環境保護署
Environmental Protection Department

Contract No. EP/SP/66/12
Integrated Waste Management Facilities, Phase 1
24th Quarterly EM&A Report

Keppel Seghers

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

Quarterly EM&A Report No.24
(Period from 1 April to 30 June 2024)

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

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Date:	30 July 2024	30 July 2024	30 July 2024

Revision History

A	First Submission	31 July 2024
Rev.	**DESCRIPTION OF MODIFICATION**	**DATE**

CONTENT

EXECUTIVE SUMMARY

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 24th Quarterly EM&A Report, prepared by ASCL, for the Project summarizing and concluding the monitoring results and audit findings of the EM&A programme at and around Shek Kwu Chau (SKC) during the reporting period from 1 April 2024 to 30 June 2024.

A4. The EM&A works for construction noise, water quality, construction waste, coral, marine mammal and White-Bellied Sea Eagle (WBSE) were conducted during the reporting period in accordance with the Updated EM&A Manual.

A5. Weekly site inspections of the construction works were carried out by ET to audit the mitigation measures implementation status. Monthly joint site inspections were carried out by ET and IEC.

A6. As confirmed with Contractor, no marine construction work will be carried out from April to June 2024 tentatively. An updated EM&A arrangement to extend the temporary suspension of water quality and line-transect monitoring from April to June 2024 was submitted to EPD on 27 February 2024. EPD advised no objection on the extension on 18 March 2024. Temporary suspension of water quality and line-transect monitoring were extended from 31 March 2024 onward. A two-week advance notice will be made by the Contractor prior to resumption of marine construction works. The water quality monitoring and line-transection monitoring will be resumed upon the resumption of marine construction works. ET will notify the resumption of marine construction works with updated EM&A schedule within one day after receiving the notification from contractor.

1. BASIC PROJECT INFORMATION

1.1. The Reporting Scope

1.1.1 This is the 24th Quarterly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 April 2024 to 30 June 2024.

1.2. Project Organization

1.2.2 The Project Organization structure for Construction Phase is presented in **Figure 1.1**.

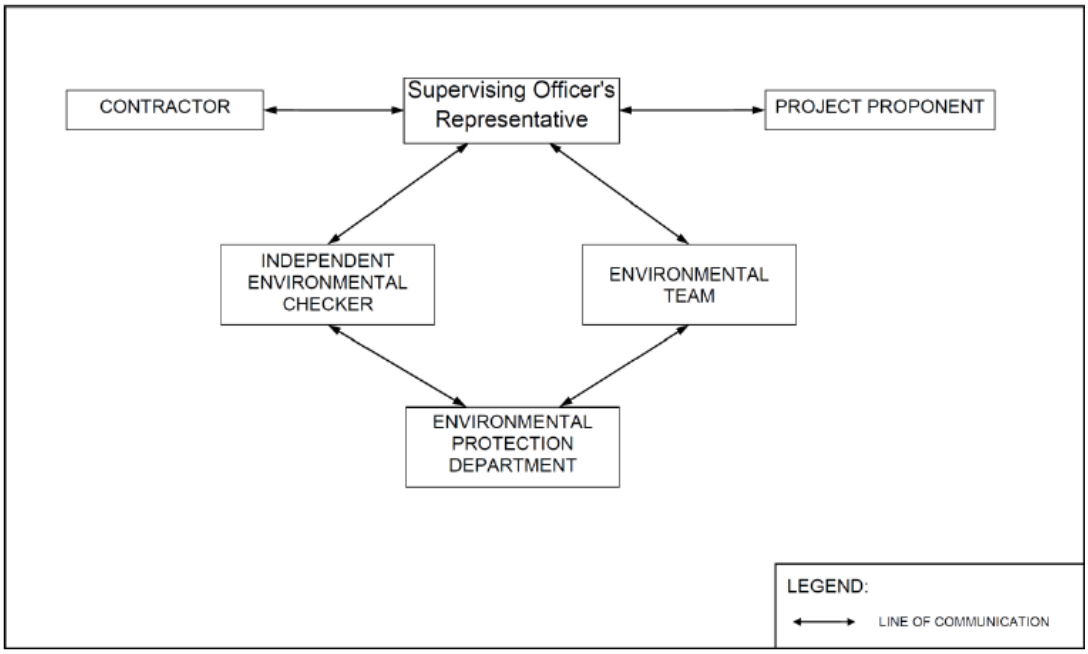


Figure 1.1 Project Organization Chart

1.2.3 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.
Environmental Protection Department	Project Proponent	Cheng Tak-Kuen	2594-6111
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

1.3. Summary of Construction Works

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

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

Location of works	Construction activities undertaken	Remarks on progress
Reclamation area	• Pile cap construction	• On-going
	• Structural steel work	• On-going
	• Superstructure construction	• On-going
Seawall portion	• Caisson extension works, from +3mPD to +6mPD, at Seawall A and B	• On-going
	• Construction of wave wall along the vertical seawall above +3mPD	• On-going

1.3.2 The status for all environmental aspects is presented in **Table 1.3**.

Table 1.3 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 will be carried out from April to June 2024 tentatively. An updated EM&A arrangement to extend the temporary suspension of water quality and line-transect monitoring from April to June 2024 was submitted to EPD on 27 February 2024. EPD advised no objection on the extension on 18 March 2024. Temporary suspension of water quality and line-transect monitoring were extended from 31 March 2024 onward. A two-week advance notice will be made by the Contractor prior to resumption of marine construction works. The water quality monitoring and line-transection monitoring will be resumed upon the resumption of marine construction works. ET will notify the resumption of marine construction works with updated EM&A schedule within one day after receiving the notification from contractor.
Regular DCM Monitoring	All DCM was completed on 14 October 2020, regular DCM monitoring for further 4 weeks (i.e from 16 October 2020 to 14 November 2020) was completed according to the approved Detailed Plan on Deep Cement Mixing
Initial Intensive DCM Monitoring	Conducted from 11 February 2019 to 10 March 2019, had not been resumed since there was no DCM related parameter exceeding the AL/LL.
Baseline Water Quality of wet season	Completed over 13 August 2018 to 7 September 2018
Noise	
Baseline Monitoring	The baseline noise monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4
Impact Monitoring	On-going
Waste Management	
Mitigation Measures in Waste Monitoring Plan	On-going
Coral	
Pre-translocation Survey and Coral Mapping	The Coral Translocation Plan was submitted and approved by EPD under EP Condition 2.12
Coral Translocation	Completed on 28 March 2018
Post-Translocation Coral Monitoring	Survey affected by missing of translocated and tagged coral colonies after typhoons in September 2018, completed on 28 March 2019.
Pre-construction Coral Survey and Tagging	Completed on 26 June 2018
Tagged Coral Monitoring	Survey obstructed due to missing of tagged coral colonies after typhoons in September 2018

Parameters	Status
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 Quarterly Monitoring	On-going
Marine Mammal	
Baseline Monitoring	The baseline marine mammal monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4
Impact Monitoring	Temporarily suspended since 30 March 2023, as no marine construction works as defined in the approved EIA report (AEIAR-163/2012) and the Updated EM&A Manual was conducted in this reporting period.
Land-based Theodolite Tracking	30 days of theodolite surveys were started on 21 Feb 2019 and completed in May 2019.
Passive Acoustic Monitoring	30 days of PAM surveys were started on 1 May 2019 and completed at the end of May 2019.
White-bellied Sea Eagle	
Baseline Monitoring	The baseline WBSE monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4
Impact Monitoring	On-going, since incubation activity was observed on 27 December 2023, the frequency of impact monitoring was changed to weekly monitoring. No incubation activity nor chick was observed during the monitoring event on 27 March 2024. Thus, the monitoring frequency will return to twice per month in April 2024.
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 Plan (MMWP)	Installation of caisson No.19 was completed on 18 March 2021, which the reclamation area had been totally enclosed by permanent structure. Floating type silt curtain at marine access was removed on 18 March 2021. No enclosed area shall be formed by deployment of silt curtain for the remaining works programme.
Mitigation Measures in Detailed Monitoring Programme on Finless Porpoise (DMPFP)	Installation of caisson No.19 was completed on 18 March 2021, which the reclamation area had been totally enclosed by permanent structure. Floating type silt curtain at marine access was removed on 18 March 2021. No enclosed area shall be formed by deployment of silt curtain for the remaining works programme.
Mitigation Measures in Vessel Travel Details	On-going
Daily Site Audit and Monitoring for Dredging Work	Completed

1.3.3 Other than the EM&A works 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.

1.3.4 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 updated implementation status of the environmental mitigation measures for the construction phase of the Project during the reporting period is provided in **Appendix B**.

2. MARINE WATER QUALITY MONITORING

2.1 Water Quality Parameters

2.1.1 Measurement of 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 DO, temperature, salinity, turbidity and pH were measured in-situ and the SS was assayed in a HOKLAS laboratory.

2.1.3 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.

2.1.4 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 water quality monitoring. The interval between two sets of monitoring has not been less than 36 hours.

2.1.5 **Table 2.1** summarizes the monitoring parameters, frequency and duration of the impact water quality monitoring.

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 • Current velocity (m/s) • Direction (in NESW)	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 is less than 6m, mid-depth may be omitted.

2.2 Water Quality Monitoring Locations

2.2.1 Impact water quality monitoring was conducted at eleven monitoring locations (i.e. B1-B4, H1, C1A, C2A, F1A, CR1, CR2 and M1) during general water quality monitoring as shown in **Figure 2.1**.

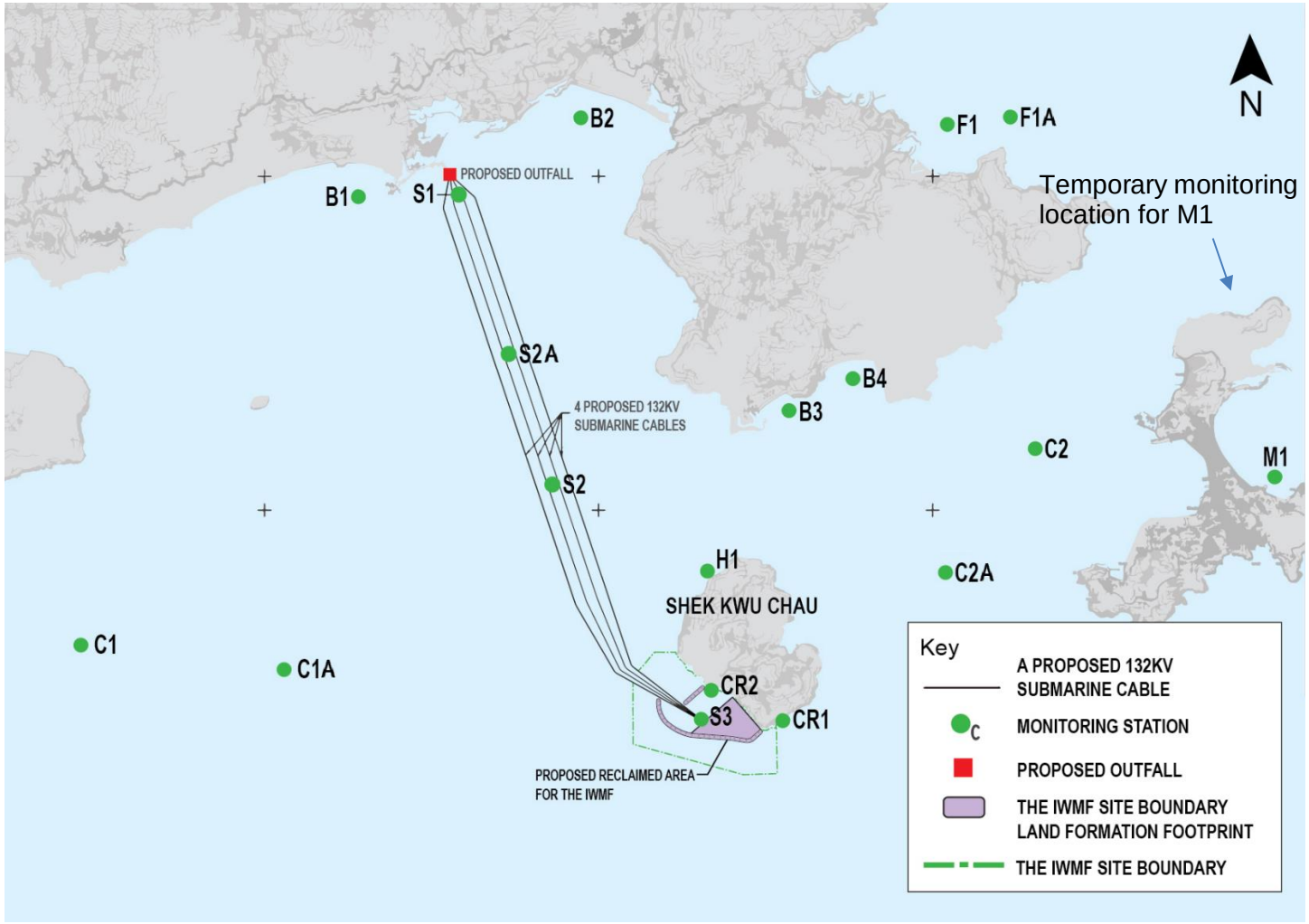


Figure 2.1 Water monitoring locations at Artificial Island near SKC

2.3 Action and Limit Levels

2.3.1 Based on the baseline monitoring data and the derivation criteria presented in the Baseline Monitoring Report, the Action/Limit Levels have been derived and are presented in **Table 2.2** and **Table 2.3** for both dry seasons (October – March) and wet seasons (April – September).

Table 2.2 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	≥ 12.81 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 2.3 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.

2.4 Monitoring Results and Observations

2.4.1 As confirmed by the Contractor on 14 October 2020, all DCM works was completed on 14 October 2020, the post DCM water quality monitoring was completed for further 4 weeks (i.e. from 16 October 2020 to 14 November 2020) according to the approved Detailed Plan on Deep Cement Mixing. As all DCM work and post DCM water quality monitoring were completed, no water quality monitoring was conducted at S1, S2A and S3 from 14 November 2020 onward. As no marine construction work will be carried out from April to June 2024 and EPD had no comment on temporary suspension of water quality monitoring on 18 March 2024, the water quality was then temporarily suspended from 31 March 2024 onward.

3. NOISE MONITORING

3.1 Noise Monitoring Parameters

3.1.1 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 and 0700 hours on all days as well as public holidays and Sundays.

3.1.2 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.

