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

Monthly EM&A Report No.91
(Period from 1 January to 31 January 2026)

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

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Revision History

Rev.	DESCRIPTION OF MODIFICATION	DATE
A	First Submission	13 February 2026

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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 91st 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 January to 31 January 2026.

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:
  - Superstructure construction;
  - Waste reception for Testing and Commissioning (T&C);
  - T&C on Incineration for Trains 1 – 2; and
  - T&C for Process Equipment for Trains 3 – 6.
- Seawall Portion:
  - 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, WBSE and coral was recorded in the reporting month.

A8. Weekly site inspections of the construction work by ET were carried out on 6, 13, 20 and 27 January 2026 to audit the mitigation measures implementation status. Monthly joint site inspection was carried out on 13 January 2026 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. As confirmed with Contractor, no marine construction work is scheduled from December 2024 to June 2025 tentatively. An updated EM&A arrangement for temporary suspension of water quality and line-transect monitoring from February to June 2025 was submitted to EPD on 13 December 2024. EPD advised no objection on the suspension on 25 February 2025. The water quality and line-transect monitoring were then temporarily suspended from 25 February 2025 onward. In light of the absence of marine construction works as specified in the Environmental Impact Assessment (EIA) report (AEIAR 163/2012) and the Updated EM&A manual in January 2026, it was determined that the suspension of water quality monitoring shall remain in effect. Furthermore, given that only land-based construction works were undertaken in January 2026, all conditions and remarks outlined in the updated EM&A arrangement shall continue to be applicable. 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.

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:
  - Superstructure construction;
  - Waste reception for T&C;

- T&C on Incineration for Trains 1 – 2; and
- T&C for Process Equipment for Trains 3 – 6.

- Seawall Portion:
  - 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; and
- Site runoff control measure during construction 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.

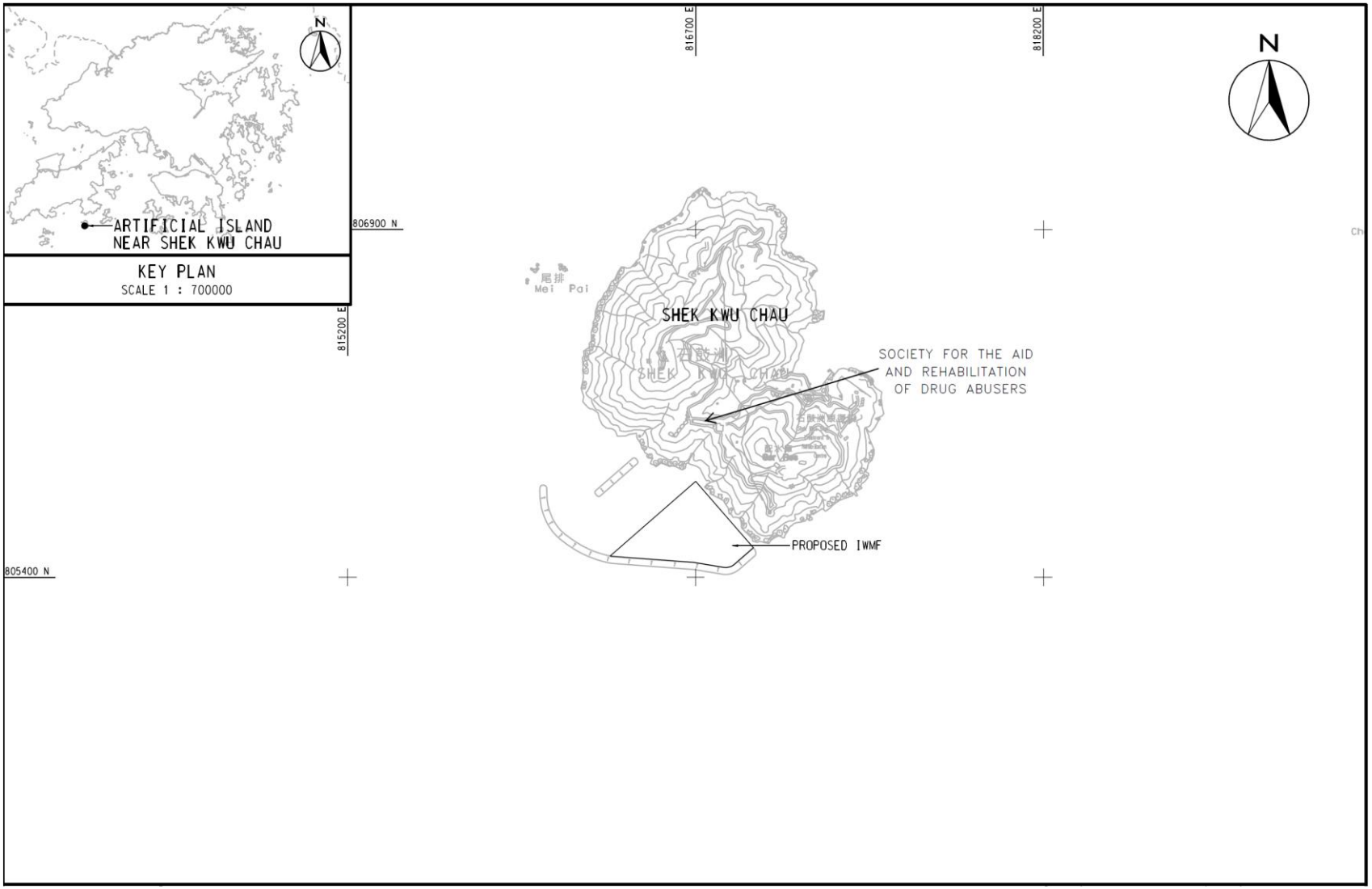


Figure 1.1 Location of the IWMF at the Artificial Island near SKC

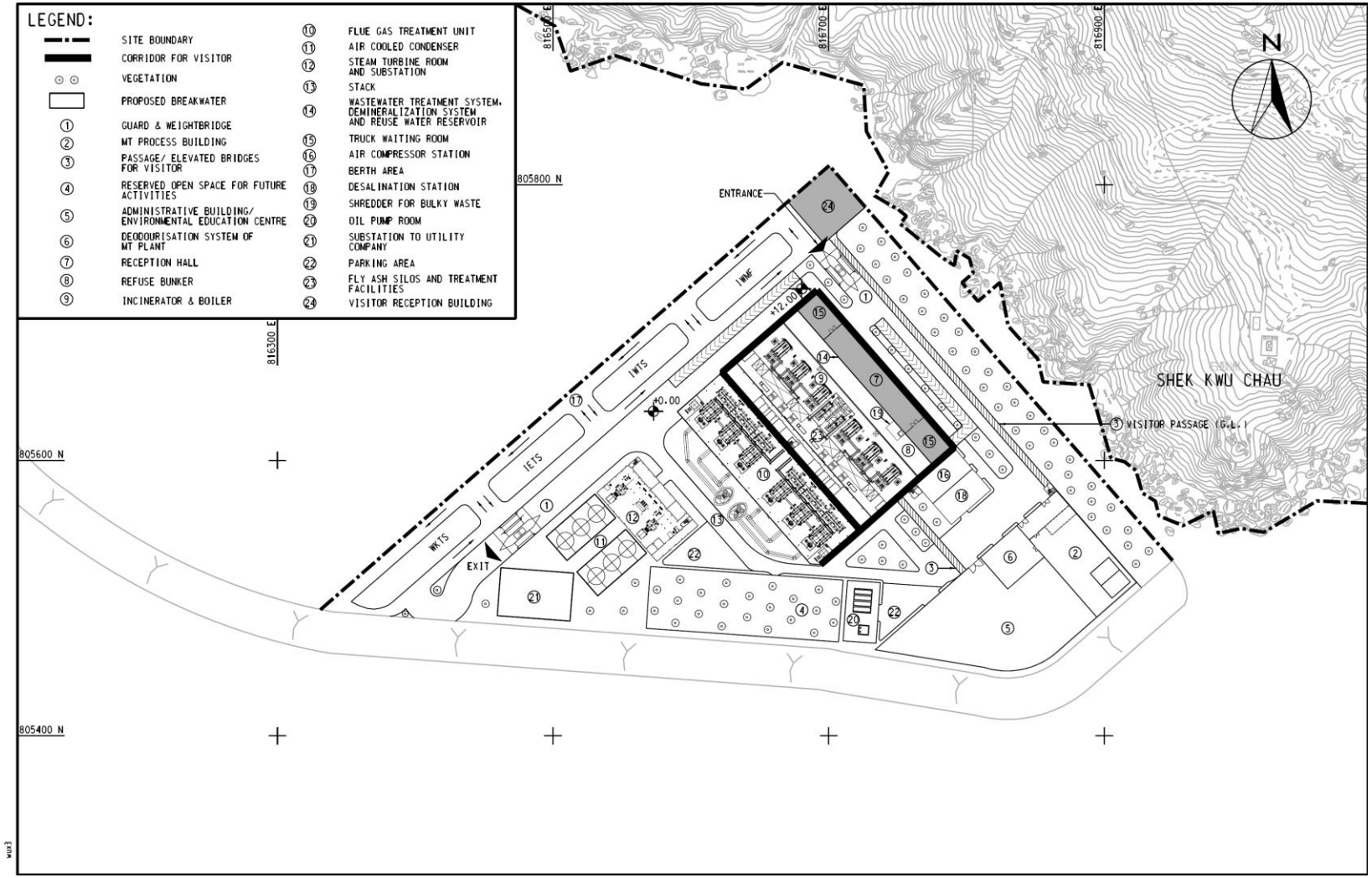


Figure 1.2 General Layout of the IWMF at the Artificial Island near SKC

1.2 The Reporting Scope

1.2.1 This is the 91st Monthly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 January 2026 to 31 January 2026.

1.3 Project Organization

1.3.1 The Project Organization structure for Construction Phase is presented in **Figure 1.3**.

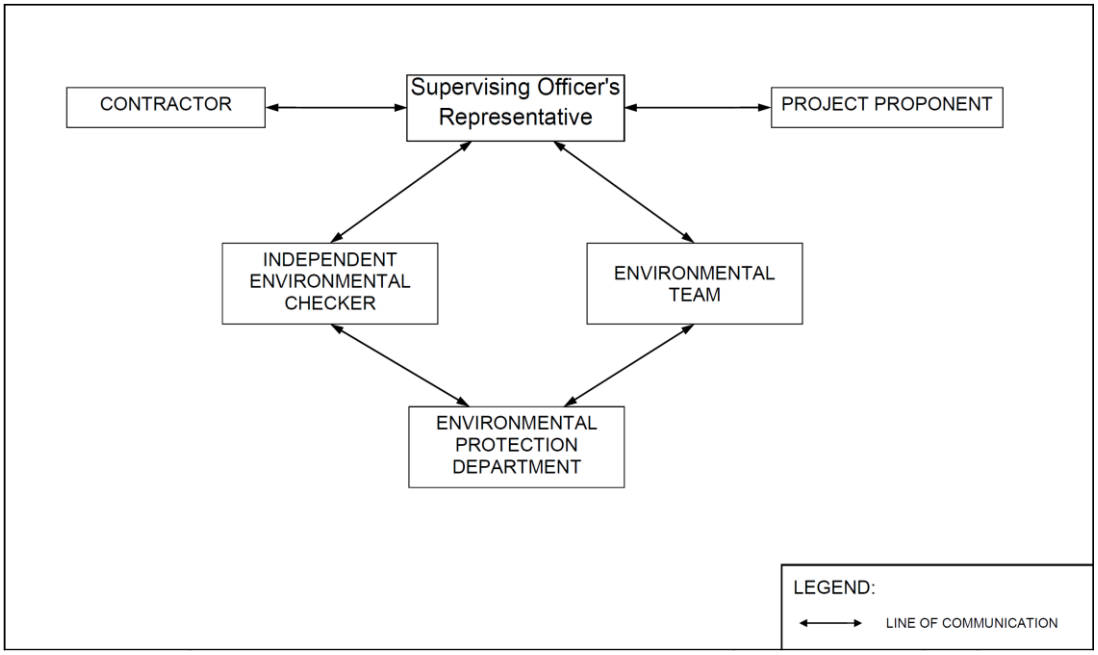


Figure 1.3 Project Organization Chart

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	• Superstructure construction • Waste reception for T&C • T&C on Incineration for Trains 1 – 2 • T&C for Process Equipment for Trains 3 – 6	• On-going
Seawall portion	• Construction of wave wall along the vertical seawall above +3mPD	• On-going

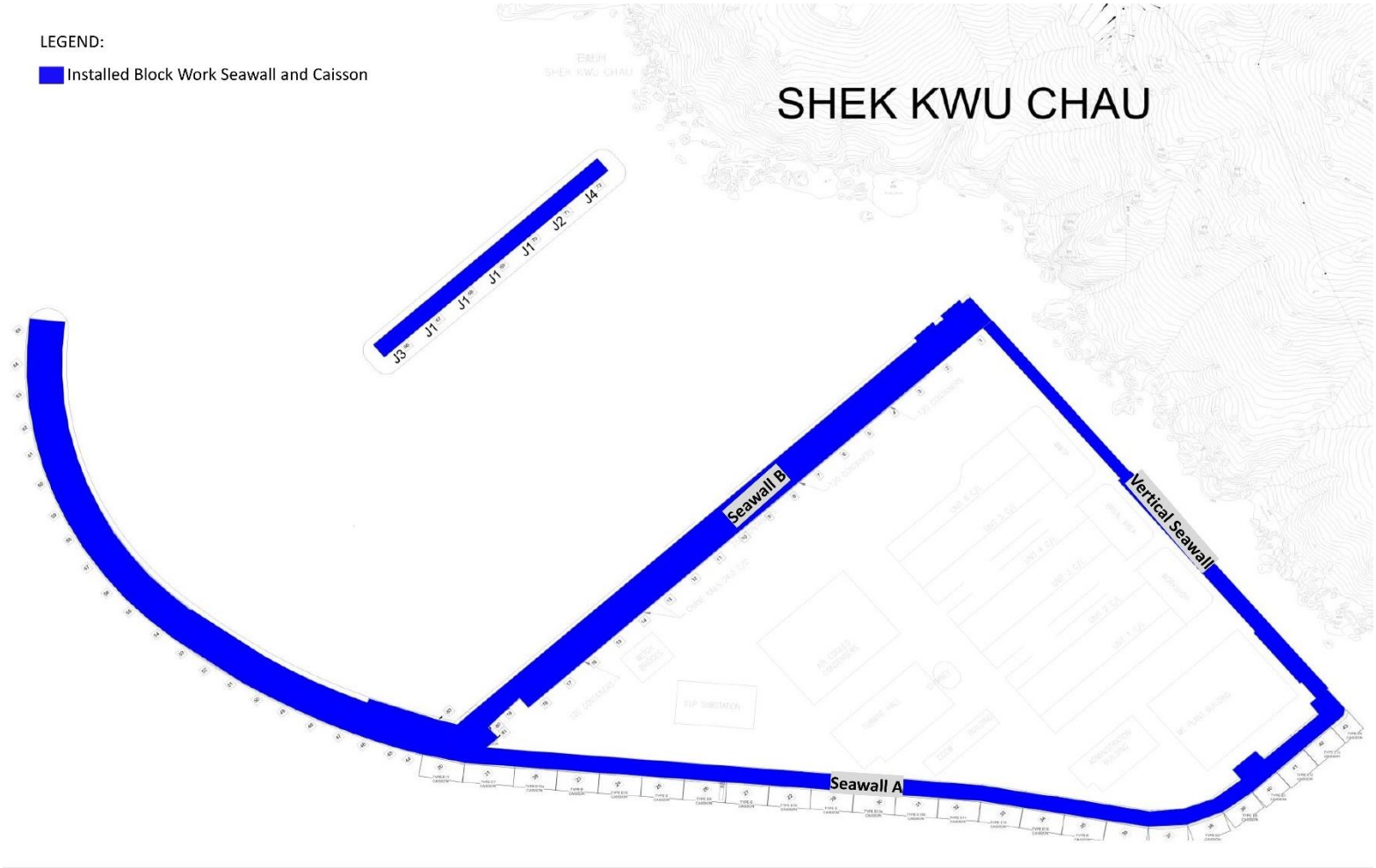


Figure 1.4 Location of Major Construction Activities Undertaken during the Reporting Month

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/ Notification	Reference	Validity Period	Remarks
Variation of Environmental Permit	EP-429/2012/A	Throughout the Contract	
Further Environmental Permit	FEP-01/429/2012/A	Throughout the Contract	
Notification of Construction Works under the Air Pollution Control (Construction Dust) Regulation (Form NA)	Ref No.: 10009615	30/09/2024 – 31/08/2026	
Wastewater Discharge Licence	WT00039438-2021	15/02/2022 – 28/02/2027	
Chemical Waste Producer Registration	WPN0017-933-K3301-01	Throughout the Contract	The revised registration form was issued by EPD on 14 April 2025, the original registration form issued on 3 January 2018 was cancelled
	WPN5213-961-K3301-02	Throughout the Contract	
	WPN5296-839-K3301-03	Throughout the Contract	
Construction Noise Permit (24 hours)	GW-RS0802-25	07/08/2025-06/02/2026	Portion 1, 1A & 1B
Billing Account for Disposal of Construction Waste	A/C No.:7029768	Throughout the Contract	

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

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

Parameters	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	As confirmed with Contractor, no marine construction work is scheduled from December 2024 to June 2025 tentatively. An updated EM&A arrangement for temporary suspension of water quality and line-transect monitoring from February to June 2025 was submitted to EPD on 13 December 2024. EPD advised no objection on the suspension on 25 February 2025. The water quality and line-transect monitoring were then temporarily suspended from 25 February 2025 onward. In light of the absence of marine construction works as specified in the Environmental Impact Assessment (EIA) report (AEIAR 163/2012) and the Updated EM&A manual in January 2026, it was determined that the suspension of water quality monitoring shall remain in effect. Furthermore, given that only land-based construction works were undertaken in January 2026, all conditions and remarks outlined in the updated EM&A arrangement shall continue to be applicable. 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
Operational Phase Baseline Water Quality Monitoring	Operational phase baseline water quality monitoring was conducted at all designated monitoring stations—C3, C4, Z1, Z2, and Z3—three days per week, during mid-flood and mid-ebb tides, for a minimum duration of four weeks preceding the commencement of brine water discharge within the reporting period in accordance with the Updated EM&A Manual. The baseline water quality monitoring at the designated stations was carried out between 18 August 2025 and 12 September 2025. Comprehensive monitoring results were compiled and presented in the Operational Phase Baseline Water Quality Monitoring Report

Parameters	Status
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-tagging	Re-tagging at Indirect Impact Site was conducted on 23 November and Re-tagging at Control Site was conducted on 3 December 2018
Post Re-tagging Coral Monitoring	On-going
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 25 February 2025, 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 February 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	Since incubation activity was observed during the impact monitoring event on 17 December 2025, the frequency of impact monitoring was changed to weekly basis.
Environmental Audit	
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	Installation of caisson No.19 was completed on 18 March 2021, which the reclamation area had been totally enclosed by

Parameters	Status
Plan (MMWP)	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 Impact Water Quality Monitoring during Construction Phase

2.1.1 Water Quality Requirements

2.1.1.1 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.

2.1.1.2 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.

2.1.2 Water Quality Parameters, Time, Frequency

2.1.2.1 Dissolved Oxygen (DO), Turbidity, Suspended Solids (SS), Salinity and pH have been undertaken at the eleven monitoring stations during general water quality monitoring.

2.1.2.2 DO, temperature, salinity, turbidity and pH have been measured in-situ and the SS, has been assayed in a HOKLAS laboratory.

2.1.2.3 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**.

2.1.2.4 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.

2.1.2.5 **Table 2.1** summarizes the monitoring parameters, frequency and duration of the impact water quality monitoring during construction phase.

Table 2.1 Water Quality Monitoring Parameters, Frequency and Duration

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

2.1.3 Water Quality Monitoring Locations

2.1.3.1 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.

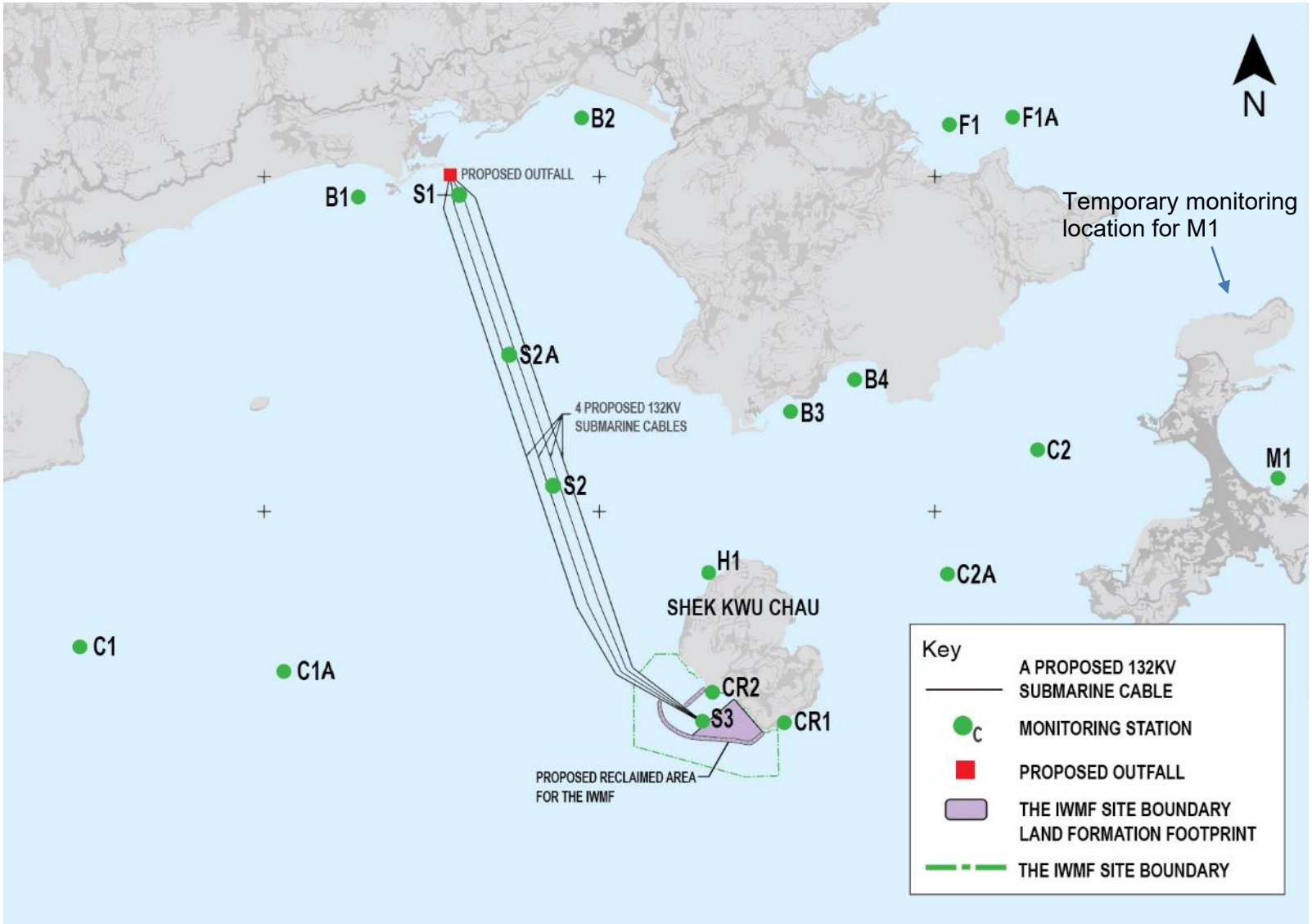


Figure 2.1 Water monitoring locations at Artificial Island near SKC

2.1.3.2 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.

2.1.3.3 Fourteen monitoring stations are listed in **Table 2.2**.

Table 2.2 Locations of Marine Water Quality Stations

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
S3	Submarine Cable Landing Site	816420	805621
CR1	Coral	817144	805597
CR2	Coral	816512	805882
M1	Tung Wan	821572	807799

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

2.1.4 Impact Monitoring Methodology

2.1.4.1 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.

2.1.4.2 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.

2.1.4.3 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

2.1.4.4 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/Water_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**

Table 2.3 Parameters Measured by In-situ Measurement

Parameter	Resolution	Range
Temperature	0.1 ºC	-5-70 ºC
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	±1º	±2º

Laboratory Analysis

2.1.4.5 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 method	Detection Level
Suspended Solids, SS	APHA 2540 D[i]	1 mg/L

Footnote:
i. "APHA 2540 D" stands for American Public Health Association Standard Methods for the Examination of Water and Wastewater, 23rd Edition.

Field Log

2.1.4.6 Other relevant data was recorded, such as: monitoring location / position, time, water depth, weather conditions and any special phenomena underway near the monitoring station.

2.1.5 Monitoring Equipment

2.1.5.1 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, pH and Turbidity	Multi-functional Meter	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

Dissolved Oxygen and Temperature Measuring Equipment

2.1.5.2 The instrument is a portable and weatherproof DO probe mounted on the multi-functional 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.

Turbidity Measurement Instrument

2.1.5.3 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.

pH Measurement Instrument

2.1.5.4 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.

Salinity Measurement Instrument

2.1.5.5 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.

Sampler

2.1.5.6 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.

Sample Containers and Storage

2.1.5.7 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**.

Water Depth Detector

2.1.5.8 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.

Monitoring Position Equipment

2.1.5.9 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.

Maintenance and Calibration

2.1.5.10 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.

2.1.5.11 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.

2.1.6 Action and Limit Levels

2.1.6.1 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.

Table 2.6 Criteria of Action and Limit Levels for Water Quality (Construction Phase)

Parameters	Action	Limit
Construction Phase Impact Monitoring		
DO in mg/L	≤ 5 %-ile of baseline data	≤ 4
SS in mg/L	≥ 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	≥ 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	≥ 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	≥ 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

2.1.6.2 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).

Table 2.7 Derived Action and Limit Levels for Water Quality Monitoring (Dry Season)

Parameters	Action	Limit
Construction Phase Impact Monitoring		
DO in mg/L	≤ 7.13	≤ 4
SS in mg/L	≥ 8 or 120% of control station's SS at the same tide of the same day of measurement, whichever is higher	≥ 10 or 130% of control station's SS at the same tide of the same day of measurement, whichever is higher
Turbidity in NTU	≥ 5.6 or 120% of control station's turbidity at the same tide of the same day of measurement, whichever is higher	≥ 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

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.

Table 2.8 Derived Action and Limit Levels for Water Quality (Wet Season)

Parameters	Action	Limit
Construction Phase Impact Monitoring		
DO in mg/L	≤ 5.28	≤ 4
SS in mg/L	≥ 12 or 120% of control station's SS at the same tide of the same day of measurement, whichever is higher	≥ 14 or 130% of control station's SS at the same tide of the same day of measurement, whichever is higher
Turbidity in NTU	≥ 4.0 or 120% of control station's turbidity at the same tide of the same day of measurement, whichever is higher	≥ 4.3 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

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.

2.1.6.3 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**.

2.1.7 Monitoring Results and Observations

2.1.7.1 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 during the reporting period. As marine construction works as defined in the approved EIA report (AEIAR-163/2012) and the Updated EM&A Manual was conducted in October 2024, impact water quality monitoring was resumed in October 2024.

2.1.7.2 As confirmed with Contractor, no marine construction work is scheduled from December 2024 to June 2025 tentatively. EPD advised no objection on the temporary suspension of water quality on 25 February 2025. The water quality monitoring was then temporarily suspended from 25 February 2025 onward.

2.1.7.3 In light of the absence of marine construction works as specified in the Environmental Impact Assessment (EIA) report (AEIAR 163/2012) and the Updated EM&A manual in January 2026, it was determined that the suspension of water quality monitoring shall remain in effect. Furthermore, given that only land-based construction works were undertaken in January 2026, all conditions and remarks outlined in the updated EM&A arrangement shall continue to be applicable.

2.2 Operational Phase Baseline Water Quality Monitoring

2.2.1 Monitoring Requirements

2.2.1.1 In accordance with the Updated EM&A Manual (Rev. E), baseline water quality monitoring was taken at all of the designated monitoring stations, 3 days per week, at mid-flood and mid-ebb tides, for at least 4 weeks prior to the commission of the brine water discharge. No construction activities were in the vicinity of the stations during the baseline monitoring. The interval between 2 sets of monitoring was not less than 36 hours.

2.2.1.2 Measurement was made at 3 water depths, namely, 1 m below water surface, mid-depth and 1 m above seabed. If the sampling water depth was less than 6 m, the mid-depth was omitted. For water depth that was less than 3 m, only the mid-depth station was monitored. Duplicate in-situ measurements were carried out in each sampling event.

2.2.2 Baseline Monitoring Locations

2.2.2.1 Water quality monitoring was proposed near the outfall for concentrated brine and surrounding the Zone of Initial Mixing (ZIM). The proposed monitoring locations are listed in **Table 2.9** below and shown in **Figure 2.2**.

Table 2.9 Proposed Marine Water Quality Stations for Baseline and Impact Monitoring during Operational Phase

Monitoring Stations	Description	Easting	Northing
C3	Control Station	817065	805416
C4	Control Station	816484	805416
Z1	Near the Edge of ZIM (east of the brine water outfall)	816883	805424
Z2	Near the Edge of ZIM (south of the brine water outfall)	816772	805317
Z3	Near the Edge of ZIM (west of the brine water outfall)	816685	805429

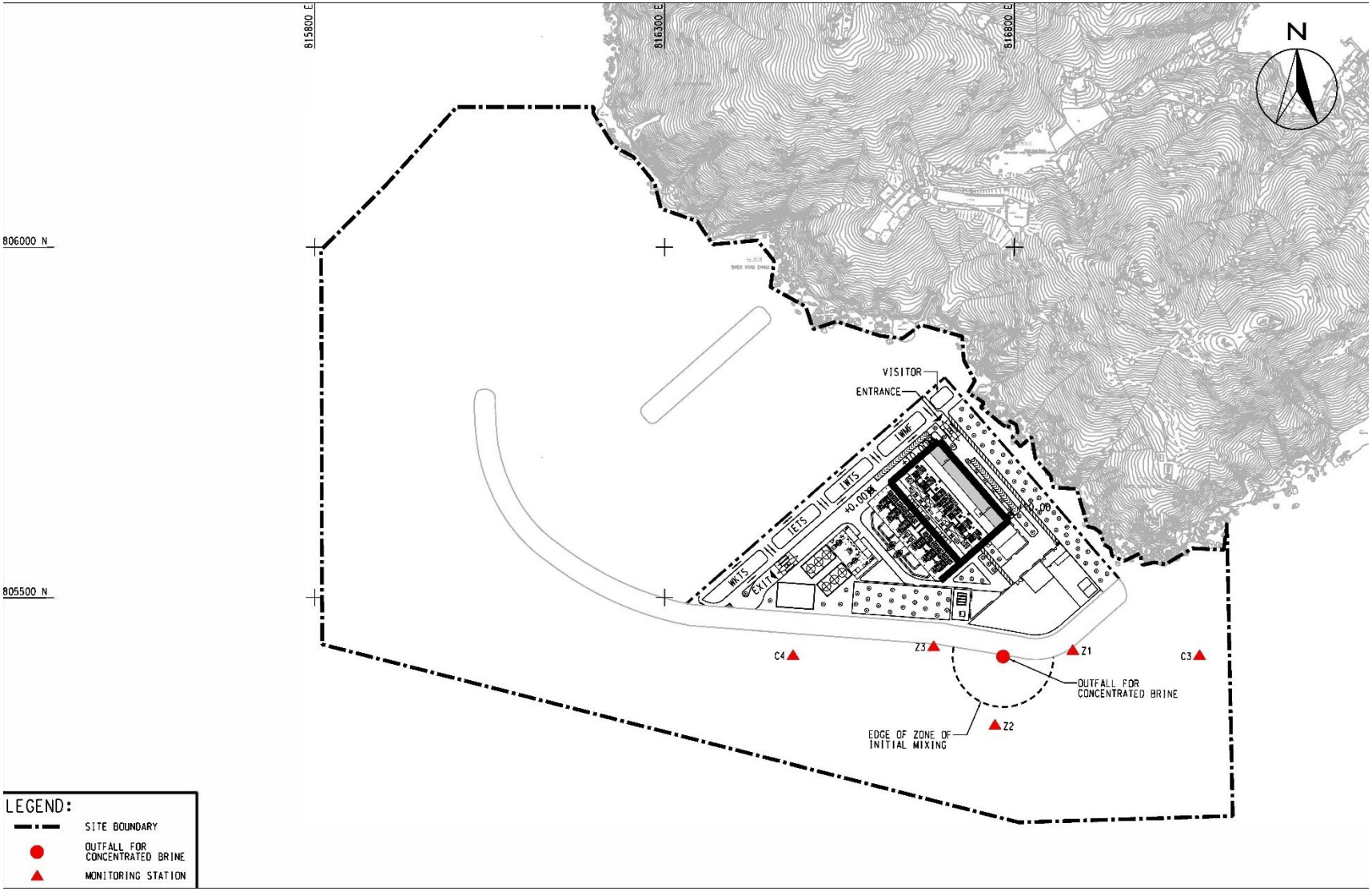


Figure 2.2 Location Plan of Proposed Monitoring Stations for Operational Phase Water Quality Monitoring

2.2.3 Water Quality Parameters

2.2.3.1 Salinity was monitored at designated water quality monitoring stations. The levels of salinity was measured *in-situ*.

2.2.3.2 Other relevant data was also be recorded, including monitoring location / position, time, water depth, weather conditions and any special phenomena or work underway at the construction site.

2.2.4 Monitoring Equipment

Water Depth Detector

2.2.4.1 A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station.

Salinity

2.2.4.2 A portable salinometer 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.

Backup Equipment

2.2.4.3 Sufficient stocks of spare parts were maintained for replacements when necessary. Backup monitoring equipment was available so that monitoring can proceed uninterrupted even when some equipment was under maintenance, calibration, malfunction etc.

2.2.5 Quality Control

Field Logs

2.2.5.1 Field logs were maintained for all monitoring work, noting the date, equipment, monitoring personnel and the record of all construction related activities and observations. The field log records were retained for the duration of the entire project and archived on completion.

2.2.5.2 In-situ monitoring results were digitally recorded from the instruments and converted into spreadsheet format or manually noted. Both hard and soft copies shall be retained for file records. Any deviation from the standard procedure and the reasons for deviation were noted in the log.

Measurement Procedures

2.2.5.3 All in-situ monitoring instruments were checked, calibrated and certified and subsequently re-calibrated at three monthly intervals throughout all stages of the water quality monitoring, or as required by the manufactures specification. Certificate(s) of Calibration specifying the instrument will be attached to the monitoring reports.

2.2.6 Action and limit levels

2.2.6.1 The criteria of action and limit levels for water quality monitoring are defined in **Table 2.10**.

Table 2.10 Action and Limit Levels for Water Quality (Operational Phase)

Parameters	Action Level	Limit Level
Salinity in mg/L (depth average)	≥95 %-ile of baseline data or 105% of control station's salinity at the same tide of the same day of measurement	≥99 %-ile of baseline data or 109% of control station's salinity at the same tide of the same day of measurement

Notes:
i. "Depth average" is calculated by taking the arithmetic mean of all three depths.
ii. For salinity, non-compliance of the water quality limit occurs when monitoring result is higher than the limit.

2.2.6.2 Based on the baseline monitoring data and the derivation criteria specified in **Table 2.10**, the Action/Limit Levels have been derived and are presented in **Table 2.11**.

Table 2.11 Derived Action and Limit Levels for Water Quality (Operational Phase)

Parameters	Action Level	Limit Level
Salinity in ppm (depth average)	≥ 29750 ppm (29.75 ppt) or 105% of control station's salinity at the same tide of the same day of measurement	≥ 30140 ppm (30.14 ppt) or 109% of control station's salinity at the same tide of the same day of measurement

Notes:
i. "Depth average" is calculated by taking the arithmetic mean of all three depths.
ii. For salinity, non-compliance of the water quality limit occurs when monitoring result is higher than the limit.

