands and Shek Kwu Chau, in accordance with the statutory process stipulated in the Marine Parks Ordinance, as a compensation measure for the habitat loss arising from the construction of the IWMF at the artificial island near SKC.</li> <li>The Project Proponent shall seek to complete the designation by 2018 to tie in with the operation of the IWMF at the artificial island near SKC.</li> <li>A further study should be carried out to review relevant previous studies and collate available information on the ecological characters of the proposed area for marine park designation; and review available survey data for Finless Porpoise, water quality, fisheries, marine traffic and planned development projects in the vicinity.</li> </ul>	between Shek Kwu Chau and Soko Islands	Project Proponent					Guidelines EIAO-TM	N/A

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	Environmental Protection			Impl	ementa	ation Stages*	Relevant	Implementation Status and Remarks
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	O Dec	Legislation and Guidelines	
	marine park designation should be established, and the extent and location of the proposed marine park be determined. The adequacy of enhancement measures should also be reviewed.							
	<ul> <li>In addition, a management plan for the proposed marine park should be proposed, covering information on the responsible departments for operation and management (O&amp;M) of the marine park, as well as the O&amp;M duties of each of the departments involved. Consultation with relevant government departments and stakeholders should be conducted under the study. The study should be submitted to Director of Environmental Protection (DEP) for approval before the commencement of construction works.</li> </ul>							
	• The Project Proponent should provide assistance to AFCD during the process of the marine park designation.							
7b.8.5. 1 – 7b.8.5. 4	Additional Enhancement or <u>Precautionary Measures</u> <i>Deployment of Artificial Reefs</i> • Deployment of artificial reefs (ARs) is an enhancement measure for the	Within the proposed marine park under this study	Project Proponent	~		×	EIAO-TM	N/A

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	Environmental Protection			Imple	ementa	ation S	tages*	Relevant	
EIA Ref	Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Implementation Status and Remarks
	<ul> <li>marine habitats. ARs are proposed to be deployed within the proposed marine park under this Project. The exact location, dimension and type of ARs to be deployed are to be further investigated along with the further study of the proposed marine park under this Project. The proposed ARs would be deployed at the same time as the complete designation of marine park.</li> <li>Release of Fish Fry at Artificial Reefs and Marine Park</li> </ul>								
	<ul> <li>Release of fish fry at the proposed ARs, as well as the proposed marine park under this study, should enhance the fish resources in the nearby waters, and subsequently food sources for Finless Porpoise. The proposed ARs with various micro-habitats would have the potential to provide shelter and nursery ground for the released fish fry. The frequency and quantity of fry to be released should be agreed by AFCD.</li> </ul>								

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

					Imple	ementa	tion S	stages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent		Des	С	0	Dec	Legislation and Guidelines	Status and Remarks
8b.8.1.2	Measure to minimize loss of and disturbance on fisheries resources	IWMF site	Design tea contractor	am,	~	•		✓	EIAO-TM	N/A
	<ul> <li>Alteration to the phasing of works, construction method, and layout plan of the IWMF at the artificial island near SKC has been made. The total fishing ground to be permanently lost due to the project has been significantly reduced from ~50 ha to ~31 ha. By adopting the current circular cells instead of the conventional seawall construction method, SS elevation would be greatly reduced, minimizing adverse impact on the health of fisheries resources.</li> </ul>									
8b.8.1.3	Measure to minimize impingement and entrainment	IWMF site		am, VMF	✓	~	✓		EIAO-TM	N/A
	<ul> <li>Provision of a screen at the water intake point for desalination plant would be essential to minimize the risk of impingement and entrainment of fisheries resources (including fish, larvae and egg) through the intake point.</li> </ul>									

### Table B.6 Implementation Schedule for Fisheries Measures for the IWMF at the artificial island near SKC

### Keppel Seghers – Zhen Hua Joint Venture

						Imple	ementa	ation S	Stages*	Relevant Legislation and Guidelines	Implementation Status and Remarks
EIA Ref	Environmental Protection Measures / Mitigation Measures		tion / ning	Implemer Ager		Des	С	0	Dec		
8b.8.1.4- 8b.8.1.6	<ul> <li>Measures to control water quality</li> <li>No wastewater effluent, anti-fouling agent, heavy metals and other contaminants would be released during operation phase of the Project.</li> <li>Mitigation measures recommended in the water quality impact assessment during construction and operation would serve to protect fisheries resources from indirect impacts resulted from the Project</li> </ul>		site, IWMF	Design contractor, operator	team, IWMF	✓	✓		×	EIAO-TM	Implemented
8b.8.1.7 - 8b.8.1.8	<ul> <li>Additional Enhancement / Precautionary Measures</li> <li>Artificial Reefs (ARs) are proposed to be deployed within the proposed marine park under this Project as an enhancement measure for the marine habitats. This enhancement feature would bring positive impacts to the previously identified important spawning and nursery ground for fisheries resources.</li> <li>Release of Fish Fry at Artificial Reefs</li> <li>Release of fish fry has been proposed under this Project. The proposed deployment of ARs within the proposed marine park would provide shelter and nursery ground for the released fish fry. The frequency and quantity of fry to be released should be agreed by AFCD.</li> </ul>	betweer Islands Shek Chau	park waters n Soko	Project Prop	ponent	✓				EIAO-TM	N/A

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

I able B.7	Implementation Schedule for Landscape and	In visual measures for the twine at the						
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	C	ation Stage O De	Legislation	Implementation Status and Remarks
S10b.10 MLVC- 01	Grass-hydroseeded bare soil surface and stock pile area	Work site / During construction phase	Contractor		•			N/A
S10b.10 MLVC-02	<ol> <li>Landscape Design         <ol> <li>Early planting using fast grow trees and tall shrubs at strategic locations within site as buffer to block view corridors to the site from the VSRs, and to locally screen haul roads, excavation works and site preparation works.</li> <li>Use of tree species of dense tree crown to serve as visual barrier.</li> <li>Hard and soft landscape treatment (e.g. trees and shrubs) of open areas within development to provide a background for the outdoor containers from open view, shade and shelter, and a green appearance from surrounding viewpoints.</li> <li>Planting strip along the periphery of the project site.</li> <li>Selected tree species suitable for the coastal condition.</li> </ol> </li> </ol>	Work site / During design & construction	Contractor		×			N/A

### Table B.7 Implementation Schedule for Landscape and Visual Measures for the IWMF at the artificial island near SKC

## Keppel Seghers – Zhen Hua Joint Venture

				Implemen	tation S	Stages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des C	0	Dec	Legislation and Guidelines	Status and Remarks
S10b.10 MLVC-03	<ul> <li><u>Adoption of Natural Features of the Existing</u></li> <li><u>Shoreline</u></li> <li>1) Use of boulders in different sizes and with the similar textures of the existing rocky shores for the construction of breakwater and artificial shoreline in order to blend into the existing natural shoreline.</li> </ul>	Work site / During construction phase	Contractor	✓				N/A
	2) Use of cellular cofferdam together with the natural boulders to form a curvature shoreline for the reclamation area to echo with the natural shoreline of SKC.							
S10b.10 MLVC-04	<ul> <li><u>Greening Design (Rooftop &amp; Vertical Greening)</u></li> <li>1) Implementation of rooftop and vertical greening (vertical building envelope) along the periphery of each building block to increase the amenity value of the work, moderate temperature extremes and enhance building energy performance. The greening appearance of the building shall enhance its visual harmony with the natural surroundings as well as reduce the apparent visual mass of the structure.</li> </ul>	Work site / During design & construction phases	Contractor	✓ ✓				N/A
	<ol> <li>Sufficient space between concrete enclosure and stack to minimize heat transfer.</li> </ol>							
	3) Introduction of landscape decks at the stack to further enhance the overall natural and green concept unique for this site.							