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}

3.2 Noise Monitoring Locations

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

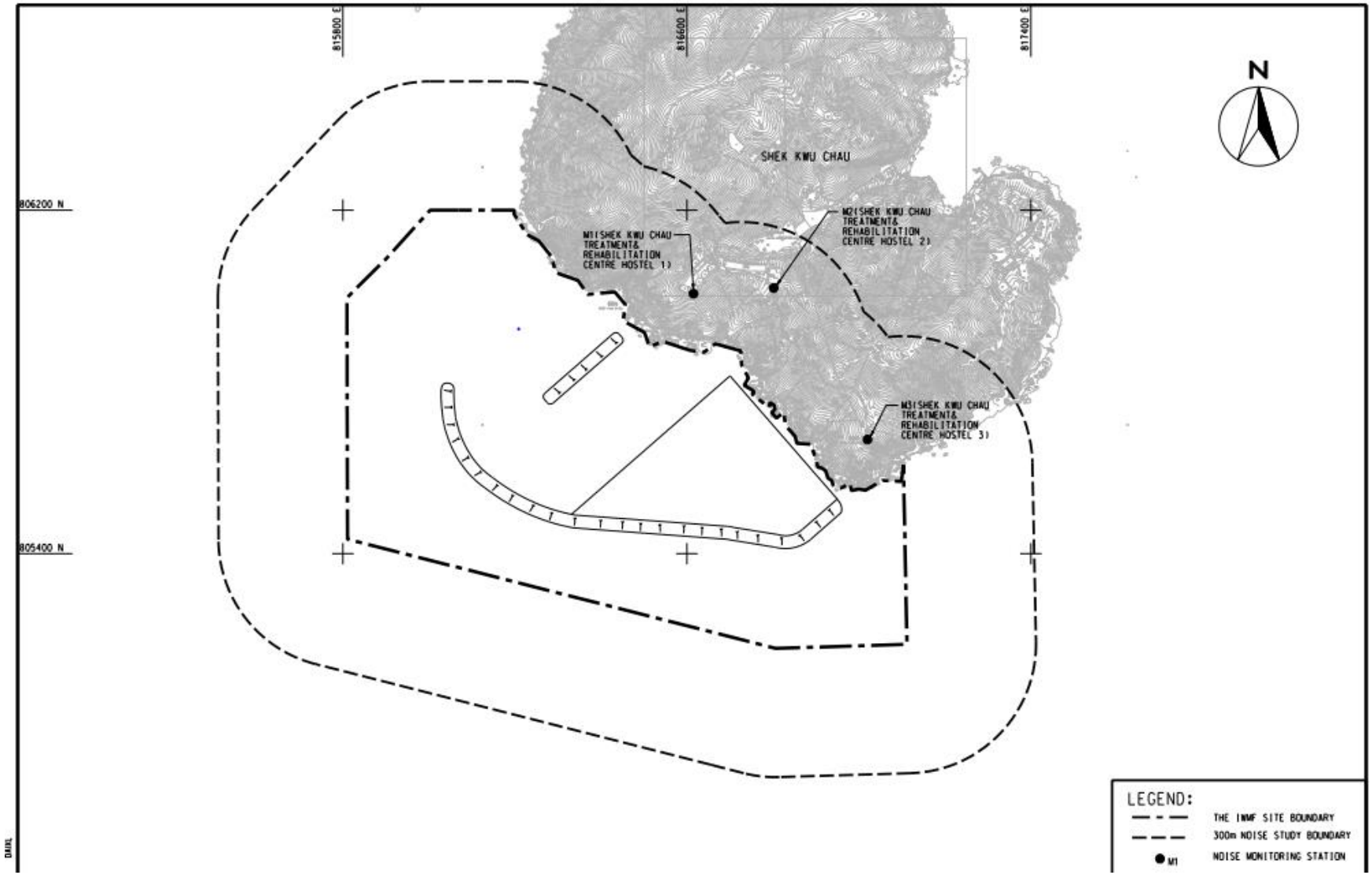


Figure 3.1 Noise monitoring locations at SKC

3.2.2 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.

3.2.3 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.

3.2.4 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

3.3 Action and Limit Levels

3.3.1 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 3.3.**

Table 3.3 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.

3.4 Monitoring Results and Observations

3.4.1 Impact monitoring for noise impact for daytime was conducted in the reporting period. The impact noise levels at Noise Monitoring Stations at SKC (i.e. M1/ N_S1 to M3/ N_S3) are summarized in **Table 3.5**. Additional impact monitoring during restricted hours was conducted in the reporting period. The additional impact noise levels at Noise Monitoring Stations at SKC (i.e. M1/ N_S1 to M3/ N_S3) are summarized in **Table 3.6** and **Table 3.7** respectively. Trending of the noise monitoring results is presented graphically in **Appendix C**.

3.4.2 Major construction activity, major noise source and extreme weather which might affect the results were recorded during the impact monitoring.

3.4.3 According to our field observations, the major noise source identified at the noise monitoring station in the reporting quarter are summarised in **Table 3.4**. Sound from the intermittent piling work was the noticeable noise source for monitoring stations M1, M2 and M3. Air conditioning units were also observed at station M3 during the impact monitoring.

Table 3.4 Summary of Field Observation

Monitoring Station	Major Noise Source
M1	NA
M2	Cicada Chirping
M3	Operation of nearby Air Quality Monitoring Station Construction works of Signal Tower

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

Table 3.5 Summary of Impact Noise Monitoring Results during Daytime (0700 – 1900 hrs)

Location	Noise in dB(A)								
	Range of $L_{eq\ 30min}$			Range of $L_{10\ 30min}$			Range of $L_{90\ 30min}$		
	Apr	May	Jun	Apr	May	Jun	Apr	May	Jun
M1	57.9 – 58.8	56.3 – 65.6	60.8 – 67.1	59.4 – 60.9	58.6 – 67.4	61.9 – 70.9	56.1 – 56.9	53.1 – 56.7	55.1 – 60.2
M2	53.9 – 58.6	52.8 – 65.6	57.3 – 63.9	55.6 – 60.0	54.2 – 69.7	59.2 – 64.5	51.9 – 55.3	51.1 – 59.1	54.3 – 54.6
M3	59.6 – 60.2	55.4 – 66.5	52.3 – 69.4	61.0 – 61.7	57.8 – 66.7	54.4 – 69.9	57.3 – 58.2	47.0 – 62.0	50.9 – 62.7

3.4.5 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).

3.4.6 During the noise monitoring event, frontline staff of ET have 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.

3.4.7 Data from impact monitoring during evening time and night time were compared with the NCO criteria. 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 were 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 3.6 Summary of the Additional Impact Noise Monitoring Results during Evening Time (1900-2300 hrs)

Location	Noise in dB(A)								
	Range of $L_{eq\ 5min}$			Range of $L_{10\ 5min}$			Range of $L_{90\ 5min}$		
	Apr	May	Jun	Apr	May	Jun	Apr	May	Jun
M1	48.1 – 56.3	47.1 – 55.4	51.0 – 58.3	49.0 – 57.4	49.4 – 56.1	52.5 – 59.2	47.0 – 55.1	45.9 – 54.8	49.6 – 56.7
M2	49.6 – 55.1	52.7 – 61.5	51.7 – 53.8	50.0 – 55.8	53.7 – 63.5	52.1 – 54.9	49.2 – 54.4	51.6 – 59.1	51.2 – 52.2
M3	48.3 – 56.0	50.1 – 58.2	51.3 – 65.2	49.3 – 58.3	51.6 – 59.4	51.5 – 67.8	46.5 – 55.1	48.1 – 57.1	50.9 – 62.3

Table 3.7 Summary of Additional Impact Noise Monitoring Results during Night Time (2300 – 0700 hrs)

Location	Noise in dB(A)								
	Range of $L_{eq\ 5min}$			Range of $L_{10\ 5min}$			Range of $L_{90\ 5min}$		
	Apr	May	Jun	Apr	May	Jun	Apr	May	Jun
M1	46.0 – 57.7	43.6 – 54.3	47.9 – 62.0	46.6 – 59.0	44.4 – 56.0	49.1 – 65.1	44.9 – 56.3	42.7 – 51.5	46.4 – 56.4
M2	48.1 – 55.2	50.0 – 59.6	49.2 – 59.0	48.5 – 56.9	50.7 – 60.8	49.5 – 61.6	47.9 – 54.3	49.4 – 58.4	48.9 – 53.7
M3	45.5 – 55.9	46.5 – 58.3	51.9 – 65.5	47.8 – 51.2	47.4 – 58.9	53.1 – 66.6	43.5 – 48.6	45.1 – 57.3	50.9 – 64.4

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, 5,045.3 m^3 inert C&D materials were generated on site in the reporting period. No metal was generated and collected by registered recycling collector. 653 kg of paper was collected by the registered recycling collector. No plastic waste was collected by registered recycling collector. No chemical waste was collected by the licensed chemical waste collector. 1,826.5 m^3 of other types of wastes (e.g. general refuse) was disposed of at designated landfill. 512 m^3 of fill rock was imported during the reporting quarter.

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 period are summarised in **Table 4.1**. Details of cumulative waste management data are presented as a waste flow table in **Appendix D**.

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

Reporting Period	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)
Apr 2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5915
May 2024	0	0	0	0	0	0	0	0	0	0.6530	0	0	0	0.7410
Jun 2024	5.0453	0	0	0	5.0453	0	0	0.5120	0	0	0	0	0	0.4940

Notes:

1. Broken concrete for recycling into aggregates.
2. Plastic refers to plastic bottles / containers, plastic sheets / foam from packaging materials.
3. Use the conversion factor: 1 full load of dumping truck being equivalent to 6.5 m^3 by volume.
4. Use the conversion factor: rock density = 2 T/m^3.

5. CORAL

5.1 Coral Monitoring Parameters

5.1.1 Ten (10) tagged coral colonies at each site of suggested control site and indirect impact site are being monitored weekly for the first month and followed by monthly monitoring for three months. The selected Control Site is located at Yuen Kong Chau of Soko Islands about 7 km away from the project area. After the hitting of super typhoon Mangkhut in mid-September 2018, the coral re-tagging activities at indirect impact site and control site were conducted in November and December 2018 respectively. Tagged coral colonies at the proposed recipient site are being monitored quarterly for one year and the last post-translocation coral monitoring was completed on 28 Mar 2019. The selected recipient site R3 is located the opposite side of the Project area at about 2 km away.

5.1.2 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 trans-located coral colony. The general environmental conditions including weather, sea, and tidal conditions of survey sites were monitored.

5.1.3 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.

5.2 Coral Monitoring Locations

Location of the ten tagged coral colonies at each of the proposed indirect impact site, control site, the recipient site R3 and REA transect at proposed indirect impact site are shown in **Figure 5.1**, **Figure 5.2** and **Figure 5.3** respectively:

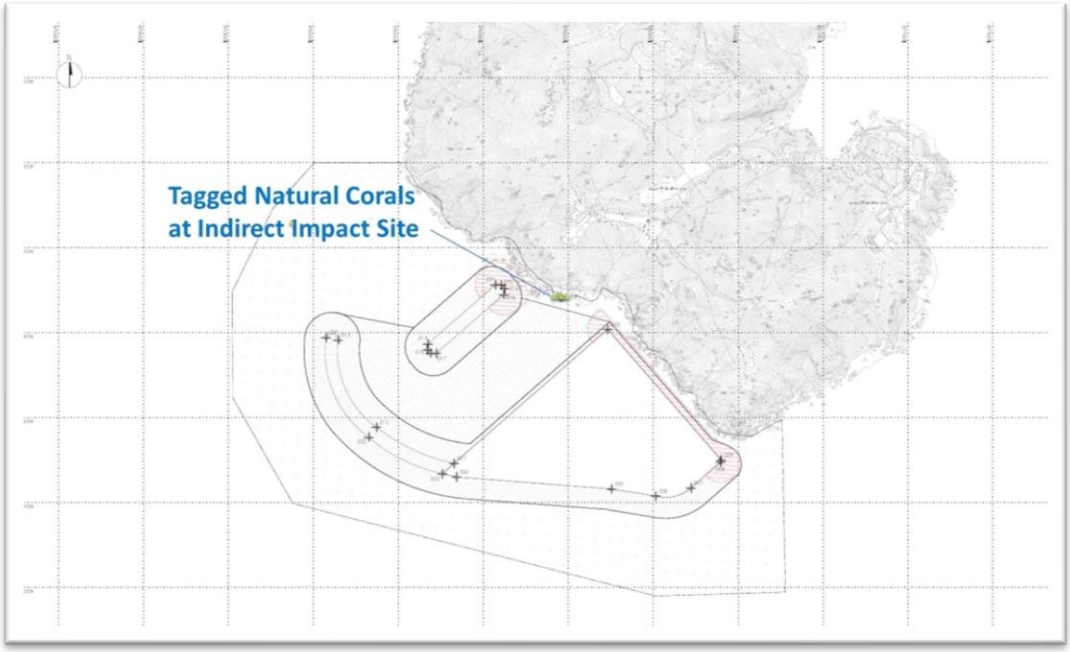


Figure 5.1 Tagged Natural Corals at Indirect Impact Site Near SKC for re-tagging after typhoon Mangkhut

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

5.2.1 The GPS coordinates of the tagged coral colonies and retagged coral colonies at both indirect impact site, control site and recipient site R3 were shown in **Table 5.1**, **Table 5.2** and **Table 5.3** respectively.

Table 5.1 Tagged Natural Corals during Baseline and Re-tagged Natural Corals after Typhoon Manghkut at Control Site near Yuen Long Chau

Coral # [note i]	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 5.2 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 5.3 GPS Coordinates of Recipient Site R3

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

5.3 Action and Limit Levels

5.3.1 Monitoring result was reviewed and compared against the below Action Level and Limit Level (AL/LL) as set with the below **Table 5.4** and **Table 5.5**.

Table 5.4 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 5.5 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.

5.4 Monitoring Results and Observations

5.4.1 Ten (10) hard coral colonies were monitored at each site of Control and Indirect Impact sites as suggested in the Construction Phase Monitoring Plan. The general health conditions (size, mortality, bleaching and sediment) were recorded and summarized in **Table 5.7** and **Table 5.8**. Photos of each tagged coral colonies were taken during the monitoring activities and shown in **Appendix E.**

5.4.2 The 22nd quarterly coral monitoring during construction phase at both Indirect Impact Site and Control Site was conducted on 28 June 2024 and the weather condition was summarized in **Table 5.6**.