2.2.7 Event and Action Plan

2.2.7.1 The Action and Limit levels for water quality are shown in **Table 2.10**. Should non-compliance of the criteria occur, action in accordance with the Event/ Action Plans in **Appendix D** shall be carried out.

2.2.8 Monitoring Results and Observations

The baseline water quality monitoring for the monitoring stations as listed in **Table 2.9** was carried out between 18 August 2025 and 12 September 2025. Comprehensive monitoring results were compiled and presented in the Operational Phase Baseline Water Quality Monitoring Report.

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 L_{eq}, L_{10} and L_{90} 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 L_{eq}, L_{10} and L_{90} 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**.

Table 3.1 Noise Monitoring Parameters, Time, Frequency and Duration

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

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.**

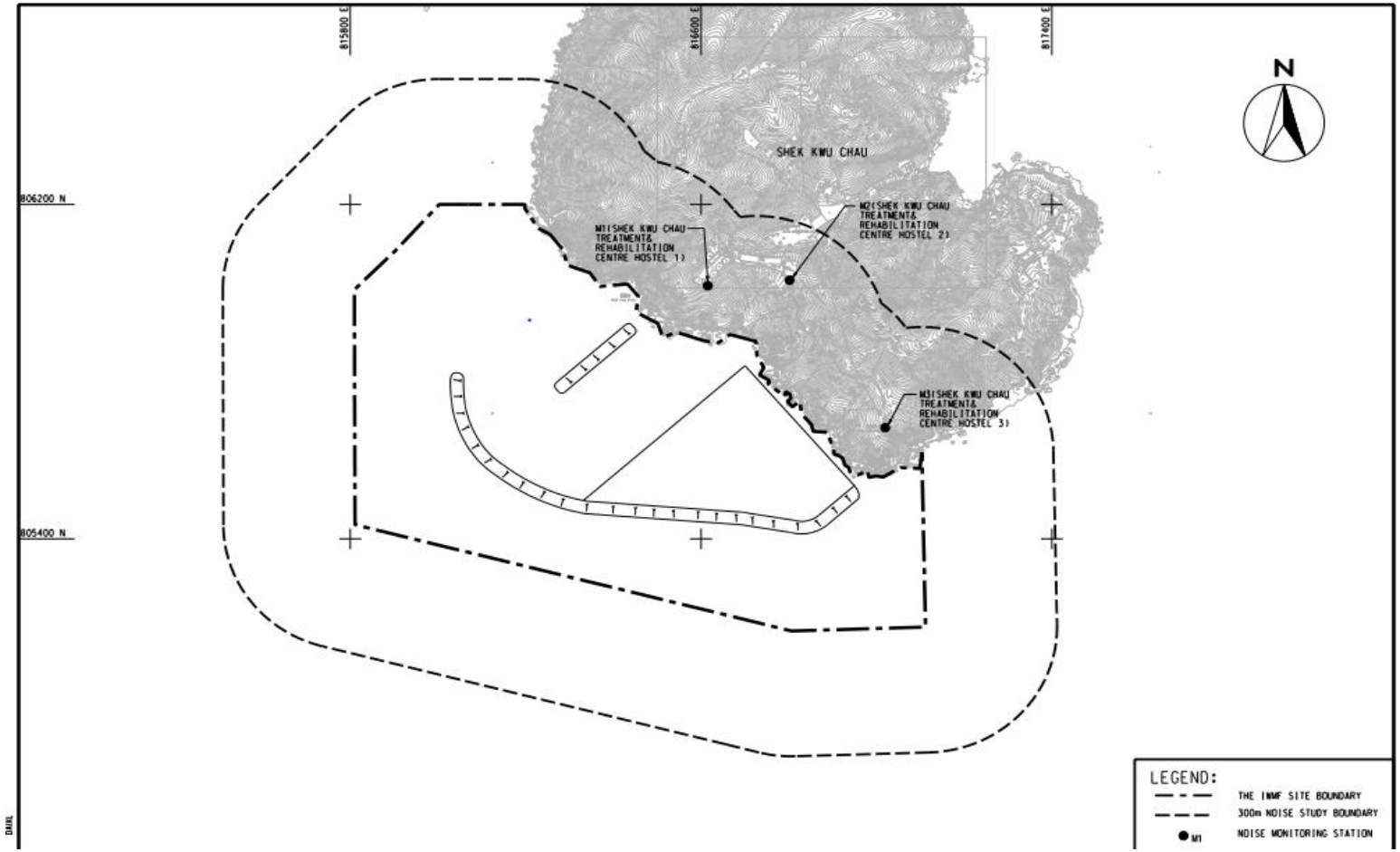


Figure 3.1 Noise monitoring locations at SKC

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.

Table 3.2 Noise Monitoring Location

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

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 [“$L_{eq\ 5min}$”] 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_{eq}, L_{10} and L_{90} 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 **Table 3.3** below. Calibration certificates for the noise monitoring equipment are attached in **Appendix E**.

Table 3.3 Impact Noise Monitoring Equipment

Equipment	**Brand and Model**
Sound Level Meter	SVANTEK 971
Sound Calibrator	RION NC-74

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**.

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

Time Period	Action	Limit (dB(A))
0700-1900 hrs on normal weekdays	When one documented complaint is received	75 dB(A)

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 5, 12, 19 and 26 January 2026. Impact monitoring for noise impact for evening time and nighttime was carried out on 5&6, 12&13, 19&20 and 26&27 January 2026. 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**. Air conditioning units and air quality monitoring station were also observed nearby monitoring stations M3.

Table 3.5 Summary of Field Observation

Monitoring Station	Major Noise Source
M1	NA
M2	NA
M3	Operation of nearby Air Quality Monitoring Station

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

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

Location	Measured Noise Level in dB(A)		
	Range of $L_{eq\ 30min}$	Range of $L_{10\ 30min}$	Range of $L_{90\ 30min}$
M1	57.2 – 59.0	59.5 – 61.7	54.4 – 54.7
M2	54.9 – 58.2	56.7 – 60.4	52.2 – 53.8
M3	51.7 – 58.3	52.2 – 58.9	49.9 – 57.4

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.

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

Location	Measured Noise Level in dB(A)		
	Range of $L_{eq\ 5min}$	Range of $L_{10\ 5min}$	Range of $L_{90\ 5min}$
M1	49.4 – 56.2	51.1 – 56.8	47.7 – 55.4
M2	48.1 – 55.1	48.6 – 56.0	47.6 – 53.9
M3	45.6 – 59.0	46.2 – 59.7	44.9 – 58.5

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 $L_{eq\ 5min}$	Range of $L_{10\ 5min}$	Range of $L_{90\ 5min}$
M1	46.2 – 54.2	47.2 – 54.6	45.3 – 53.8
M2	47.2 – 57.8	47.5 – 60.0	46.8 – 54.5
M3	44.6 – 58.7	45.1 – 58.9	44.1 – 58.4

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, 13,206.2m^3 of inert C&D materials was generated on site in the reporting month and disposed as public fill. No metal was generated and collected by registered recycling collector. 338.0kg 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. 1,085.5m^3 of other types of wastes (e.g. general refuse) was disposed of at designated landfill. No fill rock, fill sand or public fill 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 January 2026

Reporting Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill			Metals	Paper / cardboard packaging	Plastics (see Note 2)	Chemical Waste		Others, e.g. general refuse (see Note 3)
						Sand	Public Fill	Rock						
	(in ,000m^3)	(in ,000m^3)	(in ,000m^3)	(in ,000m^3)	(in ,000m^3)	(in ,000m^3)			(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000L)	(in ,000m^3)
Jan 2026	13.2062	0	0	0	13.2062	0	0	0	0	0.3380	0	0	0	1.0855

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 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**.

Table 5.1 Tagged Coral Monitoring Locations, Time and Frequency

Monitoring Location	Monitoring Month/Year	Frequency	No. of Monitoring Survey
10 selected hard coral colonies at control site / indirect impact site	1st Month	Weekly Survey	4
	2nd to 3rd Months	Monthly Survey	2
	4th Month (postponed to 5th month due to diver accident in Shek Kwu Chau in October 2018)	Re-tagging of Coral Colonies in Indirect Impact Site after Typhoon Mangkhut	
	4th Month (postponed to 5th month due to diver accident in Shek Kwu Chau in October 2018 and further postpone to 6th month due to adverse weather)	Re-tagging of Coral Colonies in Control Site after Typhoon Mangkhut	
	5th Month (postponed to 6th month due to diver accident in Shek Kwu Chau and further postponed to 7th month due to delay of re-tagging activities at both Indirect Impact Site and Control Site)	Post Re-tagging Monthly Survey	1
	7th to 96th Months (postponed to 8th to 97th month due to diver accident in Shek Kwu Chau in October 2018)	Quarterly Survey	28
	97th to 99th Months (The marine construction work is anticipated to be completed by June 2026, the frequency of monitoring will be changed to bi-annual with reference to the Updated EM&A Manual (Rev.E))	Bi-annually Survey	1
16 translocated hard coral colonies and 10 selected natural hard coral colonies at recipient site R3	1st Year	Quarterly Survey	4

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:

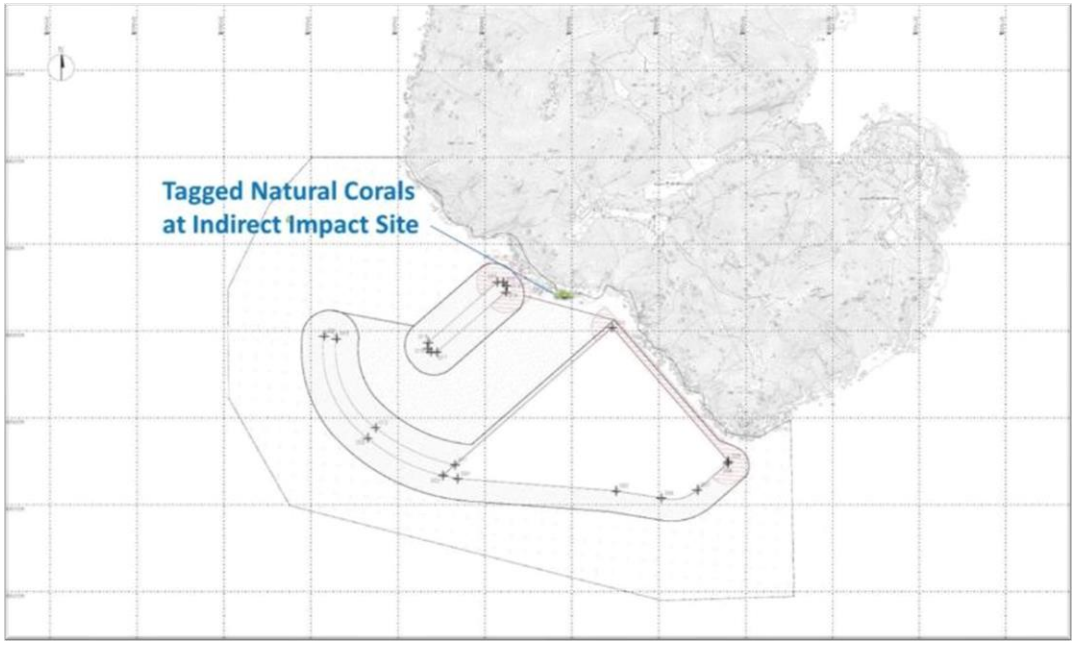


Figure 5.1 Tagged Natural Corals at Indirect Impact Site Near SKC for re-tagging after typhoon Mangkhut

Figure 5.2 Tagged Natural Corals at Control Site Near Yuen Kong Chau for re-tagging 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.

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

Coral #	GPS Coordinates	
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”

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 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**.

Table 5.5 Action and Limit Levels for Construction Phase Coral Monitoring

Parameter	Action Level	Limit Level
Mortality	If during Impact Monitoring a 15% increase in the percentage of partial mortality on the corals occurs at more than 20% of the tagged indirect impact site coral colonies that is not recorded on the tagged corals at the control site, then the Action Level is exceeded.	If during Impact Monitoring a 25% increase in the percentage of partial mortality on the corals occurs at more than 20% of the tagged indirect impact site coral colonies that is not recorded on the tagged corals at the control site, then the Limit Level is exceeded.

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

Parameter	Action Level	Limit Level
Mortality	If during Post-Translocation Monitoring a 15% increase in the percentage of partial 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, then the Action Level is exceeded.	If during Post-Translocation Monitoring a 25% increase in the percentage of partial 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, then the Limit Level is exceeded.

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 29th quarterly coral monitoring during construction phase at both Indirect Impact Site and Control Site would be scheduled in March 2026.

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:

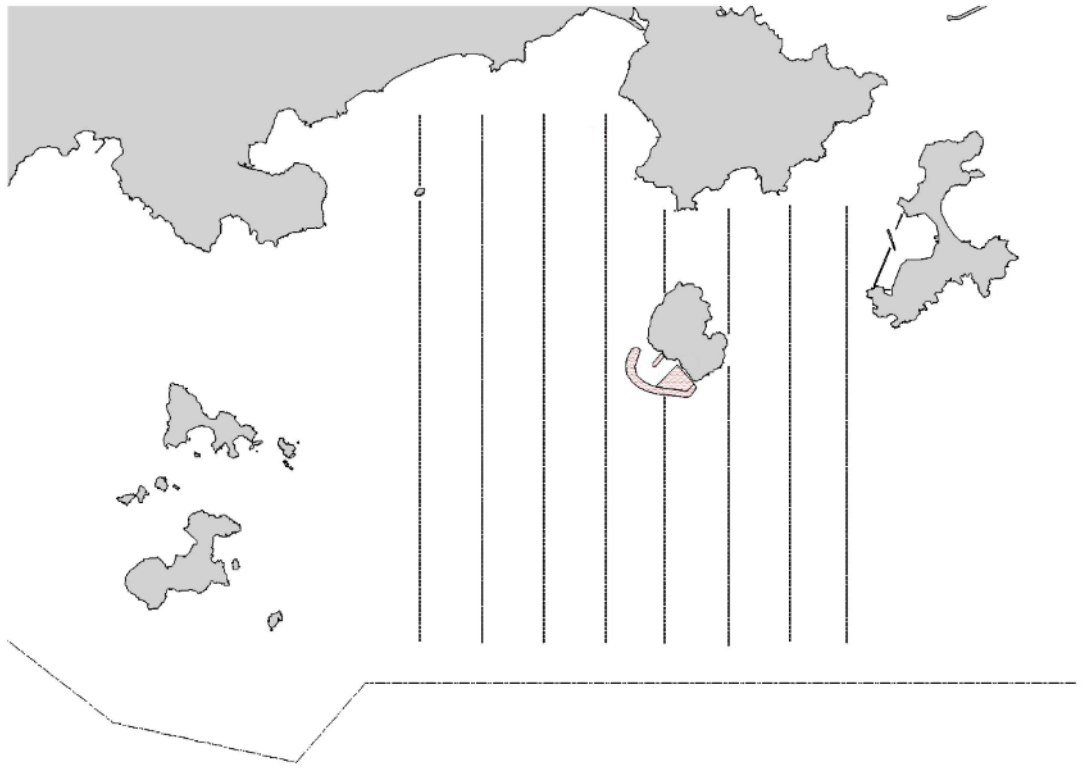


Figure 6.1 Line Transects for Marine Mammal Surveys

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:

Table 6.1 Vessel-based Line-transect Survey Frequency

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^2 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).

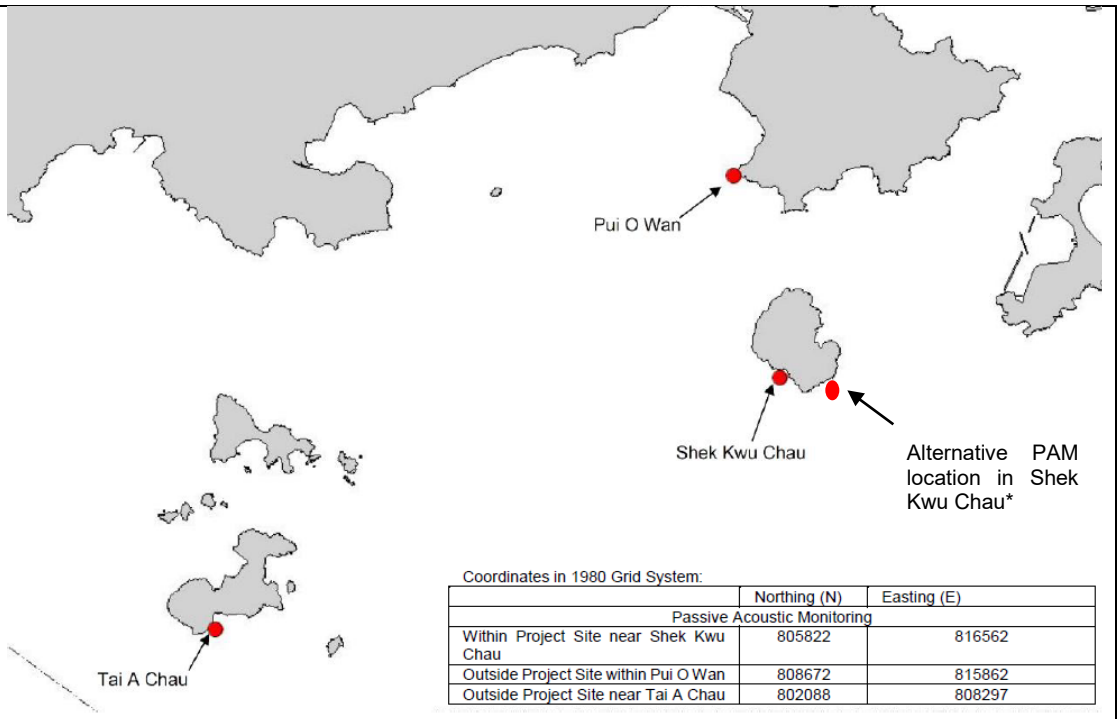
6.2.1.9 The newly-derived unit for sighting density was termed SPSE, representing the number of on-effort sightings per 100 units of survey effort. In addition, the derived unit for actual porpoise density was termed DPSE, representing the number of dolphins/porpoise per 100 units of survey effort. Among the 1-km^2 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^2 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 effort
SA% = 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.



Coordinates in 1980 Grid System:

	Northing (N)	Easting (E)
Passive Acoustic Monitoring		
Within Project Site near Shek Kwu Chau	805822	816562
Outside Project Site within Pui O Wan	808672	815862
Outside Project Site near Tai A Chau	802088	808297

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, March, April or May	At least 30 days during the peak 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.

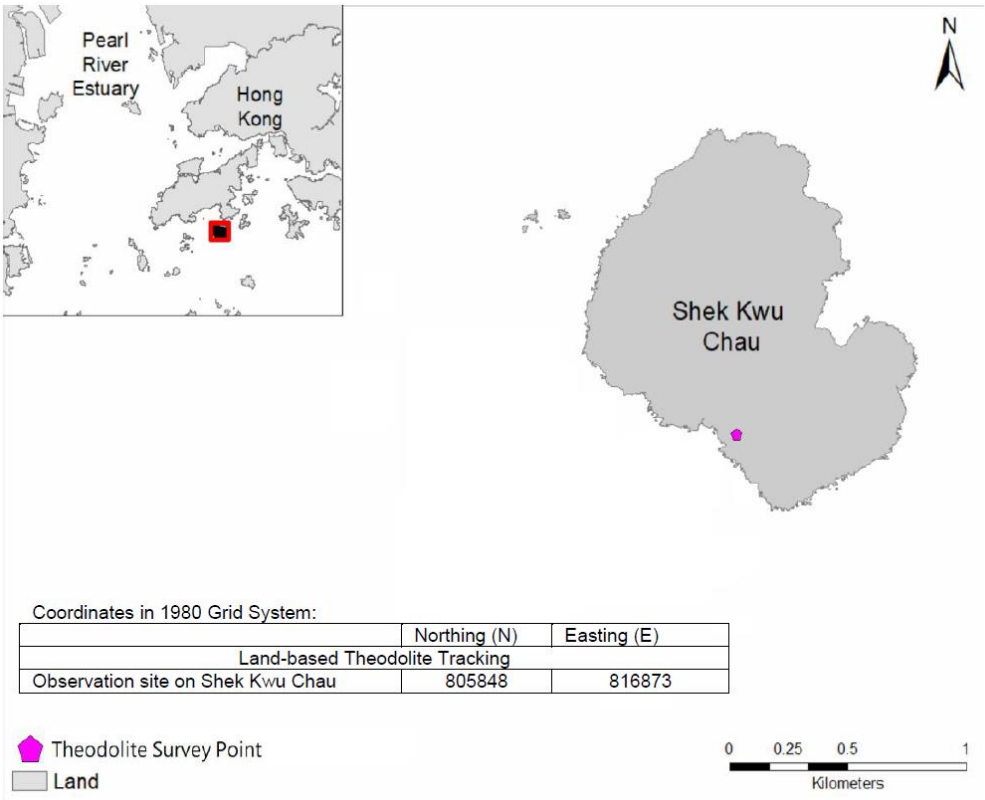


Figure 6.3 Locations of Land-based Theodolite Tracking

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 Land-based Theodolite Tracking Survey Period

Season	Months	Survey Period
Peak Season	December, January, February, March, April or May	30 days during the peak months 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.

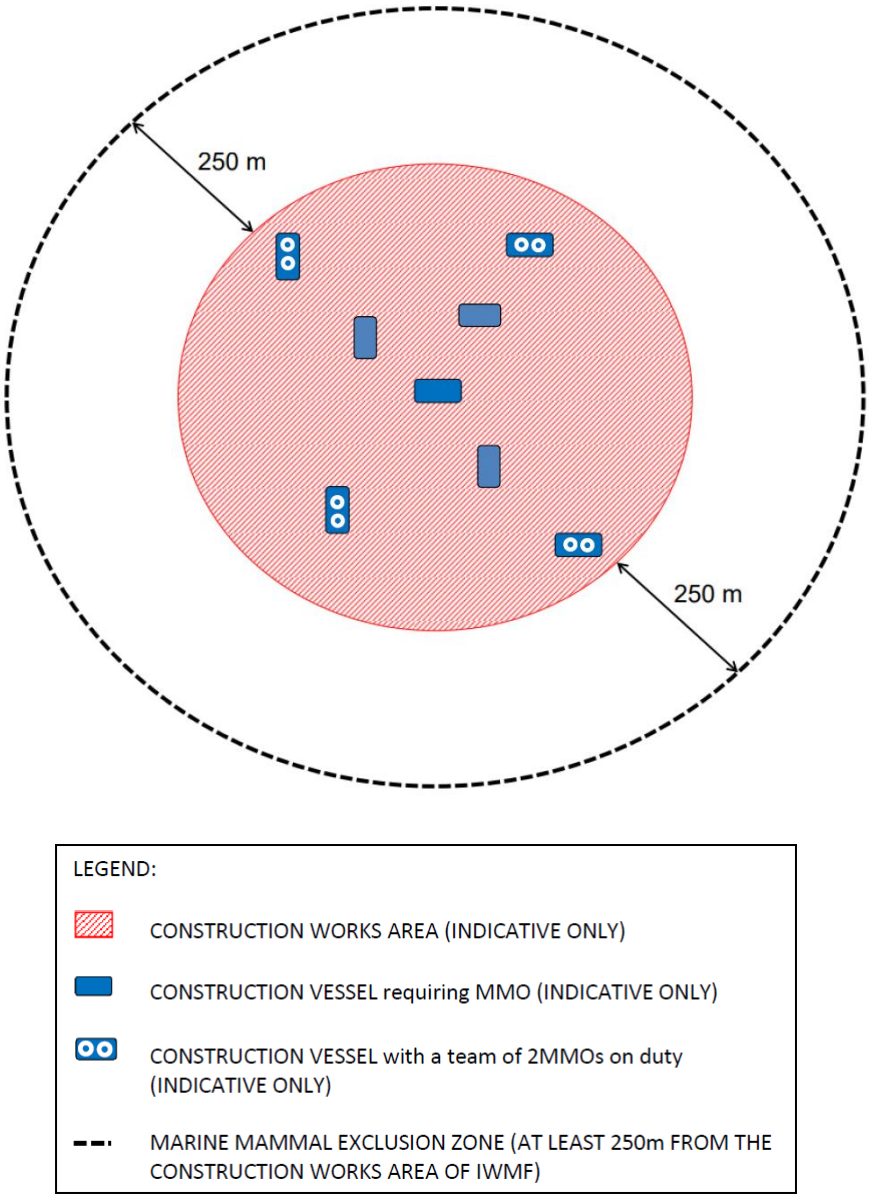


Figure 6.4 Illustration of Typical MMEZ

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 re-commenced 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 curtain with naked eyes, the MMO will check that 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.

6.3.2.4 For the re-deployment of the localized silt curtains (frame-type, cage-type or 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 (frame-type, 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, no marine construction work will be carried out from December 2025 to June 2025 tentatively. EPD advised no objection on the temporary suspension of water quality and line-transect monitoring on 25 February 2025. The line-transect monitoring was then temporarily suspended from 25 February 2025 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 17th Monthly EM&A report (November 2019) while detailed PAM result was presented in 18th Monthly EM&A report (December 2019).

6.4.2.2 For the baseline study, the Detection Positive Minutes (DPM) for each site was 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), tugboats (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:

Table 7.1 List of Equipment Used during Construction Phase Monitoring

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

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 Since incubation activity was observed during the scheduled impact monitoring event on 17 December 2025, the frequency of onward impact monitoring was changed to weekly basis. The impact monitoring was conducted on 7, 14, 21 and 28 January 2026 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 was used for the monitoring survey. The WBSE, monitoring survey was carried out in the morning. The weather conditions of monitoring surveys were shown in **Table 7.2**.

Table 7.2 Weather Conditions during the WBSE Monitoring

Date	Condition	Temperature (°C)
7 January 2026	- North wind force 4 to 5 - Sunny	20
14 January 2026	- Northeast wind force 5 to 6 - Sunny	21
21 January 2026	- Northeast wind force 4 to 5 - Sunny	22
28 January 2026	- North wind force 5 - Sunny	20

7.5.2 During the whole monitoring survey period, the two adult WBSEs were recorded staying around the nest (new WBSE nest location) during the monitoring period and no chick was observed in the nest. No abnormal behaviors of the adults were recorded. During the monitoring surveys, one of the adults was staying in the nest for the whole morning while another adult was flying near the new nest area.

7.5.3 The juvenile recorded in 2022 and 2023 has not been observed since monitoring event in September 2022 and September 2023 respectively, it is suggested that the juvenile left the nest at SKC and nesting in other area outside our monitoring boundary.

7.5.4 All construction 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 was 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 faun species was recorded as well.

7.5.6 There was no sign of using the construction site as a foraging ground.

7.5.7 Due to the recorded incubation, a weekly monitoring will be continued in February 2026 in order to monitor the incubation period, utilization of the area by WBSE and their responses to construction disturbance.

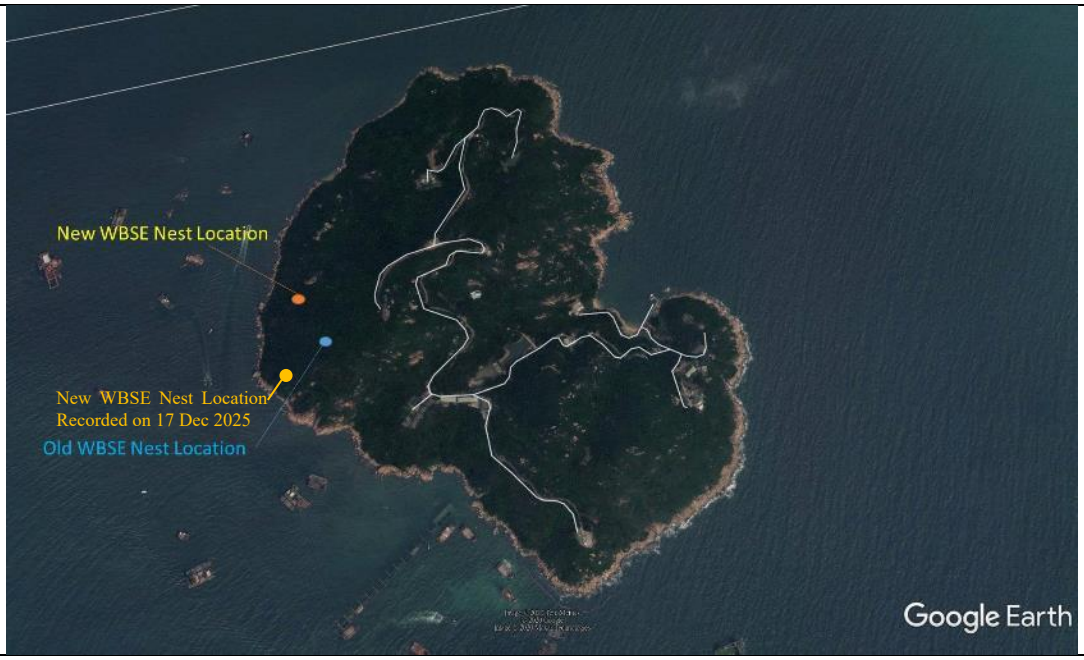


Figure 7.1 Location of WBSE Nests on SKC

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

WBSE Adult recorded in the new Nest on 28th January 2026

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

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

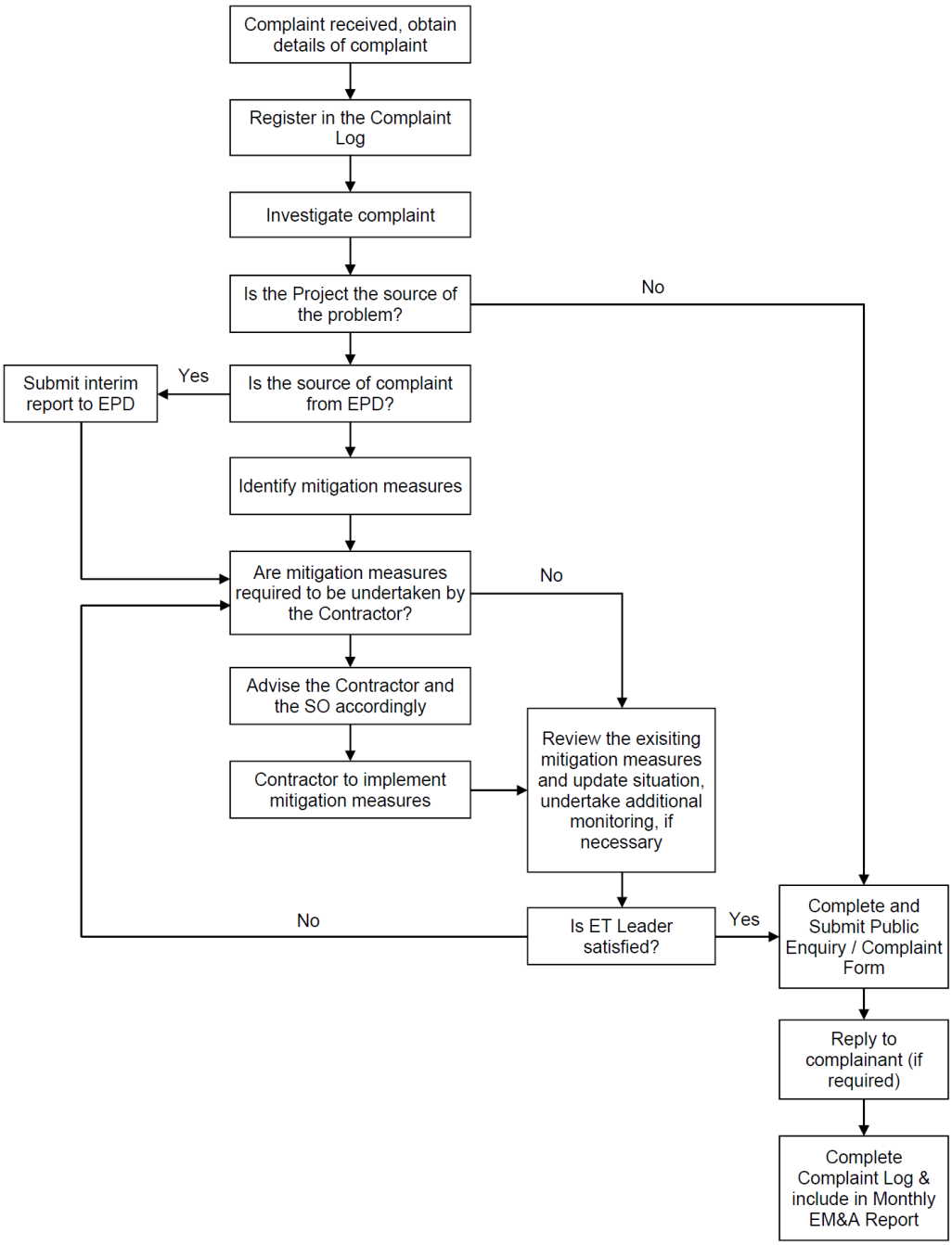


Figure 8.1 Environmental Complaint Handling Procedures

8.2 No exceedance of the Action and Limit Levels of the regular WBSE, coral and noise monitoring was recorded during the reporting period as shown in **Appendix K**.

8.3 No environmental complaint was received in the reporting period.

8.4 No notification of summons and prosecution was received in the reporting period.

8.5 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 6, 13, 20 and 27 January 2026 at the site portions listed in **Table 9.1** below.

Table 9.1 Site Inspection Record

Date	Inspected Site Portion	Time
6 Jan 2026	Portion 1, 1A & 1B (near SKC)	10:20 AM – 11:15 AM
13 Jan 2026	Portion 1, 1A & 1B (near SKC)	10:20 AM – 11:15 AM
20 Jan 2026	Portion 1, 1A & 1B (near SKC)	10:20 AM – 11:30 AM
27 Jan 2026	Portion 1, 1A & 1B (near SKC)	10:30 AM – 11:15 AM

9.2 One joint site inspection with IEC was carried out on 13 January 2026.

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
6 January 2026 (Site inspection)	Observation(s) and Recommendation(s) 1. Chemical spills along the vehicle access road out Process Building should be clean up. 2. Chemical containers outside the Process Building were observed without drip tray, drip tray should be provided to avoid leakage.	1. Chemical spills along the vehicle access road out Process Building had been cleaned up. 2. Chemical containers outside the Process Building had been stored in drip tray to avoid leakage.
13 January 2026 (Site inspection)	Observation(s) and Recommendation(s) 1. Near Cassion 19, housekeeping should be enhanced. 2. The excavator (BH117) was observed without NRMM label, NRMM label should be affixed and displayed on the excavator.	1. Near Cassion 19, waste had been removed from site regularly. 2. The NRMM label excavator (BH117) hand been affixed and displayed on the excavator.
20 January 2026 (Site inspection)	Observation(s) and Recommendation(s) 1. Near Process Building (Line 6), a generator was observed without NRMM label, NRMM label should be affixed and displayed on the machine. 2. Near Process Building (Line 6), drip tray(s) should be provided to chemical tanks to avoid leakage. Oil stains should be clean-up.	1. Near Process Building (Line 6), NRMM label had been affixed and displayed on the machine. 2. Near Process Building (Line 6), chemical tanks had been stored inside designated area. Oil stains had been cleaned up.

Date	Environmental Observations	Follow-up Status
27 January 2026 (Site inspection)	Observation(s) and Recommendation(s) 1. At MT Plant (+17.5 mPD), water spraying should be provided to concrete breaking works to reduce dust emission. 2. At MT Plant (+17.5 mPD), impervious cover should be provided to stacks of cement bags to reduce dust emission. 3. Near Process Building, a chemical container was observed without drip tray, drip tray should be provided to avoid leakage	1. At MT Plant (+17.5 mPD), water spraying had been immediately implied to concrete breaking works to reduce dust emission. 2. At MT Plant (+17.5 mPD), impervious cover had been provided to stacks of cement bags to reduce dust emission. 3. Near Process Building, chemical had been stored on 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:
  - Superstructure construction;
  - Waste reception for T&C;
  - T&C on Incineration for Trains 1 – 2; and
  - T&C for Process Equipment for Trains 3 – 6.
- Seawall Portion:
  - Construction of wave wall along the vertical seawall above +3mPD.