## Keppel Seghers – Zhen Hua Joint Venture

				Imple	menta	ation S	tages*	Relevant	Implementation						
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Status and Remarks						
S10b.10 MVC-01	Visual Mitigation and Aesthetic Design	Structures in IWMF /	Contractor	~	$\checkmark$				N/A						
MVC-01	<ol> <li>Use of natural materials with recessive color to minimize the bulkiness of the building.</li> </ol>	During design & constructio													
	<ol> <li>Adoption of innovative aesthetic design to the chimney to minimize or visually mitigate the massing of the chimney so as to reduce its visual impact to the surroundings.</li> </ol>	n phases													
	<ol> <li>Color of the chimney in a gradual changing manner to match with the color of the sky.</li> </ol>														
	<ol> <li>Provision of observation deck for public enjoyment at the top of the chimney to diminish the feeling of chimney.</li> </ol>														
	<ul> <li>5) Provision of sky gardens between the two stacks to allow additional greening for enhancing the aesthetic quality. Maintenance access (elevator and staircase) from the ground floor to the sky gardens will be provided to allow maintenance of the sky gardens.</li> </ul>														
	<ol> <li>Integration of the visitor's walkway with different material façade design of incinerator plant to enhance the aesthetic quality.</li> </ol>														
S10b.10 MVC-02	Control of the security floodlight for construction areas at night to avoid excessive glare to the surrounding receiver.	Work site / During construction phase	Contractor		✓				Implemented						

				Imple	menta	ation S	Stages*	Relevant	Implementation
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Des	С	0	Dec	Legislation and Guidelines	Status and Remarks
S10b.10 MVC-03	Optimization of the construction sequence and construction programme to minimize the duration of impact.	Work site / During design & construction phases	Contractor	×	✓				Implemented
S10b.10 MVC-04	Storage of the backfilling materials for site formation & construction materials / wastes on site at a maximum height of 2m, covered with an impermeable material of visually un- obtrusive material (in earth tone).	Work site / During construction phase	Contractor		~				N/A
S10b.10 MVC-05	Reduction of the number of construction traffic at the site to practical minimum.	Work site / During construction phase	Contractor		~				Implemented
S10b.10 MLVO-01	Planting Maintenance Provision of proper planting maintenance and replacement of defective plant species on the new planting areas to enhance aesthetic and landscape quality.	Project site / During Operation phase	Contractor			✓			N/A
S10b.10 MVO-01	Environmental Education Centre Development of an Environmental Education Center, in which regular exhibitions and lectures to promote environmental awareness and waste reduction concept would be provided, as a part of the IWMF for the general public to alleviate negative public perceptions of the development.	Project site / During Operation phase	Contractor			~			N/A
S10b.10 MVO-02	<u>Control of Light</u> Control the numbers of lights and their intensity to a level that is good enough to meet the safety requirements at night but not excessive.	Project site / During Operation phase	Contractor			~			N/A

Keppel Seghers – Zhen Hua Joint Venture

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Imple Des	ementat C	tion S O	tages* Dec	Relevant Legislation and Guidelines	Implementation Status and Remarks
S10b.10 MVO-03	<u>Control of Operation Time</u> Minimization of the frequency of waste transportation to practical minimum (e.g. limit the reception of MSW from 8 am to 8 pm)	Project site / During Operation phase	Contractor			✓			N/A

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

# Appendix C Impact Monitoring Schedule of the Reporting Month

			Impact Monitoring Schedule for IWMF Apr-23			
Sun N	Mon	Tue	Wed T	u	Fri	Sat
						1 Impact Ecology monitoring for WBSE
2 Impact 3 Ecology monitoring for WBSE	3 Impact Daytime & Evening Noise monitoring for M1, M2 & M3 Ecology monitoring for WBSE	4 Impact Night time Noise monitoring for M1, M2 & M3 Ecology monitoring for WBSE	5 6		7	8
9	10	11	12 1		14	15
·		Inpact Daytime & Evening Noise monitoring for M1, M2 & M3	12 Impact Monitoring Night time Noise monitoring for M1, M2 & M3 Ecology monitoring for WBSE		P*	
					7	2
19 1	Inpact Daytime & Evening Noise monitoring for M1, M2 & M3	Impact Night time Noise monitoring for M1, M2 & M3	19 2		Δ	22
23 2	24	25 Impact Night time Noise monitoring for M1, M2 & M3	26 Impact Monitoring Ecology monitoring for WBSE		28	29
30						
Remarks: 1. Daytime Noise Monitoring (07:00-1900), Evening Time Noise Monitoring (1900-2300), 2. Water Quality Monitoring for \$1,52 and 53 will only conduct during DCM works, refer to 3. No marine construction work is tentatively scheduled to be carried out in April 2023	Night Time Noise Monitoring (2300-0700) Detailed DCM Plan				1	<u> </u>

Appendix D Event / Action Plan for Water Quality Exceedance

Event		Act	ion	
	ET	IEC	SO	Contractor
Action level being exceeded by one sampling day	Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; Repeat measurement on next day of exceedance. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the SO accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the SO and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and SO within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Action level being exceeded by more than one consecutive sampling days	Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; Ensure mitigation measures are implemented; Prepare to increase the monitoring frequency to daily; Repeat measurement on next working day of exceedance. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the SO accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)	Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)	Inform the SO and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and SO within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)

Keppel Seghers – Zhen Hua Joint Venture

Event		Ac	tion	
	ET	IEC	SO	Contractor
Limit level	Inform the SO and confirm	Discuss with ET and	Discuss with IEC, ET and	Inform the SO and confirm
being exceeded	notification of the non-	Contractor on the mitigation	Contractor on the proposed	notification of the non-
by one	compliance in writing;	measures;	mitigation measures;	compliance in writing;
sampling day	Rectify unacceptable practice;	Review proposals on	Request Contractor to	Rectify unacceptable practice;
	Check all plant and	mitigation measures submitted	critically review the working	Check all plant and
	equipment;	by Contractor and advise the	methods;	equipment;
	Consider changes of working	SO accordingly;	Make agreement on the	Consider changes of working
	methods;	Assess the effectiveness of	mitigation measures to be	methods;
	Discuss with Contractor, IEC	the implemented mitigation	implemented.	Discuss with ET, IEC and SO
	and SO and propose	measures.	Assess the effectiveness of	and propose mitigation
	mitigation measures to IEC	(The above actions should be	the implemented measures.	measures to IEC and SO
	and SO within 3 working days;	taken within 1 working day	(The above actions should be	within 3 working days;
	Implement the agreed	after the exceedance is	taken within 1 working day	Implement the agreed
	mitigation measures.	identified)	after the exceedance is	mitigation measures.
	(The above actions should be		identified)	(The above actions should be
	taken within 1 working day			taken within 1 working day
	after the exceedance is			after the exceedance is
	identified)			identified)

Event		Act	ion	
	ET	IEC	SO	Contractor
Limit level	Identify source(s) of impact;	Discuss with ET and	Discuss with IEC, ET and	Inform the SO and confirm
being exceeded	Inform IEC, Contractor and	Contractor on the mitigation	Contractor on the proposed	notification of the non-
by more than	EPD;	measures;	mitigation measures;	compliance in writing;
one	Check monitoring data, all	Review proposals on	Request Contractor to	Rectify unacceptable practice;
consecutive	plant, equipment and	mitigation measures submitted	critically review the working	Check all plant and
sampling days	Contractor's working methods.	by Contractor and advise the	methods;	equipment;
	Discuss mitigation measures	SO accordingly;	Make agreement on the	Consider changes of working
	with IEC, SO and Contractor.	Assess the effectiveness of	mitigation measures to be	methods;
	Ensure mitigation measures	the implemented mitigation	implemented.	Discuss with ET, IEC and SO
	are implemented;	measures.	Assess the effectiveness of	and propose mitigation
	Increase the monitoring	(The above actions should be	the implemented measures.	measures to IEC and SO
	frequency to daily until no	taken within 1 working day	Consider and instruct, if	within 3 working days;
	exceedance of Limit level for	after Limit Level being	necessary, the Contractor to	Implement the agreed
	two consecutive days.	exceeded by two consecutive	slow down or to stop all or part	mitigation measures;
	(The above actions should be	sampling days)	of the marine work until no	As directed by the SOR, to
	taken within 1 working day		exceedance of Limit level.	slow down or to stop all or part
	after Limit Level being		(The above actions should be	of the marine work or
	exceeded by two consecutive		taken within 1 working day	construction activities.
	sampling days)		after Limit Level being	(The above actions should be
			exceeded by two consecutive	taken within 1 working day
			sampling days)	after Limit Level being
				exceeded by two consecutive
				sampling days)

## Appendix E Noise Monitoring Equipment Calibration Certificate

# **Certificate of Calibration**

## for

Description:	Sound Level Meter
Manufacturer:	SVANTEK
Type No.:	971 (Serial No.: 96063)
Microphone:	ACO 7052 E (Serial No.: 78092)
Preamplifier:	SVANTEK SV 18 (Serial No.:97278)

## Submitted by:

Customer:	Acuity Sustainability Consulting Limited
Address:	Unit E, 12/F., Ford Glory Plaza,
	Nos. 37-39 Wing Hong Street,
	Cheung Sha Wan, Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

$\checkmark$	Within
	Outside

## the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 21 June 2022

Date of calibration: 27 June 2022

Date of NEXT calibration: 26 June 2023

Calibrated by: alibration Technician

Date of issue: 27 June 2022

Certificate No.: APJ22-029-CC001

Certified by:

Mr. Tang Cheuk Hang Quality Manager



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## (A+A)\*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Conditions:

Air Temperature:	24.2 °C
Air Pressure:	1004 <b>hPa</b>
<b>Relative Humidity:</b>	60.8 %

## 3. Calibration Equipment:

	Туре	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV200041	HOKLAS

## 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25-124.5	dBA	SPL	Fast	94	1000	93.7	±0.4

Linearity

Setting of Unit-under-test (UUT)			App	lied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		93.7	Ref
25-124.5	dBA	SPL	Fast	104	1000	103.7	±0.3
				114		113.7	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25-124.5	A CIL	CDI	Fast	94	1000	93.7	Ref
23-124.5	dBA	SPL	Slow	94	1000	93.7	±0.3