Table 5.6 Weather Condition for the 22nd Quarterly Coral Monitoring during Construction Phase at both Indirect Impact Site and Control Site

Date	Condition	Average Underwater Visibility
28 June 2024	- Southwest wind force 3 to 4 - Sunny	Less than 20 cm

Table 5.7 Sizes, Condition, Mortality, Bleaching and Sediment of 10 Natural Coral Colonies at Control Site of 22nd Quarterly Coral Monitoring (28 June 2024) during 70th to 72nd Monthly Construction Phase Monitoring

Coral #	Species	Size (cm) – Max. Diameter	Condition	Mortality (%)		Bleaching (%)		Sediment (%)	
				Baseline (26 Jun 2018 & 3 Dec 2018)	28 Jun 2024	Baseline (26 Jun 2018 & 3 Dec 2018)	28 Jun 2024	Baseline (26 Jun 2018 & 3 Dec 2018)	28 Jun 2024
1	*Goniopora stutchburyi*	25	Good	0	0	0	0	0	0
2R	*Goniopora stutchburyi*	10	Good	0	0	0	0	0	0
3	*Psammocora superficialis*	18	Good	0	0	0	0	0	0
4	*Turbinaria peltata*	13	Good	0	0	0	0	0	0
5R	*Goniopora stutchburyi*	18	Good	0	0	0	0	0	0
6	*Cyphastrea serailia*	43	Good	0	0	0	0	0	0
7R	*Coscinaraea* sp.	15	Good	0	0	0	0	0	0
8	*Goniopora stutchburyi*	21	Good	0	0	0	0	0	0
9	*Goniopora stutchburyi*	11	Good	0	0	0	0	0	0
10R	*Goniopora stutchburyi*	20	Good	0	0	0	0	0	0

Notes:

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

Table 5.8 Sizes, Condition, Mortality, Bleaching and Sediment of 10 Natural Coral Colonies at Indirect Impact Site of 22nd Quarterly Coral Monitoring (28 June 2024) during 70th to 72nd Monthly Construction Phase Monitoring

Coral #	Species	Size (cm) – Max. Diameter	Condition	Mortality (%)		Bleaching (%)		Sediment (%)	
				Baseline (23 Nov 2018)	28 Jun 2024	Baseline (23 Nov 2018)	28 Jun 2024	Baseline (23 Nov 2018)	28 Jun 2024
11R	*Cyphastrea serailia*	48	Good	0	0	0	0	0	0
12R	*Favites chinensis*	27	Good	0	0	0	0	0	0
13R	*Turbinaria peltata*	21	Good	0	0	0	0	0	0
14R	*Favites chinensis*	8	Good	0	0	0	0	0	0
15R	*Goniopora stutchburyi*	11	Good	0	0	0	0	0	0
16R	*Psammocora superficialis*	27	Good	0	0	0	0	0	0
17R	*Favites chinensis*	15	Good	0	0	0	0	0	0
18R	*Psammocora superficialis*	39	Good	0	0	0	0	0	0
19R	*Psammocora superficialis*	42	Good	0	0	0	0	0	0
20R	*Psammocora superficialis*	29	Good	0	0	0	0	0	0

Notes:

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

5.4.3 The re-tagging activity had been done at both Indirect Impact Site and Control Site in November 2018 and December 2018 respectively. A total of 20 tagged coral colonies (10 at control site and 10 at indirect impact site including the re-tagged coral colonies) were monitored. Similar to the baseline results performed in June, November and December 2018 and the results of the previous quarterly coral monitoring during construction phase, the health condition of all tagged and re-tagged coral colonies at Indirect Impact Site and Control site were good in general. No increased mortality was recorded during the survey in June 2024.

5.4.4 No sediment, bleaching or increased mortality in the general condition of coral colonies were observed during the 22nd quarterly coral monitoring period. No deterioration of the coral community was observed in the ecological monitoring results when compared with the baseline ecological monitoring results. There is no AL/LL exceedance during the monitoring period.

6. MARINE MAMMAL

6.1 Survey Methods

6.1.1 Vessel-based Line-transect Survey

6.1.1.1 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.

6.1.1.2 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:

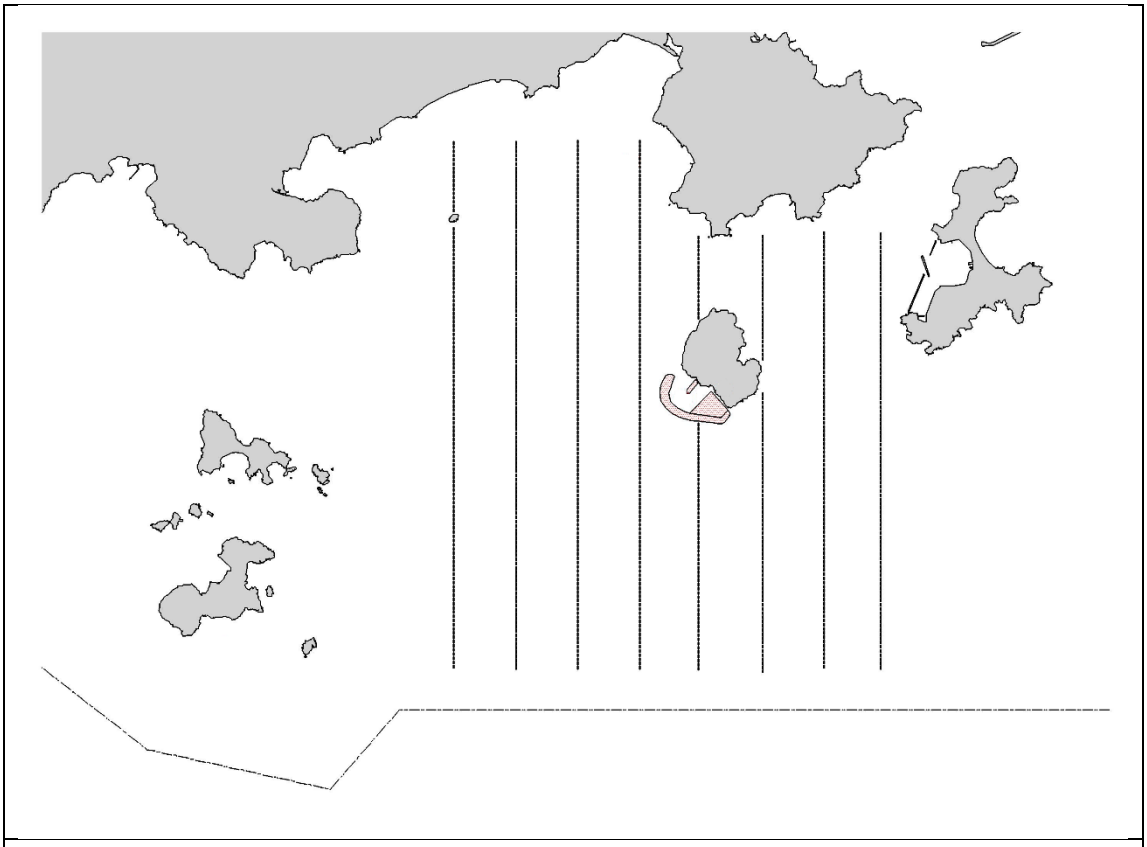


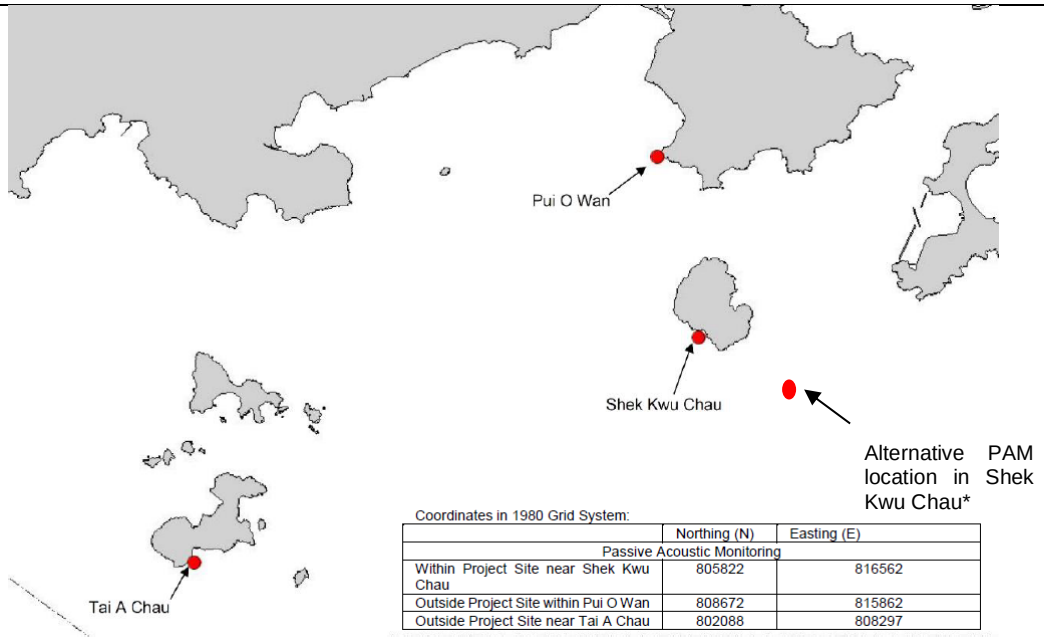
Figure 6.1 Line Transects for Marine Mammal Surveys

6.1.1.3 In comparison to the baseline monitoring results, results from the analyzed construction phase monitoring data would allow the detection of any changes of their usage of habitat, in response to the scheduled construction works.

6.1.2 Passive Acoustic Monitoring (PAM)

6.1.2.1 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

6.1.2.2 These three detectors will be deployed on-site to carry out 24-hours monitoring for a period listed as **Table 6.1** below during the construction phase.

Table 6.1 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

6.1.2.3 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.

6.1.2.4 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.

6.1.3 Land-based Theodolite Tracking

6.1.3.1 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.

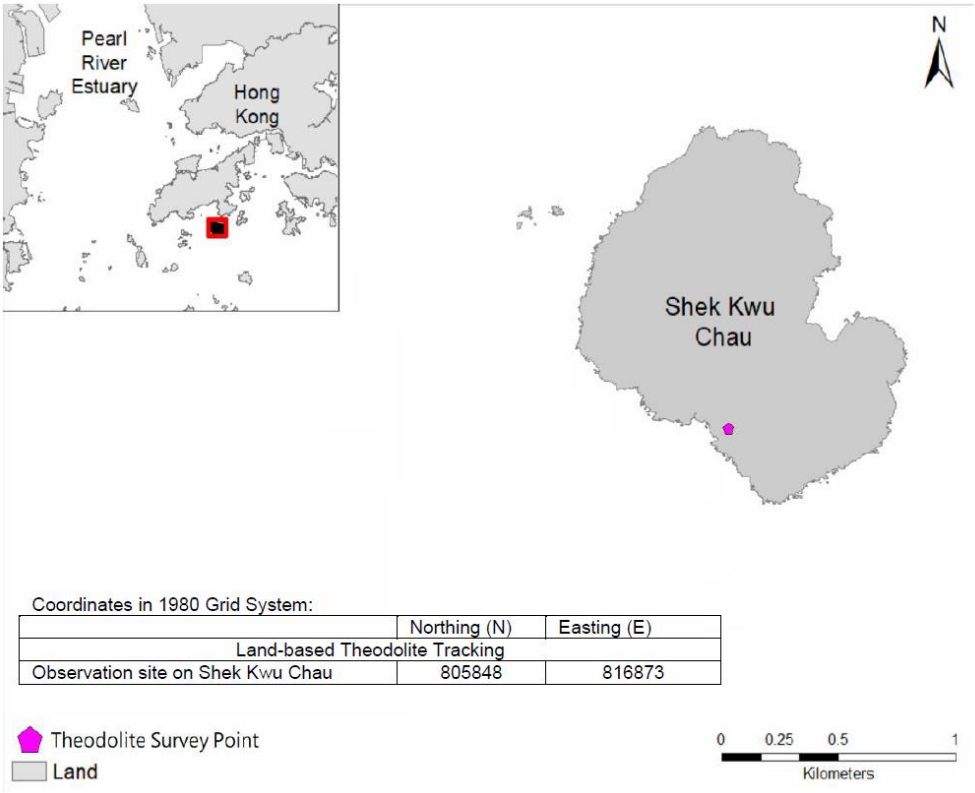


Figure 6.3 Locations of Land-based Theodolite Tracking

6.1.3.2 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 6.2** below, preferably at the initial stage of the construction period (i.e. December 2018 to May 2019).

Table 6.2 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

6.1.3.3 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 will be 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.

6.2 Specific Mitigation Measures

6.2.1 Monitored exclusion zones

6.2.1.1 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 and monitored by competent Marine Mammal Observers (MMOs). Marine Mammal Exclusion Zone (MMEZ) would also be implemented for precautionary purpose for DCM works.

6.2.2 Marine mammal watching plan

6.2.2.1 Upon the completion of silt curtain installation/re-installation/relocation, marine mammal watching plan would be implemented to observe the presence of any marine mammal around the localized silt curtain or being trapped by the localized silt curtain.

6.3 Results and Observations

6.3.1 Vessel-based Line-transect Survey

6.3.1.1 As confirmed with Contractor and Project Supervising Officer, no marine construction work will be carried out from April and June tentatively. An updated EM&A arrangement to propose the temporary suspension of line transect monitoring from April to June 2024 was submitted to EPD on 27 February 2024 and EPD had no comment on the updated EM&A arrangement on 18 March 2024. The line transect monitoring was then temporarily suspended from 31 March 2024 onward.

6.3.2 PAM and Land-based Theodolite Tracking

6.3.2.1 30 days of PAM surveys were started at 1 May 2019 and completed until 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 has 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 shows 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).

6.3.2.2 For the baseline study, the 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 to 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 to 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 to 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 (**Table 6.3**).

6.3.2.3 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 yields large quantities of data, would allow a more comprehensive assessment of the EIA predictions.

Table 6.3 Summary Statistic Comparison of Baseline (2018) and Impact Phase (2019) Passive Acoustic Monitoring

Baseline data									
Site	**Unit ID**	**Start**	**End**	**Days**	**DPD % Days**	**Total DPM**	**DPM /Day**	**% False Positive DPM**	**Time Lost %**
Shek Kwu Chau	2891	2018/02/09	2018/03/13	32.11	100	11160	338.2	0.0	1.00
Tai A Chau	2868	2018/02/09	2018/03/13	32.5	100	16089	487.6	1.0	2.00
Pui O Wan	2891	2018/03/13	2018/04/17	34.85	97.3	3645	98.5	2.0	31.87
Total				99.01		30894	312.0		
Impact Phase									
Site	**Unit ID**	**Start**	**End**	**Days**	**DPD % Days**	**Total DPM**	**DPM /Day**	**% False Positive DPM**	**Time Lost %**
Shek Kwu Chau	IWMF_BU_20190305_01	2019/03/05	2019/04/11	37.91	100	4740	124.8	0.0	0
Tai A Chau	IWMF_20190411_02	2019/04/11	2019/05/23	41.94	100	7725	179.7	0.0	0
Pui O Wan	IWMF_20190411_01	2019/04/11	2019/05/23	42.02	100	23986	557.8	0.0	0
Total				121.9		36451	299.1		

6.3.2.4 Theodolite surveys were completed in May 2019. In total, 34 days of theodolite tracking were completed between February - 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.