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; and
- Site runoff control measure during construction 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 91st monthly Environmental Monitoring and Audit (EM&A) Report presents the EM&A works undertaken during the period from 1 January to 31 January 2026, 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 January to 31 January 2026.

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 regular maintenance on drainage system, proper storage of chemicals, proper storage of dusty material with coverage of impervious sheeting, timely removal of stagnant wastewater on ground level, regular disposal of C&D waste from site area and proper presentation of NRMM label on machinery.

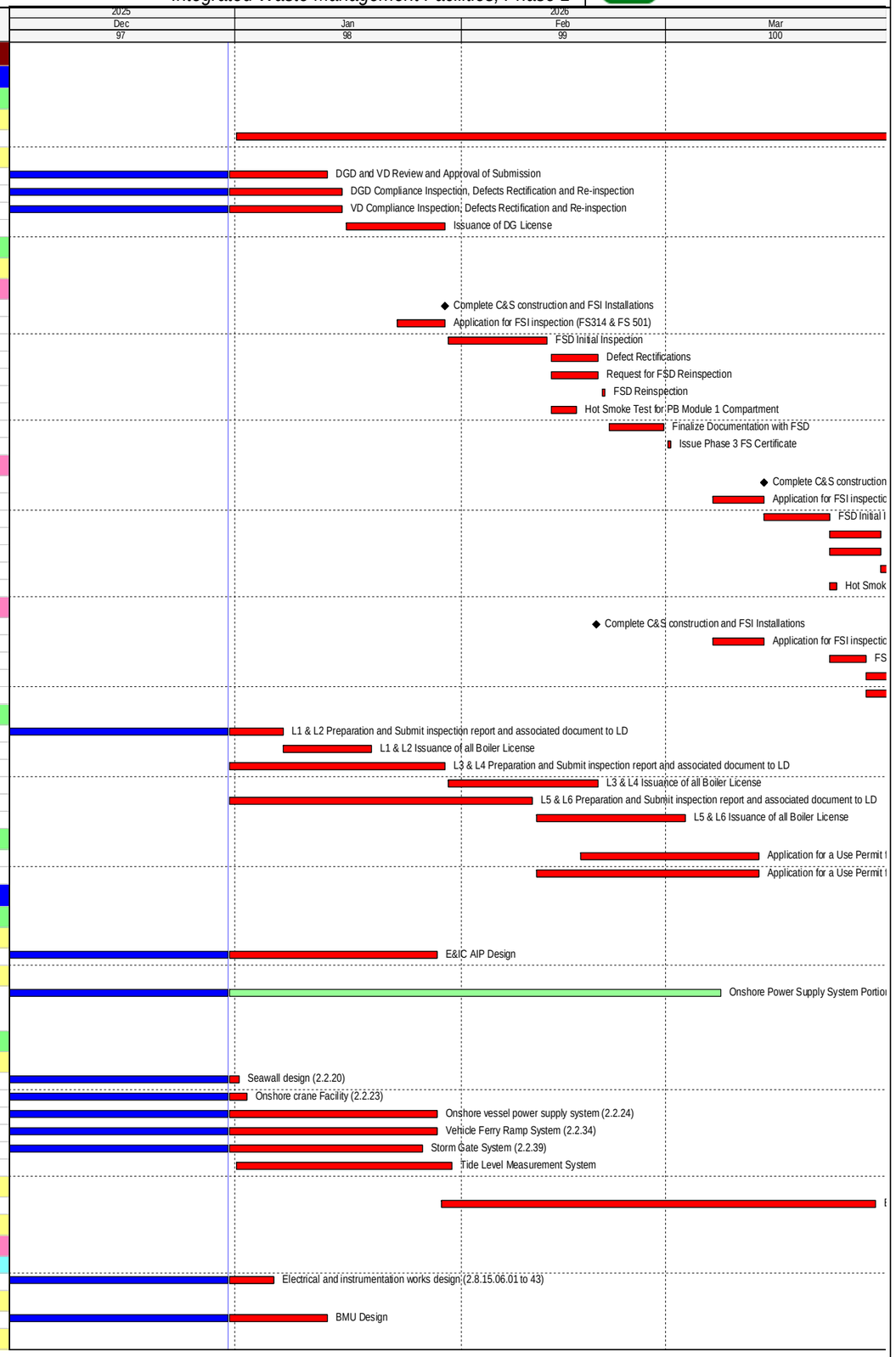
11.5 No environmental complaint was received in the reporting period.

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

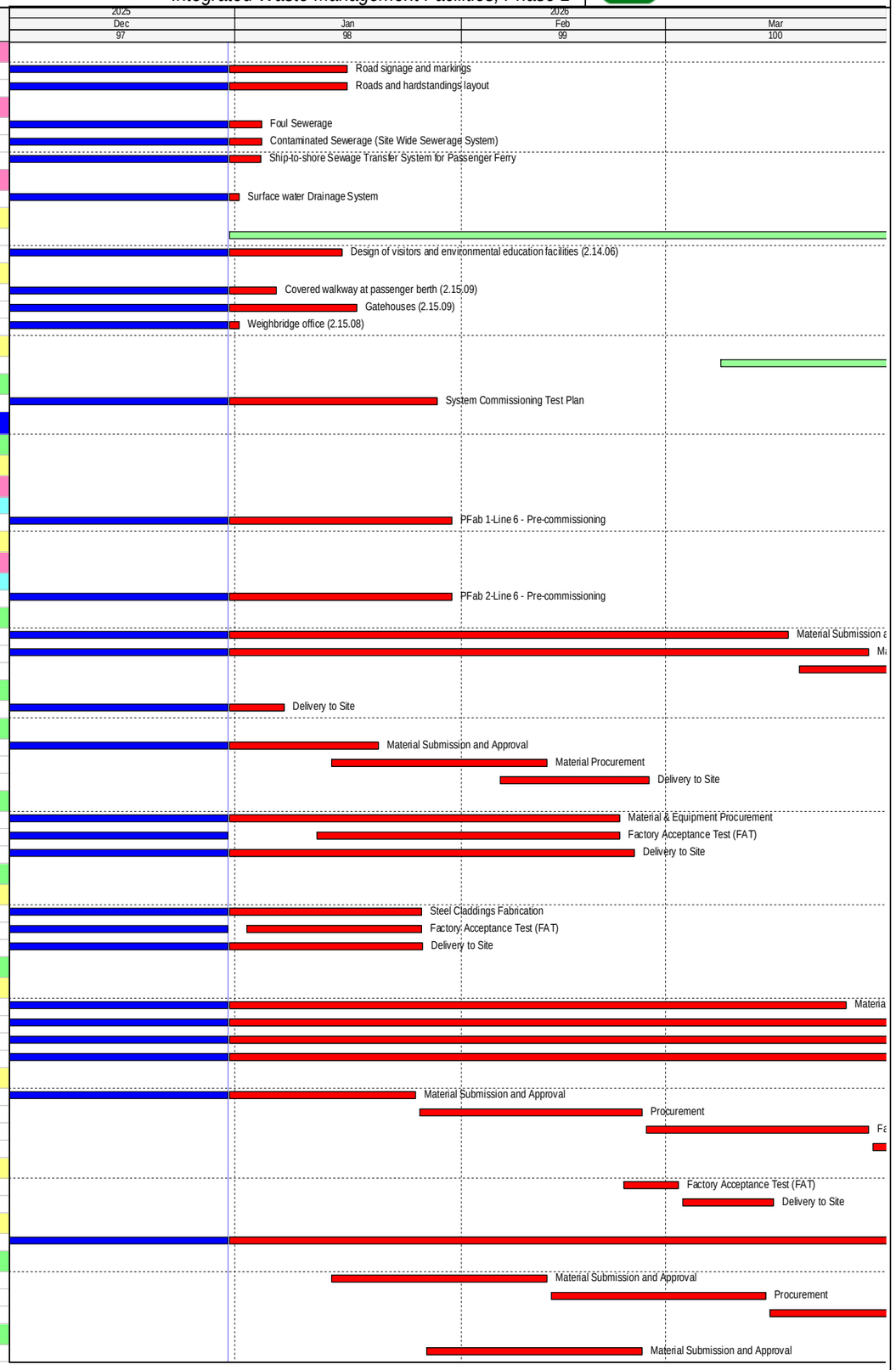
Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
Programme for Design and Construction Works WP7M-M97 - 3 Month		2744	207		20-Jan-19 A	26-Jul-26	10-May-25	15-Aug-26	21	
License/Permit Applications		546	181		10-Dec-24 A	29-Jun-26	16-Jun-25	24-Dec-25	-187	
DG Licence		334	181		27-Feb-25 A	29-Jun-26	27-Jun-25	23-Dec-25	-188	
Day Tank & Fuel Oil Storage (Cat 5)		180	180		01-Jan-26	29-Jun-26	27-Jun-25	23-Dec-25	-188	
03-3880(7K)	Application and Issuance of License from Marine Department (MD) for berthing of local oil carrier vessel at IWMF Berth	180	180	0%	01-Jan-26*	29-Jun-26	27-Jun-25	23-Dec-25	-188	
Chemical Stores (all Cat)		183	30		27-Feb-25 A	29-Jan-26	22-Jul-25	20-Aug-25	-162	
03-1490	DGD and VD Review and Approval of Submission	30	14	53.33%	27-Feb-25 A	13-Jan-26	24-Jul-25	06-Aug-25	-160	
03-1500	DGD Compliance Inspection, Defects Rectification and Re-inspection	30	16	46.67%	16-Jul-25 A	15-Jan-26	22-Jul-25	06-Aug-25	-162	
03-1510	VD Compliance Inspection, Defects Rectification and Re-inspection	30	16	46.67%	16-Jul-25 A	15-Jan-26	22-Jul-25	06-Aug-25	-162	
03-1520	Issuance of DG License	14	14	0%	16-Jan-26	29-Jan-26	07-Aug-25	20-Aug-25	-162	
Fire Services Installations (FSI) Certificate		71	71		23-Jan-26	04-Apr-26	14-Oct-25	24-Dec-25	-100	
Fire Services Installations Certificate Inspection		71	71		23-Jan-26	04-Apr-26	14-Oct-25	24-Dec-25	-100	
FSI Phase 3 (PB M1, EDAS, MT & WTP)		38	38		23-Jan-26	01-Mar-26	14-Oct-25	24-Dec-25	-67	
03-4010(7C)	Complete C&S construction and FSI Installations	0	0	0%		29-Jan-26		20-Oct-25	-101	
03-4020(7C)	Application for FSI inspection (FS314 & FS 501)	7	7	0%	23-Jan-26	29-Jan-26	14-Oct-25	20-Oct-25	-101	
03-4030(7C)	FSD Initial Inspection	14	14	0%	30-Jan-26	12-Feb-26	21-Oct-25	03-Nov-25	-101	
03-4040(7C)	Defect Rectifications	7	7	0%	13-Feb-26	19-Feb-26	08-Dec-25	14-Dec-25	-67	
03-4050(7C)	Request for FSD Reinspection	7	7	0%	13-Feb-26	19-Feb-26	08-Dec-25	14-Dec-25	-67	
03-4060(7C)	FSD Reinspection	1	1	0%	20-Feb-26	20-Feb-26	15-Dec-25	15-Dec-25	-67	
03-4060(7C)10	Hot Smoke Test for PB Module 1 Compartment	4	4	0%	13-Feb-26	16-Feb-26	12-Dec-25	15-Dec-25	-63	
03-4065(7L)	Finalize Documentation with FSD	8	8	0%	21-Feb-26	28-Feb-26	16-Dec-25	23-Dec-25	-67	
03-4067(7L)	Issue Phase 3 FS Certificate	1	1	0%	01-Mar-26	01-Mar-26	24-Dec-25	24-Dec-25	-67	
FSI Phase 4 (PB M2&3, Admin Bld and Reception Pav)		28	28		07-Mar-26	04-Apr-26	13-Nov-25	15-Dec-25	-109	
03-4070(7C)	Complete C&S construction and FSI Installations	0	0	0%		14-Mar-26		19-Nov-25	-114	
03-4080(7C)	Application for FSI inspection (FS314 & FS 501)	7	7	0%	07-Mar-26	14-Mar-26	13-Nov-25	19-Nov-25	-114	
03-4090(7C)	FSD Initial Inspection	9	9	0%	14-Mar-26	23-Mar-26	20-Nov-25	28-Nov-25	-114	
03-4100(7C)	Defect Rectifications	7	7	0%	23-Mar-26	30-Mar-26	04-Dec-25	10-Dec-25	-109	
03-4110(7C)	Request for FSD Reinspection	7	7	0%	23-Mar-26	30-Mar-26	04-Dec-25	10-Dec-25	-109	
03-4120(7C)	FSD Reinspection	5	5	0%	30-Mar-26	04-Apr-26	11-Dec-25	15-Dec-25	-109	
03-4125(7C)	Hot Smoke Test for PB Module 2 & 3 Compartment	1	1	0%	23-Mar-26	24-Mar-26	15-Dec-25	15-Dec-25	-98	
FSI Phase 5 (All Remaining Areas)		44	44		19-Feb-26	04-Apr-26	21-Nov-25	10-Dec-25	-114	
03-4130(7C)	Complete C&S construction and FSI Installations	0	0	0%		19-Feb-26		27-Nov-25	-83	
03-4140(7C)	Application for FSI inspection (FS314 & FS 501)	7	7	0%	07-Mar-26	14-Mar-26	21-Nov-25	27-Nov-25	-106	
03-4150(7C)	FSD Initial Inspection	5	5	0%	23-Mar-26	28-Mar-26	29-Nov-25	03-Dec-25	-114	
03-4160(7C)	Defect Rectifications	7	7	0%	28-Mar-26	04-Apr-26	04-Dec-25	10-Dec-25	-114	
03-4170(7C)	Request for FSD Reinspection	7	7	0%	28-Mar-26	04-Apr-26	04-Dec-25	10-Dec-25	-114	
Boilers and Pressure Vessels License		428	63		10-Dec-24 A	03-Mar-26	16-Jun-25	30-Aug-25	-185	
03-1930(3)	L1 & L2 Preparation and Submit inspection report and associated document to LD	53	8	85%	10-Dec-24 A	07-Jan-26	11-Aug-25	18-Aug-25	-142	
03-1940(3)	L1 & L2 Issuance of all Boiler License	12	12	0%	07-Jan-26	19-Jan-26	18-Aug-25	30-Aug-25	-142	
03-1960(M83)	L3 & L4 Preparation and Submit inspection report and associated document to LD	30	30	0%	31-Dec-25	29-Jan-26	25-Jun-25	24-Jul-25	-189	
03-1970(M83)	L3 & L4 Issuance of all Boiler License	21	21	0%	30-Jan-26	19-Feb-26	25-Jul-25	14-Aug-25	-189	
03-1980(M83)10	L5 & L6 Preparation and Submit inspection report and associated document to LD	42	42	0%	31-Dec-25	10-Feb-26	16-Jun-25	27-Jul-25	-198	
03-1980(M83)20	L5 & L6 Issuance of all Boiler License	21	21	0%	11-Feb-26	03-Mar-26	28-Jul-25	17-Aug-25	-198	
Lifts or Escalators		31	31		11-Feb-26	13-Mar-26	20-Oct-25	19-Nov-25	-114	
03-1060-1(7C)10	Application for a Use Permit for Lifts at Process Building Stage 1	25	25	0%	17-Feb-26	13-Mar-26	26-Oct-25	19-Nov-25	-114	Update Original Duration from 31d to 25d
03-1060-1(7C)20	Application for a Use Permit for Lifts at Process Building Stage 2	31	31	0%	11-Feb-26	13-Mar-26	20-Oct-25	19-Nov-25	-114	
Design Submissions		2695	158		20-Jan-19 A	06-Jun-26	06-Jun-25	15-Aug-26	71	
AIP Design Package Submissions		91	68		04-Aug-25 A	08-Mar-26	26-Sep-25	17-May-26	71	
AIP Administration Building (2.7)		60	29		17-Nov-25 A	28-Jan-26	26-Sep-25	24-Oct-25	-96	
05-2050	E&IC AIP Design	60	29	51.67%	17-Nov-25 A	28-Jan-26	26-Sep-25	24-Oct-25	-96	Amend Activity Name
AIP Auxiliary Plant Systems (2.16)		90	68		04-Aug-25 A	08-Mar-26	11-Mar-26	17-May-26	71	
05-2780-3(7L)	Onshore Power Supply System Portion 2 (2.16.12)	90	68	25%	04-Aug-25 A	08-Mar-26	11-Mar-26	17-May-26	71	Remove Successors 02-1150(2) FS0 and 02-1160(2) FS0; Add Successor 05-4950(7M) FS0
DDA Design Package Submissions		2695	158		20-Jan-19 A	06-Jun-26	06-Jun-25	15-Aug-26	71	
DDA Ground Treatment, Reclamation, Seawall, Breakwater, Berth (2.2)		2568	31		20-Jan-19 A	30-Jan-26	06-Jun-25	09-Nov-25	-82	
05-3450	Seawall design (2.2.20)	60	2	97%	20-Jan-19 A	01-Jan-26	06-Jun-25	07-Jun-25	-208	
05-3480	Onshore crane Facility (2.2.23)	60	3	95%	01-Feb-24 A	02-Jan-26	17-Jul-25	19-Jul-25	-167	
05-3490	Onshore vessel power supply system (2.2.24)	90	29	67.78%	29-Feb-24 A	28-Jan-26	28-Jul-25	25-Aug-25	-156	
05-3500(M90)	Vehicle Ferry Ramp System (2.2.34)	90	29	67.78%	16-Feb-23 A	28-Jan-26	27-Jul-25	24-Aug-25	-157	
05-3510(7J)	Storm Gate System (2.2.39)	90	27	70%	05-Jul-25 A	26-Jan-26	23-Jun-25	19-Jul-25	-191	
05-7410(7L)	Tide Level Measurement System	30	30	0%	01-Jan-26*	30-Jan-26	11-Oct-25	09-Nov-25	-82	
DDA Administration Building (2.7)		60	60		29-Jan-26	29-Mar-26	25-Oct-25	23-Dec-25	-96	
05-4200	E&IC DDA Design	60	60	0%	29-Jan-26	29-Mar-26	25-Oct-25	23-Dec-25	-96	Amend Activity Name
DDA IWMF Substation (2.8)		90	6		16-Oct-21 A	06-Jan-26	26-Jun-25	02-Jul-25	-187	
Electrical and instrumentation works design (2.8.15)		90	6		16-Oct-21 A	06-Jan-26	26-Jun-25	02-Jul-25	-187	
2.8.15.06		90	6		16-Oct-21 A	06-Jan-26	26-Jun-25	02-Jul-25	-187	
05-4320	Electrical and instrumentation works design (2.8.15.06.01 to 43)	90	6	93.33%	16-Oct-21 A	06-Jan-26	26-Jun-25	02-Jul-25	-187	
DDA Chimney		90	14		07-Nov-24 A	13-Jan-26	03-Jul-25	16-Jul-25	-181	
05-5540-3(7C)	BMU Design	90	14	84.44%	07-Nov-24 A	13-Jan-26	03-Jul-25	16-Jul-25	-181	
DDA Roads and Utilities (2.10)		425	16		13-Jan-21 A	16-Jan-26	10-Jun-25	08-Jul-25	-192	



3-Month Rolling Programme (December 2025)

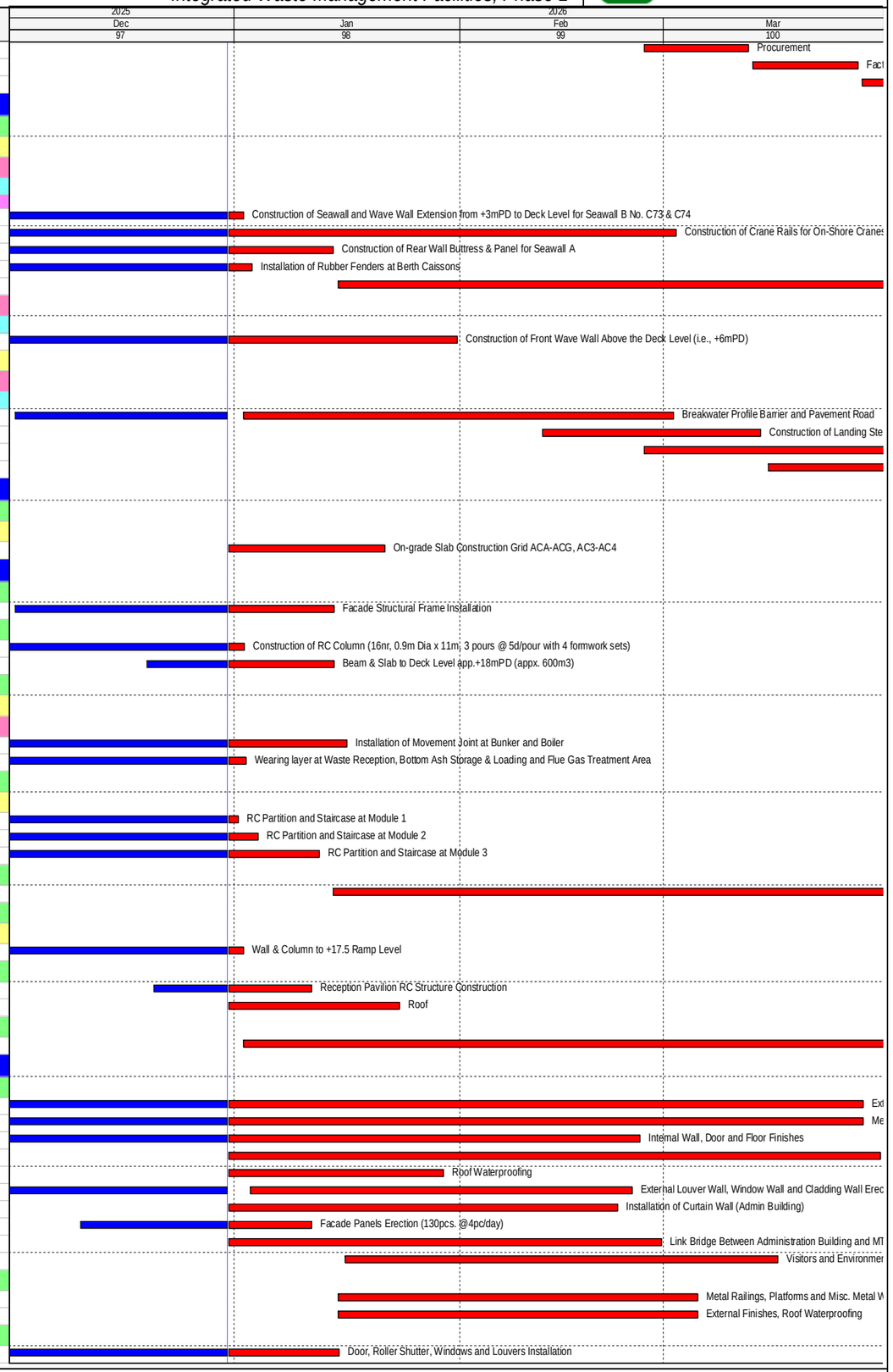
Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
Permanent road works layout on the Artificial Island (2.10.13)		90	16		08-Aug-22 A	16-Jan-26	10-Jun-25	02-Jul-25	-197	
05-4480	Road signage and markings	90	16	82%	08-Aug-22 A	16-Jan-26	16-Jun-25	02-Jul-25	-197	
05-5400	Roads and hardstandings layout	90	16	82%	08-Aug-22 A	16-Jan-26	10-Jun-25	26-Jun-25	-203	
Sewerage design on the Artificial Island (2.10.14)		395	5		13-Jan-21 A	04-Jan-26	10-Jun-25	08-Jul-25	-181	
05-4430	Foul Sewerage	60	5	92%	14-Mar-23 A	04-Jan-26	03-Jul-25	08-Jul-25	-181	
05-4440	Contaminated Sewerage (Site Wide Sewerage System)	60	5	92%	14-Mar-23 A	04-Jan-26	03-Jul-25	08-Jul-25	-181	
05-4440-2(M55)	Ship-to-shore Sewage Transfer System for Passenger Ferry	90	5	95%	13-Jan-21 A	04-Jan-26	10-Jun-25	14-Jun-25	-204	
Drainage system design on the Artificial Island (2.10.15)		90	2		22-Feb-23 A	01-Jan-26	06-Jul-25	08-Jul-25	-178	
05-5310	Surface water Drainage System	90	2	98%	22-Feb-23 A	01-Jan-26	06-Jul-25	08-Jul-25	-178	
DDA Miscellaneous Works (2.14)		381	106		02-Jun-25 A	15-Apr-26	25-Sep-25	15-Aug-26	122	
05-4870	Process Related CCTV and Existing onshore crane replacement works at Portion 2 (2.14.05)	106	106	0%	31-Dec-25	15-Apr-26	02-May-26	15-Aug-26	122	
05-4880	Design of visitors and environmental education facilities (2.14.06)	123	16	86.99%	02-Jun-25 A	15-Jan-26	25-Sep-25	10-Oct-25	-97	
DDA Miscellaneous Detailing (2.15)		93	18		06-Sep-23 A	17-Jan-26	15-Jun-25	25-Aug-25	-145	
05-4890	Covered walkway at passenger berth (2.15.09)	70	7	90%	06-Sep-23 A	06-Jan-26	19-Aug-25	25-Aug-25	-134	
05-4900	Gatehouses (2.15.09)	60	18	70%	06-Sep-23 A	17-Jan-26	15-Jun-25	02-Jul-25	-199	
05-4910	Weighbridge office (2.15.08)	32	2	95%	01-Nov-24 A	01-Jan-26	30-Jul-25	31-Jul-25	-154	
DDA Auxiliary Plant Systems (2.16)		90	90		08-Mar-26	06-Jun-26	18-May-26	15-Aug-26	71	
05-4950-1(7M)	Onshore Power Supply System Portion 2 (2.16.13)	90	90	0%	08-Mar-26	06-Jun-26	18-May-26	15-Aug-26	71	New Activity
System Commissioning Plan		90	29		08-Jan-25 A	28-Jan-26	21-Jun-25	19-Jul-25	-193	
05-4830	System Commissioning Test Plan	90	29	67.78%	08-Jan-25 A	28-Jan-26	21-Jun-25	19-Jul-25	-193	
Procurement of Major Equipment		1214	149		30-Jun-20 A	28-May-26	10-May-25	24-Dec-25	-155	
Off-site Fabrication of Incineration Modules		66	31		31-Aug-25 A	30-Jan-26	10-Jun-25	12-Jul-25	-202	
Fabrication of Module (TPU)		66	31		31-Aug-25 A	30-Jan-26	12-Jun-25	12-Jul-25	-202	
PFab 1- Line 6		66	31		31-Aug-25 A	30-Jan-26	12-Jun-25	12-Jul-25	-202	
Precommissioning		66	31		31-Aug-25 A	30-Jan-26	12-Jun-25	12-Jul-25	-202	
06-TPU-6-1020	PFab 1-Line 6 - Pre-commissioning	66	31	53.03%	31-Aug-25 A	30-Jan-26	12-Jun-25	12-Jul-25	-202	
Fabrication of Module (FGC)		66	31		31-Aug-25 A	30-Jan-26	10-Jun-25	10-Jul-25	-204	
PFab 2 - Line 6		66	31		31-Aug-25 A	30-Jan-26	10-Jun-25	10-Jul-25	-204	
Precommissioning		66	31		31-Aug-25 A	30-Jan-26	10-Jun-25	10-Jul-25	-204	
06-FGC-6-1030	PFab 2-Line 6 - Pre-commissioning	66	31	53.03%	31-Aug-25 A	30-Jan-26	10-Jun-25	10-Jul-25	-204	
Procurement for Soft Landscape Materials		169	138		03-Oct-25 A	17-May-26	10-May-25	24-Sep-25	-235	
06-1790	Material Submission and Approval	110	77	30%	03-Oct-25 A	17-Mar-26	10-May-25	25-Jul-25	-235	
06-1800	Material Procurement & Nursery	110	88	20%	30-Oct-25 A	28-Mar-26	10-May-25	05-Aug-25	-235	Update Actual Start Date
06-1810	Delivery to Site	60	60	0%	19-Mar-26	17-May-26	27-Jul-25	24-Sep-25	-235	
Procurement for Truck Wash System		20	8		16-Jun-25 A	07-Jan-26	08-Jul-25	16-Jul-25	-176	
06-2320(1)	Delivery to Site	20	8	60%	16-Jun-25 A	07-Jan-26	08-Jul-25	16-Jul-25	-176	
Procurement for Hard Landscape Materials (Paving, Greening, Furniture and Lighting)		423	58		20-Sep-23 A	26-Feb-26	24-Aug-25	20-Oct-25	-129	
06-7000(6)	Material Submission and Approval	60	21	65%	20-Sep-23 A	20-Jan-26	24-Aug-25	13-Sep-25	-129	
06-7010(6)	Material Procurement	30	30	0%	14-Jan-26	12-Feb-26	07-Sep-25	06-Oct-25	-129	
06-7030(6)	Delivery to Site	21	21	0%	06-Feb-26	26-Feb-26	30-Sep-25	20-Oct-25	-129	
Procurement for Curtain Wall Materials		295	56		18-Oct-24 A	24-Feb-26	29-May-25	23-Jul-25	-216	
06-8210(6D)	Material & Equipment Procurement	90	54	40%	18-Oct-24 A	22-Feb-26	31-May-25	23-Jul-25	-214	
06-8220(6D)	Factory Acceptance Test (FAT)	60	42	30%	30-Jun-25 A	22-Feb-26	12-Jun-25	23-Jul-25	-214	
06-8230(6D)	Delivery to Site	70	56	20%	30-Jun-25 A	24-Feb-26	29-May-25	23-Jul-25	-216	
Off-site Precasting of Facade Panels		179	27		30-Jun-25 A	26-Jan-26	10-Aug-25	05-Sep-25	-143	
Chimney		179	27		30-Jun-25 A	26-Jan-26	10-Aug-25	05-Sep-25	-143	
06-8280	Steel Claddings Fabrication	67	27	60%	30-Jun-25 A	26-Jan-26	10-Aug-25	05-Sep-25	-143	
06-8290	Factory Acceptance Test (FAT)	60	24	60%	22-Jul-25 A	26-Jan-26	13-Aug-25	05-Sep-25	-143	
06-8300	Delivery to Site	30	27	10%	20-Nov-25 A	26-Jan-26	10-Aug-25	05-Sep-25	-143	
Procurement for O&M		1214	149		30-Jun-20 A	28-May-26	06-Jul-25	24-Dec-25	-155	
Procurement for Mobile Plant		1136	142		30-Jun-20 A	21-May-26	05-Aug-25	24-Dec-25	-148	
06-1080(7I)	Material Submission and Approval	60	85	0%	30-Jun-20 A	25-Mar-26	01-Oct-25	24-Dec-25	-91	
06-1090(7I)	Procurement	90	96	0%	02-Jun-25 A	05-Apr-26	20-Sep-25	24-Dec-25	-102	
06-1100(7I)	Factory Acceptance Test (FAT)	120	126	0%	28-Sep-25 A	05-May-26	21-Aug-25	24-Dec-25	-132	
06-1110(7I)	Delivery to Site	85	142	0%	21-Apr-25 A	21-May-26	05-Aug-25	24-Dec-25	-148	
Procurement for Pilot Electric Vehicle		1214	149		29-May-25 A	28-May-26	29-Jul-25	24-Dec-25	-155	
06-1120(7I)	Material Submission and Approval	60	26	56.67%	29-May-25 A	25-Jan-26	29-Jul-25	23-Aug-25	-155	
06-1130(7I)	Procurement	31	31	0%	26-Jan-26	25-Feb-26	24-Aug-25	23-Sep-25	-155	
06-1140(7I)	Factory Acceptance Test (FAT)	31	31	0%	26-Feb-26	28-Mar-26	24-Sep-25	24-Oct-25	-155	
06-1150(7I)	Delivery to Site	61	61	0%	29-Mar-26	28-May-26	25-Oct-25	24-Dec-25	-155	
Procurement for Mobile Equipment for MT Plant		21	21		23-Feb-26	15-Mar-26	03-Dec-25	23-Dec-25	-82	
06-1180(7I)	Factory Acceptance Test (FAT)	8	8	0%	23-Feb-26*	02-Mar-26	03-Dec-25	10-Dec-25	-82	
06-1190(7I)	Delivery to Site	13	13	0%	03-Mar-26	15-Mar-26	11-Dec-25	23-Dec-25	-82	
Procurement for Vehicles for Passenger		50	120		13-Aug-25 A	29-Apr-26	06-Jul-25	02-Nov-25	-178	
06-1200(7I)	Material Submission and Approval	50	120	0%	13-Aug-25 A	29-Apr-26	06-Jul-25	02-Nov-25	-178	Remove Actual Finish Date
Procurement for BMU for Chimney		80	80		14-Jan-26	03-Apr-26	17-Jul-25	04-Oct-25	-181	
06-1280(7J)	Material Submission and Approval	30	30	0%	14-Jan-26	12-Feb-26	17-Jul-25	15-Aug-25	-181	
06-1290(7J)	Procurement	30	30	0%	13-Feb-26	14-Mar-26	16-Aug-25	14-Sep-25	-181	
06-1300(7J)	Factory Acceptance Test (FAT)	20	20	0%	15-Mar-26	03-Apr-26	15-Sep-25	04-Oct-25	-181	
Procurement for Storm Gate System		67	67		27-Jan-26	03-Apr-26	20-Jul-25	24-Sep-25	-191	
06-1320(7J)	Material Submission and Approval	30	30	0%	27-Jan-26	25-Feb-26	20-Jul-25	18-Aug-25	-191	