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Frequency Response

## Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. We	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	94.1	±2.0
					63	94.0	±1.5
					125	94.0	±1.5
					250	94.0	±1.4
25-124.5	dB	SPL	Fast	94	500	93.9	±1.4
					1000	93.7	Ref
					2000	93.7	±1.6
					4000	95.5	±1.6
					8000	92.3	+2.1; -3.1

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	54.8	-39.4 ±2.0
					63	67.9	-26.2±1.5
					125	77.9	-16.1±1.5
					250	85.3	-8.6±1.4
25-124.5	dBA	SPL	Fast	94	500	90.7	$-3.2 \pm 1.4$
					1000	93.7	Ref
					2000	95.0	$+1.2 \pm 1.6$
					4000	96.6	$+1.0 \pm 1.6$
					8000	91.3	-1.1+2.1; -3.1

C-weighting

Sett	ing of Uni	t-under-t	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB	
					31.5	91.1	-3.0 ±2.0	
				63	93.2	$-0.8 \pm 1.5$		
25-124.5 dBC SPL			125	93.8	-0.2 ±1.5			
			250	94.0	$-0.0 \pm 1.4$			
	Fast	94	500	93.9	-0.0±1.4			
					1000		93.7	Ref
					2000	93.6	-0.2 ±1.6	
					4000	94.8	-0.8±1.6	
					8000	89.4	-3.0+2.1; -3.1	

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Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong Tel: (852) 2668 3423 Fax:(852) 2668 6946 Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

# (A+A)\*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.05
	125 Hz	$\pm 0.05$
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.



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Certificate No.: APJ22-029-CC001



### FACTORY CALIBRATION DATA OF THE SVAN 971 No. C119577

#### with preamplifier SVANTEK type SV 18 No. C122487 and

with microphone ACO type 7052E No. 85197

#### 1. CALIBRATION\* (acoustical)

LEVEL METER function; Range: Low; Reference frequency: 1000Hz; Sound Pressure Level: 114.03 dB.

Characteristic	Correct value [dB]	Indication [dB]	Error [dB]
Z	114.03	114.05	0.02
А	114.03	114.05	0.02
С	114.03	114.05	0.02

Calibration measured with the microphone ACO type 7052E No. 85197. Calibration factor: 0.74 dB.

#### 2. LINEARITY TEST\* (electrical)

LEVEL METER function; Range: Low; Characteristic: A; f sin= 31.5 Hz

Nominal result LEQ [dB]	24.0	25.0	26.0	28.0	30.0	40.0	60.0	83.0
Error [dB]	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

LEVEL METER function; Range: Low; Characteristic: A; f sin= 1000 Hz

Nominal result LEQ [dB]	24.0	25.0	26.0	28.0	30.0	40.0	60.0	80.0	100.0	123.0
Error [dB]	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	-0.0

LEVEL METER function; Range: Low; Characteristic: A; f sin= 8000 Hz

Nominal result LEQ [dB]	24.0	25.0	26.0	28.0	30.0	40.0	60.0	80.0	100.0	122.0
Error [dB]	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	-0.0

#### LEVEL METER function; Range: High; Characteristic: A; f sin= 31.5 Hz

Nominal result LEQ [dB]	34.0	35.0	36.0	38.0	40.0	60.0	80.0	97.0
Error [dB]	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0

#### LEVEL METER function; Range: High; Characteristic: A; f sin= 1000 Hz

Nominal result LEQ [dB]	34.0	35.0	36.0	38.0	40.0	60.0	80.0	100.0	120.0	137.0
Error [dB]	-0.0	0.0	-0.0	-0.0	-0.1	-0.1	· -0.0	-0.0	-0.0	-0.0

LEVEL METER function; Range: High; Characteristic: A; f sin= 8000 Hz

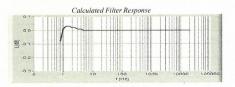
Nominal result LEQ [dB]	34.0	35.0	36.0	38.0	40.0	60.0	80.0	100.0	120.0	136.0
Error [dB]	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.0	0.0

#### 1/3 OCTAVE (1kHz); Range: Low; f sin= 1000 Hz

Nominal result [dB]	25.0	30.0	40.0	60.0	80.0	100.0	120.0	123.0
Error [dB]	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0

#### 4. FREQUENCY RESPONSE' (electrical)

LEVEL METER function; Characteristic: Z; Range: Low; Input signal =120 dB;



Measured Filter Response with Preamplifier SV18 (f-frequency, L-level)

f [Hz]	L [dB]	f [Hz]	L [dB]	f [Hz]	L [dB]
10	-0.1	63	0.0	4000	0.0
12.5	-0.0	125	0.0	8000	0.0
16	0.0	250	0.0	16000	0.0
20	0.0	500	0.0	20000	0.0
25	0.0	1000	0.0		
31.5	0.0	2000	0.0		

All frequencies are nominal center values for the 1/3 octave bands

#### 5. INTERNAL NOISE LEVEL\* (electrical - compensated)

LEVEL METER function; Range:	Low; (Back-light	<ul> <li>off) ; Calibratio</li> </ul>	n factor: 0dB	
Characteristic	7	Δ	C	

Level [dB]	≤20	≤12	≤12
------------	-----	-----	-----

\* measured with preamplifier SVANTEK type SV 18 No. C122487.

#### 6. INTERNAL NOISE LEVEL (acoustical - compensated)

LEVEL METER function; Characteristic: A; (Backlight - off)
------------------------------------------------------------

Range	Low	High
Indication [dB]	≤15	20.5

Noise measured in special chamber, with reference microphone G.R.A.S type 40AN No. 73421

#### ENVIRONMENTAL CONDITIONS

Temperature	Relative humidity	Ambient pressure
23 °C	42%	1008 hPa

#### **TEST EQUIPMENT**

Item	Manufacturer	Model	Serial no.	Description
1.	SVANTEK	SVAN 401	100	Signal generator
2.	SVANTEK	SVAN 912A	4369	Sound & Vibration Analyser
3.	RIGOL	DM3068	DM30155100773	Digital multimeter
4.	SVANTEK	SV33B	93171	Acoustic calibrator
5.	SVANTEK	ST02	-	Microphone equivalent electrical impedance (18pF)

#### **CONFORMITY & TEST DECLARATION**

1. Herewith Svantek company declares that this instrument has been calibrated and tested in compliance with the internal ISO9001 procedures and meets all specification given in the Manual(s) or respectively surpass them.

2. The acoustic calibration was performed using the Sound Calibrator and is traceable to the GUM (Central Office of Measures) reference standard - sound level calibrator type 4231 No 2292773.

3. The information appearing on this sheet has been compiled specifically for this instrument. This form is produced with advanced equipment & procedures which permit comprehensive quality assurance verification of all data supplied herein.

4. This calibration sheet shall not be reproduced except in full, without written permission of the SVANTEK Ltd.

Calibration specialist: Cezary Dardziński ...

Test date: 2022-10-11

# **Certificate of Calibration**

## for

Description:	Sound Level Meter
Manufacturer:	SVANTEK
Type No.:	971 (Serial No.: 96062)
Microphone:	ACO 7052 E (Serial No.: 79778)
Preamplifier:	SVANTEK SV 18 (Serial No.:97276)

## Submitted by:

Customer:	Acuity Sustainability Consulting Limited
Address:	Unit E, 12/F., Ford Glory Plaza,
	Nos. 37-39 Wing Hong Street,
	Cheung Sha Wan, Kowloon, Hong Kong

## Upon receipt for calibration, the instrument was found to be:

✓ Within (31.5 Hz to 4k Hz)□ Outside

## the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 21 June 2022

Date of calibration: 27 June 2022

Date of NEXT calibration: 26 June 2023

Calibrated by: Calibration Technician

Date of issue: 27 June 2022

Certificate No.: APJ22-029-CC002

0 Certified by:

Mr. Tang Cheuk Hang Quality Manager



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F	Room 422, Leader Industrial Centre, 57-59 Au Pui Wan Street	Fo Tan, Shatin, N.T., Hong Kong
	Tel: (852) 2668 3423	Fax:(852)26686946
	Homepage: http://www.aa-lab.com	E-mail: inquiry@aa-lab.com

## Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 1. Calibration Conditions:

Air Temperature:	24.2 °C
Air Pressure:	1004 <b>hPa</b>
<b>Relative Humidity:</b>	60.8 %

## 2. Calibration Equipment:

	Туре	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV200041	HOKLAS

## 3. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setti	ting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25-124.5	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.0	Ref
25-124.5	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25 124 5	A D A	CDI	Fast	0.4	1000	94.0	Ref
25-124.5	ûВА	dBA SPL	Slow	94 1000	94.0	±0.3	

Certificate No.: APJ22-029-CC002



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Frequency Response

Linear Response

Sett	Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	94.3	±2.0
					63	94.2	±1.5
			125	94.1	±1.5		
25-124.5	dB	SPL	Fast	94	250	94.1	±1.4
25-124.5	uВ	SFL	rast	24	500	94.0	±1.4
					1000	94.0	Ref
					2000	93.7	±1.6
					4000	93.1	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1		
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB	
					31.5	54.9	-39.4 ±2.0	
					63	68.0	-26.2±1.5	
				94	125	78.0	-16.1±1.5	
25-124.5	dBA	SPL	Fast		250	85.4	-8.6±1.4	
23-124.3	UDA	SFL	rasi		500	90.8	$-3.2 \pm 1.4$	
					1000	94.0	Ref	
						2000	94.9	$+1.2 \pm 1.6$
		-			4000	94.2	$+1.0 \pm 1.6$	

C-weighting

Setting of Unit-under-test (UUT)				Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Level, dB Frequency, Hz		Specification, dB
					31.5	91.3	-3.0 ±2.0
					63	93.4	-0.8±1.5
				125	93.9	-0.2±1.5	
25-124.5	dBC	SPL	<b>F</b>	94	250	94.1	$-0.0 \pm 1.4$
25-124.5	ubc	SFL	Fast	24	500	94.1	$-0.0 \pm 1.4$
					1000	94.0	Ref
				2000	93.6	$-0.2 \pm 1.6$	
					4000	92.4	-0.8±1.6

Certificate No.: APJ22-029-CC002



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# (A+A)\*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 4. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.15
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	$\pm$ 0.05
	1000 Hz	± 0.05
	2000 Hz	$\pm$ 0.05
	4000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.