6.3.2.5 A total of 2620 vessels of ten different types were observed and tracked within or in the proximity of the IWMF construction site. These comprised fishing boats (236), speed boats (29), container boats (155), government boats (22), high speed ferries (53), others (13) and IWMF-Related construction platforms (974), tug boats(240), transportation boats (363), construction boats (531) and approximately 8 buoys were present marking the site boundary. The detailed Land-based Theodolite Tracking Report was presented in 5th Quarterly EM&A report and 17th Monthly EM&A report.

6.3.2.6 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.

7. WHITE-BELLIED SEA EAGLE

7.1 WBSE Monitoring Parameters

7.1.1 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.

7.1.2 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 could not be carried out. Daily monitoring will be carried out once any chick is recorded during the monitoring day.

7.2 Results and Observations

7.2.1 Two adult WBSEs were recorded near Shek Kwu Chau area in April, May and June 2024. No abnormal behaviours of the adults were recorded during April, May and June 2024 construction phase monitoring. All construction works during the monitoring period did not show any impact to the WBSE.

7.2.2 Since there is no landing point along the western part of SKC, boat survey was used for the monitoring survey. In order to increase the chance of finding the WBSEs, monitoring survey was carried out either early in the morning or later in the afternoon. The weather conditions of monitoring survey were shown in **Table 7.1**.

Table 7.1 Weather Conditions during the WBSE Monitoring (Monthly)

Date	Condition	Temperature (°C)
11 April 2024	- East wind force 4 to 5 - Sunny Day	23
25 April 2024	- East force 4 - Raining and Thunderstorm	26
16 May 2024	- South wind force 4 to 5 - Sunny	29
29 May 2024	- East force 3 to 4 - Mainly cloudy with a few showers	27
28 June 2024	- Southwest wind force 3 to 4 - Sunny	29

7.2.3 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.

7.2.4 No disturbances from anthropogenic activities on the island were recorded during the monitoring survey. No invasion of other fauna species was recorded as well.

Figure 7.1 Location of WBSE Nest on SKC

7.2.5 No invasion of other fauna species was recorded and no sign of using the construction site as a foraging ground was recorded as well.

7.2.6 Photo records of the WBSE taken during the reporting period are presented in **Appendix F**.

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

8.1 No exceedance of the Action and Limit Levels of the regular construction noise, coral and WBSE monitoring was recorded during the reporting period.

8.2 No environmental complaint was received in the reporting period.

8.3 No notification of summon or prosecution was received since commencement of the Contract.

8.4 Statistics on complaints, notifications of summons and successful prosecutions are summarized in **Appendix G**.

9. EM&A SITE INSPECTION

9.1 Site inspections were carried out on weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. Site inspections were carried out at the Site Portions 1, 1A, 1B during the reporting period. Portions 1, 1A & 1B were the sites near SKC within the Site boundary.

9.2 Joint site inspection with IEC was carried out on monthly basis.

9.3 Minor deficiencies were observed during weekly site inspection. Key observations during the site inspections are summarized below:

- Prevention actions for oil/chemical spillage were not carried out properly;
- Chemical was not stored properly at designated storage place;
- Non-road Mobile Machinery (NRMM) label was not displayed properly;
- Chemical label was not displayed properly;
- Wastewater was not treated before discharge;
- Prevention actions for site runoff were not carried out properly;
- C&D waste and general waste was not stored separately;
- Insufficient maintenance and cleaning for internal drainage works;
- Insufficient dust suppression measure to main haul road; and
- General waste was not stored inside the enclosed rubbish bin and housekeeping was not maintained.

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, except the silt curtain system, 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. CONCLUSION AND RECOMMENDATIONS

10.1 This 24th Quarterly Environmental Monitoring and Audit (EM&A) Report summarizes the EM&A works undertaken during the period from 1 April 2024 to 30 June 2024 in accordance with the Updated EM&A Manual and the requirement under EP- 429/2012/A and FEP-01/429/2012/A.

10.2 Construction noise, water quality, construction waste, coral, marine mammal and White-Bellied Sea Eagle (WBSE) monitoring were carried out in the reporting period. No project-related exceedance of the Action and Limit Levels was recorded during the reporting period.

10.3 Weekly environmental site inspections were conducted during the reporting period. Environmental deficiencies were observed during site inspection and were rectified.

10.4 According to the environmental site inspections performed in the reporting period, the Contractor was reminded to pay attention on on-site housekeeping, the proper storage of the chemicals, chemical waste and construction waste, dust control measure for main haul road, proper NRMM labelling and proper wastewater handling.

10.5 As confirmed with Contractor, no marine construction work will be carried out from April 2024 to June 2024 tentatively. Temporary suspension of water quality and line-transect monitoring were continued from 31 March 2024 onwards. The water quality monitoring and line-transection monitoring will be resumed upon the resumption of marine construction works.

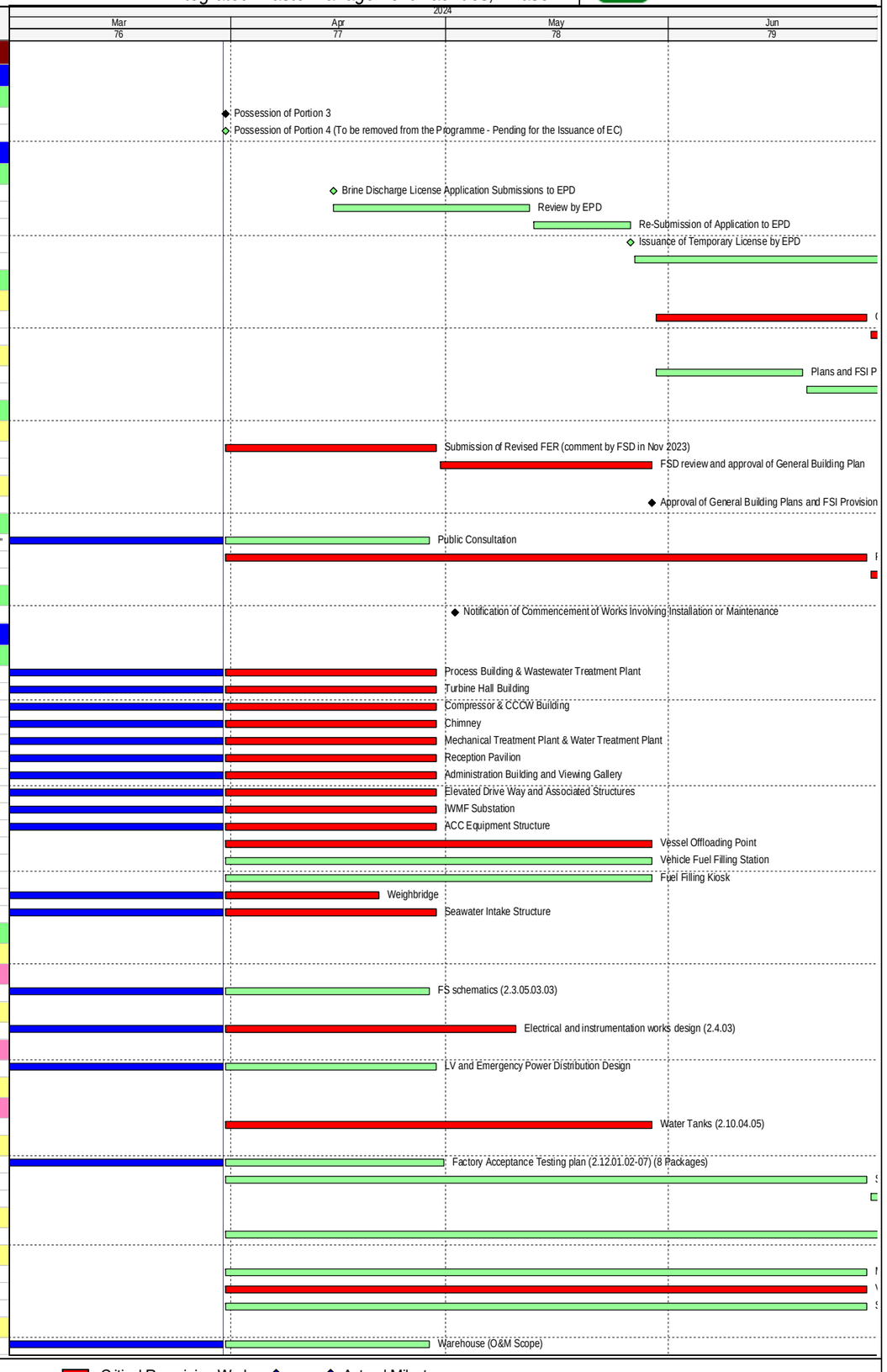
10.6 No environmental complaint was received in the reporting period.