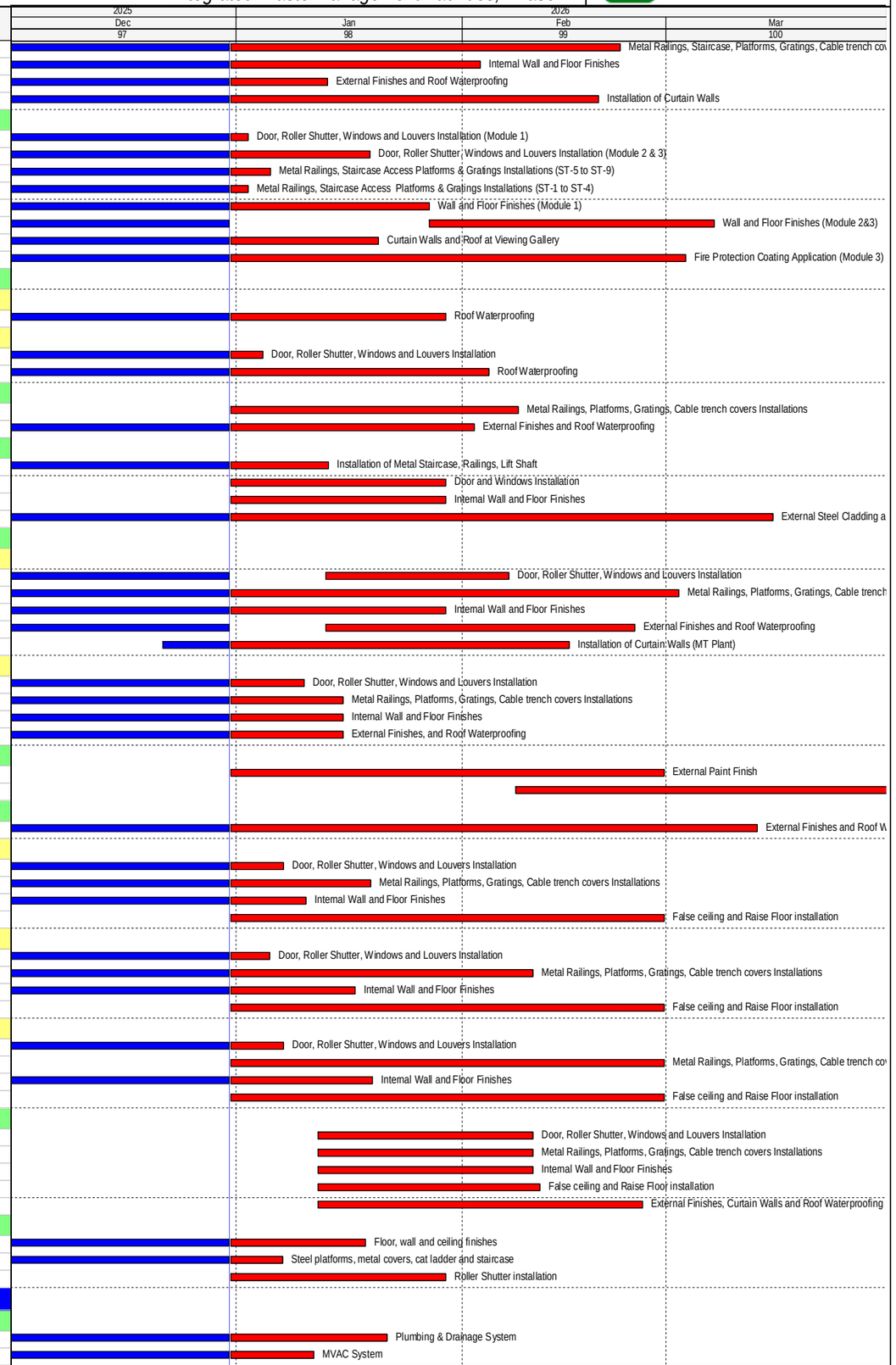
Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
06-1330(7J)	Procurement	15	15	0%	26-Feb-26	12-Mar-26	19-Aug-25	02-Sep-25	-191	
06-1340(7J)	Factory Acceptance Test (FAT)	15	15	0%	13-Mar-26	27-Mar-26	03-Sep-25	17-Sep-25	-191	
06-1350(7J)	Delivery to Site	7	7	0%	28-Mar-26	03-Apr-26	18-Sep-25	24-Sep-25	-191	
Maritime Works		2328	105		01-Dec-23 A	14-Apr-26	24-May-25	24-Oct-25	-172	
Marine Construction		2328	105		01-Dec-23 A	14-Apr-26	24-May-25	24-Oct-25	-172	
Phase I - Construction of Perimeter Seawalls		2328	105		01-Dec-23 A	14-Apr-26	24-May-25	24-Oct-25	-172	
Seawall and Berth at DCM Area		2328	105		01-Dec-23 A	14-Apr-26	24-May-25	24-Oct-25	-172	
Seawall Structural Works		2328	105		01-Dec-23 A	14-Apr-26	24-May-25	24-Oct-25	-172	
Remain Works		2328	105		01-Dec-23 A	14-Apr-26	24-May-25	24-Oct-25	-172	
08-1120-4(M55)	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B No. C73 & C74	60	2	96.51%	01-Dec-23 A	02-Jan-26	24-May-25	26-May-25	-220	
08-1175-2(M90)	Construction of Crane Rails for On-Shore Cranes	445	62	86.07%	12-Sep-24 A	02-Mar-26	06-Jun-25	06-Aug-25	-208	
08-1320(6)	Construction of Rear Wall Buttress & Panel for Seawall A	150	15	90.1%	10-Feb-25 A	14-Jan-26	24-May-25	07-Jun-25	-221	
08-1325-2(M90)	Installation of Rubber Fenders at Berth Caissons	30	4	88%	08-Aug-25 A	03-Jan-26	27-Jul-25	30-Jul-25	-157	
08-1325-4(M90)	Construction of Viewing Deck (Sky Pavilion) at +13mPD at Caissons No. 30 to 34	90	90	0%	15-Jan-26*	14-Apr-26	27-Jul-25	24-Oct-25	-172	
Seawall at Dredging Area		60	32		08-Aug-24 A	31-Jan-26	23-Sep-25	24-Oct-25	-99	
Remain Works		60	32		08-Aug-24 A	31-Jan-26	23-Sep-25	24-Oct-25	-99	
08-1175-1(M90)	Construction of Front Wave Wall Above the Deck Level (i.e., +6mPD)	60	32	46.67%	08-Aug-24 A	31-Jan-26	23-Sep-25	24-Oct-25	-99	Remove Actual Finish Date
Phase II - Reclamation, Breakwater and Berth Construction		102	102		02-Dec-25 A	14-Apr-26	14-Jul-25	24-Oct-25	-171	
Breakwater		102	102		02-Dec-25 A	14-Apr-26	14-Jul-25	24-Oct-25	-171	
Remain Works		102	102		02-Dec-25 A	14-Apr-26	14-Jul-25	24-Oct-25	-171	
08-1310(7)	Breakwater Profile Barrier and Pavement Road	60	59	2%	02-Dec-25 A	02-Mar-26	14-Jul-25	11-Sep-25	-171	Update Actual Start Date
08-1320-1(M90)	Construction of Landing Steps	30	30	0%	12-Feb-26	14-Mar-26	25-Aug-25	23-Sep-25	-171	
08-1320-2(M90)	Construction of Landing Steps and Covered Walkway at Breakwater K	47	47	0%	26-Feb-26	14-Apr-26	08-Sep-25	24-Oct-25	-171	
08-1320-3(M90)	Construction of Navigation Lights	30	30	0%	15-Mar-26	14-Apr-26	25-Sep-25	24-Oct-25	-171	
Foundation Works		22	22		31-Dec-25	21-Jan-26	29-Sep-25	20-Oct-25	-93	
ACC Equipment Foundation		22	22		31-Dec-25	21-Jan-26	29-Sep-25	20-Oct-25	-93	
ACC Pile Cap Construction		22	22		31-Dec-25	21-Jan-26	29-Sep-25	20-Oct-25	-93	
09-1720-1(M58)	On-grade Slab Construction Grid ACA-ACG, AC3-AC4	22	22	0%	31-Dec-25	21-Jan-26	29-Sep-25	20-Oct-25	-93	
Superstructure Works		537	105		09-Nov-24 A	14-Apr-26	26-May-25	05-Sep-25	-221	
Administration & Viewing Gallery Bld Structure		50	15		02-Dec-25 A	14-Jan-26	21-Jun-25	05-Jul-25	-193	
10-1080(M63)	Facade Structural Frame Installation	50	15	70%	02-Dec-25 A	14-Jan-26	21-Jun-25	05-Jul-25	-193	Update Actual Start Date
Sky Deck Structure		91	15		15-Sep-25 A	14-Jan-26	16-Jun-25	30-Jun-25	-198	
10-2310 (M55)	Construction of RC Column (16nr, 0.9m Dia x 11m, 3 pours @ 5d/pour with 4 formwork sets)	32	2	92.5%	15-Sep-25 A	02-Jan-26	28-Jun-25	30-Jun-25	-185	
10-2315 (7)	Beam & Slab to Deck Level app.+18mPD (appx. 600m3)	30	15	50%	20-Dec-25 A	14-Jan-26	16-Jun-25	30-Jun-25	-198	Update Actual Start Date
Process Building - Waste Bunker & Tipping Hall Bld Structure		140	17		16-Jul-25 A	16-Jan-26	20-Jul-25	17-Aug-25	-152	
Waste & Ash Bunker Bld Structure		140	17		16-Jul-25 A	16-Jan-26	20-Jul-25	17-Aug-25	-152	
Process Building Waste & Ash Bunker Bld Misc. Steel Structure		140	17		16-Jul-25 A	16-Jan-26	20-Jul-25	17-Aug-25	-152	
10-2370-1(7L)	Installation of Movement Joint at Bunker and Boiler	30	17	45%	04-Oct-25 A	16-Jan-26	01-Aug-25	17-Aug-25	-152	Update Actual Start Date
10-2370-2(7L)	Wearing layer at Waste Reception, Bottom Ash Storage & Loading and Flue Gas Treatment Area	140	3	98%	16-Jul-25 A	02-Jan-26	20-Jul-25	22-Jul-25	-164	
Process Building - Boiler & Flue Gas Treatment Bld Structure		220	13		09-Nov-24 A	12-Jan-26	01-Jul-25	19-Aug-25	-146	
Process Building Internal Partition Wall and Staircase		220	13		09-Nov-24 A	12-Jan-26	01-Jul-25	19-Aug-25	-146	
10-1850	RC Partition and Staircase at Module 1	90	2	98%	09-Nov-24 A	01-Jan-26	01-Jul-25	02-Jul-25	-183	
10-1860	RC Partition and Staircase at Module 2	69	4	94%	08-Mar-25 A	04-Jan-26	15-Jul-25	19-Jul-25	-168	
10-1870	RC Partition and Staircase at Module 3	69	13	65%	31-Mar-25 A	12-Jan-26	06-Aug-25	19-Aug-25	-146	
Mechanical Treatment Plant Bld Structure		90	90		14-Jan-26	14-Apr-26	08-Jun-25	05-Sep-25	-221	
10-2170-1(7K)	Decking Between MT Plant Building and Rear Wavewall	90	90	0%	14-Jan-26	14-Apr-26	08-Jun-25	05-Sep-25	-221	
Elevated Drive Way and Associated Structures		14	2		28-Jan-25 A	02-Jan-26	09-Aug-25	11-Aug-25	-143	
Elevated Drive Way RSX to RSAB		14	2		28-Jan-25 A	02-Jan-26	09-Aug-25	11-Aug-25	-143	
10-2440(M81)	Wall & Column to +17.5 Ramp Level	14	2	85%	28-Jan-25 A	02-Jan-26	09-Aug-25	11-Aug-25	-143	
Reception Pavilion Structure		24	24		21-Dec-25 A	23-Jan-26	04-Jun-25	27-Jun-25	-210	
10-2280	Reception Pavilion RC Structure Construction	24	12	50%	21-Dec-25 A	11-Jan-26	16-Jun-25	27-Jun-25	-198	Update Actual Start Date
10-2290	Roof	24	24	0%	31-Dec-25	23-Jan-26	04-Jun-25	27-Jun-25	-210	
Vessel Offloading Point		91	91		02-Jan-26	03-Apr-26	26-May-25	25-Aug-25	-220	
08-2410(6D)	Construction of Passenger Vessel Berth	91	91	0%	02-Jan-26	03-Apr-26	26-May-25	25-Aug-25	-220	
Architectural Builders Works & Finishes		770	99		20-Nov-23 A	08-Apr-26	23-May-25	09-Dec-25	-120	
Administration & Viewing Gallery Bld ABWF Works		396	90		12-Feb-25 A	30-Mar-26	28-May-25	09-Dec-25	-111	
11-1010	External Door and Windows	90	87	3%	01-Aug-25 A	28-Mar-26	30-May-25	25-Aug-25	-214	
11-1020	Metal Railings, Platforms and Misc. Metal Works Installations	90	87	3%	01-Aug-25 A	28-Mar-26	10-Jun-25	05-Sep-25	-203	
11-1030	Internal Wall, Door and Floor Finishes	150	57	62%	12-Feb-25 A	25-Feb-26	28-May-25	23-Jul-25	-217	
11-1040	False ceiling and Raise Floor installation	90	90	0%	31-Dec-25	30-Mar-26	28-May-25	25-Aug-25	-217	
11-1050	Roof Waterproofing	30	30	0%	31-Dec-25	29-Jan-26	07-Aug-25	05-Sep-25	-146	
11-1050-1(7C)	External Louver Wall, Window Wall and Cladding Wall Erection	90	53	7%	05-Jun-25 A	24-Feb-26	28-Sep-25	19-Nov-25	-97	
11-1050-1(7L)	Installation of Curtain Wall (Admin Building)	54	54	0%	31-Dec-25	22-Feb-26	27-Sep-25	19-Nov-25	-95	
11-1050-1(M63)	Facade Panels Erection (130pcs. @4pc/day)	30	12	60%	11-Dec-25 A	11-Jan-26	14-Aug-25	25-Aug-25	-139	Update Actual Start DAte
11-1060-1(7J)	Link Bridge Between Administration Building and MT Plant Building	60	60	0%	31-Dec-25	28-Feb-26	08-Jul-25	05-Sep-25	-176	
11-1070-1(7K)	Visitors and Environmental Education Facilities	60	60	0%	16-Jan-26	16-Mar-26	11-Oct-25	09-Dec-25	-97	
Sky Deck ABWF Works		50	50		15-Jan-26	05-Mar-26	18-Jul-25	05-Sep-25	-181	
11-1540(M62)	Metal Railings, Platforms and Misc. Metal Works Installations	50	50	0%	15-Jan-26	05-Mar-26	18-Jul-25	05-Sep-25	-181	
11-1570(M62)	External Finishes, Roof Waterproofing	50	50	0%	15-Jan-26	05-Mar-26	18-Jul-25	05-Sep-25	-181	
Process Building - Waste Bunker & Tipping Hall Bld ABWF Works		547	54		20-Nov-23 A	22-Feb-26	07-Jul-25	05-Sep-25	-170	
11-1060	Door, Roller Shutter, Windows and Louvers Installation	180	15	91.44%	02-Nov-24 A	15-Jan-26	01-Aug-25	16-Aug-25	-152	



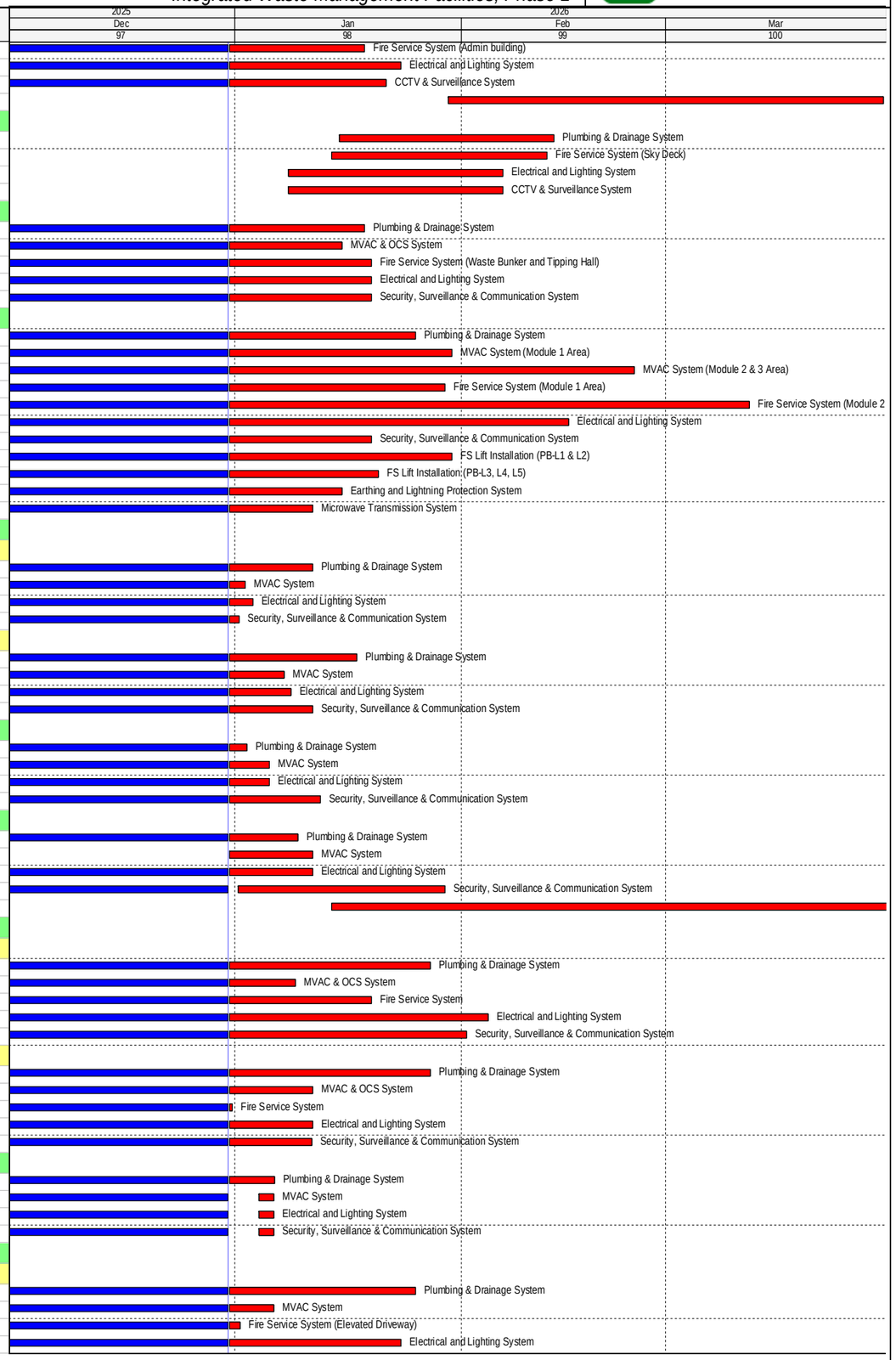
Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
11-1070	Metal Railings, Staircase, Platforms, Gratings, Cable trench covers Installations	90	54	40%	10-May-25 A	22-Feb-26	14-Jul-25	05-Sep-25	-170	
11-1080	Internal Wall and Floor Finishes	230	35	85%	20-Nov-23 A	03-Feb-26	07-Jul-25	10-Aug-25	-177	
11-1100	External Finishes and Roof Waterproofing	90	14	85%	20-Feb-24 A	13-Jan-26	01-Aug-25	14-Aug-25	-152	
11-1100-1(7L)	Installation of Curtain Walls	90	51	43.33%	11-Nov-25 A	19-Feb-26	17-Jul-25	05-Sep-25	-167	
Process Building - Boiler & Flue Gas Bld ABWF Works		516	67		01-Aug-24 A	07-Mar-26	20-Jun-25	04-Sep-25	-184	
11-1110	Door, Roller Shutter, Windows and Louvers Installation (Module 1)	60	3	95%	25-Feb-25 A	02-Jan-26	01-Aug-25	03-Aug-25	-152	
11-1110-1(7C)	Door, Roller Shutter, Windows and Louvers Installation (Module 2 & 3)	90	19	78.86%	05-May-25 A	19-Jan-26	06-Aug-25	25-Aug-25	-146	
11-1120	Metal Railings, Staircase Access Platforms & Gratings Installations (ST-5 to ST-9)	60	6	90%	09-Nov-25 A	05-Jan-26	23-Aug-25	28-Aug-25	-130	
11-1120-1(7C)	Metal Railings, Staircase Access Platforms & Gratings Installations (ST-1 to ST-4)	60	3	95%	09-Nov-25 A	02-Jan-26	23-Aug-25	25-Aug-25	-130	
11-1130	Wall and Floor Finishes (Module 1)	180	28	84.67%	01-Aug-24 A	27-Jan-26	20-Jun-25	17-Jul-25	-194	
11-1130-1(7C)	Wall and Floor Finishes (Module 2&3)	60	39	35%	01-Jun-25 A	07-Mar-26	18-Jul-25	25-Aug-25	-194	
11-1140	Curtain Walls and Roof at Viewing Gallery	35	21	41%	02-Jul-25 A	20-Jan-26	15-Aug-25	04-Sep-25	-138	
11-1590-3(7K)	Fire Protection Coating Application (Module 3)	90	63	30%	01-Apr-25 A	03-Mar-26	24-Jun-25	25-Aug-25	-190	
Turbine Hall Bld ABWF Works		171	36		17-Jan-25 A	04-Feb-26	01-Aug-25	05-Sep-25	-152	
Electrical Bld ABWF Works		60	30		17-Jan-25 A	29-Jan-26	07-Aug-25	05-Sep-25	-146	
11-1190	Roof Waterproofing	60	30	50%	17-Jan-25 A	29-Jan-26	07-Aug-25	05-Sep-25	-146	
Turbine Hall ABWF Works		148	36		07-Mar-25 A	04-Feb-26	01-Aug-25	05-Sep-25	-152	
11-1200	Door, Roller Shutter, Windows and Louvers Installation	60	5	92%	07-Mar-25 A	04-Jan-26	21-Aug-25	25-Aug-25	-132	
11-1240	Roof Waterproofing	60	36	40%	22-May-25 A	04-Feb-26	01-Aug-25	05-Sep-25	-152	
Compressor & CCCW Bld ABWF Works		101	40		14-Oct-25 A	08-Feb-26	28-Jul-25	05-Sep-25	-156	
11-1260	Metal Railings, Platforms, Gratings, Cable trench covers Installations	40	40	0%	31-Dec-25	08-Feb-26	28-Jul-25	05-Sep-25	-156	
11-1290	External Finishes and Roof Waterproofing	40	34	15%	14-Oct-25 A	02-Feb-26	03-Aug-25	05-Sep-25	-150	
Chimney ABWF Works		350	75		13-Jan-25 A	15-Mar-26	21-Jun-25	05-Sep-25	-191	
11-1000	Installation of Metal Staircase, Railings, Lift Shaft	350	14	96%	13-Jan-25 A	13-Jan-26	12-Aug-25	25-Aug-25	-141	
11-1490	Door and Windows Installation	30	30	0%	31-Dec-25	29-Jan-26	27-Jul-25	25-Aug-25	-157	
11-1500	Internal Wall and Floor Finishes	30	30	0%	31-Dec-25	29-Jan-26	21-Jun-25	20-Jul-25	-193	
11-1520	External Steel Cladding and Waterproofing	83	75	10%	25-Aug-25 A	15-Mar-26	23-Jun-25	05-Sep-25	-191	
Mechanical Treatment Plant & Water Treatment Plant Bld ABWF Works		357	62		06-Jan-25 A	02-Mar-26	23-May-25	05-Sep-25	-178	
Mechanical Treatment Plant ABWF Works		357	62		06-Jan-25 A	02-Mar-26	23-May-25	05-Sep-25	-178	
11-1300	Door, Roller Shutter, Windows and Louvers Installation	90	25	72%	27-Feb-25 A	07-Feb-26	28-Jun-25	23-Jul-25	-198	
11-1310	Metal Railings, Platforms, Gratings, Cable trench covers Installations	120	62	38%	28-Jun-25 A	02-Mar-26	23-May-25	23-Jul-25	-222	
11-1320	Internal Wall and Floor Finishes	120	30	75%	26-Feb-25 A	29-Jan-26	23-May-25	21-Jun-25	-222	
11-1330	External Finishes and Roof Waterproofing	90	43	20%	06-Jan-25 A	24-Feb-26	11-Jun-25	23-Jul-25	-216	
11-1330-0(7L)	Installation of Curtain Walls (MT Plant)	51	47	8%	22-Dec-25 A	15-Feb-26	21-Jul-25	05-Sep-25	-163	Update Actual Start Date
Water Treatment Plant ABWF Works		248	16		27-Feb-25 A	15-Jan-26	01-Jul-25	16-Jul-25	-183	
11-1600(7)	Door, Roller Shutter, Windows and Louvers Installation	60	10	92%	27-Feb-25 A	10-Jan-26	06-Jul-25	16-Jul-25	-177	
11-1610(7)	Metal Railings, Platforms, Gratings, Cable trench covers Installations	40	16	38%	02-Oct-25 A	15-Jan-26	01-Jul-25	16-Jul-25	-183	
11-1620(7)	Internal Wall and Floor Finishes	62	16	75%	20-May-25 A	15-Jan-26	01-Jul-25	16-Jul-25	-183	
11-1630(7)	External Finishes, and Roof Waterproofing	40	16	5%	20-Oct-25 A	15-Jan-26	01-Jul-25	16-Jul-25	-183	
IWMF Substation ABWF Works		99	99		31-Dec-25	08-Apr-26	30-May-25	05-Sep-25	-215	
11-1380-1(7C)	External Paint Finish	60	60	0%	31-Dec-25	28-Feb-26	30-May-25	28-Jul-25	-215	
11-1380-2(7C)	Green Wall Planter Installation	60	60	0%	08-Feb-26	08-Apr-26	08-Jul-25	05-Sep-25	-215	
Elevated Drive Way and Associated Structures ABWF Works		335	73		08-Mar-25 A	13-Mar-26	13-Jun-25	05-Sep-25	-189	
11-1430	External Finishes and Roof Waterproofing	132	73	45%	01-Aug-25 A	13-Mar-26	25-Jun-25	05-Sep-25	-189	
Elevated Drive Way RSA to RSG		313	60		08-Mar-25 A	28-Feb-26	26-Jun-25	30-Aug-25	-182	
11-1390	Door, Roller Shutter, Windows and Louvers Installation	30	8	75%	09-Apr-25 A	07-Jan-26	30-Jun-25	07-Jul-25	-184	
11-1400	Metal Railings, Platforms, Gratings, Cable trench covers Installations	30	20	35%	01-Nov-25 A	19-Jan-26	11-Aug-25	30-Aug-25	-142	
11-1410	Internal Wall and Floor Finishes	60	11	82%	08-Mar-25 A	10-Jan-26	26-Jun-25	07-Jul-25	-187	
11-1420	False ceiling and Raise Floor installation	60	60	0%	31-Dec-25	28-Feb-26	27-Jun-25	25-Aug-25	-187	
Elevated Drive Way RSG to RSU		305	60		01-Apr-25 A	28-Feb-26	15-Jun-25	05-Sep-25	-176	
11-1390-1(M76)	Door, Roller Shutter, Windows and Louvers Installation	30	6	81%	08-Jun-25 A	05-Jan-26	31-Aug-25	05-Sep-25	-122	
11-1400-1(M76)	Metal Railings, Platforms, Gratings, Cable trench covers Installations	60	42	30%	01-Nov-25 A	10-Feb-26	26-Jul-25	05-Sep-25	-158	
11-1410-1(M76)	Internal Wall and Floor Finishes	57	17	70%	01-Apr-25 A	17-Jan-26	15-Jun-25	02-Jul-25	-198	
11-1420-1(M76)	False ceiling and Raise Floor installation	60	60	0%	31-Dec-25	28-Feb-26	27-Jun-25	25-Aug-25	-187	
Elevated Drive Way RSU to RSAF		335	60		08-Mar-25 A	28-Feb-26	13-Jun-25	05-Sep-25	-176	
11-1390-2(M76)	Door, Roller Shutter, Windows and Louvers Installation	30	8	75%	01-Jul-25 A	07-Jan-26	29-Aug-25	05-Sep-25	-124	
11-1400-2(M76)	Metal Railings, Platforms, Gratings, Cable trench covers Installations	60	60	0%	31-Dec-25	28-Feb-26	08-Jul-25	05-Sep-25	-176	
11-1410-2(M76)	Internal Wall and Floor Finishes	60	20	25%	08-Mar-25 A	19-Jan-26	13-Jun-25	02-Jul-25	-201	
11-1420-2(M76)	False ceiling and Raise Floor installation	60	60	0%	31-Dec-25	28-Feb-26	27-Jun-25	25-Aug-25	-187	
Reception Pavilion ABWF Works		45	45		12-Jan-26	25-Feb-26	16-Jun-25	05-Sep-25	-173	
11-1440	Door, Roller Shutter, Windows and Louvers Installation	30	30	0%	12-Jan-26	10-Feb-26	16-Jun-25	15-Jul-25	-210	
11-1450	Metal Railings, Platforms, Gratings, Cable trench covers Installations	30	30	0%	12-Jan-26	10-Feb-26	16-Jun-25	15-Jul-25	-210	
11-1460	Internal Wall and Floor Finishes	30	30	0%	12-Jan-26	10-Feb-26	16-Jun-25	15-Jul-25	-210	
11-1470	False ceiling and Raise Floor installation	31	31	0%	12-Jan-26	11-Feb-26	16-Jun-25	16-Jul-25	-210	
11-1480	External Finishes, Curtain Walls and Roof Waterproofing	45	45	0%	12-Jan-26	25-Feb-26	23-Jul-25	05-Sep-25	-173	
Seawater Intake Chamber ABWF Works		238	30		06-May-25 A	29-Jan-26	04-Jun-25	03-Jul-25	-210	
11-1670(7)	Floor, wall and ceiling finishes	26	19	26.92%	24-Jul-25 A	18-Jan-26	11-Jun-25	30-Jun-25	-203	
11-1680(7)	Steel platforms, metal covers, cat ladder and staircase	24	7	70%	06-May-25 A	07-Jan-26	04-Jun-25	11-Jun-25	-210	
11-1690(7)	Roller Shutter installation	30	30	0%	31-Dec-25	29-Jan-26	04-Jun-25	03-Jul-25	-210	
Building Services Installation		763	91		20-May-22 A	31-Mar-26	24-May-25	31-Dec-25	-91	
Administration & Viewing Gallery Bld BS Works		547	90		15-Sep-24 A	30-Mar-26	21-Jun-25	23-Dec-25	-97	
12-1000	Plumbing & Drainage System	120	22	54%	21-Oct-24 A	21-Jan-26	25-Jun-25	16-Jul-25	-189	
12-1010	MVAC System	120	12	26%	28-Jan-25 A	11-Jan-26	21-Jun-25	02-Jul-25	-193	



Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
12-1020	Fire Service System (Admin building)	120	19	69%	15-Sep-24 A	18-Jan-26	09-Oct-25	27-Oct-25	-83	
12-1030	Electrical and Lighting System	150	24	47%	15-Sep-24 A	23-Jan-26	23-Jun-25	16-Jul-25	-191	
12-1040	CCTV & Surveillance System	150	22	65%	05-Nov-24 A	21-Jan-26	25-Jun-25	16-Jul-25	-189	
12-1050-1(5A)	Installation & Commissioning Test of Education facilities	60	60	0%	30-Jan-26	30-Mar-26	25-Oct-25	23-Dec-25	-97	
Sky Deck BS Works		37	37		08-Jan-26	13-Feb-26	24-Jun-25	19-Nov-25	-86	
12-1580(M62)	Plumbing & Drainage System	30	30	0%	15-Jan-26	13-Feb-26	29-Jul-25	27-Aug-25	-170	
12-1600(M62)	Fire Service System (Sky Deck)	30	30	0%	14-Jan-26	12-Feb-26	21-Oct-25	19-Nov-25	-85	
12-1610(M62)	Electrical and Lighting System	30	30	0%	08-Jan-26	06-Feb-26	24-Jun-25	23-Jul-25	-198	
12-1620(M62)	CCTV & Surveillance System	30	30	0%	08-Jan-26	06-Feb-26	24-Jun-25	23-Jul-25	-198	
Process Building - Waste Bunker & Tipping Hall Bld BS Works		210	20		11-Oct-23 A	19-Jan-26	17-Jun-25	20-Aug-25	-152	
12-1060	Plumbing & Drainage System	180	19	60%	11-Oct-23 A	18-Jan-26	28-Jun-25	16-Jul-25	-186	
12-1070	MVAC & OCS System	120	16	65%	14-Oct-23 A	15-Jan-26	17-Jun-25	02-Jul-25	-197	
12-1080	Fire Service System (Waste Bunker and Tipping Hall)	180	20	60%	11-Oct-23 A	19-Jan-26	01-Aug-25	20-Aug-25	-152	
12-1090	Electrical and Lighting System	180	20	75%	18-Oct-23 A	19-Jan-26	27-Jun-25	16-Jul-25	-187	
12-1100	Security, Surveillance & Communication System	180	20	60%	25-Apr-24 A	19-Jan-26	28-Jun-25	17-Jul-25	-186	
Process Building - Boiler & Flue Gas Bld BS Works		713	71		20-May-22 A	12-Mar-26	31-May-25	31-Dec-25	-71	
12-1110	Plumbing & Drainage System	180	26	85.22%	11-Oct-23 A	25-Jan-26	29-Jun-25	24-Jul-25	-185	
12-1120	MVAC System (Module 1 Area)	180	31	71.56%	14-Oct-23 A	30-Jan-26	02-Jun-25	02-Jul-25	-212	
12-1120-1(7C)	MVAC System (Module 2 & 3 Area)	60	56	7%	22-Oct-25 A	24-Feb-26	21-Oct-25	15-Dec-25	-71	
12-1130	Fire Service System (Module 1 Area)	180	30	50%	11-Oct-23 A	29-Jan-26	01-Aug-25	30-Aug-25	-152	Changed remaining duration to 30d
12-1130-1(7C)	Fire Service System (Module 2 & 3 Areas)	72	71	1%	01-Oct-25 A	12-Mar-26	21-Oct-25	31-Dec-25	-71	
12-1140	Electrical and Lighting System	180	47	61.22%	18-Oct-23 A	15-Feb-26	31-May-25	16-Jul-25	-214	
12-1150	Security, Surveillance & Communication System	180	20	45.89%	25-Apr-24 A	19-Jan-26	28-Jun-25	17-Jul-25	-186	
12-1160	FS Lift Installation (PB-L1 & L2)	77	31	1%	22-Oct-25 A	30-Jan-26	08-Sep-25	08-Oct-25	-114	
12-1160-1(7C)	FS Lift Installation (PB-L3, L4, L5)	73	21	4%	22-Oct-25 A	20-Jan-26	12-Sep-25	02-Oct-25	-110	
12-1580(6E)	Earthing and Lightning Protection System	180	16	21.11%	20-May-22 A	15-Jan-26	07-Jul-25	22-Jul-25	-177	
12-2140(6D)	Microwave Transmission System	60	12	80%	31-Aug-25 A	11-Jan-26	05-Jul-25	16-Jul-25	-179	Remove Actual Finish Date
Turbine Hall Bld BS Works		152	18		11-Oct-23 A	17-Jan-26	25-Jun-25	04-Aug-25	-166	
Electrical Bld BS Works		120	12		11-Oct-23 A	11-Jan-26	30-Jun-25	12-Jul-25	-183	
12-1270	Plumbing & Drainage System	60	12	80%	11-Oct-23 A	11-Jan-26	30-Jun-25	12-Jul-25	-183	
12-1280	MVAC System	120	2	98%	25-Feb-24 A	02-Jan-26	30-Jun-25	02-Jul-25	-183	
12-1300	Electrical and Lighting System	120	4	97%	11-Oct-23 A	03-Jan-26	09-Jul-25	12-Jul-25	-175	
12-1310	Security, Surveillance & Communication System	90	2	98%	25-Feb-24 A	01-Jan-26	09-Jul-25	10-Jul-25	-175	
Turbine Hall BS Works		60	18		01-Oct-25 A	17-Jan-26	25-Jun-25	04-Aug-25	-166	
12-1320	Plumbing & Drainage System	30	18	40%	31-Oct-25 A	17-Jan-26	25-Jun-25	12-Jul-25	-189	
12-1330	MVAC System	40	8	80%	08-Oct-25 A	07-Jan-26	25-Jun-25	02-Jul-25	-189	
12-1350	Electrical and Lighting System	30	9	70%	01-Oct-25 A	08-Jan-26	08-Jul-25	16-Jul-25	-176	
12-1360	Security, Surveillance & Communication System	30	12	60%	15-Oct-25 A	11-Jan-26	24-Jul-25	04-Aug-25	-160	
Compressor & CCCW Bld BS Works		192	13		20-Mar-24 A	12-Jan-26	27-Jun-25	10-Jul-25	-186	
12-1370	Plumbing & Drainage System	60	3	95%	31-Mar-24 A	02-Jan-26	27-Jun-25	29-Jun-25	-187	
12-1380	MVAC System	120	6	95%	15-May-24 A	05-Jan-26	27-Jun-25	02-Jul-25	-187	
12-1400	Electrical and Lighting System	120	6	95%	20-Mar-24 A	05-Jan-26	28-Jun-25	03-Jul-25	-186	
12-1410	Security, Surveillance & Communication System	90	13	50%	20-Mar-24 A	12-Jan-26	28-Jun-25	10-Jul-25	-186	Remove Actual Finish Date
Chimney BS Works		183	91		16-Sep-25 A	31-Mar-26	21-Jun-25	23-Nov-25	-128	
12-1520	Plumbing & Drainage System	14	10	30%	16-Sep-25 A	09-Jan-26	04-Aug-25	13-Aug-25	-149	
12-1530	MVAC System	12	12	0%	31-Dec-25	11-Jan-26	21-Jun-25	02-Jul-25	-193	
12-1550	Electrical and Lighting System	30	12	60%	08-Oct-25 A	11-Jan-26	05-Jul-25	16-Jul-25	-179	
12-1560	Security, Surveillance & Communication System	30	29	5%	31-Oct-25 A	29-Jan-26	30-Jun-25	28-Jul-25	-185	
12-1570	Lift Installation (Chimney)	77	77	0%	14-Jan-26	31-Mar-26	08-Sep-25	23-Nov-25	-128	Update Original Duration from 151d to 12(
Mechanical Treatment Plant & Water Treatment Plant Bld BS Works		455	36		30-Jun-24 A	04-Feb-26	11-Jun-25	20-Oct-25	-107	
Mechanical Treatment BS Works		182	36		31-Mar-25 A	04-Feb-26	11-Jun-25	20-Aug-25	-168	
12-1420	Plumbing & Drainage System	40	28	24%	31-Mar-25 A	27-Jan-26	19-Jun-25	16-Jul-25	-195	
12-1430	MVAC & OCS System	35	9	74%	31-Mar-25 A	09-Jan-26	23-Jun-25	02-Jul-25	-190	
12-1440	Fire Service System	77	20	61%	26-May-25 A	19-Jan-26	01-Aug-25	20-Aug-25	-152	
12-1450	Electrical and Lighting System	120	36	42%	26-May-25 A	04-Feb-26	11-Jun-25	16-Jul-25	-203	
12-1460	Security, Surveillance & Communication System	80	33	31%	31-Mar-25 A	01-Feb-26	03-Jul-25	04-Aug-25	-181	
Water Treatment Plant BS Works		151	28		30-Jun-24 A	27-Jan-26	19-Jun-25	20-Oct-25	-99	
12-1580(7)	Plumbing & Drainage System	120	28	66%	30-Jun-24 A	27-Jan-26	19-Jun-25	16-Jul-25	-195	
12-1590(7)	MVAC & OCS System	120	12	90%	27-Jul-24 A	11-Jan-26	21-Jun-25	02-Jul-25	-193	
12-1600(7)	Fire Service System	107	1	90%	28-Jul-24 A	31-Dec-25	20-Oct-25	20-Oct-25	-72	
12-1610(7)	Electrical and Lighting System	120	12	90%	15-Aug-24 A	11-Jan-26	05-Jul-25	16-Jul-25	-179	
12-1620(7)	Security, Surveillance & Communication System	90	12	87%	30-Jul-24 A	11-Jan-26	06-Jul-25	17-Jul-25	-178	
IWMF Substation BS Works		120	6		10-Oct-23 A	06-Jan-26	01-Jul-25	15-Jul-25	-175	
12-1470	Plumbing & Drainage System	90	6	93%	10-Oct-23 A	06-Jan-26	09-Jul-25	15-Jul-25	-175	
12-1480	MVAC System	90	2	98%	11-Oct-23 A	06-Jan-26	01-Jul-25	02-Jul-25	-187	
12-1500	Electrical and Lighting System	90	2	98%	10-Oct-23 A	06-Jan-26	09-Jul-25	10-Jul-25	-179	
12-1510	Security, Surveillance & Communication System	90	2	98%	20-Nov-23 A	06-Jan-26	09-Jul-25	10-Jul-25	-179	
Elevated Drive Way and Associated Structures Bld BS Works		227	34		10-Apr-25 A	03-Feb-26	06-Jun-25	20-Oct-25	-105	
Elevated Drive Way RSA to RSG		211	28		10-Apr-25 A	27-Jan-26	21-Jun-25	09-Aug-25	-171	
12-1170	Plumbing & Drainage System	60	26	50%	10-Apr-25 A	25-Jan-26	21-Jun-25	16-Jul-25	-193	
12-1180	MVAC System	60	6	89.67%	31-May-25 A	06-Jan-26	26-Jun-25	02-Jul-25	-187	
12-1190	Fire Service System (Elevated Driveway)	60	2	80%	10-Apr-25 A	01-Jan-26	01-Aug-25	02-Aug-25	-152	
12-1200	Electrical and Lighting System	60	24	60%	10-Apr-25 A	23-Jan-26	23-Jun-25	16-Jul-25	-191	