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Certificate No.: APJ22-029-CC002

# **Certificate of Calibration**

for

Description:	Sound Level Meter
Manufacturer:	Svantek
Type No.:	971 (Serial No.: 103449)
Microphone:	ACO 7052E (Serial No.: 78092)
Preamplifier:	SV 18 (Serial No.:78763)

## Submitted by:

Customer: Acuity Sustainability Consulting Limited Address: Unit E, 12/F, Ford Glory Plaza, Nos. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

## Upon receipt for calibration, the instrument was found to be:

☑ Within (31.5Hz – 8kHz) □ Outside

## the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 2 February 2023

Date of calibration: 6 February 2023

Date of NEXT calibration: 5 February 2024

Calibrated by:

Calibration Technician

Date of issue: 6 February 2023

Certificate No.: APJ22-136-CC001

Certified by:

Mr. Ng Yan Wa Laboratory Manager

TESTING LA

Page 1 of 4

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong Tel: (852) 2668 3423 Fax:(852) 2668 6946 Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

# (A+A)\*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Conditions:

Air Temperature:	23.9°C
Air Pressure:	1006 hPa
<b>Relative Humidity:</b>	47.9 %

## 3. Calibration Equipment:

	Туре	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV220061	HOKLAS

## 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)				Арр	lied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	vonest.	Specification, dB
25-124.3	dBA	SPL	Fast	94	1000	94.0	$\pm 0.4$

Linearity

Setting of Unit-under-test (UUT)				Applied value		UUT Reading,	IEC 61672 Class
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz		Specification, dB
25.124.2				94		94.0	Ref
25-124.3	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)				Appl	lied value	UUT Reading.	IEC 61672 Class 1
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz		Specification, dB
25-124.3	dBA	SPL	Fast	0.4	1000	94.0	Ref
	ubA	51 L	Slow	94	1000	94.0	+0.3

Certificate No.: APJ22-136-CC001



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Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong Tel: (852) 2668 3423 Fax:(852) 2668 6946 Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

# (A+A)\*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## Frequency Response

## Linear Response

Sett	ing of Uni	t-under-t	est (UUT)	Appl	ied value	UUT Reading	IEC 61672 Class 1
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz		Specification, dB
					31.5	94.2	±2.0
					63	94.1	±1.5
			Fast		125	94.1	±1.5
25-124.3	ID				250	94.1	±1.4
25-124.3	dB	SPL		94	500	94.0	±1.4
					1000	94.0	Ref
					2000	93.9	±1.6
			· · · · · · · · ·		4000	93.6	±1.6
					8000	90.9	+2.1: -3.1

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading.	IEC 61672 Class 1			
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz		Specification, dB		
					31.5	54.8	$-39.4 \pm 2.0$		
25-124.3	dBA SPI		Fast	94	63	68.0	$-26.2 \pm 1.5$		
					125	78.0	-16.1±1.5		
		SPL			250	85.4	-8.6±1.4		
					500	90.8	$-3.2 \pm 1.4$		
							1000	94.0	Ref
					2000	95.1	$+1.2\pm1.6$		
					4000	94.6	$+1.0 \pm 1.6$		
					8000	90.0	-1.1+2.1; -3.1		

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading.	IEC 61672 Class	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz		Specification, dE
25-124.3		C SPL	Fast	94	31.5	91.2	$-3.0\pm 2.0$
					63	93.3	-0.8±1.5
					125	93.9	$-0.2 \pm 1.5$
	IDC				250	94.0	$-0.0 \pm 1.4$
	dBC				500	94.1	$-0.0 \pm 1.4$
					1000	94.0	Ref
					2000	93.7	-0.2 ±1.6
					4000	92.9	-0.8±1.6
					8000	88.1	-3.0 +2.1: -3.1

Certificate No.: APJ22-136-CC001



## (A+A)\*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.10
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.



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Certificate No.: APJ22-136-CC001



## CALIBRATION CERTIFICATE

Product	:	SOUND CALIBRATOR
Туре	:	NC-75
Serial number	:	34724245
Manufacturer	:	RION CO., LTD.
Calibration quantities	:	Sound pressure level (with reference standard microphone)
Calibration method	:	Measured by specified secondary standard microphone
		according to JCSS calibration procedure specified by RION.
Ambient conditions	:	Temperature 23.9 °C, Relative humidity 49 %,
		Static pressure 99.9 kPa
Calibration date	:	05/07/2022 (DD/MM/YYYY)
Calibration location	:	3-20-41 Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan
		RION CO., LTD. Calibration Room

We hereby certify that the results of this calibration were as follows.

Issue date : 11/07/2022 (DD/MM/YYYY)

Junichi Kawamura Manager Quality Assurance Section, Quality Assurance Department, Environmental Instrument Division, RION CO., LTD. 3-20-41 Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan

This certificate is based on article 144 of the Measurement Law and indicates the result of calibration in accordance with measurement standards traceable to Primary Measurement Standards (National Standards) which realizes the physical units of measurement according to the International System of Units (SI).

The accreditation symbol is attestation of which the result of calibration is traceable to Primary Measurement Standards (National Standards).

The certificate shall not be reproduced except in full, without the written approval of the issuing laboratory.

The calibration laboratory who issued this calibration certificate conforms to ISO/IEC 17025:2017.

This calibration certificate was issued by the calibration laboratory accredited by IAJapan who is a signatory to the Mutual Recognition Arrangement (MRA) of International Laboratory Accreditation Cooperation (ILAC) and Asia Pacific Accreditation Cooperation (APAC). This (These) calibration result(s) may be accepted internationally through ILAC/APAC MRA.



Certificate No. D224351E

## CALIBRATION RESULT

1. Sound pressure level (with reference standard microphone)

Measured	Expanded		
value	uncertainty *1		
93.99 dB	0.09 dB		

Specified secondary standard microphone: Type : 4160 Serial number : 2973341 Reference Sound pressure :  $2 \times 10^{-5}$  Pa

\*1 Defines an interval estimated to have a level of confidence of approximately 95 %. Coverage factor k=2

Calibration result is the calibration value in ambient conditions during calibration.

## BE OUT OF JCSS CALIBRATION

1. Frequency

Measured value	Measurement uncertainty (k=2)
1000.0 Hz	$3.9  imes 10^{\cdot 4} \mathrm{Hz}$

Working measurement standard universal counter: Type : 53132A Serial number : MY40005574 (JCSS Calibration Certificate No. 21081499079575510)

### 2. Total distortion

leasured	
value	
0.2 %	
	value

Working measurement standard distortion meter: Type : VA-2230A Serial number : 11076061 (A2LA Calibration Certificate No. 1501-03080)

· closing ·



## Appendix F Event / Action Plan for Noise Exceedance

Event Action	Actions to be taken by Environmental Team as immediate as practicable	Actions to be taken by Independent Environmental Checker as immediate as practicable 1. Review the investigation results	Actions to be taken by Supervising Officer's Representative as immediate as practicable 1. Confirm receipt of notification of	Actions to be taken by Contractor as immediate as practicable 1. Submit noise mitigation
Level being exceeded	2. Carry out investigation;	<ul> <li>submitted by the ET;</li> <li>Review the proposed remedial measures by the Contractor and advise the SO accordingly;</li> <li>Advise the SO on the effectiveness of the proposed remedial</li> </ul>	failure in writing;	<ul> <li>proposals to IEC and SO;</li> <li>Implement noise mitigation proposals. (The above actions should be taken within 2 working days after the exceedance is identified)</li> </ul>
exceeded	<ol> <li>Inform IEC, SO, Contractor and EPD;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency;</li> <li>Identify source and investigate the cause of exceedance;</li> <li>Carry out analysis of Contractor's working procedures;</li> <li>Discuss with the IEC, Contractor and SO on remedial measures required;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and SO informed of the results;</li> <li>If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly. (The above actions should be taken within 2 working days after</li> </ol>	<ol> <li>In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Supervise the implementation of</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC and SO within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Submit further proposal if problem still not under control;</li> <li>Stop the relevant portion of works as instructed by the SO until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>