10.7 No notification of summon or prosecution was received since commencement of the Contract.

10.8 The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

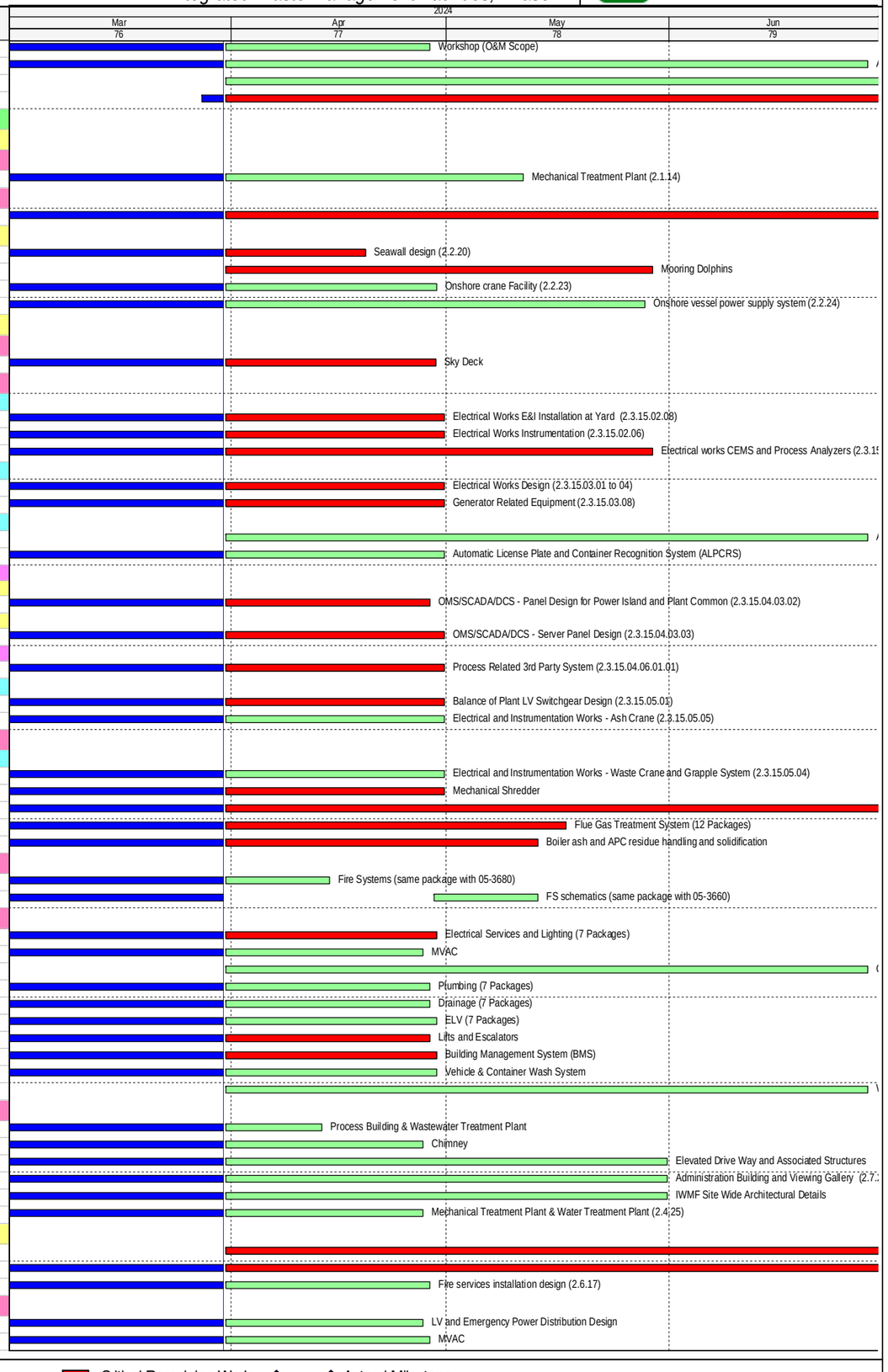
Appendix A Master Programme

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
Programme for Design and Construction Works WP7-M76 - 3-Month		2317	321		05-Sep-18 A	14-Feb-25	08-Oct-23	29-Jul-26	530	
Key Dates		0	0		31-Mar-24	31-Mar-24	30-Jan-24	29-Jul-26	851	
Dates of Site Possession		0	0		31-Mar-24	31-Mar-24	30-Jan-24	29-Jul-26	851	
01-1160	Possession of Portion 3	0	0	0%		31-Mar-24		30-Jan-24	-60	
01-1170	Possession of Portion 4 (To be removed from the Programme - Pending for the Issuance of EC)	0	0	0%		31-Mar-24		29-Jul-26	851	
License/Permit Applications		271	180		04-Jan-24 A	26-Sep-24	18-Dec-23	11-Nov-24	46	
License Application for Brine Discharge		82	82		15-Apr-24	05-Jul-24	16-May-24	05-Aug-24	31	
03-3950(7)	Brine Discharge License Application Submissions to EPD	0	0	0%	15-Apr-24*		16-May-24		31	
03-3960(7)	Review by EPD	28	28	0%	15-Apr-24	12-May-24	16-May-24	12-Jun-24	31	
03-3970(7)	Re-Submission of Application to EPD	14	14	0%	13-May-24	26-May-24	13-Jun-24	26-Jun-24	31	
03-3980(7)	Issuance of Temporary License by EPD	0	0	0%		26-May-24		26-Jun-24	31	
03-3990(7)	Public Consultation	40	40	0%	27-May-24	05-Jul-24	27-Jun-24	05-Aug-24	31	
DG Licence		120	120		30-May-24	26-Sep-24	25-Feb-24	11-Nov-24	46	
Day Tank & Fuel Oil Storage (Cat 5)		120	120		30-May-24	26-Sep-24	25-Feb-24	23-Jun-24	-95	
03-1400	General Building Plans and FSI Provision Design Submission to FSD (Cat 5)	30	30	0%	30-May-24	28-Jun-24	25-Feb-24	25-Mar-24	-95	
03-1410	DGD and VD Review and Approval of Submission	90	90	0%	29-Jun-24	26-Sep-24	26-Mar-24	23-Jun-24	-95	
Chemical Stores (all Cat)		111	111		30-May-24	17-Sep-24	24-Jul-24	11-Nov-24	55	
03-1480	Plans and FSI Provision Design Submission to FSD	21	21	0%	30-May-24	19-Jun-24	24-Jul-24	13-Aug-24	55	
03-1490	DGD and VD Review and Approval of Submission	90	90	0%	20-Jun-24	17-Sep-24	14-Aug-24	11-Nov-24	55	
Fire Services Installations (FSI) Certificate		60	60		31-Mar-24	29-May-24	27-Dec-23	24-Feb-24	-95	
Fire Engineering Report		60	60		31-Mar-24	29-May-24	27-Dec-23	24-Feb-24	-95	
05-4460(7)	Submission of Revised FER (comment by FSD in Nov 2023)	30	30	0%	31-Mar-24	29-Apr-24	27-Dec-23	25-Jan-24	-95	
05-4470	FSD review and approval of General Building Plan	30	30	0%	30-Apr-24	29-May-24	26-Jan-24	24-Feb-24	-95	
Fire Services Installations Certificate Inspection		0	0		29-May-24	29-May-24	24-Feb-24	24-Feb-24	-95	
03-1555-1(5a)	Approval of General Building Plans and FSI Provision Design Submission	0	0	0%		29-May-24		24-Feb-24	-95	
Air Pollution Control (Specified Processes) License		271	180		04-Jan-24 A	26-Sep-24	02-Mar-24	28-Aug-24	-29	
03-1760(3)	Public Consultation	60	29	51.67%	04-Jan-24 A	28-Apr-24	02-Apr-24	30-Apr-24	2	Remove Constraints "As Late As Possible"
03-1780(3)	Preparation and Submission for Trial Plan	90	90	0%	31-Mar-24	28-Jun-24	02-Mar-24	30-May-24	-29	
03-1790(3)	Review and approval of Trial Plan by EPD Licensing Department	90	90	0%	29-Jun-24	26-Sep-24	31-May-24	28-Aug-24	-29	
Lifts or Escalators		0	0		02-May-24	02-May-24	18-Dec-23	18-Dec-23	-136	
03-1060	Notification of Commencement of Works Involving Installation or Maintenance	0	0	0%	02-May-24		18-Dec-23		-136	
Design Submissions		2253	302		05-Sep-18 A	26-Jan-25	28-Oct-23	29-Nov-25	307	
General Building Plan		1034	60		03-Mar-21 A	29-May-24	02-Jan-24	04-Jul-24	36	
04-1600(M42)	Process Building & Wastewater Treatment Plant	135	30	77.78%	03-Jun-21 A	29-Apr-24	26-Jan-24	24-Feb-24	-65	
04-1610(M42)	Turbine Hall Building	135	30	77.78%	03-Mar-21 A	29-Apr-24	26-Jan-24	24-Feb-24	-65	
04-1620(M42)	Compressor & CCCW Building	135	30	77.78%	03-Mar-21 A	29-Apr-24	26-Jan-24	24-Feb-24	-65	
04-1630(M42)	Chimney	135	30	77.78%	03-Mar-21 A	29-Apr-24	26-Jan-24	24-Feb-24	-65	
04-1640(M42)	Mechanical Treatment Plant & Water Treatment Plant	135	30	77.78%	03-Jun-21 A	29-Apr-24	26-Jan-24	24-Feb-24	-65	
04-1650(M42)	Reception Pavilion	135	30	77.78%	03-Jun-21 A	29-Apr-24	26-Jan-24	24-Feb-24	-65	
04-1660(M42)	Administration Building and Viewing Gallery	135	30	77.78%	03-Jun-21 A	29-Apr-24	26-Jan-24	24-Feb-24	-65	
04-1670(M42)	Elevated Drive Way and Associated Structures	135	30	77.78%	03-Mar-21 A	29-Apr-24	26-Jan-24	24-Feb-24	-65	
04-1680(M42)	IWMF Substation	135	30	77.78%	03-Mar-21 A	29-Apr-24	26-Jan-24	24-Feb-24	-65	
04-1690(M46)	ACC Equipment Structure	135	30	77.78%	03-Mar-21 A	29-Apr-24	26-Jan-24	24-Feb-24	-65	
04-1700	Vessel Offloading Point	60	60	0%	31-Mar-24	29-May-24	21-Feb-24	20-Apr-24	-39	
04-1710	Vehicle Fuel Filling Station	60	60	0%	31-Mar-24	29-May-24	06-May-24	04-Jul-24	36	
04-1720	Fuel Filling Kiosk	60	60	0%	31-Mar-24	29-May-24	06-May-24	04-Jul-24	36	
04-1730	Weighbridge	135	22	83.7%	22-Apr-22 A	21-Apr-24	25-Mar-24	16-Apr-24	-5	
04-1740	Seawater Intake Structure	60	30	50%	23-Feb-23 A	29-Apr-24	02-Jan-24	01-Feb-24	-89	
AIP Design Package Submissions		1956	220		23-Apr-19 A	05-Nov-24	26-Dec-23	29-Nov-25	389	
AIP Fire services installation design (2.3.05)		90	29		30-Sep-19 A	28-Apr-24	04-Sep-24	02-Oct-24	157	
Turbine Hall Building (2.3.05.03)		90	29		30-Sep-19 A	28-Apr-24	04-Sep-24	02-Oct-24	157	
05-5420-1(M22)	FS schematics (2.3.05.03.03)	90	29	67.78%	30-Sep-19 A	28-Apr-24	04-Sep-24	02-Oct-24	157	
AIP Mechanical Treatment Plant Building (2.4)		432	41		18-Jan-22 A	10-May-24	26-Dec-23	22-Jun-24	43	
05-1670	Electrical and instrumentation works design (2.4.03)	190	41	78.42%	08-Aug-23 A	10-May-24	26-Dec-23	04-Feb-24	-96	
Building services design (excluding fire services installation design) (2.4.06)		135	30		18-Jan-22 A	29-Apr-24	24-May-24	22-Jun-24	54	
05-1700	LV and Emergency Power Distribution Design	135	30	77.78%	18-Jan-22 A	29-Apr-24	24-May-24	22-Jun-24	54	
AIP Roads and Utilities (2.10)		60	60		31-Mar-24	29-May-24	11-Feb-24	10-Apr-24	-49	
Water supply system design on the Artificial Island (2.10.04)		60	60		31-Mar-24	29-May-24	11-Feb-24	10-Apr-24	-49	
05-2360	Water Tanks (2.10.04.05)	60	60	0%	31-Mar-24	29-May-24	11-Feb-24	10-Apr-24	-49	
AIP Testing and Commissioning (2.12)		1931	195		23-Apr-19 A	11-Oct-24	03-Jun-24	14-Dec-24	64	
05-2650-1(5)	Factory Acceptance Testing plan (2.12.01.02-07) (8 Packages)	1651	31	98.12%	23-Apr-19 A	30-Apr-24	12-Aug-24	11-Sep-24	134	
05-2670	System commissioning plan (2.12.03)	90	90	0%	31-Mar-24	28-Jun-24	03-Jun-24	31-Aug-24	64	
05-2680	Plant commissioning plan (2.12.04)	105	105	0%	29-Jun-24	11-Oct-24	01-Sep-24	14-Dec-24	64	
AIP Miscellaneous Works (2.14)		220	220		31-Mar-24	05-Nov-24	24-Apr-25	29-Nov-25	389	
05-2710	Existing onshore crane replacement works at Portion 2	220	220	0%	31-Mar-24*	05-Nov-24	24-Apr-25	29-Nov-25	389	
AIP Auxiliary Plant Systems (2.16)		90	90		31-Mar-24	28-Jun-24	07-Jan-24	18-Jul-24	20	
05-2760	Maintenance workshops (2.16.01)	90	90	0%	31-Mar-24	28-Jun-24	11-Apr-24	09-Jul-24	11	
05-2770	Vehicle Fuel Filling Station (2.16.02)	90	90	0%	31-Mar-24	28-Jun-24	07-Jan-24	05-Apr-24	-84	
05-2780	Stores systems (2.16.03)	90	90	0%	31-Mar-24	28-Jun-24	20-Apr-24	18-Jul-24	20	
AIP O&M Packages		850	210		06-Jun-22 A	26-Oct-24	07-Jan-24	26-Feb-25	123	
05-8010(6E)	Warehouse (O&M Scope)	185	29	84.32%	04-Jul-22 A	28-Apr-24	02-Jul-24	30-Jul-24	93	



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

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
05-8020(6E)	Workshop (O&M Scope)	150	29	80.67%	04-Jul-22 A	28-Apr-24	02-Jul-24	30-Jul-24	93	
05-8030(6E)	Ash & Residues Container (O&M Scope)	160	90	43.75%	06-Jun-22 A	28-Jun-24	03-May-24	31-Jul-24	33	
05-8050(6E)	Other Mobile Plants (O&M Scope)	210	210	0%	31-Mar-24	26-Oct-24	01-Aug-24	26-Feb-25	123	
05-8050-1(M55)	Design of (pilot) Electric Vehicle	150	148	1.33%	28-Mar-24 A	25-Aug-24	07-Jan-24	02-Jun-24	-84	Update Actual Start Date
DDA Design Package Submissions		2253	302		05-Sep-18 A	26-Jan-25	28-Oct-23	29-Jul-25	184	
DDA Process and Layout Design (2.1)		768	118		25-Sep-21 A	26-Jul-24	29-Jan-24	14-Dec-24	141	
MSW treatment process design for mechanical treatment (2.1.14)		181	42		05-Jul-23 A	11-May-24	03-Nov-24	14-Dec-24	217	
05-3500	Mechanical Treatment Plant (2.1.14)	181	42	76.8%	05-Jul-23 A	11-May-24	03-Nov-24	14-Dec-24	217	
Logistic arrangement design for MSW and Ash and Residues (2.1.17)		105	118		25-Sep-21 A	26-Jul-24	29-Jan-24	25-May-24	-62	
05-4410	Mechanical Shredder	105	118	0%	25-Sep-21 A	26-Jul-24	29-Jan-24	25-May-24	-62	
DDA Ground Treatment, Reclamation, Seawall, Breakwater, Berth (2.2)		1957	60		20-Jan-19 A	29-May-24	06-Jan-24	22-Nov-24	177	
05-3450	Seawall design (2.2.20)	60	20	66.67%	20-Jan-19 A	19-Apr-24	06-Jan-24	25-Jan-24	-85	
05-3470-1(M37)	Mooring Dolphins	60	60	0%	31-Mar-24	29-May-24	25-Feb-24	24-Apr-24	-35	
05-3480	Onshore crane Facility (2.2.23)	60	30	50%	01-Feb-24 A	29-Apr-24	27-Jun-24	26-Jul-24	88	Update Actual Start Date
05-3490	Onshore vessel power supply system (2.2.24)	90	59	34.44%	29-Feb-24 A	28-May-24	25-Sep-24	22-Nov-24	178	
DDA Incineration Plant Buildings (2.3)		2041	150		05-Sep-18 A	27-Aug-24	28-Oct-23	10-Apr-25	226	
Structural design (2.3.14)		59	30		01-Oct-23 A	29-Apr-24	10-Jan-24	08-Feb-24	-81	
05-3280-1(M55)	Sky Deck	59	30	50%	01-Oct-23 A	29-Apr-24	10-Jan-24	08-Feb-24	-81	Update Progress Percent
Electrical and instrumentation works design (2.3.15)		2041	90		05-Sep-18 A	28-Jun-24	28-Oct-23	22-Aug-24	55	
E&IC Package 1 (Process Island) (2.3.15.02)		105	60		12-Jul-21 A	29-May-24	08-Jan-24	08-Mar-24	-82	
05-3390-13(M55)	Electrical Works E&I Installation at Yard (2.3.15.02.08)	105	31	70.48%	07-May-22 A	30-Apr-24	07-Feb-24	08-Mar-24	-53	
05-3390-6(M55)	Electrical Works Instrumentation (2.3.15.02.06)	105	31	70.48%	15-Oct-21 A	30-Apr-24	07-Feb-24	08-Mar-24	-53	
05-7400-1(M55)	Electrical works CEMS and Process Analyzers (2.3.15.02.07)	105	60	42.86%	12-Jul-21 A	29-May-24	08-Jan-24	08-Mar-24	-83	
E&IC Package 2 (Power Island) (2.3.15.03)		348	31		23-Dec-20 A	30-Apr-24	28-Oct-23	14-Dec-23	-138	
05-3390-13(M55)10	Electrical Works Design (2.3.15.03.01 to 04)	105	31	70.48%	23-Dec-20 A	30-Apr-24	14-Nov-23	14-Dec-23	-138	
05-3390-4(M46)	Generator Related Equipment (2.3.15.03.08)	105	31	70.48%	29-Jun-21 A	30-Apr-24	28-Oct-23	27-Nov-23	-155	
Operation Management System (2.3.15.04)		2041	90		05-Sep-18 A	28-Jun-24	31-Jan-24	22-Aug-24	55	
05-5400-1(M22)	Automatic Traffic Control System (ATCS)	90	90	0%	31-Mar-24	28-Jun-24	25-May-24	22-Aug-24	55	
05-7400(6E)	Automatic License Plate and Container Recognition System (ALPCRS)	90	31	65.56%	05-Sep-18 A	30-Apr-24	26-Jun-24	26-Jul-24	87	
2.3.15.04.03		167	31		19-Apr-22 A	30-Apr-24	31-Jan-24	01-Mar-24	-60	
2.3.15.04.03.02		105	29		02-Aug-22 A	28-Apr-24	02-Feb-24	01-Mar-24	-58	
05-3390-13(M58)	OMS/SCADA/DCS - Panel Design for Power Island and Plant Common (2.3.15.04.03.02)	105	29	72.38%	02-Aug-22 A	28-Apr-24	02-Feb-24	01-Mar-24	-58	
2.3.15.04.03.03		105	31		19-Apr-22 A	30-Apr-24	31-Jan-24	01-Mar-24	-60	
05-3390-14(M55)	OMS/SCADA/DCS - Server Panel Design (2.3.15.04.03.03)	105	31	70.48%	19-Apr-22 A	30-Apr-24	31-Jan-24	01-Mar-24	-60	
2.3.15.04.06		105	31		09-Dec-21 A	30-Apr-24	31-Jan-24	01-Mar-24	-60	
05-3390-9(6D)	Process Related 3rd Party System (2.3.15.04.06.01.01)	105	31	70.48%	09-Dec-21 A	30-Apr-24	31-Jan-24	01-Mar-24	-60	
2.3.15.05		105	31		30-Aug-21 A	30-Apr-24	07-Feb-24	10-Jun-24	41	
05-3390-15(M55)	Balance of Plant LV Switchgear Design (2.3.15.05.01)	105	31	70.48%	07-May-22 A	30-Apr-24	07-Feb-24	08-Mar-24	-53	
05-3390-5(M55)	Electrical and Instrumentation Works - Ash Crane (2.3.15.05.05)	105	31	70.48%	30-Aug-21 A	30-Apr-24	11-May-24	10-Jun-24	41	
Mechanical works design (2.3.16)		1796	150		28-Feb-19 A	27-Aug-24	10-Dec-23	10-Jun-24	-78	
Plant and Equipment		1796	150		28-Feb-19 A	27-Aug-24	10-Dec-23	10-Jun-24	-78	
05-3390-4(M55)	Electrical and Instrumentation Works - Waste Crane and Grapple System (2.3.15.05.04)	105	31	70.48%	07-Jan-22 A	30-Apr-24	11-May-24	10-Jun-24	41	
05-3600	Mechanical Shredder	105	31	70.48%	05-May-22 A	30-Apr-24	29-Jan-24	28-Feb-24	-62	
05-3610	Incineration System (9 Packages)	105	150	0%	28-Feb-19 A	27-Aug-24	10-Dec-23	07-May-24	-112	
05-3790	Flue Gas Treatment System (12 Packages)	105	48	54.29%	31-Oct-19 A	17-May-24	21-Jan-24	08-Mar-24	-70	
05-3800	Boiler ash and APC residue handling and solidification	105	44	58.1%	09-Jun-20 A	13-May-24	25-Jan-24	08-Mar-24	-66	
DDA Fire services installation design (2.3.17)		60	44		22-Sep-22 A	13-May-24	03-Oct-24	17-Oct-24	157	
05-3660	Fire Systems (same package with 05-3680)	60	15	75%	22-Sep-22 A	14-Apr-24	03-Oct-24	17-Oct-24	186	
05-3680	FS schematics (same package with 05-3660)	60	15	75%	22-Sep-22 A	13-May-24	03-Oct-24	17-Oct-24	157	
Building services design (excluding fire services installation design) (2.3.18)		242	90		25-Oct-21 A	28-Jun-24	18-Jan-24	20-Oct-24	114	
05-3690	Electrical Services and Lighting (7 Packages)	60	30	50%	22-Apr-22 A	29-Apr-24	09-Feb-24	09-Mar-24	-51	
05-3700	MVAC	90	28	68.89%	26-Oct-21 A	27-Apr-24	21-Sep-24	18-Oct-24	174	
05-3710	Odour Control	90	90	0%	31-Mar-24	28-Jun-24	21-Jul-24	18-Oct-24	112	
05-3720	Plumbing (7 Packages)	90	29	67.78%	02-Dec-22 A	28-Apr-24	14-Sep-24	12-Oct-24	167	
05-3730	Drainage (7 Packages)	90	29	67.78%	10-Mar-22 A	28-Apr-24	14-Sep-24	12-Oct-24	167	
05-3740	ELV (7 Packages)	60	30	50%	25-Oct-21 A	29-Apr-24	21-Sep-24	20-Oct-24	174	
05-3750	Lifts and Escalators	90	29	67.78%	13-Jul-23 A	28-Apr-24	18-Jan-24	15-Feb-24	-73	
05-3770	Building Management System (BMS)	60	30	50%	14-Jun-22 A	29-Apr-24	10-Mar-24	08-Apr-24	-21	
05-3780	Vehicle & Container Wash System	60	30	50%	28-Apr-23 A	29-Apr-24	11-Apr-24	10-May-24	11	
05-3780-2(M20)	Water Cannon System	90	90	0%	31-Mar-24	28-Jun-24	20-Jul-24	17-Oct-24	111	
General Layout Drawings and Fire Safety Strategy (2.3.25)		637	62		31-Jul-21 A	31-May-24	19-Apr-24	10-Apr-25	314	
05-3290	Process Building & Wastewater Treatment Plant	60	14	76.67%	13-Jun-22 A	13-Apr-24	05-Aug-24	18-Aug-24	127	
05-3330	Chimney	60	28	53.33%	23-May-22 A	27-Apr-24	22-Jul-24	18-Aug-24	113	
05-3340	Elevated Drive Way and Associated Structures	105	62	40.95%	31-Jul-21 A	31-May-24	18-Jun-24	18-Aug-24	79	
05-4170	Administration Building and Viewing Gallery (2.7.21)	60	62	0%	15-Dec-22 A	31-May-24	19-Apr-24	19-Jun-24	19	
05-4800	IWMF Site Wide Architectural Details	105	62	40.95%	20-Nov-21 A	31-May-24	08-Feb-25	10-Apr-25	314	
05-5160	Mechanical Treatment Plant & Water Treatment Plant (2.4.25)	60	28	53.33%	15-Dec-22 A	27-Apr-24	05-Jun-24	02-Jul-24	66	
DDA Mechanical Treatment Plant Building (2.4)		516	180		20-Sep-22 A	26-Sep-24	19-Nov-23	07-Jul-24	-81	
05-5190	Electrical and instrumentation works design	180	180	0%	31-Mar-24*	26-Sep-24	26-Dec-23	22-Jun-24	-96	
05-5200	Mechanical works design (2.4.16)	135	152	20%	14-Aug-23 A	29-Aug-24	19-Nov-23	18-Apr-24	-133	
05-5210	Fire services installation design (2.6.17)	60	29	51.67%	21-Apr-23 A	28-Apr-24	04-Jun-24	02-Jul-24	65	
Building services design (excluding fire services installation design) (2.4.18)		395	37		20-Sep-22 A	06-May-24	05-May-24	07-Jul-24	62	
05-3850	LV and Emergency Power Distribution Design	90	28	68.89%	20-Sep-22 A	27-Apr-24	26-May-24	22-Jun-24	56	
05-3860	MVAC	90	29	67.78%	14-Feb-23 A	28-Apr-24	06-May-24	03-Jun-24	36	