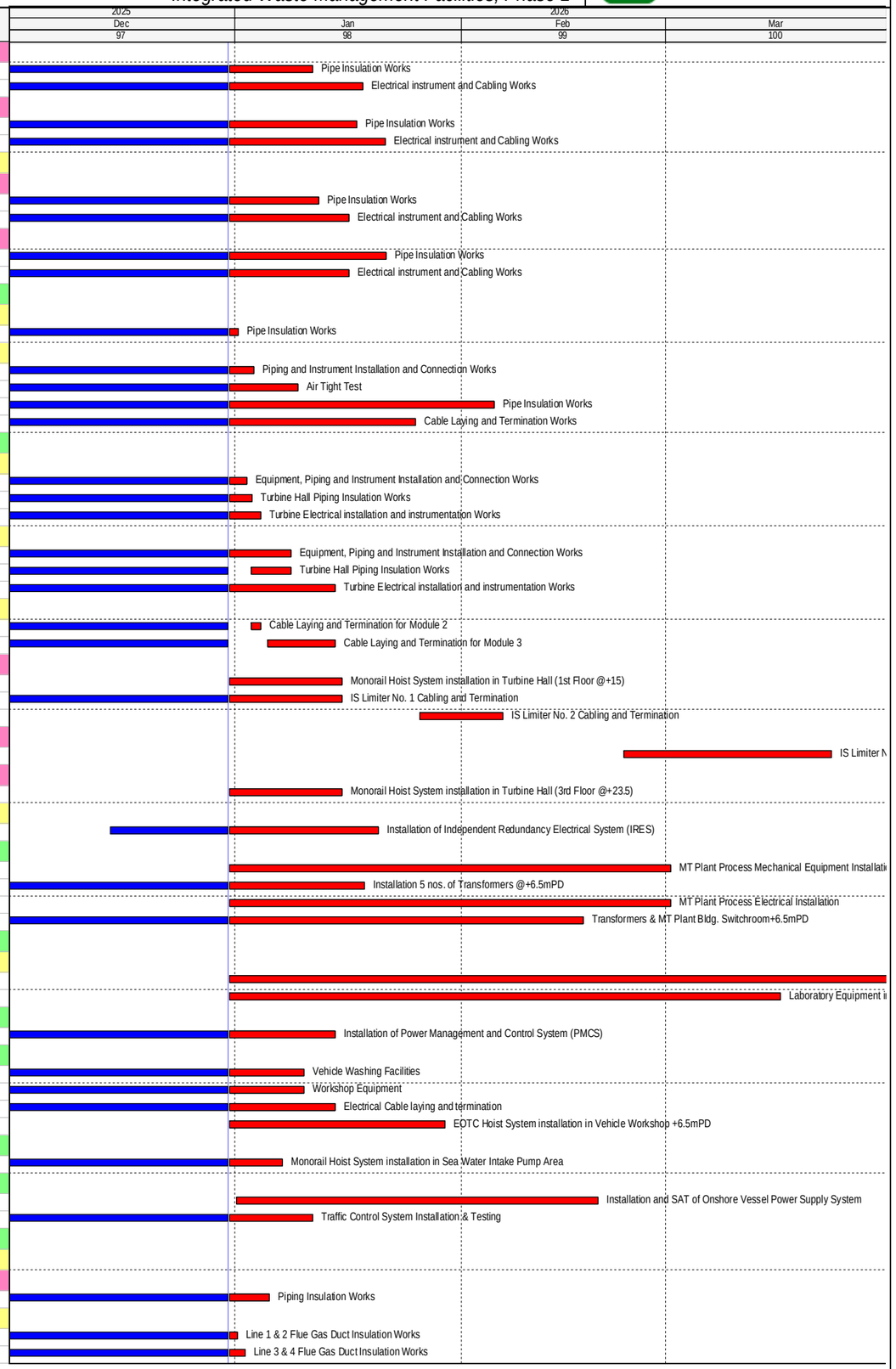
Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
12-1210	CCTV & Surveillance System	60	28	54%	31-May-25 A	27-Jan-26	13-Jul-25	09-Aug-25	-171	
Elevated Drive Way RSG to RSU		82	33		15-May-25 A	01-Feb-26	06-Jun-25	20-Oct-25	-104	
12-1580	Plumbing & Drainage System	60	33	45%	15-May-25 A	01-Feb-26	14-Jun-25	16-Jul-25	-200	
12-1590	MVAC System	60	26	56%	23-Jun-25 A	26-Jan-26	06-Jun-25	02-Jul-25	-207	
12-1600	Fire Service System (Elevated Driveway)	60	15	75%	15-May-25 A	17-Jan-26	06-Oct-25	20-Oct-25	-88	
12-1610	Electrical and Lighting System	60	28	54%	15-May-25 A	27-Jan-26	19-Jun-25	16-Jul-25	-195	
12-1620	CCTV & Surveillance System	54	20	57%	31-May-25 A	19-Jan-26	28-Jun-25	17-Jul-25	-186	
Elevated Drive Way RSU to RSAF		90	34		01-May-25 A	03-Feb-26	06-Jun-25	20-Oct-25	-105	
12-1630	Plumbing & Drainage System	60	34	43%	01-May-25 A	03-Feb-26	12-Jun-25	16-Jul-25	-201	
12-1640	MVAC System	60	26	56%	07-Jun-25 A	26-Jan-26	06-Jun-25	02-Jul-25	-207	
12-1650	Fire Service System (Elevated Driveway)	60	20	63%	01-May-25 A	19-Jan-26	01-Oct-25	20-Oct-25	-91	
12-1660	Electrical and Lighting System	60	32	47%	01-May-25 A	31-Jan-26	15-Jun-25	16-Jul-25	-199	
12-1670	CCTV & Surveillance System	60	26	57%	07-Jun-25 A	25-Jan-26	21-Jun-25	16-Jul-25	-193	
Reception Pavilion BS Works		51	32		14-Nov-25 A	13-Feb-26	17-Jun-25	23-Jul-25	-205	
12-1220	Plumbing & Drainage System	30	29	5%	14-Nov-25 A	11-Feb-26	18-Jun-25	16-Jul-25	-210	
12-1230	MVAC System	30	30	0%	13-Jan-26	11-Feb-26	17-Jun-25	16-Jul-25	-210	
12-1240	Fire Service System (Reception Pavilion)	30	29	4%	10-Dec-25 A	12-Feb-26	24-Jun-25	22-Jul-25	-205	Update Actual Start Date
12-1250	Electrical and Lighting System	30	30	0%	14-Jan-26	13-Feb-26	24-Jun-25	23-Jul-25	-205	
12-1260	Security, Surveillance & Communication System	30	30	0%	14-Jan-26	13-Feb-26	24-Jun-25	23-Jul-25	-205	
ACC Equipment Structure BS Works		101	40		17-Oct-25 A	08-Feb-26	24-May-25	28-Oct-25	-103	
12-1580(5a)	Plumbing & Drainage System	40	40	0%	31-Dec-25	08-Feb-26	07-Jun-25	16-Jul-25	-207	
12-1590(5a)	MVAC System	40	40	0%	31-Dec-25	08-Feb-26	24-May-25	02-Jul-25	-221	
12-1600(5a)	Fire Service System (Equipment/Appliance)	40	9	77.5%	01-Dec-25 A	08-Jan-26	20-Oct-25	28-Oct-25	-72	Update Actual Start DAte
12-1610(5a)	Electrical and Lighting System	35	32	10%	17-Oct-25 A	31-Jan-26	01-Aug-25	01-Sep-25	-152	
12-1620(5a)	Security, Surveillance & Communication System	40	36	10%	17-Oct-25 A	04-Feb-26	05-Jul-25	09-Aug-25	-179	
Fire Boat Access BS System		116	60		09-Oct-25 A	28-Feb-26	28-May-25	27-Dec-25	-63	
12-2100(6D)	Plumbing System (Berth)	50	50	0%	31-Dec-25	18-Feb-26	28-May-25	16-Jul-25	-217	
12-2120(6D)	Fire Service System (Berth)	60	27	55%	09-Oct-25 A	26-Jan-26	29-Oct-25	24-Nov-25	-63	
12-2130(6D)	Diesel Generator & Electrical System (Berth)	60	60	0%	31-Dec-25	28-Feb-26	29-Oct-25	27-Dec-25	-63	
Seawater Intake Chamber BS Works		40	40		30-Nov-25 A	08-Feb-26	24-May-25	28-Oct-25	-103	
12-1630(7)	Plumbing & Drainage System	40	40	0%	31-Dec-25	08-Feb-26	24-May-25	02-Jul-25	-221	
12-1640(7)	MVAC System	40	40	0%	31-Dec-25	08-Feb-26	24-May-25	02-Jul-25	-221	
12-1650(7)	Fire Service System (Equipment/Appliance)	40	20	30%	30-Nov-25 A	19-Jan-26	09-Oct-25	28-Oct-25	-83	Update Actual Start Date
12-1660(7)	Electrical and Lighting System	30	21	30%	30-Nov-25 A	20-Jan-26	08-Jul-25	28-Jul-25	-176	Update Actual Start Date
12-1670(7)	Security, Surveillance & Communication System	30	30	0%	31-Dec-25	29-Jan-26	29-Jun-25	28-Jul-25	-185	
Process Equipment Installation		615	120		01-Mar-23 A	29-Apr-26	18-May-25	19-Sep-25	-222	
Process Building - Waste Bunker & Tipping Hall Bld Process Equipment Installation		561	66		01-Mar-23 A	06-Mar-26	18-May-25	06-Aug-25	-212	
Equipment, Piping and Instrument Installation and Connection Works		294	30		20-Mar-25 A	29-Jan-26	23-Jun-25	22-Jul-25	-191	
Process Building (Module 1)		32	6		10-May-25 A	05-Jan-26	14-Jul-25	19-Jul-25	-170	
12-3030(6F)	Piping Insulation Works	32	6	81.25%	10-May-25 A	05-Jan-26	14-Jul-25	19-Jul-25	-170	Remove Actual Finish Date
Process Building (Module 2)		32	3		20-Jul-25 A	03-Jan-26	16-Jul-25	19-Jul-25	-167	
12-3070(6F)	Piping Insulation Works	32	3	90%	20-Jul-25 A	03-Jan-26	16-Jul-25	19-Jul-25	-167	
Process Building (Module 3)		294	30		20-Mar-25 A	29-Jan-26	23-Jun-25	22-Jul-25	-191	
12-3090(6F)	Piping Installation Works	60	3	95%	20-Mar-25 A	02-Jan-26	10-Jul-25	12-Jul-25	-174	
12-3100(6F)	Pipe Testing	50	20	60%	31-Oct-25 A	19-Jan-26	23-Jun-25	12-Jul-25	-191	
12-3110(6F)	Piping Insulation Works	50	30	40%	31-Oct-25 A	29-Jan-26	23-Jun-25	22-Jul-25	-191	
Process Building (Cranes and Shredder)		280	66		21-May-25 A	06-Mar-26	18-May-25	23-Jul-25	-226	
Process Building (Module 1)		249	35		21-May-25 A	03-Feb-26	19-Jun-25	23-Jul-25	-195	
13-1000-4(7M)	50T Hoisting Beam System Installation (Near Grid PB12)	35	35	0%	31-Dec-25	03-Feb-26	19-Jun-25	23-Jul-25	-195	New Activity
13-1000-6(6B)	EOTC & Monorail Hoist System installation in Ash Crane Control Room (+15.8mPD & +19.9mPD)	33	17	50%	21-May-25 A	16-Jan-26	07-Jul-25	23-Jul-25	-177	
13-1000-8(6B)	Monorail Hoist System installation in CCR Electrical Switch room +13.75mPD	30	21	30%	15-Dec-25 A	20-Jan-26	19-Jun-25	09-Jul-25	-195	
13-1000-9(6B)	Monorail Hoist System installation in CCR Electrical Switch room +23mPD	30	21	30%	15-Dec-25 A	20-Jan-26	03-Jul-25	23-Jul-25	-181	
Process Building (Module 2)		45	45		31-Dec-25	13-Feb-26	18-May-25	01-Jul-25	-227	
13-1004-4(7M)	50T Hoisting Beam System Installation (Near Grid PB21)	45	45	0%	31-Dec-25	13-Feb-26	18-May-25	01-Jul-25	-227	New Activity
Process Building (Module 3)		45	45		21-Jan-26	06-Mar-26	08-Jun-25	22-Jul-25	-227	
13-1008-4(7M)	40T Hoisting Beam System Installation (Near Grid PBG)	45	45	0%	21-Jan-26	06-Mar-26	08-Jun-25	22-Jul-25	-227	New Activity
Process Building (WWTP Equipment Installation)		390	7		01-Mar-23 A	06-Jan-26	05-Jun-25	20-Jul-25	-170	
Stage 2 (WWTP Remaining)		390	7		01-Mar-23 A	06-Jan-26	05-Jun-25	20-Jul-25	-170	
13-1010-1(6)	WWTP Piping and instrument installation	120	4	97%	01-Mar-23 A	03-Jan-26	05-Jun-25	08-Jun-25	-209	
13-1010-11(M63)	Cooling Tower installation @+17.5 mPd	48	7	85.83%	21-Jul-25 A	06-Jan-26	14-Jul-25	20-Jul-25	-170	
13-1010-2(6)	WWTP Electrical Equipment installation & Cable pulling and termination	54	4	93%	02-Apr-25 A	03-Jan-26	05-Jun-25	08-Jun-25	-209	
Process Building (Central Control System Installation)		276	31		31-Mar-25 A	30-Jan-26	07-Jul-25	06-Aug-25	-177	
13-1980	Control Systems Installation at CCR	30	3	90%	31-Mar-25 A	02-Jan-26	07-Jul-25	09-Jul-25	-177	
13-2160(6B)	DCS Installation	30	3	90%	31-Mar-25 A	02-Jan-26	29-Jul-25	31-Jul-25	-155	
13-2210(6B)	CMMS Installation	30	15	50%	31-Mar-25 A	14-Jan-26	17-Jul-25	31-Jul-25	-167	
13-2260(6B)	IDMS installation	30	15	50%	31-Mar-25 A	14-Jan-26	17-Jul-25	31-Jul-25	-167	
13-2270(6B)	OMS Installation	30	15	50%	31-Mar-25 A	14-Jan-26	17-Jul-25	31-Jul-25	-167	
13-2285(7L)	AMDAC Installation	30	30	0%	01-Jan-26*	30-Jan-26	08-Jul-25	06-Aug-25	-177	
Process Building (Waste Tipping Door)		45	18		15-Aug-25 A	17-Jan-26	21-Jun-25	08-Jul-25	-193	
13-2290-3(7J)	Installation of Waste Tipping Door (Module 3)	45	18	60%	15-Aug-25 A	17-Jan-26	21-Jun-25	08-Jul-25	-193	
Process Building - Boiler House & Flue Gas Treatment Bld Process Equipment Installation		31	22		31-Oct-25 A	21-Jan-26	10-Jun-25	22-Jul-25	-183	
Process Building (Installation TPU Module)		31	22		31-Oct-25 A	21-Jan-26	10-Jun-25	22-Jul-25	-183	

3-Month Rolling Programme (December 2025)

Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

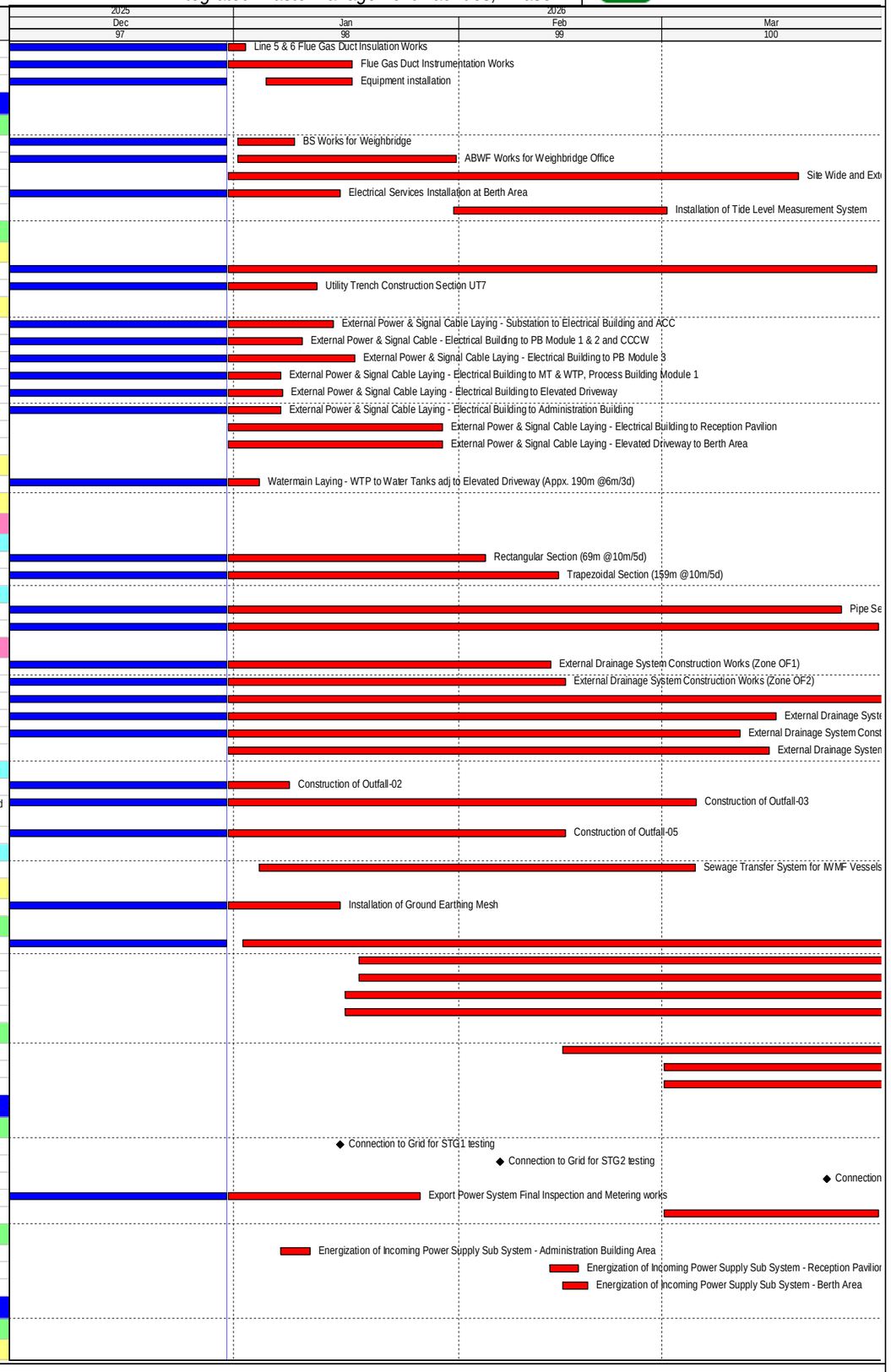
Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
TPU Train 5		31	19		31-Oct-25 A	18-Jan-26	13-Jun-25	22-Jul-25	-180	
13-1520	Pipe Insulation Works	30	12	60%	31-Oct-25 A	11-Jan-26	11-Jul-25	22-Jul-25	-173	
13-1530	Electrical instrument and Cabling Works	31	19	40%	31-Oct-25 A	18-Jan-26	13-Jun-25	01-Jul-25	-201	
TPU Train 6		31	22		31-Oct-25 A	21-Jan-26	10-Jun-25	22-Jul-25	-183	
13-1430	Pipe Insulation Works	30	18	40%	31-Oct-25 A	17-Jan-26	05-Jul-25	22-Jul-25	-179	
13-1440	Electrical instrument and Cabling Works	31	22	30%	31-Oct-25 A	21-Jan-26	10-Jun-25	01-Jul-25	-204	
Process Building (Installation of Flue Gas Module)		31	22		31-Oct-25 A	21-Jan-26	15-Jun-25	22-Jul-25	-183	
FGC Train 5		31	17		31-Oct-25 A	16-Jan-26	15-Jun-25	22-Jul-25	-178	
13-1890	Pipe Insulation Works	31	12	60%	31-Oct-25 A	12-Jan-26	10-Jul-25	22-Jul-25	-173	
13-1900	Electrical instrument and Cabling Works	24	17	30%	31-Oct-25 A	16-Jan-26	15-Jun-25	01-Jul-25	-199	
FGC Train 6		31	22		31-Oct-25 A	21-Jan-26	15-Jun-25	22-Jul-25	-183	
13-1960	Pipe Insulation Works	31	22	40%	31-Oct-25 A	21-Jan-26	01-Jul-25	22-Jul-25	-183	
13-1970	Electrical instrument and Cabling Works	24	17	30%	31-Oct-25 A	16-Jan-26	15-Jun-25	01-Jul-25	-199	
ACC Equipment Installation		174	36		20-Jul-25 A	05-Feb-26	07-Jun-25	13-Jul-25	-206	
ACC Equipment 2 Installation		30	2		31-Oct-25 A	01-Jan-26	09-Jul-25	10-Jul-25	-175	
13-2060	Pipe Insulation Works	30	2	95%	31-Oct-25 A	01-Jan-26	09-Jul-25	10-Jul-25	-175	
ACC Equipment 3 Installation		174	36		20-Jul-25 A	05-Feb-26	07-Jun-25	13-Jul-25	-206	
13-2090	Piping and Instrument Installation and Connection Works	37	4	90%	20-Jul-25 A	03-Jan-26	25-Jun-25	28-Jun-25	-189	
13-2090-1(6E)	Air Tight Test	14	10	30%	05-Nov-25 A	09-Jan-26	04-Jul-25	13-Jul-25	-180	
13-2100	Pipe Insulation Works	52	36	30%	31-Oct-25 A	05-Feb-26	07-Jun-25	13-Jul-25	-206	
13-2110	Cable Laying and Termination Works	52	26	50%	31-Oct-25 A	25-Jan-26	18-Jun-25	13-Jul-25	-196	
Turbine Hall Bld Equipment Installation		509	83		07-Oct-24 A	23-Mar-26	27-May-25	03-Aug-25	-232	
Turbine Hall Module 2 Installation		273	5		07-Oct-24 A	04-Jan-26	23-Jun-25	27-Jun-25	-191	
13-2180	Equipment, Piping and Instrument Installation and Connection Works	60	3	95%	07-Oct-24 A	02-Jan-26	24-Jun-25	27-Jun-25	-189	
13-2190	Turbine Hall Piping Insulation Works	31	3	90%	02-Jun-25 A	03-Jan-26	24-Jun-25	27-Jun-25	-189	
13-2200	Turbine Electrical installation and instrumentation Works	46	5	90%	02-Jan-25 A	04-Jan-26	23-Jun-25	27-Jun-25	-191	
Turbine Hall Module 3 Installation		365	15		13-Nov-24 A	14-Jan-26	27-May-25	18-Jun-25	-210	
13-2230	Equipment, Piping and Instrument Installation and Connection Works	60	9	85%	13-Nov-24 A	08-Jan-26	02-Jun-25	10-Jun-25	-212	
13-2240	Turbine Hall Piping Insulation Works	30	6	80%	01-Oct-25 A	08-Jan-26	13-Jun-25	18-Jun-25	-204	
13-2250	Turbine Electrical installation and instrumentation Works	77	15	70%	31-Dec-24 A	14-Jan-26	27-May-25	10-Jun-25	-218	
Turbine Hall Electrical Room Equipment Installation		235	83		06-Sep-25 A	23-Mar-26	01-Jun-25	03-Aug-25	-232	
13-2730(7)	Cable Laying and Termination for Module 2	32	2	95%	06-Sep-25 A	04-Jan-26	26-Jun-25	27-Jun-25	-191	
13-2740(7)	Cable Laying and Termination for Module 3	32	10	70%	06-Sep-25 A	14-Jan-26	01-Jun-25	10-Jun-25	-218	
Turbine Hall Electrical Room @+15.00mPD		190	38		05-Nov-25 A	06-Feb-26	24-Jun-25	31-Jul-25	-190	
13-2290-5(6B)	Monorail Hoist System installation in Turbine Hall (1st Floor @+15)	16	16	0%	31-Dec-25*	15-Jan-26	24-Jun-25	09-Jul-25	-190	
13-2470-1(7M)	IS Limiter No. 1 Cabling and Termination	72	16	77.78%	05-Nov-25 A	15-Jan-26	05-Jul-25	20-Jul-25	-179	New Activity
13-2730-2(7M)	IS Limiter No. 2 Cabling and Termination	12	12	0%	26-Jan-26*	06-Feb-26	20-Jul-25	31-Jul-25	-190	New Activity
Turbine Hall Electrical Room @+19.50mPD		29	29		23-Feb-26	23-Mar-26	06-Jul-25	03-Aug-25	-232	
13-2740-2(7M)	IS Limiter No. 3 Cabling and Termination	29	29	0%	23-Feb-26*	23-Mar-26	06-Jul-25	03-Aug-25	-232	New Activity
Turbine Hall Electrical Room @+23.50mPD		16	16		31-Dec-25	15-Jan-26	24-Jun-25	09-Jul-25	-190	
13-2290-6(6B)	Monorail Hoist System installation in Turbine Hall (3rd Floor @+23.5)	16	16	0%	31-Dec-25	15-Jan-26	24-Jun-25	09-Jul-25	-190	
Independent Redundancy Electrical System (IRES)		30	21		15-Dec-25 A	20-Jan-26	07-Jun-25	27-Jun-25	-207	
13-2300-1(7K)	Installation of Independent Redundancy Electrical System (IRES)	30	21	30%	15-Dec-25 A	20-Jan-26	07-Jun-25	27-Jun-25	-207	Update Actual Start Date
Mechanical Treatment Plant Bld Process Equipment Installation		214	61		30-Jun-25 A	01-Mar-26	24-May-25	23-Jul-25	-221	
13-2370	MT Plant Process Mechanical Equipment Installation	61	61	0%	31-Dec-25	01-Mar-26	24-May-25	23-Jul-25	-221	
13-2370-1(6A)	Installation 5 nos. of Transformers @+6.5mPD	50	19	62%	30-Jun-25 A	18-Jan-26	28-Jun-25	16-Jul-25	-186	
13-2380	MT Plant Process Electrical Installation	61	61	0%	31-Dec-25	01-Mar-26	24-May-25	23-Jul-25	-221	
13-2650(6D)	Transformers & MT Plant Bldg. Switchroom+6.5mPD	80	49	38.75%	30-Jun-25 A	17-Feb-26	29-May-25	16-Jul-25	-216	
Water Treatment Bld Process Equipment Installation		120	120		31-Dec-25	29-Apr-26	23-May-25	19-Sep-25	-222	
Stage 2 (WTP Remaining)		120	120		31-Dec-25	29-Apr-26	23-May-25	19-Sep-25	-222	
13-2410-2(6D)	Laboratory furniture installation @ WTP Bldg @+13.5mPD	120	120	0%	31-Dec-25	29-Apr-26	23-May-25	19-Sep-25	-222	
13-2410-3(6E)	Laboratory Equipment installation @ WTP Bldg @+13.5mPD	76	76	0%	31-Dec-25	16-Mar-26	23-May-25	06-Aug-25	-222	
IWMF Substation Bld Equipment Installation		60	15		15-Sep-25 A	14-Jan-26	23-Jul-25	06-Aug-25	-161	
13-2650-1(7K)	Installation of Power Management and Control System (PMCS)	60	15	75%	15-Sep-25 A	14-Jan-26	23-Jul-25	06-Aug-25	-161	
Elevated Drive Way & Storage Bld Equipment Installation		61	30		31-Oct-25 A	29-Jan-26	16-Jun-25	04-Sep-25	-147	
13-2490	Vehicle Washing Facilities	21	11	50%	31-Oct-25 A	10-Jan-26	08-Jul-25	18-Jul-25	-176	
13-2500	Workshop Equipment	21	11	50%	31-Oct-25 A	10-Jan-26	08-Jul-25	18-Jul-25	-176	
13-2630(7)	Electrical Cable laying and termination	30	15	50%	31-Oct-25 A	14-Jan-26	21-Aug-25	04-Sep-25	-132	
13-2630-2(6D)	EOTC Hoist System installation in Vehicle Workshop +6.5mPD	30	30	0%	31-Dec-25	29-Jan-26	16-Jun-25	15-Jul-25	-198	Remove Actual Start Date
Seawater Intake Chamber		15	8		19-Nov-25 A	07-Jan-26	02-Jul-25	09-Jul-25	-182	
13-2540-1(6B)	Monorail Hoist System installation in Sea Water Intake Pump Area	15	8	50%	19-Nov-25 A	07-Jan-26	02-Jul-25	09-Jul-25	-182	
Equipment Installation at External Area		143	51		15-Sep-25 A	19-Feb-26	02-Jul-25	20-Aug-25	-183	
13-2515(7L)	Installation and SAT of Onshore Vessel Power Supply System	50	50	0%	01-Jan-26*	19-Feb-26	02-Jul-25	20-Aug-25	-183	
13-2540	Traffic Control System Installation & Testing	59	12	80%	15-Sep-25 A	11-Jan-26	01-Aug-25	12-Aug-25	-152	
External Process Pipe Works		265	17		22-Jan-25 A	17-Jan-26	21-Jun-25	14-Aug-25	-155	
Process and Non-process Piping Works		30	6		25-Oct-25 A	05-Jan-26	08-Jul-25	13-Jul-25	-176	
Pipe Bridge C Piping from Turbine Bld to ACC 3		30	6		25-Oct-25 A	05-Jan-26	08-Jul-25	13-Jul-25	-176	
13-2750(M64)	Piping Insulation Works	30	6	80%	25-Oct-25 A	05-Jan-26	08-Jul-25	13-Jul-25	-176	
Chimney Flue Gas Ducting Works		201	17		22-Jan-25 A	17-Jan-26	21-Jun-25	14-Aug-25	-155	
13-2620	Line 1 & 2 Flue Gas Duct Insulation Works	12	1	90%	22-Jan-25 A	01-Jan-26	13-Aug-25	14-Aug-25	-139	
13-2625-0(M81)	Line 3 & 4 Flue Gas Duct Insulation Works	12	2	80%	01-May-25 A	02-Jan-26	17-Jul-25	19-Jul-25	-166	



3-Month Rolling Programme (December 2025)