Appendix G Noise Monitoring Data

Location:	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1 (M1 / N_S1)
Monitoring date:	03, 11, 17, 24 April 2023 (Daytime)
	03&04, 11&12, 17&18, 24&25 April 2023 (Evening & Night time)
Parameter :	Leq 30min (Daytime), Leq 5min (Evening & Night time)
Noise source other than construction activities from the Project:	Nil

Noise Monitoring Data:

Date	Start time		End time	Weather	$\frac{L_{eq\;30min}dB(A)}{L_{eq\;5min}dB(A)}$	Sound Level Meter Used	Calibrator Used	
03 Apr 2023	13:08	-	13:38	Sunny	55.4	SVAN 971 (Serial No. 96062)	Rion NC-75 (No.34724245)	
02 4	19:08	-	19:13		51.4	SVAN 071 (Seriel	Rion NC-75	
03 Apr 2023	20:28	-	20:33	Fine	51.1	SVAN 971 (Serial No. 96062)	(No.34724245)	
2025	21:18	-	21:23		49.5	NO. 90002)	(10.34724243)	
04 Apr	1:23	-	1:28		47.5	SVAN 971 (Serial	Rion NC-75	
04 Apr 2023	3:13	-	3:18	Fine	43.9	No. 96062)	(No.34724245)	
2025	5:23	-	5:28		43.6	NO. 90002)	(10.54724243)	
11 Apr 2023	14:13	-	14:43	Sunny	59.0	SVAN 971 (Serial No. 103449)	Rion NC-75 (No.34724245)	
11 1	19:18	-	19:23		49.1	SVAN 071 (Seriel	Rion NC-75	
11 Apr 2023	20:18	-	20:23	Fine	46.2	SVAN 971 (Serial No. 103449)	(No.34724245)	
2023	21:13	-	21:18		44.5	100.103449)	(10.34724243)	
12 Apr	1:13	-	1:18		44.7	SVAN 971 (Serial	Rion NC-75	
12 Apr 2023	3:13	-	3:18	Fine	44.7	No. 103449)	(No.34724245)	
2023	5:18	-	5:23		45.9	NO. 103449)	· /	
17 Apr 2023	14:04	-	14:34	Sunny	59.1	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724245)	
17	19:24	-	19:29		48.6	$\mathbf{GVAN} = 0.71 (0 + 0.71)$	D' NO 75	
17 Apr 2023	20:14	-	20:19	Fine	48.9	SVAN 971 (Serial	Rion NC-75	
2025	21:19	-	21:24		47.9	No. 96063)	(No.34724245)	
10 1	1:29	-	1:34		46.6	SVAN 971 (Serial	Rion NC-75	
18 Apr 2023	3:14	-	3:19	Cloudy	49.0	No. 96063)	(No.34724245)	
2025	5:24	-	5:29		52.5	NO. 90003)	(10.34724243)	
24 Apr 2023	13:27	-	13:57	Fine	59.0	SVAN 971 (Serial No. 103449)	Rion NC-75 (No.34724245)	
24.4	19:07	-	19:12		48.8	$\mathbf{GVAN} = 0.71 (0 + 0.71)$	Diam NC 75	
24 Apr 2023	20:22	-	20:27	Fine	47.0	SVAN 971 (Serial No. 103449)	Rion NC-75 (No.34724245)	
2023	21:17	-	21:22	]	46.8	110. 103449)	(110.34724243)	
25 1	1:12	-	1:17		48.6	SVAN 071 (Seriel	Rion NC-75	
25 Apr 2023	3:27	-	3:32	Fine	46.1	SVAN 971 (Serial No. 103449)	(No.34724245)	
2023	5:07	-	5:12		46.7	110. 103449)	(110.34724243)	

Location:	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2 (M2 / N_S2)
Monitoring date:	03, 11, 17, 24 April 2023 (Daytime)
	03&04, 11&12, 17&18, 24&25 April 2023 (Evening & Night time)
Parameter :	Leq 30min (Daytime), Leq 5min (Evening & Night time)
Noise source other than construction activities from the Project:	Nil

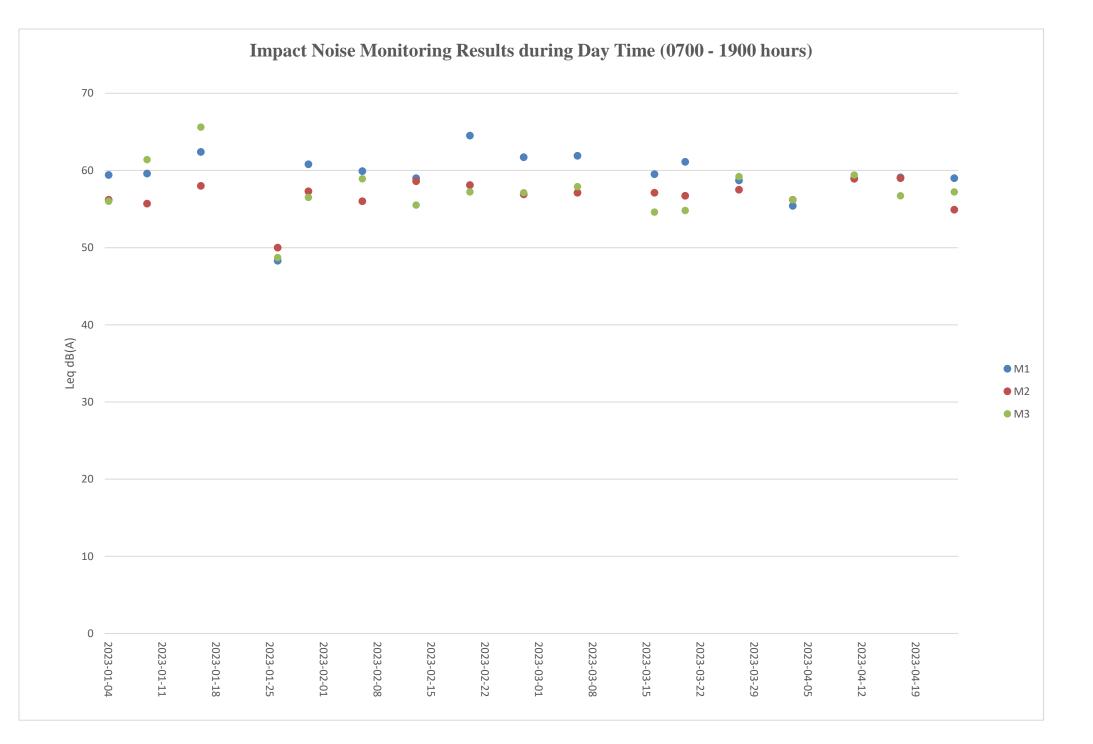
Noise Monitoring Data:

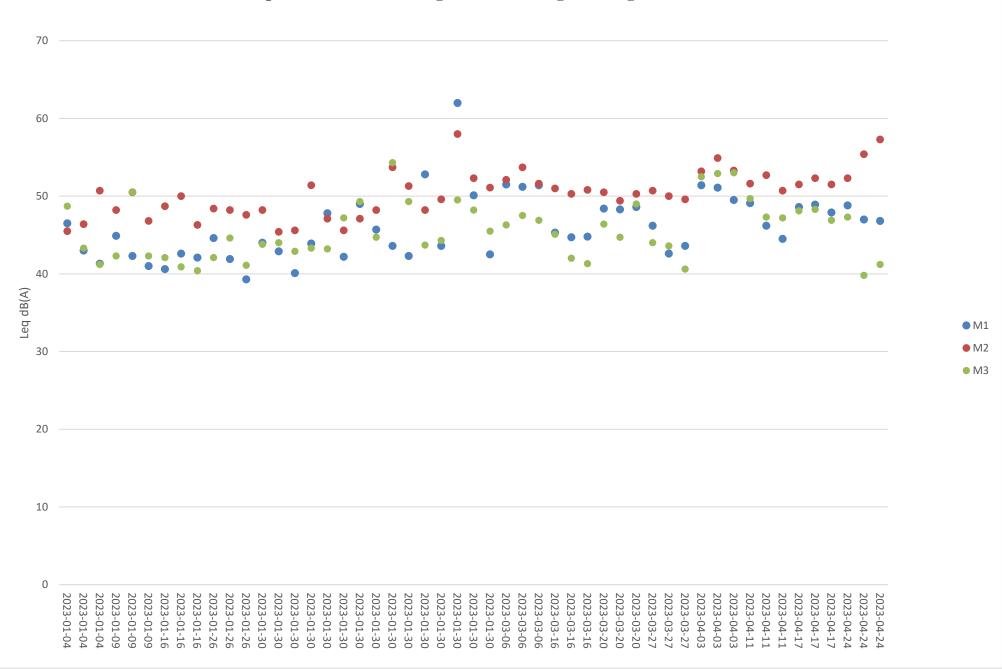
Date	Start time		End time	Weather	$\frac{L_{eq 30min} dB(A)}{L_{eq 5min} dB(A)}$	Sound Level Meter Used	Calibrator Used	
03 Apr 2023	13:16	-	13:46	Sunny	56.2	SVAN 971 (Serial No. 103449)	Rion NC-75 (No.34724245)	
02 1	19:31	-	19:36		53.2	SVAN 071 (Carial	Rion NC-75	
03 Apr 2023	20:21	-	20:26	Fine	54.9	SVAN 971 (Serial No. 103449)	(No.34724245)	
2025	21:11	-	21:16		53.3	100.105449)	(100.54724243)	
04 4 mm	1:16	-	1:21		52.6	SVAN 071 (Seriel	Rion NC-75	
04 Apr 2023	3:16	-	3:21	Fine	50.6	SVAN 971 (Serial No. 103449)	(No.34724245)	
2025	5:26	-	5:31		50.7	NO. 103449)	(10.54724243)	
11 Apr 2023	14:24	-	14:54	Sunny	58.9	SVAN 971 (Serial No. 96062)	Rion NC-75 (No.34724245)	
11 4	19:19	-	19:24		51.6	QUANO71 (Carial	Dian NO 75	
11 Apr 2023	20:19	-	20:24	Fine	52.7	SVAN 971 (Serial	Rion NC-75	
2025	21:14	-	21:19		50.7	No. 96062)	(No.34724245)	
12 4	1:09	-	1:14		50.3	SVAN 071 (Carial	Dian NC 75	
12 Apr 2023	3:14	-	3:19	Fine	49.8	SVAN 971 (Serial No. 96062)	Rion NC-75 (No.34724245)	
2025	5:09	-	5:14		50.4	NO. 90002)		
17 Apr 2023	14:18	-	14:48	Sunny	59.0	SVAN 971 (Serial No. 103449)	Rion NC-75 (No.34724245)	
17 4	19:13	-	19:18		51.5	QUAN 071 (0 1	D: NO 75	
17 Apr	20:13	-	20:18	Fine	52.3	SVAN 971 (Serial	Rion NC-75	
2023	21:18	-	21:23		51.5	No. 103449)	(No.34724245)	
10 4	1:13	-	1:18		50.0	$\mathbf{GVAN} = 0.71 (0 + 0.71)$	D' NO 75	
18 Apr 2023	3:18	-	3:23	Cloudy	50.2	SVAN 971 (Serial No. 103449)	Rion NC-75 (No.34724245)	
2025	5:13	-	5:18	_	51.8	100.105449)	(100.54724243)	
24 Apr 2023	13:14	-	13:44	Fine	54.9	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724245)	
24.4	19:09	-	19:14		52.3		D: NG 75	
24 Apr 2023	20:19	-	20:24	Fine	55.4	SVAN 971 (Serial	Rion NC-75	
2023	21:19	-	21:24		57.3	No. C119577)	(No.34724245)	
25 1	1:09	-	1:14		50.5	QUANO71 (Contral	Dian NC 75	
25 Apr	3:29	-	3:34	Fine	50.7	SVAN 971 (Serial No. C119577)	Rion NC-75	
2023	5:04	-	5:09		50.3	100. C1193//)	(No.34724245)	

Location:	Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3 (M3 / N_S3)
Monitoring date:	03, 11, 17, 24 April 2023 (Daytime)
	03&04, 11&12, 17&18, 24&25 April 2023 (Evening & Night time)
Parameter :	Leq 30min (Daytime), Leq 5min (Evening & Night time)
Noise source other than construction activities from the Project:	Air-conditioner

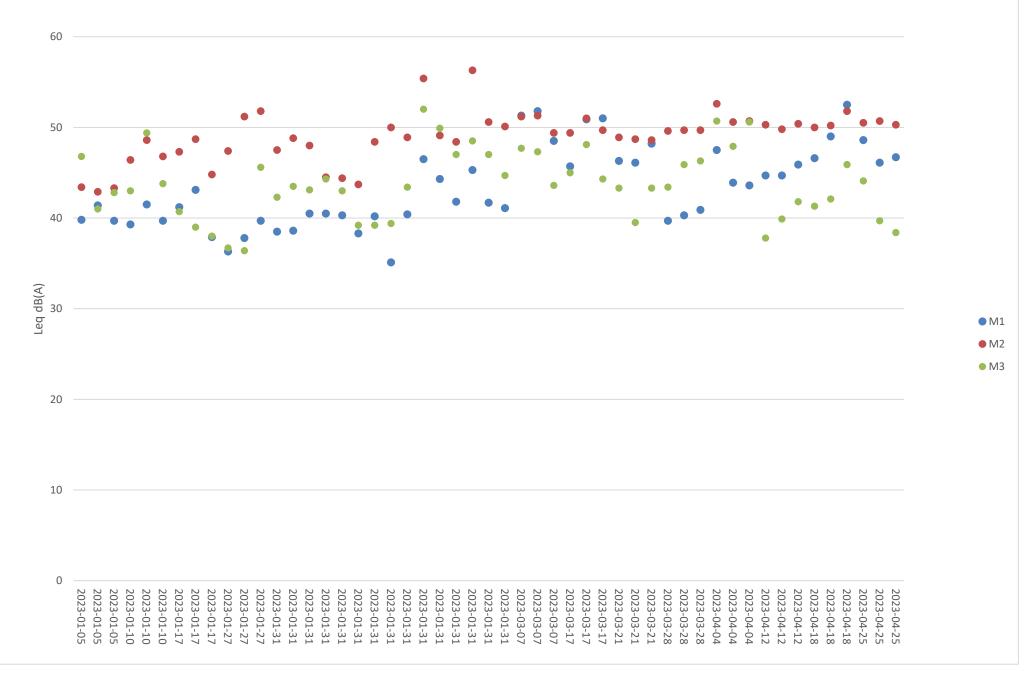
Noise Monitoring data:

Date	Start time		End time	Weather	$\frac{L_{eq 30min} dB(A)}{L_{eq 5min} dB(A)}$	Sound Level Meter Used	Calibrator Used	
03 Apr 2023	13:16	-	13:46	Sunny	56.2	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724245)	
02 4	19:11	-	19:16		52.5		D' NO 75	
03 Apr 2023	20:16	-	20:21	Fine	52.9	SVAN 971 (Serial	Rion NC-75 (No.34724245)	
2025	21:21	-	21:26		53.0	No. 96063)	(1N0.34/24243)	
04 4	1:16	-	1:21		50.7	SVAN 071 (Seriel	Rion NC-75	
04 Apr 2023	3:16	-	3:21	Fine	47.9	SVAN 971 (Serial No. 96063)	(No.34724245)	
2025	5:16	-	5:21		50.6	NO. 90005)	(100.54724243)	
11 Apr 2023	14:06	-	14:36	Sunny	59.4	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724245)	
11 4	19:06	-	19:11		49.7	QUANO71 (Carial	Dian NO 75	
11 Apr 2023	20:06	-	20:11	Fine	47.3	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724245)	
2025	21:11	-	21:16		47.2	NO. 90005)	(1N0.54/24243)	
12 4 mm	1:11	-	1:16		37.8	SVAN 071 (Seriel	Rion NC-75	
12 Apr 2023	3:26	-	3:31	Fine	39.9	SVAN 971 (Serial No. 96063)	(No.34724245)	
2025	5:16	-	5:21		41.8	NO. 90003)		
17 Apr 2023	14:00	-	14:30	Sunny	56.7	SVAN 971 (Serial No. 96062)	Rion NC-75 (No.34724245)	
17 4	19:10	-	19:15		48.1		D: NO 75	
17 Apr	20:10	-	20:15	Fine	48.3	SVAN 971 (Serial	Rion NC-75	
2023	21:10	-	21:15		46.9	No. 96062)	(No.34724245)	
10 4	1:05	-	1:10		41.3		D' NO 75	
18 Apr 2023	3:10	-	3:15	Cloudy	42.1	SVAN 971 (Serial No. 96062)	Rion NC-75	
2025	5:20	-	5:25		45.9	NO. 90002)	(No.34724245)	
24 Apr 2023	13:27	-	13:57	Fine	57.2	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724245)	
24.4	19:12	-	19:17		47.3		D: NG 75	
24 Apr 2023	20:27	-	20:32	Fine	39.8	SVAN 971 (Serial	Rion NC-75	
2023	21:17	-	21:22		41.2	No. 96063)	(No.34724245)	
25 1	1:07	-	1:12		44.1	QUANO71 (Contra	Dian NC 75	
25 Apr 2023	3:27	-	3:32	Fine	39.7	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724245)	
2023	5:02	-	5:07		38.4	110. 90003)	(1N0.34/24243)	





### Additional Impact Noise Monitoring Results during Evening Time (1900 - 2300 hours)



## Additional Impact Noise Monitoring Results during Night Time (2300 - 0700 hours)

Appendix H Waste Flow Table



Monthly Summary Waste Flow Table for \_\_\_\_\_

<u>2018 (year)</u>

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

	Actual Quantities of Inert C&D Materials Generated Monthly										Actual Quantities of C&D Wastes Generated Monthly				
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Reused in other Projects	Disposed as Public Fill (see Note 4)	Imported Fill Sand (see Note 4)	Imported Fill Public fill (see Note 4)	Imported Fill Rock (see Note 4)	Metals (see Note 5)	Paper/ cardboard packaging (see Note 5)	Plastics (see Note 2, 5)	Chemica	l Waste	Others, e.g. general refuse (see Note 3)	
	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup>	(in ,000m <sup>3</sup> )	(i	$(n,000m^3)$		(in ,000 kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	(in ,000 m <sup>3</sup> )	
Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sub-total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0065	
Sep	0	0	0	0	0	2.9619	0	0	0	0	0	0	0	0	
Oct	0	0	0	0	0	3.0771	0	0	0	0	0	0	0	0.0130	
Nov	0	0	0	0	0	6.7871	0	0	0	0	0	0	0	0	
Dec	0	0	0	0	0	59.0709	0	0	0	0	0	0.2000	0.8700	0	
Total	0	0	0	0	0	71.8970	0	0	0	0	0	0.2000	0.8700	0.0195	

Notes:

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ 

(5) Materials recycled.