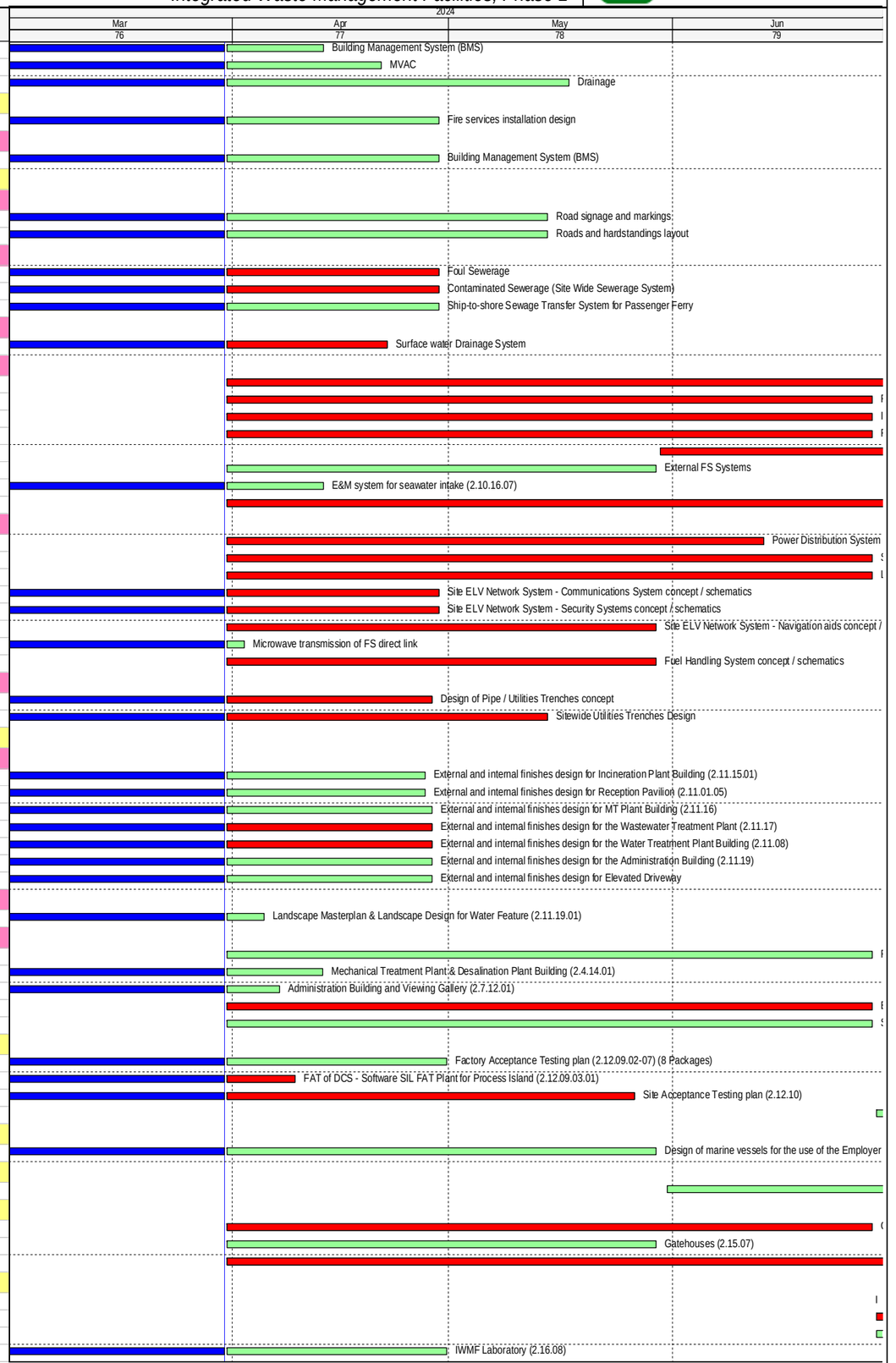


Actual Work | Remaining Work | Critical Remaining Work | Milestone | Actrual Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
05-3870	Odour Control	90	14	84.44%	16-Apr-23 A	13-Apr-24	21-May-24	03-Jun-24	51	
05-3880	Plumbing	60	30	50%	20-Sep-22 A	29-Apr-24	05-May-24	03-Jun-24	35	
05-3890	Drainage	60	29	51.67%	24-Apr-23 A	28-Apr-24	06-May-24	03-Jun-24	36	
05-3900	Lighting and small power	90	29	67.78%	20-Sep-22 A	28-Apr-24	25-May-24	22-Jun-24	55	
05-3910	Lifts and Escalators	90	37	58.89%	13-Jul-23 A	06-May-24	09-May-24	14-Jun-24	39	
05-3910-1	Building Management System (BMS)	60	29	51.67%	20-Sep-22 A	28-Apr-24	09-Jun-24	07-Jul-24	70	
DDA Wastewater Treatment Plant (2.5)		760	92		10-Mar-22 A	30-Jun-24	08-Dec-23	04-Aug-24	35	
05-3950	Electrical and instrumentation works design (2.5.15)	60	92	0%	19-Sep-22 A	30-Jun-24	08-Dec-23	08-Mar-24	-114	
05-3960	Mechanical works design (2.5.16) (5 Packages)	232	92	60.34%	31-May-22 A	30-Jun-24	17-Feb-24	18-May-24	-43	
05-3970	Fire services installation design (2.6.17) (2 Packages)	60	30	50%	21-Apr-23 A	29-Apr-24	22-Mar-24	20-Apr-24	-9	
Building services design (excluding fire services installation design) (2.5.18)		416	90		10-Mar-22 A	28-Jun-24	06-Jan-24	04-Aug-24	37	
05-3980	LV and Emergency Power Distribution Design for IWMF Waste Water Treatment Plant	90	28	68.89%	20-Sep-22 A	27-Apr-24	11-Feb-24	09-Mar-24	-49	
05-3990	MVAC	90	30	66.67%	09-Mar-23 A	29-Apr-24	06-Mar-24	04-Apr-24	-25	
05-4000	Odour Control	90	90	0%	31-Mar-24	28-Jun-24	06-Jan-24	04-Apr-24	-85	
05-4010	Plumbing	90	30	66.67%	20-Sep-22 A	29-Apr-24	06-Jul-24	04-Aug-24	97	
05-4020	Drainage	105	30	71.43%	10-Mar-22 A	29-Apr-24	06-Jul-24	04-Aug-24	97	
05-4030	ELV	90	30	66.67%	22-Sep-22 A	29-Apr-24	09-Feb-24	09-Mar-24	-51	
DDA Water Treatment Plant Building (2.6)		513	60		02-May-22 A	29-May-24	12-Feb-24	02-Jul-24	34	
05-4090	Mechanical works design (2.6.16)	90	60	33.33%	02-May-22 A	29-May-24	12-Feb-24	11-Apr-24	-48	
05-4100	Fire services installation design (2.6.17)	60	30	50%	22-Sep-22 A	29-Apr-24	03-Jun-24	02-Jul-24	64	
Building services design (excluding fire services installation design) (2.6.18)		455	30		29-Jun-22 A	29-Apr-24	05-May-24	07-Jun-24	39	
05-4110	Electrical Services and Lighting	90	30	66.67%	20-Sep-22 A	29-Apr-24	09-May-24	07-Jun-24	39	
05-4120	MVAC	90	30	66.67%	29-Jun-22 A	29-Apr-24	05-May-24	03-Jun-24	35	
05-4140	Plumbing	60	30	50%	20-Sep-22 A	29-Apr-24	05-May-24	03-Jun-24	35	
05-4150	Drainage	60	30	50%	20-Sep-22 A	29-Apr-24	05-May-24	03-Jun-24	35	
05-4160	ELV	90	30	66.67%	20-Sep-22 A	29-Apr-24	09-May-24	07-Jun-24	39	
DDA Administration Building (2.7)		395	37		20-Sep-22 A	06-May-24	10-Mar-24	03-Oct-24	150	
05-4200	Electrical and instrumentation works design (2.7.13)	60	20	66.67%	02-Dec-22 A	19-Apr-24	04-Apr-24	23-Apr-24	4	
05-4210	Fire services installation design (2.7.14)	60	30	50%	09-Mar-23 A	29-Apr-24	21-May-24	19-Jun-24	51	
Building services design (excluding fire services installation design) (2.7.15)		395	37		20-Sep-22 A	06-May-24	10-Mar-24	03-Oct-24	150	
05-4220	Electrical Services and Lighting	90	30	66.67%	02-Dec-22 A	29-Apr-24	25-Mar-24	23-Apr-24	-6	
05-4230	MVAC	90	30	66.67%	14-Feb-23 A	29-Apr-24	22-May-24	20-Jun-24	52	
05-4250	Plumbing	90	30	66.67%	05-May-23 A	29-Apr-24	04-Sep-24	03-Oct-24	157	
05-4260	Drainage	90	30	66.67%	05-May-23 A	29-Apr-24	04-Sep-24	03-Oct-24	157	
05-4270	ELV	90	30	66.67%	20-Sep-22 A	29-Apr-24	25-Mar-24	23-Apr-24	-6	
05-4280	Lifts and Escalators	90	37	58.89%	13-Jul-23 A	06-May-24	09-May-24	14-Jun-24	39	
05-4280-1	Building Management System (BMS)	90	30	66.67%	29-Oct-22 A	29-Apr-24	10-Mar-24	08-Apr-24	-21	
DDA IWMF Substation (2.8)		274	30		16-Oct-21 A	29-Apr-24	02-Apr-24	19-Oct-24	173	
05-4340	Fire services installation design (2.8.17)	60	0	100%	17-Jun-22 A	31-Mar-24	19-May-24	19-May-24	50	
Building services design (excluding fire services installation design) (2.8.18)		151	30		25-Oct-21 A	29-Apr-24	02-Apr-24	19-Oct-24	173	
05-4990	Electrical Services and Lighting	90	30	66.67%	22-Apr-22 A	29-Apr-24	19-Sep-24	19-Oct-24	173	
05-5000	MVAC	90	30	66.67%	19-Nov-21 A	29-Apr-24	19-Sep-24	18-Oct-24	172	
05-5010	Plumbing	90	30	66.67%	08-Dec-22 A	29-Apr-24	02-Apr-24	01-May-24	2	
05-5020	Drainage	90	30	66.67%	10-Nov-22 A	29-Apr-24	02-Apr-24	01-May-24	2	
05-5030	ELV	90	30	66.67%	25-Oct-21 A	29-Apr-24	19-Sep-24	19-Oct-24	173	
05-5030-1	Building Management System (BMS)	90	30	66.67%	25-Oct-21 A	29-Apr-24	06-Sep-24	05-Oct-24	159	
Electrical and instrumentation works design (2.8.15)		90	0		16-Oct-21 A	31-Mar-24	01-May-24	01-May-24	32	
2.8.15.06		90	0		16-Oct-21 A	31-Mar-24	01-May-24	01-May-24	32	
05-4320	Electrical and instrumentation works design (2.8.15.06.01 to 40)	90	0	100%	16-Oct-21 A	31-Mar-24	01-May-24	01-May-24	32	
DDA Air Cool Condensers Equipment (2.3.06)		60	14		14-Jun-22 A	13-Apr-24	24-Jul-24	06-Aug-24	115	
Building services design (excluding fire services installation design) (2.3.06)		60	14		14-Jun-22 A	13-Apr-24	24-Jul-24	06-Aug-24	115	
05-5540	Building Management System (BMS)	60	14	76.67%	14-Jun-22 A	13-Apr-24	24-Jul-24	06-Aug-24	115	
DDA Chimney		121	90		21-Jun-22 A	28-Jun-24	29-Mar-24	19-Aug-24	52	
05-5540-2(6D)	Fire services installation design	29	22	25%	23-Feb-23 A	21-Apr-24	28-Jul-24	18-Aug-24	119	
Building services design (excluding fire services installation design)		121	90		21-Jun-22 A	28-Jun-24	29-Mar-24	19-Aug-24	52	
05-6000-1(5a)	Electrical Services and Lighting	90	5	94.44%	21-Jun-22 A	04-Apr-24	03-Jul-24	07-Jul-24	94	
05-6010(5a)	MVAC	60	60	0%	31-Mar-24	29-May-24	21-Jun-24	19-Aug-24	82	
05-6020-1(5a)	Plumbing	90	90	0%	31-Mar-24	28-Jun-24	29-Mar-24	26-Jun-24	-2	
05-6050-1(5a)	Lift	90	37	58.89%	13-Jul-23 A	06-May-24	09-May-24	14-Jun-24	39	
05-6060-1(5a)	Building Management System (BMS)	60	24	60%	28-Jul-22 A	23-Apr-24	14-Jul-24	06-Aug-24	105	
DDA Elevated Drive Way and Associated Structures Foundation		410	48		25-Jul-22 A	17-May-24	27-Jun-24	21-Aug-24	96	
05-5540-3(6D)	Fire services installation design	60	30	50%	24-Apr-23 A	29-Apr-24	20-Jul-24	18-Aug-24	111	
Building services design (excluding fire services installation design)		105	48		25-Jul-22 A	17-May-24	27-Jun-24	21-Aug-24	96	
05-5560	Building Management System (BMS)	90	37	58.89%	25-Jul-22 A	06-May-24	01-Jul-24	06-Aug-24	92	
05-7250	Electrical Services and Lighting	90	37	58.89%	25-Oct-22 A	06-May-24	16-Jul-24	21-Aug-24	107	
05-7260	MVAC	105	48	54.29%	22-Aug-22 A	17-May-24	03-Jul-24	19-Aug-24	94	
05-7270	Plumbing	105	48	54.29%	23-Jun-23 A	17-May-24	27-Jun-24	13-Aug-24	88	
05-7280	Drainage	105	48	54.29%	05-Dec-22 A	17-May-24	27-Jun-24	13-Aug-24	88	
05-7290	ELV	105	48	54.29%	01-Sep-22 A	17-May-24	05-Jul-24	21-Aug-24	96	
DDA Reception Pavilion		410	48		20-Jul-22 A	17-May-24	12-Apr-24	22-Jul-24	66	
05-3280	Foundation Design	90	30	66.67%	15-Dec-22 A	29-Apr-24	12-Apr-24	11-May-24	12	
05-5540-4(6D)	Fire services installation design	60	30	50%	24-Apr-23 A	29-Apr-24	23-Jun-24	22-Jul-24	84	
Building services design (excluding fire services installation design)		105	48		20-Jul-22 A	17-May-24	03-Jun-24	20-Jul-24	64	

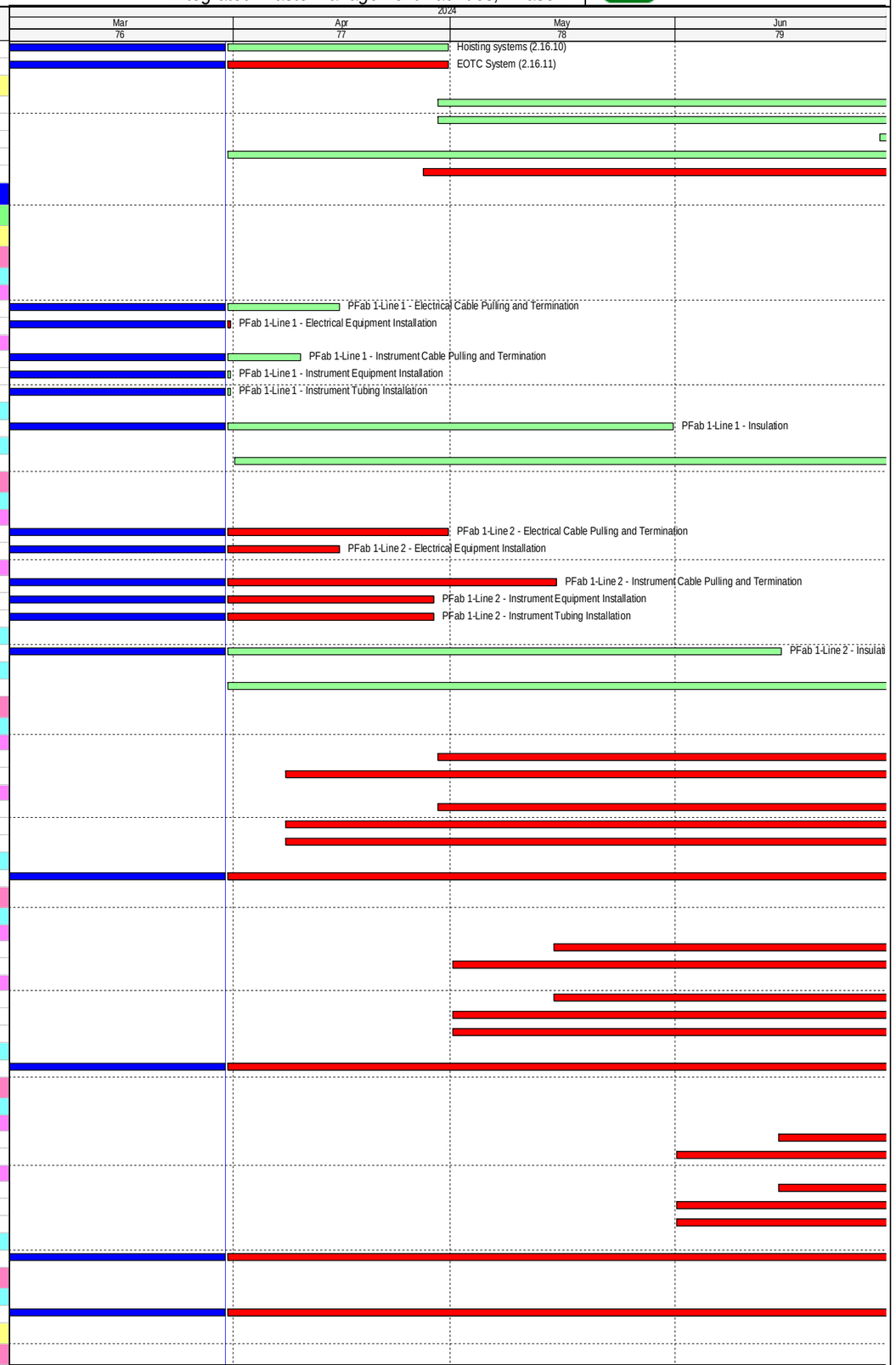
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Actrual Milestone
Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
05-2130-1	Building Management System (BMS)	60	14	76.67%	28-Sep-22 A	13-Apr-24	07-Jul-24	20-Jul-24	98	
05-7310	MVAC	105	22	79.05%	20-Jul-22 A	21-Apr-24	29-Jun-24	20-Jul-24	90	
05-7330	Drainage	105	48	54.29%	28-Feb-23 A	17-May-24	03-Jun-24	20-Jul-24	64	
DDA CCCW Building		365	30		14-Jun-22 A	29-Apr-24	21-May-24	05-Oct-24	159	