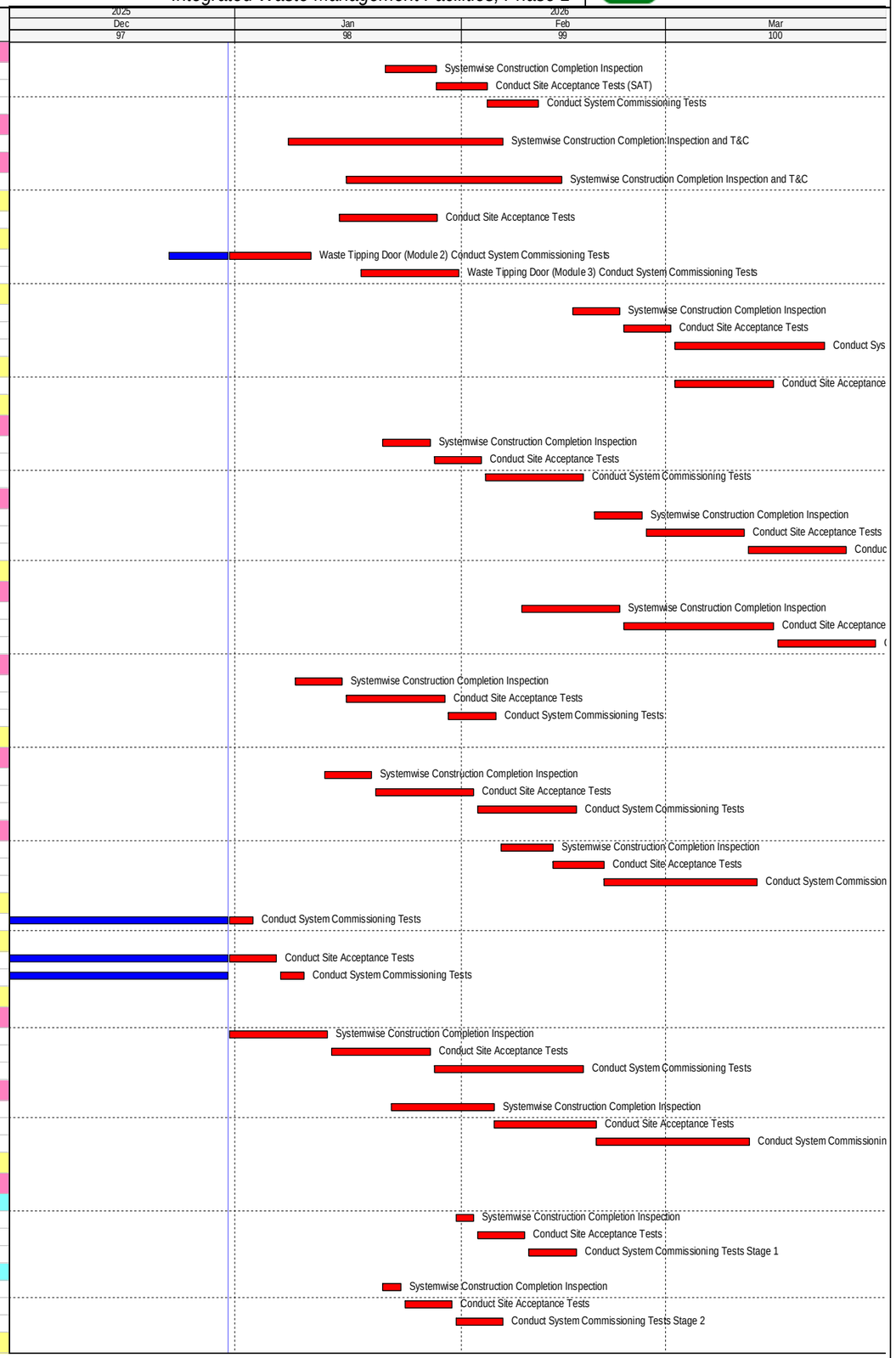
Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
13-2625-1(M81)	Line 5 & 6 Flue Gas Duct Insulation Works	14	3	80%	30-Jul-25 A	02-Jan-26	20-Jul-25	22-Jul-25	-164	
13-2700 (6F)	Flue Gas Duct Instrumentation Works	30	17	43%	06-May-25 A	17-Jan-26	21-Jun-25	08-Jul-25	-192	Consolidation of Progress Percentage
13-2710 (6F)	Equipment installation	26	12	55%	06-Sep-25 A	17-Jan-26	27-Jun-25	08-Jul-25	-192	
Landscape, External Road and Drains Works		1429	180		28-Apr-22 A	28-Jun-26	10-May-25	23-Dec-25	-187	
Site Wide/External BS System		201	79		14-Aug-25 A	19-Mar-26	02-Jul-25	09-Dec-25	-100	
14-1000(M81)	BS Works for Weighbridge	38	8	80%	14-Aug-25 A	09-Jan-26	07-Aug-25	14-Aug-25	-147	Remove Actual Finish Date
14-1005(7L)	ABWF Works for Weighbridge Office	78	30	61.03%	15-Oct-25 A	31-Jan-26	10-Sep-25	10-Oct-25	-113	
14-1100(6D)	Site Wide and External BS System	79	79	0%	31-Dec-25	19-Mar-26	24-Jul-25	10-Oct-25	-160	
14-3030(7)	Electrical Services Installation at Berth Area	40	16	60%	15-Aug-25 A	15-Jan-26	02-Jul-25	17-Jul-25	-182	
14-3035(7L)	Installation of Tide Level Measurement System	30	30	0%	31-Jan-26	01-Mar-26	10-Nov-25	09-Dec-25	-82	
External Utilities Works		1356	96		28-Apr-22 A	05-Apr-26	10-May-25	09-Oct-25	-179	
External Utilities C&S Works		533	90		08-Oct-24 A	30-Mar-26	24-May-25	21-Aug-25	-221	
14-1055(7)	Cable Duct and Drawpit	138	90	35%	15-Sep-25 A	30-Mar-26	24-May-25	21-Aug-25	-221	
14-4060(7)	Utility Trench Construction Section UT7	62	12	80%	08-Oct-24 A	12-Jan-26	17-Jul-25	29-Jul-25	-167	
External Power & Signal Cable Laying in Utility Trench		183	30		31-May-25 A	29-Jan-26	14-Jun-25	20-Aug-25	-162	
14-4100(7)	External Power & Signal Cable Laying - Substation to Electrical Building and ACC	30	15	50%	15-Jul-25 A	14-Jan-26	01-Jul-25	15-Jul-25	-183	
14-4110(7)	External Power & Signal Cable - Electrical Building to PB Module 1 & 2 and CCCW	30	11	65%	10-Jun-25 A	10-Jan-26	14-Jun-25	24-Jun-25	-200	
14-4120(7)	External Power & Signal Cable Laying - Electrical Building to PB Module 3	30	18	40%	15-Jun-25 A	17-Jan-26	14-Jun-25	01-Jul-25	-200	
14-4130(7)	External Power & Signal Cable Laying - Electrical Building to MT & WTP, Process Building Module 1	30	8	75%	31-May-25 A	07-Jan-26	08-Jul-25	15-Jul-25	-176	
14-4140(7)	External Power & Signal Cable Laying - Electrical Building to Elevated Driveway	32	8	75%	15-Jun-25 A	07-Jan-26	29-Jul-25	05-Aug-25	-155	
14-4150(7)	External Power & Signal Cable Laying - Electrical Building to Administration Building	30	8	75%	15-Jun-25 A	07-Jan-26	09-Aug-25	16-Aug-25	-144	
14-4160(7)	External Power & Signal Cable Laying - Electrical Building to Reception Pavilion	30	30	0%	31-Dec-25	29-Jan-26	22-Jul-25	20-Aug-25	-162	
14-4170(7)	External Power & Signal Cable Laying - Elevated Driveway to Berth Area	30	30	0%	31-Dec-25	29-Jan-26	03-Jul-25	01-Aug-25	-181	
External Watermains Laying		30	5		30-Jun-25 A	04-Jan-26	12-Jul-25	16-Jul-25	-172	
14-4200(7)	Watermain Laying - WTP to Water Tanks adj to Elevated Driveway (Appx. 190m @6m/3d)	30	5	85%	30-Jun-25 A	04-Jan-26	12-Jul-25	16-Jul-25	-172	
Drainage Works		453	96		01-Dec-24 A	05-Apr-26	10-May-25	09-Oct-25	-179	
Overtopping Drain System		222	90		17-Feb-25 A	30-Mar-26	16-May-25	09-Oct-25	-173	
East Culvert (3.5m x 2.5m x 118m)		80	46		03-Jun-25 A	14-Feb-26	24-Aug-25	09-Oct-25	-129	
14-2020	Rectangular Section (69m @10m/5d)	40	36	10%	03-Jun-25 A	04-Feb-26	03-Sep-25	09-Oct-25	-119	
14-2030	Trapezoidal Section (159m @10m/5d)	80	46	42.5%	10-Jun-25 A	14-Feb-26	24-Aug-25	09-Oct-25	-129	
West Culvert (2.5m x 2.5m x 102m)		222	90		17-Feb-25 A	30-Mar-26	16-May-25	13-Aug-25	-229	
14-3010	Pipe Section (69m @5m/d)	100	85	15%	17-Feb-25 A	25-Mar-26	21-May-25	13-Aug-25	-224	
14-3020	Rectangular Section (184m @10m/5d)	100	90	10%	27-Jun-25 A	30-Mar-26	16-May-25	13-Aug-25	-229	
U/G Drainage System (Storm & Sewerage)		453	96		01-Dec-24 A	05-Apr-26	10-May-25	13-Aug-25	-235	
14-1000(6D)	External Drainage System Construction Works (Zone OF1)	220	45	45%	23-Dec-24 A	13-Feb-26	24-May-25	08-Jul-25	-221	
14-1000(7J)10	External Drainage System Construction Works (Zone OF2)	220	47	40%	17-Apr-25 A	15-Feb-26	28-Jun-25	13-Aug-25	-186	
14-1000(7J)20	External Drainage System Construction Works (Zone OF3)	220	96	45%	14-Aug-25 A	05-Apr-26	10-May-25	13-Aug-25	-235	
14-1000(7J)30	External Drainage System Construction Works (Zone OF4)	220	76	45%	07-Jan-25 A	16-Mar-26	30-May-25	13-Aug-25	-215	
14-1000(7J)40	External Drainage System Construction Works (Zone OF5)	220	71	55%	18-Mar-25 A	11-Mar-26	04-Jun-25	13-Aug-25	-210	
14-1000(7J)50	External Drainage System Construction Works (Zone VSW)	75	75	0%	31-Dec-25	15-Mar-26	31-May-25	13-Aug-25	-214	Remove Actual Start Date
U/G Storm Drainage System		182	65		01-Dec-24 A	05-Mar-26	10-Jun-25	13-Aug-25	-204	
14-1020(M81)	Construction of Outfall-02	60	9	91%	30-Dec-24 A	08-Jan-26	05-Aug-25	13-Aug-25	-148	
14-1030(M81)	Construction of Outfall-03	60	65	35%	01-Dec-24 A	05-Mar-26	10-Jun-25	13-Aug-25	-204	Remove Successor 14-1000(6D) FF0; Add Successor 16-1910 FS0
14-1050(7C)	Construction of Outfall-05	60	47	55%	10-Jun-25 A	15-Feb-26	28-Jun-25	13-Aug-25	-186	
U/G Wastewater Drainage System		60	60		04-Jan-26	05-Mar-26	15-Jun-25	13-Aug-25	-204	
14-1000-1(M55)	Sewage Transfer System for IWMF Vessels (Caisson 13)	60	60	0%	04-Jan-26	05-Mar-26	15-Jun-25	13-Aug-25	-204	
Earthing System		180	16		28-Apr-22 A	15-Jan-26	02-Jul-25	18-Jul-25	-181	
16-1900-2(6)	Installation of Ground Earthing Mesh	180	16	61.74%	28-Apr-22 A	15-Jan-26	02-Jul-25	18-Jul-25	-181	
External Road Works		194	134		03-Oct-25 A	16-May-26	27-Jun-25	24-Oct-25	-203	
14-1010-2(6D)	Road Works (including high mast lighting)	152	92	13%	03-Oct-25 A	04-Apr-26	14-Jul-25	15-Oct-25	-171	
14-1020	Road Paving and Hard Landscape Works	110	110	0%	18-Jan-26	07-May-26	03-Jul-25	20-Oct-25	-199	
14-1030	Street Furniture Including Furniture at Bunker and Boiler	110	110	0%	18-Jan-26	07-May-26	03-Jul-25	20-Oct-25	-199	Activity Name Amended
14-1040-1(7K)	East Overtopping Channel Bridge	120	120	0%	16-Jan-26	16-May-26	27-Jun-25	24-Oct-25	-203	
14-1040-2(7K)	Retaining Wall (Southwest of Vehicle Ferry Ramp)	90	90	0%	16-Jan-26	16-Apr-26	27-Jul-25	24-Oct-25	-173	
Landscaping Works		134	134		15-Feb-26	28-Jun-26	26-Aug-25	23-Dec-25	-187	
14-1050(7L)	Construction of Sky Bridge	60	60	0%	15-Feb-26*	15-Apr-26	25-Oct-25	23-Dec-25	-113	
14-1060(7L)	Construction of Tree Canopy Walk	90	90	0%	01-Mar-26*	29-May-26	25-Sep-25	23-Dec-25	-157	
14-1070(7L)	Construction of East and West Courtyard	120	120	0%	01-Mar-26*	28-Jun-26	26-Aug-25	23-Dec-25	-187	
Metering & Energization		121	90		01-Sep-25 A	30-Mar-26	20-Jul-25	23-Dec-25	-97	
Energization of IWMF Substation		121	90		01-Sep-25 A	30-Mar-26	20-Jul-25	23-Dec-25	-97	
15-1035(7)	Connection to Grid for STG1 testing	0	0	0%		15-Jan-26		20-Jul-25	-179	
15-1035-1(7M)	Connection to Grid for STG2 testing	0	0	0%		06-Feb-26		31-Jul-25	-190	New Activity
15-1035-2(7M)	Connection to Grid for STG3 testing	0	0	0%		23-Mar-26		03-Aug-25	-232	New Activity
15-1050	Export Power System Final Inspection and Metering works	30	27	10%	01-Sep-25 A	26-Jan-26	28-Oct-25	23-Nov-25	-64	Remove Actual Finish Date
15-1060	Power Export System Grid Synchronization test	30	30	0%	01-Mar-26	30-Mar-26	24-Nov-25	23-Dec-25	-97	
Energization of Submain		43	43		07-Jan-26	18-Feb-26	17-Aug-25	24-Aug-25	-178	
15-1040-9(7)	Energization of Incoming Power Supply Sub System - Administration Building Area	4	4	0%	07-Jan-26	11-Jan-26	17-Aug-25	20-Aug-25	-144	
15-1042-10(7)	Energization of Incoming Power Supply Sub System - Reception Pavilion Area	4	4	0%	13-Feb-26	17-Feb-26	21-Aug-25	24-Aug-25	-177	
15-1042-11(7)	Energization of Incoming Power Supply Sub System - Berth Area	4	4	0%	15-Feb-26	18-Feb-26	17-Aug-25	20-Aug-25	-182	
Testing & Commissioning		603	207		30-Oct-24 A	26-Jul-26	10-May-25	23-Dec-25	-214	
SAT & System Commissioning Tests		603	207		30-Oct-24 A	26-Jul-26	10-May-25	23-Dec-25	-214	
11kV Electrical System T&C		38	38		08-Jan-26	14-Feb-26	02-Jul-25	04-Sep-25	-163	



Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

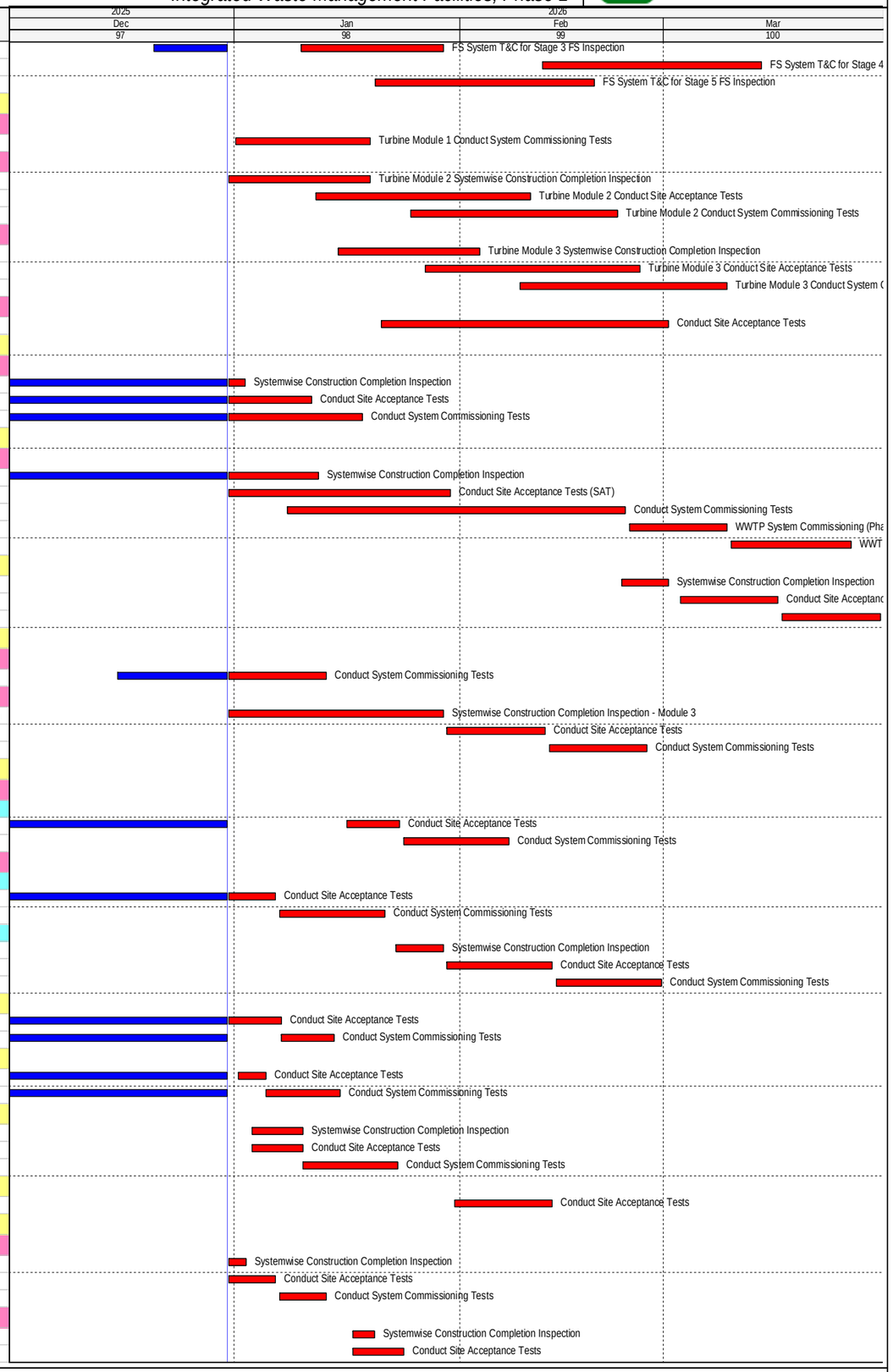
Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
Process Building Module 3 11kV T&C		21	21		21-Jan-26	11-Feb-26	02-Jul-25	22-Jul-25	-204	
16-1910(1)	Systemwise Construction Completion Inspection	7	7	0%	21-Jan-26	28-Jan-26	02-Jul-25	08-Jul-25	-204	
16-1910(7)	Conduct Site Acceptance Tests (SAT)	7	7	0%	28-Jan-26	04-Feb-26	09-Jul-25	15-Jul-25	-204	
16-2000(7)	Conduct System Commissioning Tests	7	7	0%	04-Feb-26	11-Feb-26	16-Jul-25	22-Jul-25	-204	
Elevated Driveway and WWTP 11kV T&C		30	30		08-Jan-26	06-Feb-26	06-Aug-25	04-Sep-25	-155	
16-2230(7)	Systemwise Construction Completion Inspection and T&C	30	30	0%	08-Jan-26	06-Feb-26	06-Aug-25	04-Sep-25	-155	
Berth Area		30	30		16-Jan-26	14-Feb-26	18-Jul-25	16-Aug-25	-182	
16-2240(7)	Systemwise Construction Completion Inspection and T&C	30	30	0%	16-Jan-26	14-Feb-26	18-Jul-25	16-Aug-25	-182	
Power Management and Control System (PMCS)		14	14		15-Jan-26	28-Jan-26	07-Aug-25	20-Aug-25	-161	
16-2240	Conduct Site Acceptance Tests	14	14	0%	15-Jan-26	28-Jan-26	07-Aug-25	20-Aug-25	-161	
Waste Tipping Door T&C		32	32		23-Dec-25 A	31-Jan-26	09-Jul-25	14-Aug-25	-170	
16-2260-2(7L)	Waste Tipping Door (Module 2) Conduct System Commissioning Tests	14	11	20%	23-Dec-25 A	11-Jan-26	03-Aug-25	14-Aug-25	-149	Update Actual Start Date
16-2260-3(7L)	Waste Tipping Door (Module 3) Conduct System Commissioning Tests	14	14	0%	18-Jan-26	31-Jan-26	09-Jul-25	22-Jul-25	-193	
Building Services Electrical System T&C		35	35		16-Feb-26	22-Mar-26	17-Jul-25	20-Aug-25	-214	
16-1030	Systemwise Construction Completion Inspection	7	7	0%	16-Feb-26	22-Feb-26	17-Jul-25	23-Jul-25	-214	
16-1040	Conduct Site Acceptance Tests	7	7	0%	23-Feb-26	01-Mar-26	24-Jul-25	30-Jul-25	-214	
16-1050	Conduct System Commissioning Tests	21	21	0%	02-Mar-26	22-Mar-26	31-Jul-25	20-Aug-25	-214	
Tide Level Measurement System		14	14		02-Mar-26	15-Mar-26	10-Dec-25	23-Dec-25	-82	
16-2250(7L)	Conduct Site Acceptance Tests	14	14	0%	02-Mar-26	15-Mar-26	10-Dec-25	23-Dec-25	-82	
Water Supply System T&C		64	64		21-Jan-26	25-Mar-26	17-Jul-25	20-Aug-25	-217	
Process Water Supply Pipe System T&C		28	28		21-Jan-26	17-Feb-26	18-Jul-25	14-Aug-25	-187	
16-1060	Systemwise Construction Completion Inspection	7	7	0%	21-Jan-26	27-Jan-26	18-Jul-25	24-Jul-25	-187	
16-1070	Conduct Site Acceptance Tests	7	7	0%	28-Jan-26	03-Feb-26	25-Jul-25	31-Jul-25	-187	
16-1080	Conduct System Commissioning Tests	14	14	0%	04-Feb-26	17-Feb-26	01-Aug-25	14-Aug-25	-187	
Building Services Water Supply Pipe System T&C		35	35		19-Feb-26	25-Mar-26	17-Jul-25	20-Aug-25	-217	
16-1090	Systemwise Construction Completion Inspection	7	7	0%	19-Feb-26	25-Feb-26	17-Jul-25	23-Jul-25	-217	
16-1100	Conduct Site Acceptance Tests	14	14	0%	26-Feb-26	11-Mar-26	24-Jul-25	06-Aug-25	-217	
16-1110	Conduct System Commissioning Tests	14	14	0%	12-Mar-26	25-Mar-26	07-Aug-25	20-Aug-25	-217	
MVAC & OCS System T&C		80	80		09-Jan-26	29-Mar-26	03-Jul-25	20-Aug-25	-221	
Building Service AC System T&C (Excluded FS MVAC)		49	49		09-Feb-26	29-Mar-26	03-Jul-25	20-Aug-25	-221	
16-1120	Systemwise Construction Completion Inspection	14	14	0%	09-Feb-26	22-Feb-26	03-Jul-25	16-Jul-25	-221	
16-1130	Conduct Site Acceptance Tests	21	21	0%	23-Feb-26	15-Mar-26	17-Jul-25	06-Aug-25	-221	
16-1140	Conduct System Commissioning Tests	14	14	0%	16-Mar-26	29-Mar-26	07-Aug-25	20-Aug-25	-221	
OCS System T&C		28	28		09-Jan-26	05-Feb-26	18-Jul-25	14-Aug-25	-175	
16-1150	Systemwise Construction Completion Inspection	7	7	0%	09-Jan-26	15-Jan-26	18-Jul-25	24-Jul-25	-175	
16-1160	Conduct Site Acceptance Tests	14	14	0%	16-Jan-26	29-Jan-26	25-Jul-25	07-Aug-25	-175	
16-1170	Conduct System Commissioning Tests	7	7	0%	30-Jan-26	05-Feb-26	08-Aug-25	14-Aug-25	-175	
Security, Surveillance & Communication System T&C		60	60		13-Jan-26	13-Mar-26	11-Jul-25	20-Aug-25	-205	
Process related CCTV & Communication System T&C		35	35		13-Jan-26	16-Feb-26	11-Jul-25	14-Aug-25	-186	
16-1180	Systemwise Construction Completion Inspection	7	7	0%	13-Jan-26	19-Jan-26	11-Jul-25	17-Jul-25	-186	
16-1190	Conduct Site Acceptance Tests	14	14	0%	20-Jan-26	02-Feb-26	18-Jul-25	31-Jul-25	-186	
16-1200	Conduct System Commissioning Tests	14	14	0%	03-Feb-26	16-Feb-26	01-Aug-25	14-Aug-25	-186	
Non Process related Security, Surveillance & Communication System T&C		35	35		06-Feb-26	13-Mar-26	17-Jul-25	20-Aug-25	-205	
16-2060	Systemwise Construction Completion Inspection	7	7	0%	06-Feb-26	13-Feb-26	17-Jul-25	23-Jul-25	-205	
16-2070	Conduct Site Acceptance Tests	7	7	0%	13-Feb-26	20-Feb-26	24-Jul-25	30-Jul-25	-205	
16-2080	Conduct System Commissioning Tests	21	21	0%	20-Feb-26	13-Mar-26	31-Jul-25	20-Aug-25	-205	
Fuel Oil System T&C		7	4		12-Oct-25 A	03-Jan-26	28-Jul-25	31-Jul-25	-156	
16-1260(7)	Conduct System Commissioning Tests	7	4	50%	12-Oct-25 A	03-Jan-26	28-Jul-25	31-Jul-25	-156	
CCCW System T&C		68	11		31-Jul-25 A	10-Jan-26	09-Jul-25	19-Jul-25	-175	
16-1280(7)	Conduct Site Acceptance Tests	14	7	50%	31-Jul-25 A	06-Jan-26	09-Jul-25	16-Jul-25	-175	
16-1290(7)	Conduct System Commissioning Tests	7	4	50%	12-Oct-25 A	10-Jan-26	16-Jul-25	19-Jul-25	-175	
ACC Equipment T&C		71	71		31-Dec-25	12-Mar-26	27-Jun-25	17-Aug-25	-206	
ACC Equipment 2 T&C		49	49		31-Dec-25	17-Feb-26	27-Jun-25	14-Aug-25	-187	
16-2030(M62)	Systemwise Construction Completion Inspection	14	14	0%	31-Dec-25	13-Jan-26	27-Jun-25	10-Jul-25	-187	
16-2040(7)	Conduct Site Acceptance Tests	14	14	0%	14-Jan-26	27-Jan-26	11-Jul-25	24-Jul-25	-187	
16-2050(7)	Conduct System Commissioning Tests	21	21	0%	28-Jan-26	17-Feb-26	25-Jul-25	14-Aug-25	-187	
ACC Equipment 3 T&C		49	49		22-Jan-26	12-Mar-26	30-Jun-25	17-Aug-25	-206	
16-2060(M62)	Systemwise Construction Completion Inspection	14	14	0%	22-Jan-26	05-Feb-26	30-Jun-25	13-Jul-25	-206	
16-2070(7)	Conduct Site Acceptance Tests	14	14	0%	05-Feb-26	19-Feb-26	14-Jul-25	27-Jul-25	-206	
16-2080(7)	Conduct System Commissioning Tests	21	21	0%	19-Feb-26	12-Mar-26	28-Jul-25	17-Aug-25	-206	
Lift System T&C		27	27		21-Jan-26	16-Feb-26	03-Oct-25	25-Oct-25	-114	
Process Building Lift T&C		27	27		21-Jan-26	16-Feb-26	03-Oct-25	25-Oct-25	-114	
Process Building Lift T&C Stage 1		17	17		31-Jan-26	16-Feb-26	09-Oct-25	25-Oct-25	-114	
16-2120	Systemwise Construction Completion Inspection	3	3	0%	31-Jan-26	02-Feb-26	09-Oct-25	11-Oct-25	-114	
16-2130	Conduct Site Acceptance Tests	7	7	0%	03-Feb-26	09-Feb-26	12-Oct-25	18-Oct-25	-114	
16-2140	Conduct System Commissioning Tests Stage 1	7	7	0%	10-Feb-26	16-Feb-26	19-Oct-25	25-Oct-25	-114	
Process Building Lift T&C Stage 2		17	17		21-Jan-26	06-Feb-26	03-Oct-25	19-Oct-25	-110	
16-2210	Systemwise Construction Completion Inspection	3	3	0%	21-Jan-26	23-Jan-26	03-Oct-25	05-Oct-25	-110	
16-2220	Conduct Site Acceptance Tests	7	7	0%	24-Jan-26	30-Jan-26	06-Oct-25	12-Oct-25	-110	
16-2230	Conduct System Commissioning Tests Stage 2	7	7	0%	31-Jan-26	06-Feb-26	13-Oct-25	19-Oct-25	-110	
FS & FS MVAC System T&C		73	63		21-Dec-25 A	14-Mar-26	01-Oct-25	27-Nov-25	-106	



3-Month Rolling Programme (December 2025)

Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
16-1520	FS System T&C for Stage 3 FS Inspection	30	20	33.33%	21-Dec-25 A	29-Jan-26	01-Oct-25	20-Oct-25	-101	Update Actual Start Date
16-1530	FS System T&C for Stage 4 FS Inspection	30	30	0%	12-Feb-26	14-Mar-26	21-Oct-25	19-Nov-25	-114	
16-1630	FS System T&C for Stage 5 FS Inspection	30	30	0%	20-Jan-26	19-Feb-26	29-Oct-25	27-Nov-25	-83	
Turbine Hall Process T&C		69	69		31-Dec-25	09-Mar-26	08-Jun-25	06-Aug-25	-215	
Turbine Hall Module 1		19	19		01-Jan-26	19-Jan-26	02-Jul-25	20-Jul-25	-183	
16-1320(7)	Turbine Module 1 Conduct System Commissioning Tests	19	19	0%	01-Jan-26	19-Jan-26	02-Jul-25	20-Jul-25	-183	
Turbine Hall Module 2		54	54		31-Dec-25	22-Feb-26	08-Jun-25	31-Jul-25	-206	
16-1330(7)	Turbine Module 2 Systemwise Construction Completion Inspection	20	20	0%	31-Dec-25	19-Jan-26	08-Jun-25	27-Jun-25	-206	
16-1340(7)	Turbine Module 2 Conduct Site Acceptance Tests	30	30	0%	12-Jan-26	10-Feb-26	20-Jun-25	19-Jul-25	-206	
16-1350(7)	Turbine Module 2 Conduct System Commissioning Tests	29	29	0%	25-Jan-26	22-Feb-26	03-Jul-25	31-Jul-25	-206	
Turbine Hall Module 3		54	54		15-Jan-26	09-Mar-26	11-Jun-25	03-Aug-25	-218	
16-1360(7)	Turbine Module 3 Systemwise Construction Completion Inspection	20	20	0%	15-Jan-26	03-Feb-26	11-Jun-25	30-Jun-25	-218	
16-1370(7)	Turbine Module 3 Conduct Site Acceptance Tests	30	30	0%	27-Jan-26	25-Feb-26	23-Jun-25	22-Jul-25	-218	
16-1380(7)	Turbine Module 3 Conduct System Commissioning Tests	29	29	0%	09-Feb-26	09-Mar-26	06-Jul-25	03-Aug-25	-218	
Independent Redundancy Electrical System (IRES)		40	40		21-Jan-26	01-Mar-26	28-Jun-25	06-Aug-25	-207	
16-1390(7K)	Conduct Site Acceptance Tests	40	40	0%	21-Jan-26	01-Mar-26	28-Jun-25	06-Aug-25	-207	
Desalination & Demineralization Process T&C		194	19		27-Apr-25 A	18-Jan-26	28-Jun-25	31-Jul-25	-171	
Stage 2 (WTP Remaining)		194	19		27-Apr-25 A	18-Jan-26	28-Jun-25	31-Jul-25	-171	
16-1300	Systemwise Construction Completion Inspection	13	3	80.03%	27-Apr-25 A	02-Jan-26	29-Jul-25	31-Jul-25	-155	
16-1310	Conduct Site Acceptance Tests	30	12	60%	01-May-25 A	11-Jan-26	05-Jul-25	16-Jul-25	-179	
16-1320	Conduct System Commissioning Tests	21	19	10%	19-Oct-25 A	18-Jan-26	28-Jun-25	16-Jul-25	-186	
WWTP Process T&C		172	86		30-Oct-25 A	26-Mar-26	27-May-25	20-Aug-25	-218	
Stage 2 (WWTP Remaining)		172	86		30-Oct-25 A	26-Mar-26	27-May-25	20-Aug-25	-218	
16-1330	Systemwise Construction Completion Inspection	32	13	60%	30-Oct-25 A	12-Jan-26	27-May-25	08-Jun-25	-218	
16-1340	Conduct Site Acceptance Tests (SAT)	31	31	0%	31-Dec-25	30-Jan-26	27-May-25	26-Jun-25	-218	
16-1350	Conduct System Commissioning Tests	47	47	0%	08-Jan-26	23-Feb-26	04-Jun-25	20-Jul-25	-218	
16-1690	WWTP System Commissioning (Phase 2)	14	14	0%	24-Feb-26	09-Mar-26	21-Jul-25	03-Aug-25	-218	
16-1700	WWTP Performance Test	17	17	0%	10-Mar-26	26-Mar-26	04-Aug-25	20-Aug-25	-218	
Mechanical Treatment Plant Process T&C		36	36		23-Feb-26	30-Mar-26	17-Jul-25	20-Aug-25	-222	
16-1360	Systemwise Construction Completion Inspection	7	7	0%	23-Feb-26	01-Mar-26	17-Jul-25	23-Jul-25	-221	
16-1370	Conduct Site Acceptance Tests	14	14	0%	03-Mar-26	16-Mar-26	24-Jul-25	06-Aug-25	-222	
16-1380	Conduct System Commissioning Tests	14	14	0%	17-Mar-26	30-Mar-26	07-Aug-25	20-Aug-25	-222	
Ash Treatment Equipments T&C		58	58		16-Dec-25 A	26-Feb-26	18-Jun-25	14-Aug-25	-196	
Ash Treatment Equipments Module 2		14	14		16-Dec-25 A	13-Jan-26	06-Jul-25	19-Jul-25	-178	
16-2280(7M)	Conduct System Commissioning Tests	14	14	0%	16-Dec-25 A	13-Jan-26	06-Jul-25	19-Jul-25	-178	New Activity
Ash Treatment Equipments Module 3		58	58		31-Dec-25	26-Feb-26	18-Jun-25	14-Aug-25	-196	
16-1970-2(M68)	Systemwise Construction Completion Inspection - Module 3	30	30	0%	31-Dec-25	29-Jan-26	18-Jun-25	17-Jul-25	-196	Remove Actual Start and Actual Finish Da
16-2290(7M)	Conduct Site Acceptance Tests	14	14	0%	30-Jan-26	12-Feb-26	18-Jul-25	31-Jul-25	-196	New Activity
16-2300(7M)	Conduct System Commissioning Tests	14	14	0%	13-Feb-26	26-Feb-26	01-Aug-25	14-Aug-25	-196	New Activity
Crane System T&C		121	60		09-Oct-25 A	28-Feb-26	01-Jul-25	14-Aug-25	-198	
Crane System T&C for Module 1 Hot Comissioning		100	23		09-Oct-25 A	07-Feb-26	23-Jul-25	14-Aug-25	-177	
Ash Crane System T&C		100	23		09-Oct-25 A	07-Feb-26	23-Jul-25	14-Aug-25	-177	
16-1980	Conduct Site Acceptance Tests	15	8	50%	09-Oct-25 A	23-Jan-26	23-Jul-25	30-Jul-25	-177	
16-1990	Conduct System Commissioning Tests	15	15	0%	24-Jan-26	07-Feb-26	31-Jul-25	14-Aug-25	-177	
Crane System T&C for Module 2 & 3 Hot Comissioning		91	60		15-Oct-25 A	28-Feb-26	01-Jul-25	14-Aug-25	-198	
Waste Crane System T&C		53	22		15-Oct-25 A	21-Jan-26	01-Jul-25	22-Jul-25	-183	
16-2010	Conduct Site Acceptance Tests	14	7	50%	15-Oct-25 A	06-Jan-26	01-Jul-25	07-Jul-25	-183	
16-2020	Conduct System Commissioning Tests	15	15	0%	07-Jan-26	21-Jan-26	08-Jul-25	22-Jul-25	-183	
Ash Crane System T&C		37	37		23-Jan-26	28-Feb-26	09-Jul-25	14-Aug-25	-198	
16-2030	Systemwise Construction Completion Inspection	7	7	0%	23-Jan-26	29-Jan-26	09-Jul-25	15-Jul-25	-198	
16-2040	Conduct Site Acceptance Tests	15	15	0%	30-Jan-26	13-Feb-26	16-Jul-25	30-Jul-25	-198	
16-2050	Conduct System Commissioning Tests	15	15	0%	14-Feb-26	28-Feb-26	31-Jul-25	14-Aug-25	-198	
On-shore Crane System T&C		30	15		01-Sep-25 A	14-Jan-26	17-Jul-25	31-Jul-25	-167	
16-2040(M58)	Conduct Site Acceptance Tests	15	8	50%	01-Sep-25 A	07-Jan-26	17-Jul-25	24-Jul-25	-167	
16-2050(M58)	Conduct System Commissioning Tests	15	8	50%	01-Sep-25 A	14-Jan-26	24-Jul-25	31-Jul-25	-167	
Weighbridge System T&C		28	14		15-Oct-25 A	15-Jan-26	01-Aug-25	14-Aug-25	-154	
16-1430	Conduct Site Acceptance Tests	7	4	50%	15-Oct-25 A	05-Jan-26	01-Aug-25	04-Aug-25	-154	
16-1440	Conduct System Commissioning Tests	21	11	50%	30-Oct-25 A	15-Jan-26	04-Aug-25	14-Aug-25	-154	
Truck Washing System T&C		20	20		03-Jan-26	23-Jan-26	12-Jul-25	31-Jul-25	-176	
16-1450	Systemwise Construction Completion Inspection	7	7	0%	03-Jan-26	10-Jan-26	12-Jul-25	18-Jul-25	-176	
16-1460	Conduct Site Acceptance Tests	7	7	0%	03-Jan-26	10-Jan-26	12-Jul-25	18-Jul-25	-176	
16-1470	Conduct System Commissioning Tests	13	13	0%	10-Jan-26	23-Jan-26	19-Jul-25	31-Jul-25	-176	
AMDAC System		14	14		31-Jan-26	13-Feb-26	07-Aug-25	20-Aug-25	-177	
16-2255(7L)	Conduct Site Acceptance Tests	14	14	0%	31-Jan-26	13-Feb-26	07-Aug-25	20-Aug-25	-177	
CEMS Systems T&C		31	31		31-Dec-25	31-Jan-26	06-Jul-25	22-Jul-25	-192	
Module 2		14	14		31-Dec-25	13-Jan-26	06-Jul-25	19-Jul-25	-178	
16-1970-1(7H)	Systemwise Construction Completion Inspection	3	3	0%	31-Dec-25	02-Jan-26	06-Jul-25	08-Jul-25	-178	
16-1980-2(7H)	Conduct Site Acceptance Tests	7	7	0%	31-Dec-25	06-Jan-26	06-Jul-25	12-Jul-25	-178	
16-1990-3(7H)	Conduct System Commissioning Tests	7	7	0%	07-Jan-26	13-Jan-26	13-Jul-25	19-Jul-25	-178	
Module 3		14	14		17-Jan-26	31-Jan-26	09-Jul-25	22-Jul-25	-192	
16-1970-4(7H)	Systemwise Construction Completion Inspection	3	3	0%	17-Jan-26	20-Jan-26	09-Jul-25	11-Jul-25	-192	
16-1980-5(7H)	Conduct Site Acceptance Tests	7	7	0%	17-Jan-26	24-Jan-26	09-Jul-25	15-Jul-25	-192	