Monthly Summary Waste Flow Table for



2019

(year)

Project : In	ntegrated W	aste Manag	gement Faci	lities, Phas	e 1		Contract No.: EP/SP/66/12							
		Actual	Quantities of	Inert C&D	Materials Gei	nerated Mon	thly			Actual	Quantities of	C&D Wastes	Generated M	onthly
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Reused in other Projects	Public Fill (see Note 4)	Imported Fill Sand (see Note 4)	Fill Public fill (see Note 4)	,	Metals (see Note 5)	Paper/ cardboard packaging (see Note 5)	Plastics (see Note 2, 5)	Chemical Waste		Others, e.g. general refuse (see Note 3)
	(in ,000m <sup>3</sup> )	$(in,000m^3)$	$(in,000m^3)$	(in ,000m <sup>3</sup>	(in ,000m <sup>3</sup> )	(1	in ,000m <sup>3</sup> )	1	(in ,000 kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	$(in,000 m^3)$
Jan	0	0	0	0	0	82.6139	0	0	0	0	0	0	0	0.0065
Feb	0	0	0	0	0	46.7821	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	97.1000	0	0.7552	0	0.2560	0	0	0	0
Apr	0	0	0	0	0	58.0413	0	0	0	0	0	0	0	0
May	0	0	0	0	0	14.5625	0	1.4648	0	0	0	0	0	0.0065
Jun	0	0	0	0	0	0	0	6.8421	0	0	0	0	0	0
Sub-total	0	0	0	0	0	299.0998	0	9.0621	0	0.2560	0	0	0	0.0130
Jul	0	0	0	0	0	0	0	0.4289	0	0	0	0	8.4000	0.0130
Aug	0	0	0	0	0	2.5775	0	10.5600	0	0	0	0	0	0
Sep	0	0	0	0	0	6.1081	0	8.4704	0	0.3530	0	0	0	0.0065
Oct	0	0	0	0	0	9.8875	0	7.1900	0	0	0	0	0	0
Nov	0	0	0	0	0	38.3088	0	19.3105	0	0	0	0	0	0.0195
Dec	0	0	0	0	0	54.3469	0	26.9807	0	0	0	0	0	0.0910
Total	0	0	0	0	0	410.3286	0	82.0026	0	0.6090	0	0	8.4000	0.1430

Broken concrete for recycling into aggregates. Notes: (1)

Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials. (2)

Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume. (3)

Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ (4)

(5) Materials recycled.



Monthly Summary Waste Flow Table for \_\_\_\_\_



2020

(year)

Project : Integrated Waste Management Facilities, Phase 1 Contract No.: EP/SP/66/12 Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Monthly Imported Imported Imported Hard Rock Paper/ Fill Fill Fill and Large Reused in Disposed as Others, e.g. general Metals cardboard Total Reused in Plastics Month Broken Public Rock Sand Public Fill refuse packaging Chemical Waste the other (see Note (see Note 2, Quantity Concrete fill (see Note (see Note (see Note Generated Contract Projects 5) 5) (see Note 4) (see Note 3) (see Note 4) (see Note 4) 5) 1) 4)  $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$  $(in, 000m^3)$  $(in, 000m^3)$ (in ,000kg) (in ,000kg) (in ,000 kg) (in ,000kg) (in ,000L)  $(in, 000 \text{ m}^3)$ 0 0 0 0 0 37.1550 25.0812 0 0 0 0 0 0.0065 Jan 0 27.7910 Feb 0 0 0 0 0 0 18.8300 0 0 0 0 0 0.0065 0 0 0 0 0 22.5669 0 26.1586 0 0 0 0 7.2000 0.0065 Mar 0 0 0 0 0 0 0 0 0 12.7800 0 10.1825 0 0.0195 Apr 0 0 0 0 0 16.1138 0 24.3740 0 0.4220 0 0 0 0.0195 May 0 0 0 0 0 31.5177 0 28.3030 0 0 0 0 0 0.0065 Jun 0 0 Sub-total 0 0 0 0 0 147.9244 132.9293 0 0.4220 0 7.2000 0.0650 0 0 0 0 0 0 34.7856 17.0606 35.1800 0 0 0 0 0.0195 Jul 65.5667 0 0 0 0 0 27.1375 27.9335 0 0 0 0 0 0 Aug 110.1328 43.5435 Sep 0 0 0 0 0 11.9813 0 0 0 0 0 0.0195 0 0 0 0 0 2.8213 131.6600 22.5415 0 0 0 0 0 0.0130 Oct 0 0 0 0 0 Nov 0 0 162.1811 44.6475 0.4090 0 0 0.4000 0.0130 174.9800 57.8380 0 0 0 Dec 0 0 0 0 0 0 0 0 0.0130 0 0 224.6501 661.5812 364.6133 0 0 0 0 0.8310 0 0 7.6000 Total 0.1430

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ 

(5) Materials recycled.

Notes:



Monthly Summary Waste Flow Table for \_\_\_\_\_

<u>2021 (year)</u>

Project : Integrated Waste Management Facilities, Phase 1 Contract No.: EP/SP/66/12 Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Monthly Hard Rock Imported Imported Imported Paper/ and Large Fill Fill Fill Reused in Disposed as Metals Others, e.g. general Total Reused in cardboard Plastics Month Broken Public fill Sand Rock refuse Public Fill packaging Chemical Waste Quantity the other (see Note (see Note 2, Concrete (see Note (see Note (see Note (see Note 5) 5) Generated Contract Projects (see Note 4) (see Note 3) (see Note 4) 4) 4) 5) 1)  $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$   $(in,000m^3)$  $(in,000m^3)$ (in ,000 kg) (in ,000kg) (in ,000kg) (in ,000kg)  $(in,000 \text{ m}^3)$ (in .000L) 0 0 0 0 0 0 198.1311 0 0 0 0 0 36.4775 0.0065 Jan 0 0 0 0 0 0 0 0 0 0 0 Feb 143.9511 20.9960 0.6305 0 0 0 0 0 0 103.1833 23.4510 0 0 0 0 0 0.0130 Mar 0 0 0 0 0 0 161.2956 0 Apr 27.2810 0 0 0 0 0.0130 0 0 0 0 0 0 0 0 0 193.3300 0 0 0.0715 May 20.5265 0 0 0 0 0 23.7825 0 0 0 0 141.5728 0 0.2440 0.0455 Jun 0 0 0 0 0 0 941.4639 152.5145 0 0.2440 0 0 0 0.7800 Sub-total 0 0 0 0 0 0 105.1083 30.6065 0 0 0 0 0 0.0195 Jul 0 0 0 0 0 0 0 11.1822 7.5180 0 0 0 0 0.0130 Aug 0 0 0 Sep 0 0 0 0 5.7575 0 0 0 0 0.6000 0.0390 0 0 0 0 0 0 0 0 0 0 0 0 6.8885 0 Oct 0 0 0 0 0 0 0 0 6.2975 0 0.1610 0 0 0.0130 Nov Dec 0 0 0 0 0 0 0 5.9235 0 0 0 0 0 0 0 0 0 Total 0 0 0 1057.7544 215.5060 0 0.4050 0 0 0.6000 0.8645

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ .

(5) Materials recycled.