05-5540-5(6D)	Fire services installation design	60	30	50%	08-Dec-22 A	29-Apr-24	21-May-24	19-Jun-24	51	
Building services design (excluding fire services installation design)		60	30		14-Jun-22 A	29-Apr-24	06-Sep-24	05-Oct-24	159	
05-2130-2	Building Management System (BMS)	60	30	50%	14-Jun-22 A	29-Apr-24	06-Sep-24	05-Oct-24	159	
DDA Roads and Utilities (2.10)		698	120		13-Jan-21 A	28-Jul-24	28-Nov-23	22-Aug-24	25	
Permanent road works layout on the Artificial Island (2.10.13)		90	45		08-Aug-22 A	14-May-24	09-Jun-24	22-Aug-24	100	
05-4480	Road signage and markings	90	45	50%	08-Aug-22 A	14-May-24	09-Jul-24	22-Aug-24	100	Update Progress Percent
05-5400	Roads and hardstandings layout	90	45	50%	08-Aug-22 A	14-May-24	09-Jun-24	23-Jul-24	70	Update Progress Percent
Sewerage design on the Artificial Island (2.10.14)		395	30		13-Jan-21 A	29-Apr-24	28-Nov-23	13-Aug-24	106	
05-4430	Foul Sewerage	60	30	50%	14-Mar-23 A	29-Apr-24	28-Nov-23	27-Dec-23	-124	
05-4440	Contaminated Sewerage (Site Wide Sewerage System)	60	30	50%	14-Mar-23 A	29-Apr-24	28-Nov-23	27-Dec-23	-124	
05-4440-2(M55)	Ship-to-shore Sewage Transfer System for Passenger Ferry	90	30	66.67%	13-Jan-21 A	29-Apr-24	15-Jul-24	13-Aug-24	106	
Drainage system design on the Artificial Island (2.10.15)		90	23		22-Feb-23 A	22-Apr-24	05-Dec-23	27-Dec-23	-117	
05-5310	Surface water Drainage System	90	23	75%	22-Feb-23 A	22-Apr-24	05-Dec-23	27-Dec-23	-117	
Water supply system design on the Artificial Island (2.10.16)		698	120		04-Apr-22 A	28-Jul-24	26-Feb-24	09-Jun-24	-49	
05-5250	Potable Water Distribution System	105	105	0%	31-Mar-24	13-Jul-24	26-Feb-24	09-Jun-24	-34	
05-5260	Reuse Water System	90	90	0%	31-Mar-24	28-Jun-24	12-Mar-24	09-Jun-24	-19	
05-5270	Irrigation System	90	90	0%	31-Mar-24	28-Jun-24	12-Mar-24	09-Jun-24	-19	
05-5280	Rainwater harvesting System	90	90	0%	31-Mar-24	28-Jun-24	12-Mar-24	09-Jun-24	-19	
05-5290	Water Tanks	60	60	0%	30-May-24	28-Jul-24	11-Apr-24	09-Jun-24	-49	
05-5300	External FS Systems	60	60	0%	31-Mar-24	29-May-24	11-Apr-24	09-Jun-24	11	
05-5300-1(M24)	E&M system for seawater intake (2.10.16.07)	105	14	86.67%	04-Apr-22 A	13-Apr-24	27-May-24	09-Jun-24	57	
05-5300-3(5a)	Chemical scrubber system for odour control (2.10.16.10)	105	105	0%	31-Mar-24	13-Jul-24	26-Feb-24	09-Jun-24	-34	
Design of telecommunication and other utilities (2.10.18)		607	90		14-Jun-22 A	28-Jun-24	08-Jan-24	24-Apr-24	-65	
05-4580	Power Distribution System concept / schematics	75	75	0%	31-Mar-24	13-Jun-24	08-Jan-24	22-Mar-24	-83	
05-4590	Site Lighting Concept / Schematics	90	90	0%	31-Mar-24	28-Jun-24	26-Jan-24	24-Apr-24	-65	
05-4600	Lightning Protection System concept / schematics	90	90	0%	31-Mar-24	28-Jun-24	26-Jan-24	24-Apr-24	-65	
05-4610	Site ELV Network System - Communications System concept / schematics	75	30	60%	16-Aug-22 A	29-Apr-24	26-Mar-24	24-Apr-24	-5	
05-4620	Site ELV Network System - Security Systems concept / schematics	75	30	60%	14-Jun-22 A	29-Apr-24	26-Mar-24	24-Apr-24	-5	
05-4630	Site ELV Network System - Navigation aids concept / schematics	60	60	0%	31-Mar-24	29-May-24	25-Feb-24	24-Apr-24	-35	
05-4640	Microwave transmission of FS direct link	105	3	97.14%	22-Aug-22 A	02-Apr-24	22-Apr-24	24-Apr-24	22	
05-4650	Fuel Handling System concept / schematics	60	60	0%	31-Mar-24	29-May-24	25-Feb-24	24-Apr-24	-35	
Utility ducts/Pipebridges design (2.10.26)		90	45		03-Jul-23 A	14-May-24	13-Dec-23	26-Jan-24	-109	
05-5040	Design of Pipe / Utilities Trenches concept	90	29	67.78%	05-Jul-23 A	28-Apr-24	29-Dec-23	26-Jan-24	-93	
05-5050	Sitewide Utilities Trenches Design	90	45	50%	03-Jul-23 A	14-May-24	13-Dec-23	26-Jan-24	-109	Update Progress Percent
DDA Architectural, Finishes and Landscaping Works (2.11)		638	90		15-Jun-21 A	28-Jun-24	16-Feb-24	09-Feb-25	226	
External and internal finishes design		516	29		15-Jun-21 A	28-Apr-24	16-Feb-24	10-Jan-25	257	
05-4670	External and internal finishes design for Incineration Plant Building (2.11.15.01)	90	28	68.89%	19-Sep-22 A	27-Apr-24	17-May-24	13-Jun-24	47	
05-4720	External and internal finishes design for Reception Pavilion (2.11.01.05)	90	28	68.89%	10-Nov-22 A	27-Apr-24	14-Dec-24	10-Jan-25	258	
05-4730	External and internal finishes design for MT Plant Building (2.11.16)	60	29	51.67%	16-Aug-23 A	28-Apr-24	19-Jul-24	16-Aug-24	110	
05-4740	External and internal finishes design for the Wastewater Treatment Plant (2.11.17)	60	29	51.67%	06-Jun-23 A	28-Apr-24	09-Mar-24	06-Apr-24	-22	
05-4750	External and internal finishes design for the Water Treatment Plant Building (2.11.08)	60	29	51.67%	16-Aug-23 A	28-Apr-24	16-Feb-24	15-Mar-24	-44	
05-4760	External and internal finishes design for the Administration Building (2.11.19)	60	29	51.67%	21-Sep-23 A	28-Apr-24	21-May-24	18-Jun-24	51	
05-5430	External and internal finishes design for Elevated Driveway	90	29	67.78%	15-Jun-21 A	28-Apr-24	09-Jun-24	07-Jul-24	70	
Landscaping Works (2.11.21)		105	5		26-Jan-23 A	05-Apr-24	04-Feb-25	09-Feb-25	311	
05-4780	Landscape Masterplan & Landscape Design for Water Feature (2.11.19.01)	105	5	95%	26-Jan-23 A	05-Apr-24	04-Feb-25	09-Feb-25	311	
Facade Structural Design		181	90		01-Dec-23 A	28-Jun-24	09-Mar-24	09-Feb-25	226	
05-8040(6D)	Reception Pavilion (2.3.14.07.01)	90	90	0%	31-Mar-24	28-Jun-24	12-Nov-24	09-Feb-25	226	
05-8050(6D)	Mechanical Treatment Plant & Desalination Plant Building (2.4.14.01)	90	14	85%	01-Dec-23 A	13-Apr-24	19-Jun-24	02-Jul-24	81	
05-8060(6D)	Administration Building and Viewing Gallery (2.7.12.01)	60	8	87%	01-Dec-23 A	07-Apr-24	13-Jun-24	20-Jun-24	74	
05-8080(6D)	Elevated Driveway and Associated Structures	90	90	0%	31-Mar-24	28-Jun-24	09-Mar-24	06-Jun-24	-22	
05-8090(6D)	Sky Deck near Administration Building Structural Design	90	90	0%	31-Mar-24	28-Jun-24	13-Sep-24	11-Dec-24	166	
DDA Testing and Commissioning (2.12)		837	180		23-Apr-19 A	26-Sep-24	13-Nov-23	30-Nov-24	65	
05-4810-1(5a)	Factory Acceptance Testing plan (2.12.09.02-07) (8 Packages)	90	31	65.56%	23-Apr-19 A	30-Apr-24	12-Aug-24	11-Sep-24	134	
05-4810-2(M55)	FAT of DCS - Software SIL FAT Plant for Process Island (2.12.09.03.01)	105	10	90.48%	19-May-22 A	09-Apr-24	21-Jan-24	30-Jan-24	-70	
05-4820	Site Acceptance Testing plan (2.12.10)	90	57	36.67%	28-Nov-23 A	26-May-24	13-Nov-23	08-Jan-24	-139	
05-4830	System commissioning plan (2.12.11)	90	90	0%	29-Jun-24	26-Sep-24	02-Sep-24	30-Nov-24	65	
DDA Transportation Facilities for the Operation (2.13)		240	60		30-Jun-23 A	29-May-24	31-May-25	29-Jul-25	426	
05-4860	Design of marine vessels for the use of the Employer and visitors (2.13.06)	240	60	75%	30-Jun-23 A	29-May-24	31-May-25	29-Jul-25	426	
DDA Miscellaneous Works (2.14)		241	241		31-May-24	26-Jan-25	12-Oct-24	09-Jun-25	134	
05-4880	Design of visitors and environmental education facilities (2.14.06)	241	241	0%	31-May-24*	26-Jan-25	12-Oct-24	09-Jun-25	134	
DDA Miscellaneous Detailing (2.15)		123	123		31-Mar-24	31-Jul-24	24-Nov-23	23-Jul-24	-8	
05-4890	Covered walkway at passenger berth (2.15.06)	90	90	0%	31-Mar-24	28-Jun-24	25-Feb-24	24-May-24	-35	
05-4900	Gatehouses (2.15.07)	60	60	0%	31-Mar-24	29-May-24	25-May-24	23-Jul-24	55	
05-4910	Weighbridge office (2.15.08)	123	123	0%	31-Mar-24	31-Jul-24	24-Nov-23	25-Mar-24	-128	
DDA Auxiliary Plant Systems (2.16)		760	180		26-Apr-22 A	26-Sep-24	08-Jan-24	16-Oct-24	20	
05-4920	Maintenance workshops (2.16.04)	0	0	0%	29-Jun-24	29-Jun-24	09-Jul-24	09-Jul-24	11	
05-4930	Vehicle Fuel Filling Station (2.16.05)	90	90	0%	29-Jun-24	26-Sep-24	06-Apr-24	04-Jul-24	-84	
05-4940	Stores systems (2.16.06)	90	90	0%	29-Jun-24	26-Sep-24	19-Jul-24	16-Oct-24	20	
05-4940-1(5a)	IWMF Laboratory (2.16.08)	90	31	65.56%	11-Nov-22 A	30-Apr-24	16-Sep-24	16-Oct-24	169	