3-Month Rolling Programme (December 2025)

Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M97 Remarks
16-1990-6(7H)	Conduct System Commissioning Tests	7	7	0%	24-Jan-26	31-Jan-26	16-Jul-25	22-Jul-25	-192	
Monorail Hoist System T&C		42	42		21-Jan-26	03-Mar-26	10-Jul-25	20-Aug-25	-195	
16-2030(M61)	Systemwise Construction Completion Inspection	14	14	0%	21-Jan-26	03-Feb-26	10-Jul-25	23-Jul-25	-195	
16-2040(M61)	Conduct Site Acceptance Tests	14	14	0%	04-Feb-26	17-Feb-26	24-Jul-25	06-Aug-25	-195	
16-2050(M61)	Conduct System Commissioning Tests	14	14	0%	18-Feb-26	03-Mar-26	07-Aug-25	20-Aug-25	-195	
Earthing & Lightning Protection System T&C		31	31		31-Dec-25	30-Jan-26	10-Aug-25	09-Sep-25	-143	
16-1970(6D)	Systemwise Construction Completion Inspection	10	10	0%	31-Dec-25	09-Jan-26	10-Aug-25	19-Aug-25	-143	
16-1980(6D)	Conduct Site Acceptance Tests (SAT)	14	14	0%	10-Jan-26	23-Jan-26	20-Aug-25	02-Sep-25	-143	
16-1990(6D)	Conduct System Commissioning Tests	7	7	0%	24-Jan-26	30-Jan-26	03-Sep-25	09-Sep-25	-143	
Vehicle Ferry Ramp T&C		15	15		31-Dec-25	14-Jan-26	16-Aug-25	30-Aug-25	-137	
16-1560(7)	Conduct System Commissioning Tests	15	15	0%	31-Dec-25	14-Jan-26	16-Aug-25	30-Aug-25	-137	
Civil and Builder Works Completion Inspections		120	120		28-Mar-26	26-Jul-26	26-Aug-25	23-Dec-25	-214	
16-1880	Windows, Louvers, Doors and Roller Shutters inspections	120	120	0%	28-Mar-26	26-Jul-26	26-Aug-25	23-Dec-25	-214	
Incineration Processing T&C		501	100		30-Oct-24 A	09-Apr-26	10-May-25	17-Aug-25	-235	
Module 1 & Equipments (Train 1 & 2)		14	14		20-Jan-26	02-Feb-26	21-Jul-25	03-Aug-25	-183	
16-1670-1(7L)	Remaining Module Function and Operation Test	14	14	0%	20-Jan-26	02-Feb-26	21-Jul-25	03-Aug-25	-183	
Module 2 & Equipments (Train 3 & 4)		471	75		30-Oct-24 A	15-Mar-26	04-Jun-25	17-Aug-25	-210	
16-1560	Site Acceptance Test (Systemwise Construction Completion Inspection)	120	4	96.67%	30-Oct-24 A	05-Jan-26	16-Jul-25	19-Jul-25	-170	
16-1570	Site Acceptance Test (Pre-commissioning Test)	90	5	94.44%	17-Feb-25 A	05-Jan-26	15-Jul-25	19-Jul-25	-170	
16-1720	System Commissioning Test (Hot Commissioning Phase 1)	71	46	35.21%	08-Aug-25 A	14-Feb-26	04-Jun-25	19-Jul-25	-210	
16-1725(5a)	System Commissioning Test (Hot Commissioning Phase 2)	26	26	0%	15-Feb-26	12-Mar-26	20-Jul-25	14-Aug-25	-210	
16-1730	Module Function and Operation Test	14	14	0%	27-Feb-26	12-Mar-26	01-Aug-25	14-Aug-25	-210	
16-1740	72 Hrs Test	3	3	0%	13-Mar-26	15-Mar-26	15-Aug-25	17-Aug-25	-210	
Module 3 & Equipments (Train 5 & 6)		380	100		01-Mar-25 A	09-Apr-26	10-May-25	17-Aug-25	-235	
16-1580	Site Acceptance Test (Systemwise Construction Completion Inspection)	92	22	76.09%	01-Mar-25 A	21-Jan-26	01-Jul-25	22-Jul-25	-183	
16-1590	Site Acceptance Test (Pre-commissioning Test)	90	23	74.44%	23-Mar-25 A	22-Jan-26	13-Jul-25	04-Aug-25	-171	
16-1750	System Commissioning Test (Hot Commissioning Phase 1)	95	74	22.11%	10-Dec-25 A	14-Mar-26	10-May-25	22-Jul-25	-235	Update Actual Start Date
16-1755(5a)	System Commissioning Test (Hot Commissioning Phase 2)	26	26	0%	15-Mar-26	09-Apr-26	23-Jul-25	17-Aug-25	-235	
16-1760	Module Function and Operation Test	14	14	0%	27-Mar-26	09-Apr-26	04-Aug-25	17-Aug-25	-235	
Plant Commissioning Test of Facility		14	14		30-Mar-26	12-Apr-26	07-Aug-25	20-Aug-25	-235	
16-1820	Preparation for Plant Commissioning Test	14	14	0%	30-Mar-26	12-Apr-26	07-Aug-25	20-Aug-25	-235	

Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
S3b.8.1	Air Pollution Control (Construction Dust) Regulation & Good Site Practices • Use of regular watering, with complete coverage, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather. • Use of frequent watering for particularly dusty construction areas and areas close to ASRs. • 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. • Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs. • Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. • Establishment and use of vehicle wheel and body washing facilities at the exit points of the site. • Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading	Work site / During the construction period	Contractor		✓			Air Pollution Control (Construction Dust) Regulation	Deficiency of Mitigation Measures but rectified by the Contractor N/A for dust control measures for transportation outside site boundary

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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. • Imposition of speed controls for vehicles on unpaved site roads. Ten kilometers per hour is the recommended limit. • Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs • 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.								
S3b.6.3	Odour Removal by Deodorizers • Deodorizers with 95% odour removal efficiency would be installed for the air ventilated from the mechanical treatment plant before discharge to the atmosphere	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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	• 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. • Voluntary Enhancement Measures in Flue Gas Cleaning and Emission Monitoring: 1. Two-stage bag filter system with reagent recirculation; 2. In addition to SCR, provide SNCR for removal of NO_x; tighten emission limit for half-hourly and daily NO_x to 160 mg/m^3 and 80 mg/m_3 respectively; 3. Well-mixed feed waste: to minimize the fluctuation of pollutant loading on the flue gas treatment system; 4. Two more AQMSs would be set up at South Lantau and Shek Kwu Chau respectively; 5. Limit levels will be set under the IWMF DBO contract to require that waste feed shall cease if any of the air pollutant has exceeded 95% of the emission concentration limit as stipulated in the Special Process license; and	design & operation phase						Application for Variation of Environmental Permit (EP-429/2012)	

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	6. Each incineration chamber shall be fitted with auxiliary burners to ensure complete burn out of the combustion gases.								
-	Treated Fly Ash and Air Pollution Control Residues: • 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 leachability criteria for the next six months. • 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 shown in Table 2	IWMF stack emissions / During design & operation phase	IWMF Operator	✓		✓		Supporting Document for Application for Variation of Environmental Permit (EP-429/2012)	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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.								
-	<u>Bottom Ash:</u> • 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	IWMF stack emissions / During design & operation phase	IWMF Operator	✓		✓		Supporting Document for Application for Variation of Environmental Permit (EP-429/2012)	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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. • Provided that there is no non-conformance to the leachability criteria shown in Table 2 of the Environmental Permit throughout a continuous six month period in the								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
S4b.8	Good site practices to limit noise emissions at source and use of quiet plant and working methods, whenever practicable.	Work Sites / Construction Period	EPD and its contractors		✓			EIAO-TM	Implemented
S4b.6 & 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 (ii) Louver or other acoustic treatment equipment could also be applied to the exhaust of the ventilation system.	Within IWMF area / Construction Period	EPD and its contractors	✓		✓		EIAO-TM	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
-	Voluntary Enhancement Measure • Provision of air-conditioner and double glazed windows to nearby NSR at Shek Kwu Chau (i.e. SARDA) as precautionary measures.	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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
S5b.8.1.1	Drainage and Construction Site Runoff The site practices outlined in ProPECC PN 2/23 "Construction Site Drainage" should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. These practices include the following items: • At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction. • Boundaries of earthworks should be surrounded by dykes or embankments for flood protection, as necessary. • Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM-DSS. The	Work site / During the construction period	Contractor		✓			EIAO-TM; ProPECC PN 2/23; WPCO	Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 2/23, 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. • Water pumped out from foundation piles must be discharged into silt removal facilities. • 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. • 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 2/23. • Exposed soil areas should be minimized to reduce potential for increased siltation and contamination of runoff. • Earthwork final surfaces should be well compacted and subsequent permanent								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
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	work or surface protection should be immediately performed. • Open stockpiles of construction 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. It is recommended to clean the construction sites on a regular basis.	Work site / During the construction period	Contractor		✓			EIAO-TM; ProPECC PN 2/23; WPCO	Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
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.	Work site / During the construction period	Contractor		✓			EIAO-TM; ProPECC PN 2/23; WPCO	Implemented Discharge License was issued on 15/02/2022
S5b.8.1.4	<u>Accidental Spillage</u> 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 2/23; WPCO; WDO	Deficiency of Mitigation Measures but rectified by the Contractor
S5b.8.1.5	Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas which	Work site / During the construction period	Contractor		✓			EIAO-TM; ProPECC PN 2/23; WPCO; WDO	Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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.	Work site / During the construction period	Contractor		✓			EIAO-TM; ProPECC PN 2/23; WPCO; WDO	Deficiency of Mitigation Measures but rectified by the Contractor
S5b.8.1.7	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: • Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport. • Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents. • Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.	Work site / During the construction period	Contractor		✓			EIAO-TM; ProPECC PN 2/23; WPCO; WDO	Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
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 2/23; WPCO	Implemented
S5b.8.1.9	Reclamation and Construction of Breakwaters • The proposed dredging and reclamation should be commenced in phases. The breakwaters and seawalls should be constructed and the reclamation should be started within the enclosed breakwaters after the completion of the breakwater. Silt curtain should be applied around caissons / blockwork during the filling of the cell to prevent the loss of fine in the filling material. • The maximum production rate for dredging for the anti-scouring protection layer shall not exceed the permitted maximum daily dredging rate and carried out within its respective distance from the nearest non-translocatable coral community by the dredging contractor as specified in S.2.18 of the Further Environmental Permit (no.:FEP-01/429/2012/A). It is recommended to employ closed grab with small capacity of 2 m^3 to control the dredging rate. • Any gap that may need to be provided for marine access will be located at the middle	Work site / During the marine construction period	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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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;								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	• No dredging should be carried out within 16m to the nearest non-translocatable coral community; • 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; • Closed grab dredger should be used to minimize the loss of sediment during the raising of the loaded grabs through the water column; • Frame-type silt curtains should be deployed around the dredging operations; • Floating-type silt curtains should be used to surround the circular cell during the sheetpiling work; • The descent speed of grabs should be controlled to minimize the seabed impact speed; • Barges should be loaded carefully to avoid splashing of material; • 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; • 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								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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. • 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.								
S5b.8.2.3	Operational Phase Discharges 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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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	Transportation of bottom ash, fly ash and APC residues to WENT Landfill for disposal Covered container should be used in the shipping of the incineration waste to limit the contact between the incineration waste and the marine water. A comprehensive emergency response plan for any accidental spillage should be submitted by the operation contractor to the EPD for agreement before the operation of the facilities. Salvage and cleanup action to recover the spilled incineration waste containers following the spillage should be carried out according to the emergency response plan to mitigate the environmental impact in case of spillage.	Transportation of Incineration Ash / During the operational phase	IWMF Operator			✓			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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
6b.5.1.2	Good Site Practices 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: • 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); • Provide staff training for proper waste management and chemical handling procedures; • Provide sufficient waste disposal points and regular waste collection; • 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 • Carry out regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; • Separate chemical wastes for special handling and disposed of to licensed facility for treatment; and • Employ licensed waste collector to collect waste.	Work Site/ During Construction Period	Contractor		✓			WDO; LDO; ETWB TCW No. 19/2005; EIAO-TM	Deficiency of Mitigation Measures but rectified by the Contractor

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
6b.5.1.3	Waste Reduction Measures 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. Recommendations to achieve waste reduction include: • Design foundation works that could minimize the amount of excavated material to be generated. • Provide training to workers on the importance of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling; • Sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.); • Segregate and store different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal; • 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; • Proper storage and site practices to minimize the potential for damage or contamination of construction materials; and	Work Site/ During Design & Construction Period	Contractor	✓	✓				Implemented N/A for demolition items

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	• Plan and stock construction materials carefully to minimize amount of waste to be generated and to avoid unnecessary generation of waste.								
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	✓	✓			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	✓				DASO ETWB TCW 34/2002	Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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 Transportation 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	Construction and Demolition Materials In order to minimize the impact resulting from collection and transportation of C&D materials for off-site disposal, the excavated material arising from site formation and foundation works should be reused on-site as backfilling material and for landscaping works as far as practicable. Other mitigation requirements are listed below: • A Waste Management Plan (WMP), which becomes part of the Environmental Management Plan	Work Site/ During Design & Construction Period	Contractor	✓	✓			ETWB TCW No. 19/2005	Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	(EMP), should be prepared in accordance with ETWB TCW No.19/2005; • A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be adopted for easy tracking; and • 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 *ETWB TCW No. 31/2004*).								
6b.5.1.11 – 6b.5.1.12	The Contactor should prepare and implement an EMP in accordance with ETWB TCW No.19/2005, which describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from construction activities. Such a management plan should incorporate site specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable materials. The EMP should be submitted to the Engineer for approval. The Contractor should implement waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor, preferably on a monthly basis.	Work Site/ During Design & Construction Period	Contractor	✓	✓			ETWB TCW No. 19/2005	Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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	Chemical Wastes Should chemical wastes be produced at the construction site, the Contractor would be required to register with EPD as a Chemical Waste Producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste (such as explosive, flammable, oxidizing, irritant, toxic, harmful, or corrosive). The Contractor should employ a licensed collector to transport and dispose	Work Site/ During Construction Period	Contractor		✓			Waste Disposal (Chemical Waste) (General) Regulation	Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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	General Refuse General refuse should be stored in enclosed bins or compaction units separate from C&D materials. A licensed waste collector should be employed by the Contractor to remove general refuse from the site, separately from C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	Work Site/ During Construction Period	Contractor		✓			Public Health and Municipal Services Ordinance	Deficiency of Mitigation Measures but rectified by the Contractor
6b.5.1.16 – 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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	- precautions during construction works; - precautions prior to entry of belowground services								
6b.5.2.1	<u>Good Site Practices</u> 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, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site; • Use of a waste haulier licensed to collect specific category of waste; • 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. • Training of site personnel in proper waste management and chemical waste handling procedures;	IWMF Site/During Operation Period	IWMF Operator			✓		Waste Disposal Ordinance (Cap.354); Waste Disposal (Chemical Waste) (General) Regulation; ETWB TCW No. 1/2004	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	• Separation of chemical wastes for special handling and appropriate treatment at a licensed facility; • Routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors; • Provision of sufficient waste disposal points and regular collection for disposal; • 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 • Implementation of a recording system for the amount of wastes generated, and disposed of (including recycled the disposal sites).								
6b.5.2.2	<u>Waste Reduction Measures</u> 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: • 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; • Encourage collection of aluminum cans, plastic bottles and packaging material (e.g. carton boxes) and office	IWMF Site/ During Operation Period	IWMF Operator			✓			Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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 • Any unused chemicals or those with remaining functional capacity should be reused as far as practicable.								
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: • Ash should be stored in storage silos; • Ash should be handled and conveyed in closed systems fully segregatedfrom the ambient environment; • Ash should be wetted with water to control fugitive dust, where necessary; • 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;	IWMF Site/ During Operation Period	IWMF Operator			✓		Incineration Residue Pollution Control Limits	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	• 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	<u>Fuel Oil Tank Construction and Test</u> • The fuel tank to be installed should be of specified durability. • Double skin tanks are preferred. • Underground fuel storage tank should be placed within a concrete pit. • The concrete pit shall be accessible to allow regular tank integrity tests to be carried out at regular intervals. • Tank integrity tests should be conducted by an independent qualified surveyor or structural engineer. • Any potential problems identified in the test should be rectified as soon as possible.	Fuel Oil Storage Tank/ During Design, Construction and Operation Periods	IWMF Contractor	✓	✓	✓			N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
6b.6.3.1	Fuel Oil Pipeline Construction and Test • Installation of aboveground fuel oil pipelines is preferable; if underground pipelines are unavoidable, concrete lined trenches should be constructed to contain the pipelines. • Double skin pipelines are preferred. • Distance between the fuel oil refuelling points and the fuel oil storage tank shall be minimized. • Integrity tests for the pipelines should be conducted by an independent qualified surveyor or structural engineer at regular intervals. • Any potential problems identified in the test should be rectified as soon as possible.	Fuel Oil Pipelines/ During Design, Construction and Operation Periods	IWMF Contractor	✓	✓	✓			N/A
6b.6.3.1	Fuel Oil Leakage Detection • Installation of leak detection device at storage tank and pipelines. • 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.	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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	• 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. • Training - Training on oil spill response actions should be given to relevant staff. The training shall cover the followings: ➢Tools & resources to combat oil spillage and fire, e.g. locations of oil spill handling equipment and fire fighting equipment; ➢General methods to deal with oil spillage and fire incidents; ➢Procedures for emergency drills in the event of oil spills and fire; and ➢Regular drills shall be carried out. • Communication -Establish communication channel with the Fire Services Department (FSD) and EPD to report any oil spillage incident	IWMF Site/ During Operation Period	IWMF Operator			✓			N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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. -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: ➢Identify and isolate the source of spillage as soon as possible. ➢Contain the oil spillage and avoid infiltration into soil/ groundwater and discharge to storm water channels. ➢Remove the oil spillage. ➢Clean up the contaminated area. ➢If the oil spillage occurs during storage tank refuelling, the refueling operation should immediately be stopped. ➢Recovered contaminated fuel oil and the associated material to remove the spilled oil should be considered as chemical waste. The handling and disposal								

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	procedures for chemical wastes are discussed in the following paragraphs.								
6b.6.3.2	<u>Chemicals and Chemical Wastes Handling & Storage</u> • Chemicals and chemical wastes should only be stored in suitable containers in purpose-built areas. • The storage of chemical wastes should comply with the requirements of the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. • The storage areas for chemicals and chemical wastes shall have an impermeable floor or surface. The impermeable floor/ surface shall possess the following properties: - Not liable to chemically react with the materials and their containers to be stored. - Able to withstand normal loading and physical damage caused by container handling - The integrity and condition of the impermeable floor or surface should be inspected at regular intervals to ensure that it is satisfactorily maintained ➢ For liquid chemicals and chemical wastes storage, the	Chemicals and Chemical Wastes Storage Area / During Operation Period	IWMF Operator			✓			N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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. ➢ Chemical handling shall be conducted by trained workers under supervision.								
6b.6.3.2	<u>Chemicals and Chemical Wastes Spillage Response</u> A 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 - Training on spill response actions should be given to relevant staff. The training shall cover the followings:	IWMF Site/ During Operation Period	IWMF Operator			✓			N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	➢ 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 - Establish communication channel with FSD and EPD to report the spillage incident so that necessary assistance from relevant department can be quickly sought. • Response Procedures - Any spillage within the IWMF site should be reported to the Plant Manager. - 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: ➢ Identify and isolate the source of spillage as soon as possible; ➢ Contain the spillage and avoid infiltration into soil/								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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; ➢ Clean up the contaminated area (in case the spillage occurs at locations out of the designated storage areas); and ➢ The waste arising from the cleanup operation should be considered as chemical wastes.								
6b.6.3.3	<u>Preventive Measures for Incineration By-products Handling</u> The recommended measures listed below can minimize the potential contamination to the surrounding environment due to the incineration by-products: • Ash should be stored in storage silos; • Ash should be handled and conveyed in closed systems fully segregated	Storage, Handling & Collection of Incineration Ash at IWMF/ During Operation Period	IWMF Operator			✓			N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	from the ambient environment; • Ash should be wetted with water to control fugitive dust, where necessary; • 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; • 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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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 **Section 6b.6.3.1** and **Section 6b.6.3.2** of EIA report should be followed accordingly together with the land contamination assessment and remediation guidelines stipulated in the *Guidance Manual for Use of Risk-based Remediation Goals for Contaminated Land Management and the Guidance Note for Contaminated Land and Remediation.*								

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

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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
7b.8.2.1	Measures to avoid direct loss of intertidal habitat • 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.	IWMF site	Design team	✓				EIAO-TM	N/A
7b.8.2.2	Measures to minimise loss of coastal subtidal habitat • 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.	IWMF site	Design team	✓				EIAO-TM	N/A
7b.8.2.3	Zero Discharge Scheme • 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	IWMF site	Design team, IWMF operator	✓		✓		WPCO	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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	Measures to avoid loss of plant species of conservation importance • Landing portal construction works would not cause direct lost to the recorded individual of protected plant species, • *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.	Cheung Sha landing portal	Design team, Contractor	✓	✓		✓	EIAO-TM	N/A
7b.8.3.1 - 7b.8.3.15	Measures to minimise water quality impact • Measures for water quality as recommended in **Section 5b** of the EIA Report should be implemented.	Work site	Design team, contractor, IWMF operator	✓	✓	✓	✓	EIAO-TM; ProPECC PN 2/23; WPCO	Implemented
7b.8.3.16 - 7b.8.3.30	Measures to minimise disturbance on Finless Porpoise *Minimisation of Habitat Loss for Finless Porpoise*	IWMF site, work site, marine traffic route	Design team, contractor, IWMF operator	✓	✓	✓	✓	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 others

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	• 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. *Avoidance of peak season for finless porpoise occurrence* • 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 (December to May), including: - sheet piling works for construction of cofferdam surrounding the reclamation area (Phase 1); - sheet piling works for construction of the shorter section of breakwater (Phase 1);							Permit (EP-429/2012)	

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	- sheet piling works for construction of the remaining section of breakwater (Phase 3) and - bored piling works for berth area (Phase 3) 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* • Considering the sensitivity of marine mammals to underwater acoustic disturbance, instead of the previously proposed conventional breakwater and reclamation peripheral structure, which requires noisy piling works, the current circular cells structure for								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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. • 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. *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								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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* • 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. • Passive acoustic monitoring and land-based theodolite monitoring surveys should be adopted to verify the predicted impacts and effectiveness of the proposed mitigation measures. *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								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
7b.8.3.31 - 7b.8.3.34	<u>Measures to minimise impact on corals</u> *Coral translocation* • 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). • 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. • Prior to coral translocation, a more detailed baseline survey, including a coral mapping survey, is recommended to further confirm the	IWMF site	Design team, contractor, IWMF operator	✓	✓	✓	✓	EIAO-TM	Implemented, tagged coral found missing after hitting by typhoons Re-tagging of 10 coral colonies at indirect impact site and control site were conducted in November and December 2018 respectively.

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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* • 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. *Phasing of Works* • To minimize environmental impacts, the proposed phasing of construction works has been carefully designed to								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	reduce the amount of concurrent works, hence minimize SS elevation and the associated impacts on corals.								
7b.8.3.35 - 7b.8.3.41	Specific measures to minimize disturbance on breeding White-bellied Sea Eagle *Avoidance of noisy works during the breeding season of White-bellied Sea Eagle* • 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: - sheet piling works for construction of cofferdam surrounding the reclamation area (Phase 1); - sheet piling works for construction of the shorter section of breakwater (Phase 1); - sheet piling works for construction of the remaining section of breakwater (Phase 3); and - bored piling works for berth area (Phase 3).	IWMF site, marine traffic route	Design Team, Contractor, IWMF operator	✓	✓	✓	✓	EIAO-TM	Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	Opt for quieter construction methods and plants • 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. *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* • 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								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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). • 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&A Manual. *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*								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	• 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.								
-	Construction of Seawall/Breakwaters • To widen the open channel between the Artificial Island and Shek Kwu Chau. • To design the precast concrete seawall with environmental friendly features.	IWMF site	Design team, contractor, IWMF operator	✓	✓			Supporting Document for Application for Variation of Environmental Permit (EP-429/2012)	N/A
7b.8.3.42	Opt for Quieter Construction Methods and Plants • Quieter construction methods and plants should be used to minimise disturbance to the nearby terrestrial habitat and the associated wildlife.	Work site	Design team, contractor, IWMF operator	✓	✓	✓	✓	EIAO-TM	Implemented
7b.8.3.43	Measures to minimize impacts from artificial lighting • Unnecessary lighting should be avoided, and shielding of lights should be provided to minimize disturbance from light pollution on fauna groups.	IWMF site	Design team, contractor, IWMF operator	✓	✓	✓		EIAO-TM	Implemented

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
7b.8.3.44 - 7b.8.3.45	Measures to minimize accidental spillage • Regular maintenance of vessels, vehicles and equipment that may cause leakage and spillage should only be undertaken within pre-designated areas, which are appropriately equipped to control the associated discharges. • 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.	Work site	Contractor, IWMF operator		✓	✓	✓	EIAO-TM	Deficiency of Mitigation Measures but rectified by the Contractor.
7b.8.3.46	Measures to minimise sewage effluent • Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce.	Work site	Contractor		✓			EIAO-TM	N/A
7b.8.3.47	Measures to minimise drainage and construction runoff • Potential ecological impacts resulted from potential degradation of water quality due to unmitigated surface	Work site	Contractor		✓		✓	EIAO-TM	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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. - Channels, earth bunds or sand bag 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. - Exposed soil surface should be minimized to reduce siltation and runoff. - Earthwork final surfaces should be well compacted. Subsequent permanent surface protection should be immediately performed. - Open stockpiles of construction materials, and construction wastes on-								

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	site should be covered with tarpaulin or similar fabric during rainstorms.								
7b.8.3.48	Measures to minimise impacts from general construction activities • 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 regular basis.	Work site	Contractor		✓			EIAO-TM	Implemented
7b.8.3.49	Pest Control 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 - Rapid clean up of any waste spillages	IWMF site	IWMF operator			✓			N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	- Maintenance of a tidy and clean site environment - Regular application of pest control - Education of staff the importance of site cleanliness								
7b.8.3.50	Control of Marine Habitat Quality during Operation Phase • 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.	IWMF site	IWMF operator			✓		EIAO-TM; WPCO	N/A
7b.8.4.1 –	Compensation of loss of important habitat of Finless Porpoise	Waters between Shek	Project Proponent	✓		✓		EIAO-TM	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
7b.8.4.8	*Designation of Marine Park* • 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. • 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. • 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. Based on the findings, ecological profiles of the proposed area for marine park designation should be established, and the extent and	Kwu Chau and Soko Islands							

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	location of the proposed marine park be determined. The adequacy of enhancement measures should also be reviewed. • In addition, a management plan for the proposed marine park should be proposed, covering information on the responsible departments for operation and management (O&M) of the marine park, as well as the O&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. • The Project Proponent should provide assistance to AFCD during the process of the marine park designation. .								
7b.8.5.1 – 7b.8.5.4	<u>Additional Enhancement or Precautionary Measures</u> *Deployment of Artificial Reefs* • Deployment of artificial reefs (ARs) is an enhancement measure for the marine habitats. ARs are proposed to be deployed within the proposed	Within the proposed marine park under this study	Project Proponent	✓		✓		EIAO-TM	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
	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. *Release of Fish Fry at Artificial Reefs and Marine Park* • 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.								

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

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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
8b.8.1.2	Measure to minimize loss of and disturbance on fisheries resources • 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.	IWMF site	Design team, contractor	✓	✓		✓	EIAO-TM	N/A
8b.8.1.3	Measure to minimize impingement and entrainment • 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.	IWMF site	Design team, contractor, IWMF operator	✓	✓	✓		EIAO-TM	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
8b.8.1.4-8b.8.1.6	Measures to control water quality • No wastewater effluent, anti-fouling agent, heavy metals and other contaminants would be released during operation phase of the Project. • 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	Work site, IWMF site	Design team, contractor, IWMF operator	✓	✓	✓	✓	EIAO-TM	Implemented
8b.8.1.7 – 8b.8.1.8	Additional Enhancement / Precautionary Measures • 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. *Release of Fish Fry at Artificial Reefs* • 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.	Within the proposed marine park in the waters between Soko Islands and Shek Kwu Chau	Project Proponent	✓		✓		EIAO-TM	N/A

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

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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
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	Landscape Design 1) 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. 2) Use of tree species of dense tree crown to serve as visual barrier. 3) 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. 4) Planting strip along the periphery of the project site. 5) Selected tree species suitable for the coastal condition.	Work site / During design & construction phases	Contractor	✓	✓				N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
S10b.10 MLVC-03	Adoption of Natural Features of the Existing Shoreline 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. 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.	Work site / During construction phase	Contractor		✓				N/A
S10b.10 MLVC-04	Greening Design (Rooftop & Vertical Greening) 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. 2) Sufficient space between concrete enclosure and stack to minimize heat transfer. 3) Introduction of landscape decks at the stack to further enhance the overall natural and green concept unique for this site.	Work site / During design & construction phases	Contractor	✓	✓				N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
S10b.10 MVC-01	Visual Mitigation and Aesthetic Design 1) Use of natural materials with recessive color to minimize the bulkiness of the building. 2) 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. 3) Color of the chimney in a gradual changing manner to match with the color of the sky. 4) Provision of observation deck for public enjoyment at the top of the chimney to diminish the feeling of chimney. 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. 6) Integration of the visitor's walkway with different material façade design of incinerator plant to enhance the aesthetic quality.	Structures in IWMF / During design & constructio n phases	Contractor	✓	✓				N/A
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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
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	Control of Light 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

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
S10b.10 MVO-03	Control of Operation Time 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

Jan-26

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
	Impact Daytime & Evening Noise monitoring for M1, M2 & M3	Impact Night time Noise monitoring for M1, M2 & M3	Impact Ecology monitoring for WBSE			
11	12	13	14	15	16	17
	Impact Daytime & Evening Noise monitoring for M1, M2 & M3	Impact Night time Noise monitoring for M1, M2 & M3	Impact Ecology monitoring for WBSE			
18	19	20	21	22	23	24
	Impact Daytime & Evening Noise monitoring for M1, M2 & M3	Impact Night time Noise monitoring for M1, M2 & M3	Impact Ecology monitoring for WBSE			
25	26	27	28	29	30	31
	Impact Daytime & Evening Noise monitoring for M1, M2 & M3	Impact Night time Noise monitoring for M1, M2 & M3	Impact Ecology monitoring for WBSE			

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 S1,S2 and S3 will only conduct during DCM works, refer to Detailed DCM Plan.
3.No marine construction work is tentatively scheduled to be carried out in January 2026.

Appendix D Event / Action Plan for Water Quality Exceedance

Event	Action			
	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)

Event	Action			
	ET	IEC	SO	Contractor
Limit level being exceeded by one sampling day	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 Contractor, IEC and SO 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)	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, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented measures. (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, IEC and SO 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)

Event	Action			
	ET	IEC	SO	Contractor
Limit level being exceeded by more than one consecutive sampling days	Identify source(s) of impact; Inform IEC, Contractor and EPD; Check monitoring data, all plant, equipment and Contractor's working methods. Discuss mitigation measures with IEC, SO and Contractor. Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days. (The above actions should be taken within 1 working day after Limit 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 Limit Level being exceeded by two consecutive sampling days)	Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented measures. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit level. (The above actions should be taken within 1 working day after Limit 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, IEC and SO and propose mitigation measures to IEC and SO within 3 working days; Implement the agreed mitigation measures; As directed by the SOR, to slow down or to stop all or part of the marine work or construction activities. (The above actions should be taken within 1 working day 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.:	***SVAN 971 (Serial No.: 103482)***
Microphone:	***ACO 7052E (Serial No.: 93025)***
Preamplifier:	***SV-18 (Serial No.: 149612)***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B, Manulife Financial Centre,*
	223-231 Wai Yip Street,
	Kwun Tong, Kowloon, Hong Kong

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

☑ **Within (31.5Hz – 4kHz)**
☐ **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: 23 July 2025

Date of calibration: 24 July 2025

Date of NEXT calibration: 23 July 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: **24 July 2025**

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

Certificate No.: APJ25-035-CC003

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

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: 24.6 °C
Air Pressure: 1006 hPa
Relative Humidity: 58.9 %

3. *Calibration Equipment:*

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-137	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-137	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-137	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

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Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-137	dB SPL	Fast	94	31.5	94.5	±2.0
				63	94.4	±1.5
				125	94.2	±1.5
				250	94.2	±1.4
				500	94.1	±1.4
				1000	94.0	Ref
				2000	93.8	±1.6
				4000	93.4	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-137	dBA SPL	Fast	94	31.5	55.1	-39.4 ±2.0
				63	68.2	-26.2 ±1.5
				125	78.2	-16.1 ±1.5
				250	85.6	-8.6 ±1.4
				500	90.9	-3.2 ±1.4
				1000	94.0	Ref
				2000	95.0	+1.2 ±1.6
				4000	94.5	+1.0 ±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-137	dBC SPL	Fast	94	31.5	91.5	-3.0 ±2.0
				63	93.5	-0.8 ±1.5
				125	94.1	-0.2 ±1.5
				250	94.2	-0.0 ±1.4
				500	94.2	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.7	-0.2 ±1.6
				4000	92.7	-0.8 ±1.6

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

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	± 0.05
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
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.