Notes:



Monthly Summary Waste Flow Table for



2022

(year)

Project : In	ntegrated W	aste Manag	gement Faci	ilities, Phas	e 1		Contract No.: EP/SP/66/12							
		Actual	Quantities of	of Inert C&E	O Materials Ge	enerated Mo	nthly		Actual Quantities of C&D Wastes Generated Monthly					
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Reused in other Projects (see Note 4)	Disposed as Public Fill (see Note 4)	Imported Fill Sand (see Note 4)	Imported Fill Public fill (see Note 4)	Imported Fill Rock (see Note 4)	Metals (see Note 5)	Paper/ cardboard packaging (see Note 5)	Plastics (see Note 2, 5)	Chemica	l Waste	Others, e.g. general refuse (see Note 3)
	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup>	$(in,000m^3)$		$(in,000m^3)$	T	(in ,000 kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	(in ,000 m <sup>3</sup> )
Jan	0	0	0	0	0	0	4.9389	2.7070	0	0.1550	0	0	0	0.0715
Feb	0	0	0	0	0	0	3.2478	4.0290	0	0	0	0.4000	0.2250	0
Mar	0	0	0	0	0	0	2.3422	2.7820	0	0	0	0	0	0.0780
Apr	0	0	0	0	0	0	18.2189	5.8100	0	0.3120	0	0	0	0.1495
May	0.0648	0	0	0	0.0648	0	16.7711	17.2320	0	0	0	0	0	0.0975
Jun	0.0037	0	0	0	0.0037	0.2115	1.1128	14.1470	36.3000	0.3890	0	0	1.7250	0.0975
Sub-total	0.0685	0	0	0	0.0685	0.2115	46.6317	46.7070	36.3000	0.8560	0	0.4000	1.9500	0.4940
Jul	25.7183	0	0	25.7183	0	0.1125	0.8333	17.5210	0	0.6400	0.0060	0	0	0.1235
Aug	13.2494	0	0	13.2494	0	0	0	24.5210	76.0300	1.8870	0	0	0	0.1170
Sep	24.9072	0	0	24.8494	0.0578	0	0	16.2815	72.0600	0.3060	0	0	0	0.1885
Oct	13.3139	0	0	13.3006	0.0133	0	0	11.8665	78.1000	0.5800	0	0	0	0.2405
Nov	26.5583	0	0	26.5583	0	0	0	7.2055	0	0	0	0	0	0.1105
Dec	29.1411	0	0	29.1411	0	0	0	3.5174	0	0	0	0	0	0.2535
Total	132.9567	0	0	132.8171	0.1396	0.3240	47.4650	127.6199	262.4900	4.2690	0.0060	0.4000	1.9500	1.5275

(1) Broken concrete for recycling into aggregates.

(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to  $6.5m^3$  by volume.

(4) Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ .

(5) Materials recycled.

Notes:



Monthly Summary Waste Flow Table for



2023

(year)

Project : Ir	ntegrated W	aste Manag	gement Faci	lities, Phas	e 1		Contract No.: EP/SP/66/12							
		Actual	Quantities of	of Inert C&D	Materials Ge	enerated Mo	nthly		Actual Quantities of C&D Wastes Generated Monthly					lonthly
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Projects	Disposed as Public Fill (see Note 4)	Imported Fill Sand (see Note 4)	Imported Fill Public fill (see Note 4)	Imported Fill Rock (see Note 4)	Metals (see Note 5)	Paper/ cardboard packaging (see Note 5)	Plastics (see Note 2, 5)	Chemica	l Waste	Others, e.g. general refuse (see Note 3)
	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup> )	(in ,000m <sup>3</sup>	(in ,000m <sup>3</sup> )		$(in,000m^3)$	1	(in ,000 kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	(in ,000 m <sup>3</sup> )
Jan	24.6728	0	0	24.6728	0	0	0	1.3545	0	0.3150	0	0	0	0.1365
Feb	26.7206	0	0	26.7206	0	0	0	1.8990	11.1501	0	0.0007	0	0	0.1235
Mar	22.1089	0	0	22.1089	0	0	0	0.9025	0	0	0	0	0	0.1105
Apr	36.0011	0	0	36.0011	0	0	0	0	0	0.2150	0	0	0	0.1365
May														
Jun														
Sub-total	109.5034	0	0	109.5034	0	0	0	4.1560	11.1501	0.5300	0.0007	0	0	0.5070
Jul														
Aug														
Sep														
Oct														
Nov														
Dec														
Total	109.5034	0	0	109.5034	0	0	0	4.1560	11.1501	0.5300	0.0007	0	0	0.5070

Broken concrete for recycling into aggregates. (1)

Notes:

Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials. (2)

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to 6.5m<sup>3</sup> by volume.

Use the conversion factor: sand density =  $1.6T/m^3$ , public fill density =  $1.8T/m^3$  and rock density =  $2T/m^3$ . (4)

Materials recycled. (5)

# Appendix I Event / Action Plan for Coral Monitoring

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1

Keppel Seghers – Zhen Hua Joint Venture

Event		Actio	n	
_	ET Leader II	EC S	o c	ontractor
Exceedance	2. Inform the IEC, SO ,and	Discuss monitoring with the 1. ET and the Contractor; Review proposals for additional monitoring and any other measures submitted by the Contractor 2. and advise the SO accordingly.	Discuss with the IEC 1. additional monitoring requirements and any other measures proposed by the 2. ET; Make the agreement on the measures to be 3. implemented.	notification of the non-compliance in writing; Discuss with the ET and the IEC and propose measures to the IEC and the SO;
Limit Level <sup>1</sup> Exceedance	<ol> <li>Undertake Steps 1-4 as in 1. the Action Level Exceedance. If further 2. exceedance of Limit Level, propose enhancement measures for consideration.</li> </ol>	Discuss monitoring with the 1. ET and the Contractor; Review proposals for additional monitoring and any other measures submitted by the Contractor 2. and advise the SO accordingly.	Discuss with the IEC 1. additional monitoring requirements and any other measures proposed by the 2. ET; Make the agreement on the measures to be 3. implemented.	notification of the non-compliance in writing; Discuss with the ET and the IEC and propose measures to the IEC and the SO;

Appendix J Event / Action Plan for White-Bellied Sea Eagle

Event		Action	
	Environmental	Audit Team	Contractor
	Team		
Absence of White-bellied Sea Eagle during a whole day of monitoring.	Inform audit team. Increase monitoring frequency to daily.	<ul> <li>Inform site engineer and contractor.</li> <li>If the absence remains: <ul> <li>Review construction activities and noise monitoring records of the associated period;</li> <li>Identify potential causes of the absence;</li> <li>Propose remedial measures, such as change of construction method and sequence;</li> <li>Confirm the feasibility of the proposed remedial measures with site engineer and contractor;</li> <li>Discuss with environmental team about the effectiveness of the proposed remedial measures.</li> </ul> </li> </ul>	Implement the agreed remedial measures.

Appendix K Exceedance Report

Integrated Waste Management Facilities, Phase 1

Noise (Day Time)					
Location	Action Level	Limit Level	Total		
M1	0	0	0		
M2	0	0	0		
M3	0	0	0		
	Noise (Evening Time)				
Location	Action Level	Limit Level	Total		
M1	0	0	0		
M2	0	0	0		
M3	0	0	0		
	Noise (N	Night Time)			
Location	Action Level	Limit Level	Total		
M1	0	0	0		
M2	0	0	0		
M3	0	0	0		

## Statistical Summary of Exceedances in the Reporting Period

Appendix L Complaint Log

Integrated Waste Management Facilities, Phase 1

### Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics		
	Frequency	Cumulative	Complaint Nature
01 Apr 2023- 30 Apr 2023	0	1	N/A

#### Statistical Summary of Environmental Summons

Reporting	<b>Environmental Summons Statistics</b>		
Period	Frequency	Cumulative	Details
01 Apr 2023-	0	0	N/A
30 Apr 2023	0	0	

#### Statistical Summary of Environmental Prosecution

Reporting	Environmental Prosecution Statistics		
Period	Frequency	Cumulative	Details
01 Apr 2023-	0	0	N/A
30 Apr 2023	0	0	IN/A

# Appendix P Impact Monitoring Schedule of Next Reporting Month

	Impact Monitoring Schedule for IWMF				
			Мау-23		
Sun	Mon	Тие	Wed	Thu	Fri
	1	2	3	4	5
			Impact Daytime & Evening Noise monitoring for M1, M2 & M3	Impact Night time Noise monitoring for M1, M2 & M3	
			Daytime & Evening Noise monitoring for Wit, Wiz & Wis	Night time Noise monitoring for M1, M2 & M5	
7	8	9	10	11	12
		Impact Daytime & Evening Noise monitoring for M1, M2 & M3	Impact Night time Noise monitoring for M1, M2 & M3		
		buyane a evening robe nonitoring for the, the a his	ingit and tobe notice ing for may the other		
14	15	16	17	18	10
14	Impact	Impact			15
	Daytime & Evening Noise monitoring for M1, M2 & M3	Night time Noise monitoring for M1, M2 & M3	Impact Monitoring Ecology monitoring for WBSE		
21	22	23	24	25	26
	Impact	Impact		Impact Monitoring	
	Daytime & Evening Noise monitoring for M1, M2 & M3	Night time Noise monitoring for M1, M2 & M3			
28			31		
	Impact	Impact			
	Daytime & Evening Noise monitoring for M1, M2 & M3	Night time Noise monitoring for M1, M2 & M3 Ecology monitoring for WBSE			
		Ecology monitoring for WBSE			
					1

Remarks: 1. Daytime Noise Monitoring (07:00-1900), Evening Time Noise Monitoring (1900-2300), Night Time Noise Monitoring (2300-0700) 2. Water Quality Monitoring for \$1,5,2 and 53 will only conduct during DCM works, refer to Detailed DCM Plan 3. No marine construction work is tentatively scheduled to be carried out in May 2023