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

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***SVANTEK***
Type No.:	***SVAN 971 (Serial No.: C119577)***
Microphone:	***ACO 7052E (Serial No.: 93026)***
Preamplifier:	***SV-18 (Serial No.: 103880)***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B, Manulife Financial Centre,* *223-231 Wai Yip Street,* *Kwun Tong, Kowloon, Hong Kong*

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

☑ **Within (31.5Hz – 4kHz)**
☐ **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: 6 August 2025

Date of calibration: 7 August 2025

Date of NEXT calibration: 6 August 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: **7 August 2025**

Certificate No.: APJ25-046-CC005

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

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

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:	24.6	°C
Air Pressure:	1006	hPa
Relative Humidity:	54.7	%

3. *Calibration Equipment:*

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-139.3	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-139.3	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-139.3	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

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Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-139.3	dB SPL	Fast	94	31.5	94.4	±2.0
				63	94.3	±1.5
				125	94.2	±1.5
				250	94.1	±1.4
				500	94.1	±1.4
				1000	94.0	Ref
				2000	93.7	±1.6
				4000	93.3	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-139.3	dBA SPL	Fast	94	31.5	54.9	-39.4 ±2.0
				63	68.0	-26.2 ±1.5
				125	78.0	-16.1 ±1.5
				250	85.4	-8.6 ±1.4
				500	90.8	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.9	+1.2 ±1.6
				4000	94.3	+1.0 ±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-139.3	dBC SPL	Fast	94	31.5	91.2	-3.0 ±2.0
				63	93.3	-0.8 ±1.5
				125	93.9	-0.2 ±1.5
				250	94.0	-0.0 ±1.4
				500	94.0	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.5	-0.2 ±1.6
				4000	92.5	-0.8 ±1.6

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Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

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	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
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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Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***SVANTEK***
Type No.:	***SVAN 971 (Serial No.: C132269)***
Microphone:	***ACO 7052E (Serial No.: 90332)***
Preamplifier:	***SV-18 (Serial No.: 152260)***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B, Manulife Financial Centre,*
	223-231 Wai Yip Street,
	Kwun Tong, Kowloon, Hong Kong

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

☑ **Within (31.5Hz – 4kHz)**
☐ **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: 6 August 2025

Date of calibration: 7 August 2025

Date of NEXT calibration: 6 August 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: **7 August 2025**

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

Certificate No.: APJ25-046-CC006

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

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:	24.6	**°C**
Air Pressure:	1006	**hPa**
Relative Humidity:	54.7	**%**

3. *Calibration Equipment:*

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)				Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting		Time Weighting	Level, dB	Frequency, Hz		
35-139.1	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)				Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting		Time Weighting	Level, dB	Frequency, Hz		
35-139.1	dBA	SPL	Fast	94	1000	94.0	Ref
				104		104.0	±0.3
				114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)				Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting		Time Weighting	Level, dB	Frequency, Hz		
35-139.1	dBA	SPL	Fast	94	1000	94.0	Ref
			Slow			94.0	±0.3

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Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-139.1	dB SPL	Fast	94	31.5	94.3	±2.0
				63	94.2	±1.5
				125	94.1	±1.5
				250	94.0	±1.4
				500	94.0	±1.4
				1000	94.0	Ref
				2000	93.3	±1.6
				4000	93.4	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-139.1	dBA SPL	Fast	94	31.5	55.1	-39.4 ±2.0
				63	68.1	-26.2 ±1.5
				125	78.0	-16.1 ±1.5
				250	85.4	-8.6 ±1.4
				500	90.7	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.6	+1.2 ±1.6
				4000	94.4	+1.0 ±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
35-139.1	dBC SPL	Fast	94	31.5	91.3	-3.0 ±2.0
				63	93.4	-0.8 ±1.5
				125	93.9	-0.2 ±1.5
				250	94.0	-0.0 ±1.4
				500	94.0	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.2	-0.2 ±1.6
				4000	92.6	-0.8 ±1.6

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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	± 0.10
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
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 of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-74***
Serial No.:	***34615222***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B, Manulife Financial Centre,* *223-231 Wai Yip Street, Kwun Tong,* *Kowloon, Hong Kong*

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

☑ **Within**
☐ **Outside**

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 14 April 2025

Date of calibration: 15 April 2025

Date of NEXT calibration: 14 April 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: **15 April 2025**

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

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

1. *Calibration Precautions:*

- 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 Specifications:*

Calibration check

3. *Calibration Conditions:*

Air Temperature:	24.5 °C
Air Pressure:	1006 hPa
Relative Humidity:	64.5 %

4. *Calibration Equipment:*

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV240109	HOKLAS

5. *Calibration Results*

5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	93.7

Note:
The values given in this certification only related to the values measured at the time of the calibration.

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Appendix F Event / Action Plan for Noise Exceedance

Event	Actions to be taken by Environmental Team as immediate as practicable	Actions to be taken by Independent Environmental Checker as immediate as practicable	Actions to be taken by Supervising Officer's Representative as immediate as practicable	Actions to be taken by Contractor as immediate as practicable
Action Level being exceeded	1. Notify IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, SO and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness. (The above actions should be taken within 2 working .days after the exceedance is identified)	1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the SO accordingly; 3. Advise the SO on the effectiveness of the proposed remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified).	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified).	1. Submit noise mitigation proposals to IEC and SO; 2. Implement noise mitigation proposals. (The above actions should be taken within 2 working days after the exceedance is identified)
Limit Level being exceeded	1. Inform IEC, SO, Contractor and EPD; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor's working procedures; 6. Discuss with the IEC, Contractor and SO on remedial measures required; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and SO informed of the results; 8. If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Discuss amongst SO, ET, and Contractor on the potential remedial actions; 2. 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 the exceedance is identified)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; 5. If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and SO within 3 working days of notification; 3. Implement the agreed proposals; 4. Submit further proposal if problem still not under control; 5. 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)

Appendix G Noise Monitoring Data

Location: Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1 (M1 / N_S1)

Monitoring date: 05, 12, 19 and 26 January 2026 (Daytime)

05&06, 12&13, 19&20 and 26&27 January 2026 (Evening & Nighttime)

Parameter: $L_{eq\ 30min}$ (Daytime), $L_{eq\ 5min}$ (Evening & Night time)

Noise source other than construction activities from the Project: Nil

Noise Monitoring Data:

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Sound Level Meter Used	Calibrator Used
5 Jan 2026	14:12	-	14:42	Sunny	59.0	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
5 Jan 2026	19:07	-	19:12	Fine	52.9	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
	20:07	-	20:12		50.4		
	21:12	-	21:17		51.1		
6 Jan 2026	1:07	-	1:12	Fine	49.9	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
	3:12	-	3:17		48.5		
	5:07	-	5:12		48.7		
12 Jan 2026	14:04	-	14:34	Fine	58.0	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
12 Jan 2026	19:09	-	19:14	Fine	56.2	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
	20:09	-	20:14		54.7		
	21:09	-	21:14		54.8		
13 Jan 2026	1:09	-	1:14	Fine	54.2	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
	3:09	-	3:14		53.6		
	5:09	-	5:14		52.8		
19 Jan 2026	14:17	-	14:47	Sunny	58.9	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
19 Jan 2026	19:12	-	19:17	Fine	49.4	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
	20:02	-	20:07		53.9		
	19:12	-	19:17		49.4		
20 Jan 2026	1:07	-	1:12	Fine	46.2	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
	3:17	-	3:22		47.4		
	5:07	-	5:12		48.1		
26 Jan 2026	14:19	-	14:49	Fine	57.2	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
26 Jan 2026	19:19	-	19:24	Fine	50.2	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
	20:14	-	20:19		49.8		
	21:29	-	21:34		49.6		
27 Jan 2026	1:09	-	1:14	Fine	49.0	SVAN 971 (Serial No. C119577)	Rion NC-74 (No.34615222)
	3:14	-	3:19		47.9		
	5:14	-	5:19		47.2		

Location: Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2 (M2 / N_S2)

Monitoring date: 05, 12, 19 and 26 January 2026 (Daytime)

05&06, 12&13, 19&20 and 26&27 January 2026 (Evening & Nighttime)

Parameter: $L_{eq\ 30min}$ (Daytime), $L_{eq\ 5min}$ (Evening & Night time)

Noise source other than construction activities from the Project: Nil

Noise Monitoring Data:

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Sound Level Meter Used	Calibrator Used
5 Jan 2026	14:51	-	15:21	Sunny	58.2	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
5 Jan 2026	19:01	-	19:06	Fine	52.1	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
	20:11	-	20:16		52.9		
	21:21	-	21:26		48.1		
6 Jan 2026	1:11	-	1:16	Fine	56.1	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
	3:26	-	3:31		55.6		
	5:41	-	5:46		57.8		
12 Jan 2026	14:23	-	14:53	Fine	54.9	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
12 Jan 2026	19:13	-	19:18	Fine	50.0	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
	20:08	-	20:13		48.7		
	21:08	-	21:13		49.5		
13 Jan 2026	1:13	-	1:18	Fine	48.6	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
	3:28	-	3:33		47.2		
	5:08	-	5:13		48.0		
19 Jan 2026	14:00	-	14:30	Sunny	56.3	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
19 Jan 2026	19:15	-	19:20	Fine	50.7	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
	20:10	-	20:15		55.1		
	21:15	-	21:20		48.4		
20 Jan 2026	1:10	-	1:15	Fine	47.6	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
	3:10	-	3:15		49.5		
	5:15	-	5:20		50.5		
26 Jan 2026	14:00	-	14:30	Fine	56.0	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
26 Jan 2026	19:20	-	19:25	Fine	51.4	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
	20:15	-	20:20		50.0		
	21:15	-	21:20		50.5		
27 Jan 2026	1:15	-	1:20	Fine	48.9	SVAN 971 (Serial No. 103449)	Rion NC-74 (No.34615222)
	3:20	-	3:25		47.4		
	5:20	-	5:25		48.1		

Location: Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3 (M3 / N_S3)

Monitoring date: 05, 12, 19 and 26 January 2026 (Daytime)

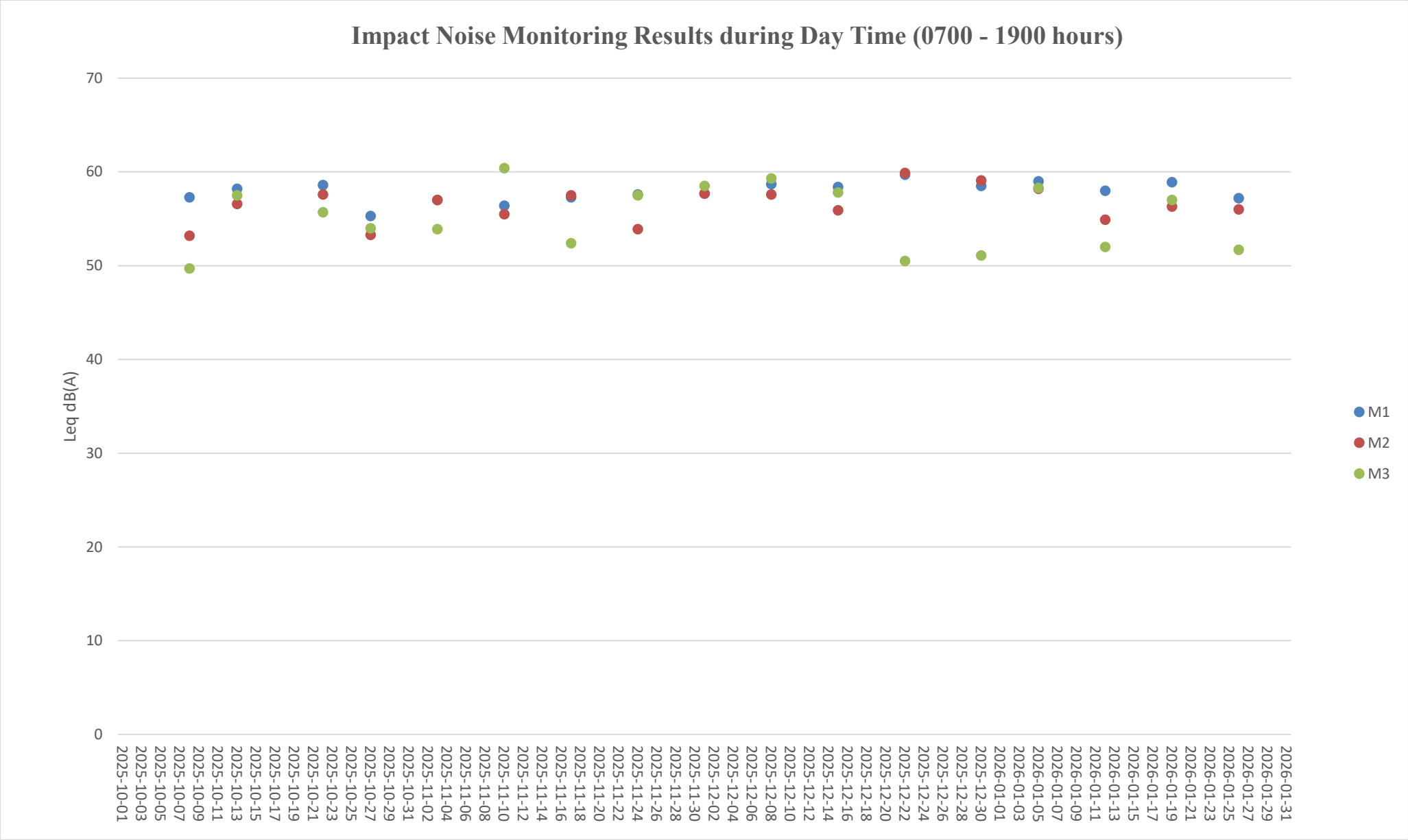
05&06, 12&13, 19&20 and 26&27 January 2026 (Evening & Nighttime)

Parameter: $L_{eq\ 30min}$ (Daytime), $L_{eq\ 5min}$ (Evening & Night time)

Noise source other than construction activities from the Project: Operation of nearby Air Quality Monitoring Station

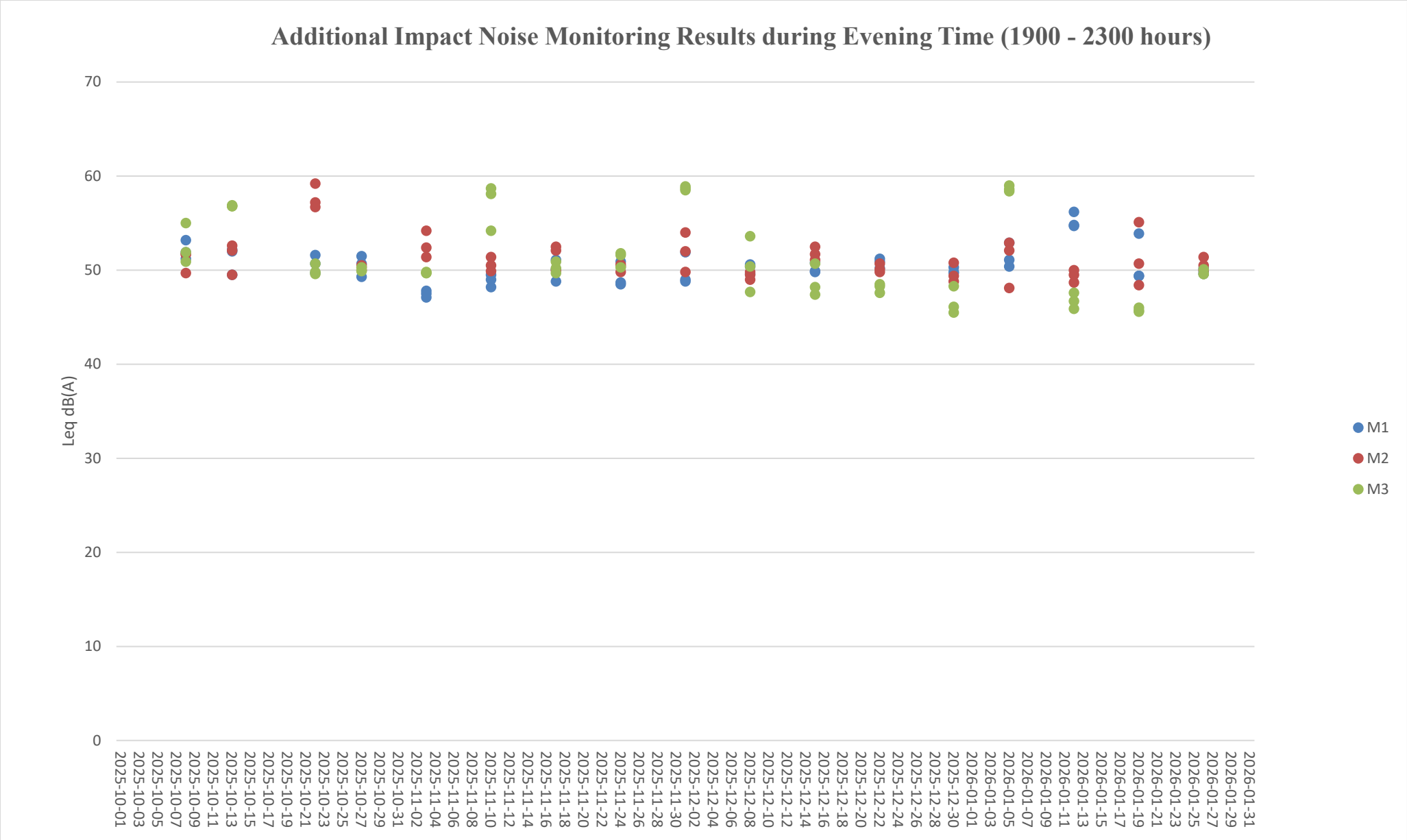
Noise Monitoring data:

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Sound Level Meter Used	Calibrator Used
5 Jan 2026	14:44	-	15:14	Sunny	58.3	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
5 Jan 2026	19:24	-	19:29	Fine	59.0	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
	20:24	-	20:29		58.4		
	21:29	-	21:34		58.6		
6 Jan 2026	1:19	-	1:24	Fine	58.5	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
	3:29	-	3:34		58.7		
	5:44	-	5:49		58.5		
12 Jan 2026	14:22	-	14:52	Fine	52.0	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
12 Jan 2026	19:07	-	19:12	Fine	46.7	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
	20:07	-	20:12		45.9		
	21:07	-	21:12		47.6		
13 Jan 2026	1:12	-	1:17	Fine	46.6	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
	3:32	-	3:37		47.0		
	5:12	-	5:17		46.2		
19 Jan 2026	14:11	-	14:41	Sunny	57.0	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
19 Jan 2026	19:11	-	19:16	Fine	45.7	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
	20:06	-	20:11		45.6		
	21:16	-	21:21		46.0		
20 Jan 2026	1:11	-	1:16	Fine	44.6	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
	3:11	-	3:16		46.9		
	5:11	-	5:16		48.8		
26 Jan 2026	14:14	-	14:44	Fine	51.7	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
26 Jan 2026	19:19	-	19:24	Fine	50.1	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
	20:14	-	20:19		49.6		
	21:14	-	21:19		49.6		
27 Jan 2026	1:14	-	1:19	Fine	49.2	SVAN 971 (Serial No. C132269)	Rion NC-74 (No.34615222)
	3:19	-	3:24		49.3		
	5:19	-	5:24		49.4		



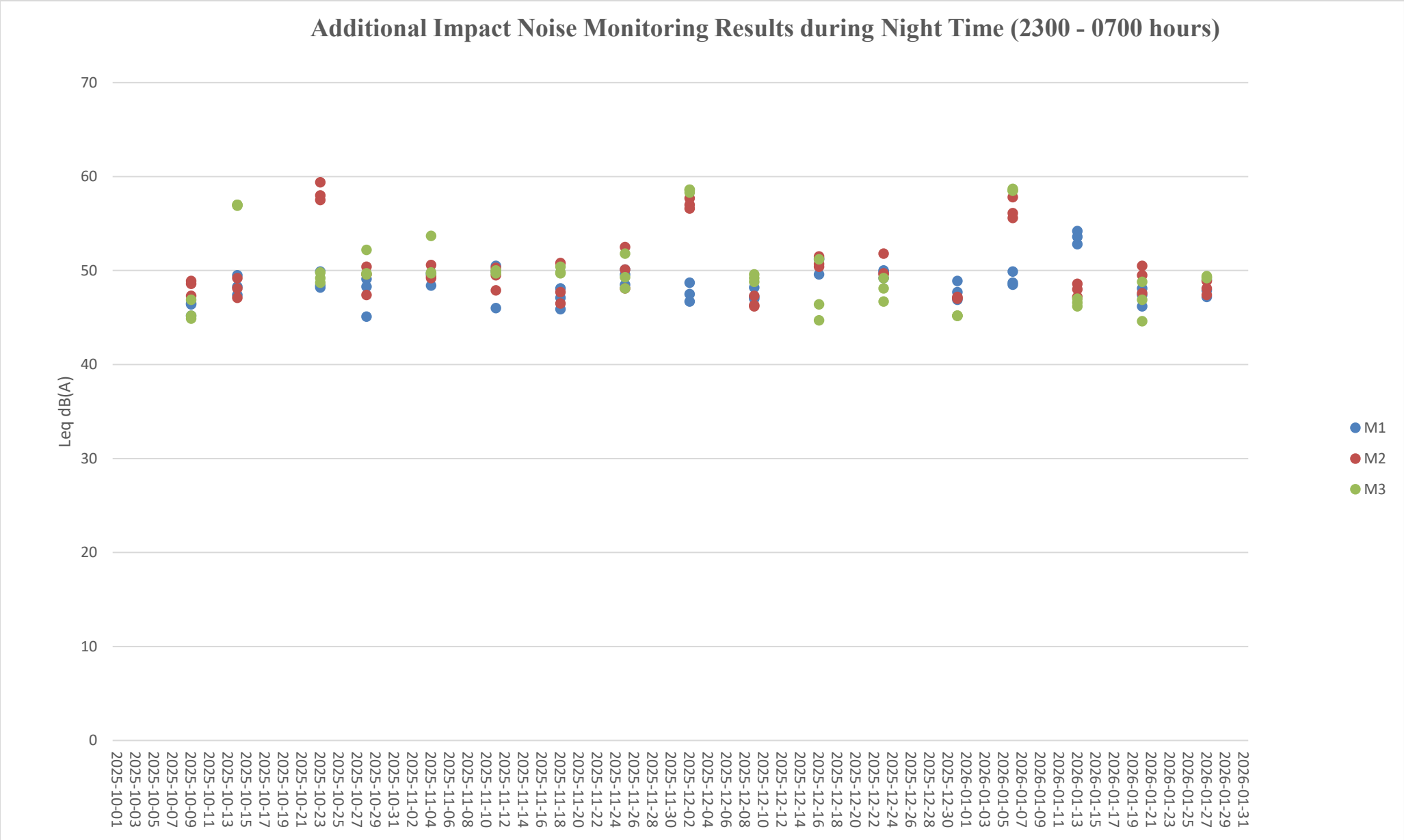
Remark:

1. Construction works carried out during reporting month refer to **Table 1.2**.
2. Weather condition recorded and noise source other than construction activities from the Project observed during the monitoring events refer to noise monitoring data summary in **Appendix G**.



Remark:

1. Construction works carried out during reporting month refer to **Table 1.2**.
2. Weather condition recorded and noise source other than construction activities from the Project observed during the monitoring events refer to noise monitoring data summary in **Appendix G**.



Remark:

1. Construction works carried out during reporting month refer to **Table 1.2**.
2. Weather condition recorded and noise source other than construction activities from the Project observed during the monitoring events refer to noise monitoring data summary in **Appendix G**.

Appendix H Waste Flow Table

吉寶西格斯 - 振華聯營公司
Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for 2018 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	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)	Chemical Waste		Others, e.g. general refuse (see Note 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 ,000L)	(in ,000 m^3)
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.

吉寶西格斯 - 振華聯營公司
Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for 2019 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	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)	Chemical Waste		Others, e.g. general refuse (see Note 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 ,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

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.

吉寶西格斯 - 振華聯營公司
Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for 2020 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	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)	Chemical Waste		Others, e.g. general refuse (see Note 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 ,000L)	(in ,000 m^3)
Jan	0	0	0	0	0	37.1550	0	25.0812	0	0	0	0	0	0.0065
Feb	0	0	0	0	0	27.7910	0	18.8300	0	0	0	0	0	0.0065
Mar	0	0	0	0	0	22.5669	0	26.1586	0	0	0	0	7.2000	0.0065
Apr	0	0	0	0	0	12.7800	0	10.1825	0	0	0	0	0	0.0195
May	0	0	0	0	0	16.1138	0	24.3740	0	0.4220	0	0	0	0.0195
Jun	0	0	0	0	0	31.5177	0	28.3030	0	0	0	0	0	0.0065
Sub-total	0	0	0	0	0	147.9244	0	132.9293	0	0.4220	0	0	7.2000	0.0650
Jul	0	0	0	0	0	34.7856	17.0606	35.1800	0	0	0	0	0	0.0195
Aug	0	0	0	0	0	27.1375	65.5667	27.9335	0	0	0	0	0	0
Sep	0	0	0	0	0	11.9813	110.1328	43.5435	0	0	0	0	0	0.0195
Oct	0	0	0	0	0	2.8213	131.6600	22.5415	0	0	0	0	0	0.0130
Nov	0	0	0	0	0	0	162.1811	44.6475	0	0.4090	0	0	0.4000	0.0130
Dec	0	0	0	0	0	0	174.9800	57.8380	0	0	0	0	0	0.0130
Total	0	0	0	0	0	224.6501	661.5812	364.6133	0	0.8310	0	0	7.6000	0.1430

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.

吉寶西格斯 - 振華聯營公司
Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for 2021 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	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)	Chemical Waste		Others, e.g. general refuse (see Note 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 ,000L)	(in ,000 m^3)
Jan	0	0	0	0	0	0	198.1311	36.4775	0	0	0	0	0	0.0065
Feb	0	0	0	0	0	0	143.9511	20.9960	0	0	0	0	0	0.6305
Mar	0	0	0	0	0	0	103.1833	23.4510	0	0	0	0	0	0.0130
Apr	0	0	0	0	0	0	161.2956	27.2810	0	0	0	0	0	0.0130
May	0	0	0	0	0	0	193.3300	20.5265	0	0	0	0	0	0.0715
Jun	0	0	0	0	0	0	141.5728	23.7825	0	0.2440	0	0	0	0.0455
Sub-total	0	0	0	0	0	0	941.4639	152.5145	0	0.2440	0	0	0	0.7800
Jul	0	0	0	0	0	0	105.1083	30.6065	0	0	0	0	0	0.0195
Aug	0	0	0	0	0	0	11.1822	7.5180	0	0	0	0	0	0.0130
Sep	0	0	0	0	0	0	0	5.7575	0	0	0	0	0.6000	0.0390
Oct	0	0	0	0	0	0	0	6.8885	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	6.2975	0	0.1610	0	0	0	0.0130
Dec	0	0	0	0	0	0	0	5.9235	0	0	0	0	0	0
Total	0	0	0	0	0	0	1057.7544	215.5060	0	0.4050	0	0	0.6000	0.8645

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.

吉寶西格斯 - 振華聯營公司
Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for 2022 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	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)	Chemical Waste		Others, e.g. general refuse (see Note 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 ,000L)	(in ,000 m^3)
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

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.

吉寶西格斯 - 振華聯營公司
Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for 2023 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	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)	Chemical Waste		Others, e.g. general refuse (see Note 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 ,000L)	(in ,000 m^3)
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	21.8900	0	0	21.8900	0	0	0	0	0	0.3160	0	0	0	0.1495
Jun	8.8878	0	0	8.8878	0	0	0	0	0	0	0	0	0	0.1950
Sub-total	140.2812	0	0	140.2812	0	0	0	4.1560	11.1501	0.8460	0.0007	0	0	0.8515
Jul	2.2233	0	0	2.2233	0	0	0	0	0	0.3870	0	0	0	0.1495
Aug	4.4200	0	0	4.4200	0	0	0	0	0	0	0	0	0	0.2015
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2860
Oct	0	0	0	0	0	0	0	0.4025	0	0.3770	0	0	0	0.2405
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3510
Dec	0	0	0	0	0	0	0	0.4960	0	0	0	0	0	0.3835
Total	146.9245	0	0	146.9245	0	0	0	5.0545	11.1501	1.6100	0.0007	0	0	2.4635

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.

吉寶西格斯 - 振華聯營公司
Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for 2024 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	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)	Chemical Waste		Others, e.g. general refuse (see Note 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 ,000L)	(in ,000 m^3)
Jan	0	0	0	0	0	0	0	0	22.8700	0	0	0	0	0.4940
Feb	1.9433	0	0	1.9433	0	0	0	0	0	0.3190	0	0	0	0.2665
Mar	4.4367	0	0	4.4367	0	0	0	0	0	0	0	0	0	0.3640
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5915
May	0	0	0	0	0	0	0	0	0	0.6530	0	0	0	0.7410
Jun	5.0453	0	0	0	5.0453	0	0	0.5120	0	0	0	0	0	0.4940
Sub-total	11.4253	0	0	6.3800	5.0453	0	0	0.5120	22.8700	0.9720	0	0	0	2.9510
Jul	5.5519	0	0	2.1883	3.3636	0	0	0	0	0.6060	0	0	0	0.7215
Aug	2.1000	0	0	2.1000	0	0	0	0	0	0	0	0	0	0.6955
Sep	2.1894	0	0	2.1894	0	0	0	0	0	0	0	0	0	0.7540
Oct	0	0	0	0	0	0	0	0	0	0.2860	0	0	0	0.8775
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7995
Dec	0.0033	0	0	0	0.0033	0	0	0	0	0.4950	0	0	0	1.0985
Total	21.2699	0	0	12.8577	8.4122	0	0	0.5120	22.8700	2.3590	0	0	0	7.8975

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.

吉寶西格斯 - 振華聯營公司
Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for 2025 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	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)	Chemical Waste		Others, e.g. general refuse (see Note 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 ,000L)	(in ,000 m^3)
Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8645
Feb	2.8956	0	0	0	2.8956	0	0	0	0	0.5800	0	0	0	0.8125
Mar	1.6508	0	0	0	1.6508	0	0	0	0	0.6090	0	0	0	1.3715
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2805
May	0	0	0	0	0	0	0	0	0	0	0	0	0.1000	1.6640
Jun	0	0	0	0	0	0	0	0	0	0.7200	0	0	0	1.2610
Sub-total	4.5464	0	0	0	4.5464	0	0	0	0	1.9090	0	0	0.1000	7.2540
Jul	1.4553	0	0	0	1.4553	0	0	0	0	0	0	0	0	0.8645
Aug	0	0	0	0	0	0	0	0	0	0.5330	0	0	0	1.1310
Sep	4.3658	0	0	0	4.3658	0	0	0	0	0	0	0	0	1.3910
Oct	1.4553	0	0	0	1.4553	0	0	0	0	0.4450	0	0	0	0.6175
Nov	4.3658	0	0	0	4.3658	0	0	0	0	0	0	0	0	1.7615
Dec	9.5137	0	0	0	9.5137	0	0	0	0	0.4700	0	0	0	1.5665
Total	25.7023	0	0	0	25.7023	0	0	0	0	3.3570	0	0	0.1000	14.5860

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.

吉寶西格斯 - 振華聯營公司
Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for 2026 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	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)	Chemical Waste		Others, e.g. general refuse (see Note 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 ,000L)	(in ,000 m^3)
Jan	13.2062	0	0	0	13.2062	0	0	0	0	0.3380	0	0	0	1.0855
Feb														
Mar														
Apr														
May														
Jun														
Sub-total	13.2062	0	0	0	13.2062	0	0	0	0	0.3380	0	0	0	1.0855
Jul														
Aug														
Sep														
Oct														
Nov														
Dec														
Total	13.2062	0	0	0	13.2062	0	0	0	0	0.3380	0	0	0	1.0855

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.

Appendix I Event / Action Plan for Coral Monitoring

Event	Action			
	ET Leader	**IEC**	**SO**	**Contractor**
Action Level Exceedance	1. Check monitoring data 2. Inform the IEC, SO ,and Contractor of the findings; 3. Increase the monitoring to at least once a month to confirm findings; 4. Propose mitigation measures for consideration	1. Discuss monitoring with the ET and the Contractor; 2. Review proposals for additional monitoring and any other measures submitted by the Contractor and advise the SO accordingly.	1. Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET; 2. Make the agreement on the measures to be implemented.	1. Inform the SO and confirm notification of the non-compliance in writing; 2. Discuss with the ET and the IEC and propose measures to the IEC and the SO; 3. Implement the agreed measures.
Limit Level Exceedance	1. Undertake Steps 1-4 as in the Action Level Exceedance. If further exceedance of Limit Level, propose enhancement measures for consideration.	1. Discuss monitoring with the ET and the Contractor; 2. Review proposals for additional monitoring and any other measures submitted by the Contractor and advise the SO accordingly.	1. Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET; 2. Make the agreement on the measures to be implemented.	1. Inform the SO and confirm notification of the non-compliance in writing; 2. Discuss with the ET and the IEC and propose measures to the IEC and the SO; 3. Implement the agreed measures.

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

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

Appendix K Exceedance Report

Statistical Summary of Exceedances in the Reporting Period

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 (Night Time)			
Location	**Action Level**	**Limit Level**	**Total**
M1	0	0	0
M2	0	0	0
M3	0	0	0

Appendix L Complaint Log

Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics		
	Frequency	**Cumulative**	**Complaint Nature**
1 Jan 2026 - 31 Jan 2026	0	4	N/A

Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics		
	Frequency	**Cumulative**	**Details**
1 Jan 2026 - 31 Jan 2026	0	0	N/A

Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics		
	Frequency	**Cumulative**	**Details**
1 Jan 2026 - 31 Jan 2026	0	0	N/A

Appendix M Impact Monitoring Schedule of Next Reporting Month

Impact Monitoring Schedule for IWMF

Feb-26

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
	Impact Daytime & Evening Noise monitoring for M1, M2 & M3	Impact Night time Noise monitoring for M1, M2 & M3	Impact Ecology monitoring for WBSE			
8	9	10	11	12	13	14
	Impact Daytime & Evening Noise monitoring for M1, M2 & M3	Impact Night time Noise monitoring for M1, M2 & M3	Impact Ecology monitoring for WBSE			
15	16	17	18	19	20	21
					Impact Daytime & Evening Noise monitoring for M1, M2 & M3 Ecology monitoring for WBSE	Impact Night time Noise monitoring for M1, M2 & M3
22	23	24	25	26	27	28
	Impact Daytime & Evening Noise monitoring for M1, M2 & M3	Impact Night time Noise monitoring for M1, M2 & M3			Impact Ecology monitoring for WBSE	

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 S1,S2 and S3 will only conduct during DCM works, refer to Detailed DCM Plan.
3.No marine construction work is tentatively scheduled to be carried out in February 2026.