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

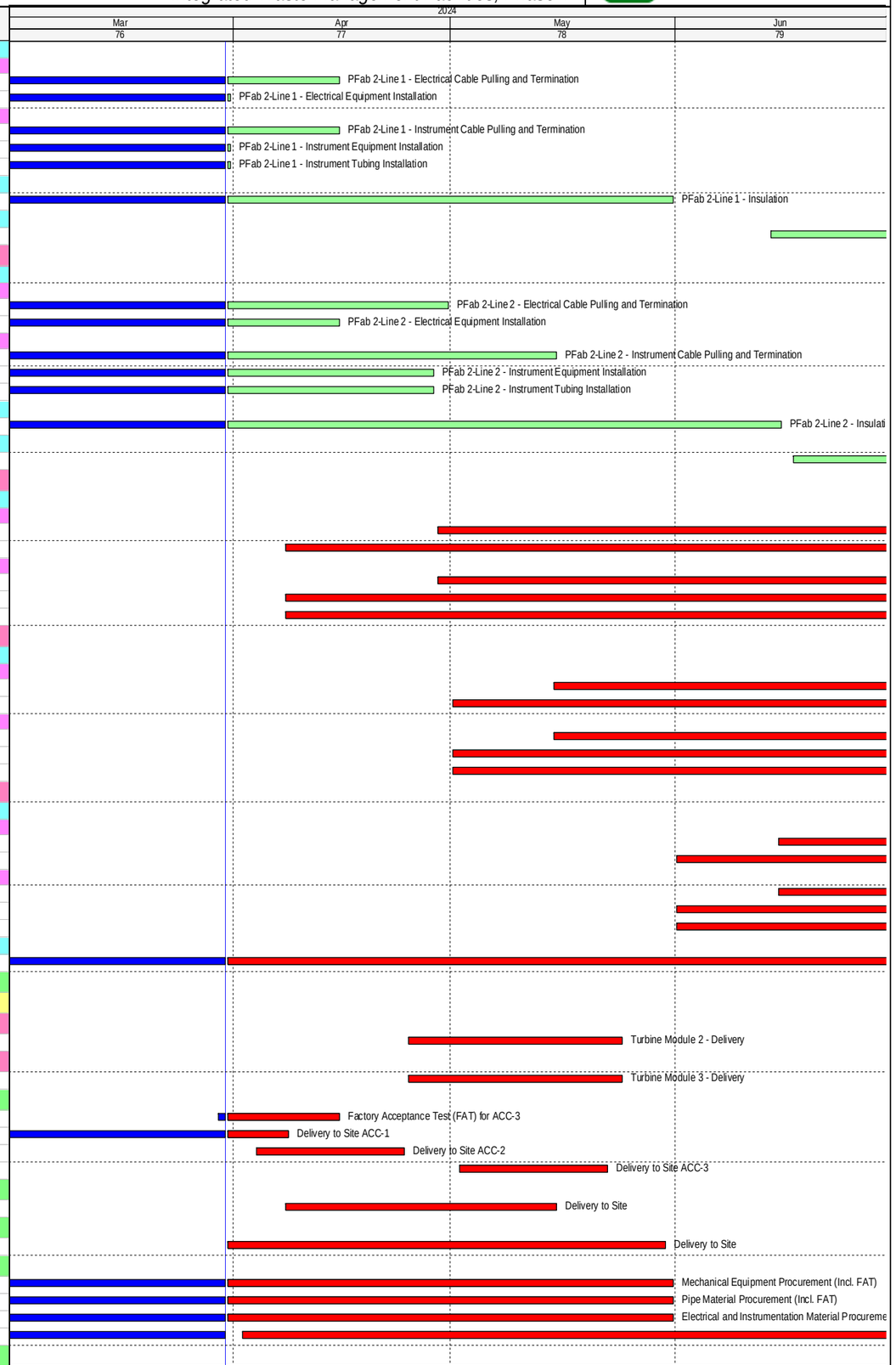
Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
05-4940-2(5a)	Hoisting systems (2.16.10)	180	31	82.78%	24-May-23 A	30-Apr-24	16-Sep-24	16-Oct-24	169	
05-4940-3(6E)	EOTC System (2.16.11)	90	31	65.56%	26-Apr-22 A	30-Apr-24	08-Jan-24	08-Feb-24	-83	
DDA O&M Packages		270	270		31-Mar-24	25-Dec-24	03-Feb-24	27-Jan-25	33	
05-8070(6E)	Warehouse (O&M Scope)	181	181	0%	29-Apr-24	26-Oct-24	31-Jul-24	27-Jan-25	93	
05-8080(6E)	Workshop (O&M Scope)	181	181	0%	29-Apr-24	26-Oct-24	31-Jul-24	27-Jan-25	93	Update OD
05-8090(6E)	Ash & Residues Container (O&M Scope)	180	180	0%	29-Jun-24	25-Dec-24	01-Aug-24	27-Jan-25	33	
05-8110(6E)	Other Mobile Plants (O&M Scope)	180	180	0%	31-Mar-24	26-Sep-24	01-Aug-24	27-Jan-25	123	
05-8110-1(M55)	Design of (pilot) Electric Vehicle	180	180	0%	27-Apr-24	23-Oct-24	03-Feb-24	31-Jul-24	-84	
Procurement of Major Equipment		972	302		21-Apr-22 A	26-Jan-25	06-Nov-23	18-Sep-24	-130	
Off-site Fabrication of Incineration Modules		972	302		22-May-22 A	26-Jan-25	06-Nov-23	18-Sep-24	-130	
Fabrication of Module (TPU)		972	302		22-May-22 A	26-Jan-25	06-Nov-23	18-Sep-24	-130	
PFab 1- Line 1		702	93		23-May-22 A	01-Jul-24	24-Mar-24	11-Sep-24	72	
E&I Installation (On-site Installation)		583	16		25-Nov-22 A	15-Apr-24	24-Mar-24	21-Jul-24	97	
Electrical		302	16		04-Aug-23 A	15-Apr-24	24-Mar-24	21-Jul-24	97	
06-TPU-1-1280	PFab 1-Line 1 - Electrical Cable Pulling and Termination	180	16	91.11%	18-Sep-23 A	15-Apr-24	06-Jul-24	21-Jul-24	97	
06-TPU-1-1290	PFab 1-Line 1 - Electrical Equipment Installation	180	1	99.44%	04-Aug-23 A	31-Mar-24	24-Mar-24	24-Mar-24	-7	
Instrument		583	10		25-Nov-22 A	10-Apr-24	11-Jul-24	21-Jul-24	103	
06-TPU-1-1310	PFab 1-Line 1 - Instrument Cable Pulling and Termination	180	10	94.44%	25-Dec-22 A	10-Apr-24	11-Jul-24	21-Jul-24	103	
06-TPU-1-1320	PFab 1-Line 1 - Instrument Equipment Installation	180	1	99.44%	25-Nov-22 A	31-Mar-24	19-Jul-24	19-Jul-24	110	
06-TPU-1-1330	PFab 1-Line 1 - Instrument Tubing Installation	180	1	99.44%	01-Oct-23 A	31-Mar-24	19-Jul-24	19-Jul-24	110	
Insulation		698	62		23-May-22 A	31-May-24	11-Jun-24	11-Aug-24	72	
06-TPU-1-1020	PFab 1-Line 1 - Insulation	698	62	91.12%	23-May-22 A	31-May-24	11-Jun-24	11-Aug-24	72	
Precommissioning		92	92		01-Apr-24	01-Jul-24	12-Jun-24	11-Sep-24	72	
06-TPU-1-1030	PFab 1-Line 1 - Pre-commissioning	92	92	0%	01-Apr-24	01-Jul-24	12-Jun-24	11-Sep-24	72	Update OD
PFab 1- Line 2		716	107		22-May-22 A	15-Jul-24	09-Mar-24	11-Sep-24	58	
E&I Installation (On-site Installation)		180	46		18-Oct-23 A	15-May-24	09-Mar-24	23-Apr-24	-22	
Electrical		180	31		18-Oct-23 A	30-Apr-24	24-Mar-24	23-Apr-24	-7	
06-TPU-2-1270	PFab 1-Line 2 - Electrical Cable Pulling and Termination	180	31	82.78%	18-Oct-23 A	30-Apr-24	24-Mar-24	23-Apr-24	-7	
06-TPU-2-1280	PFab 1-Line 2 - Electrical Equipment Installation	112	16	85.71%	06-Jan-24 A	15-Apr-24	24-Mar-24	08-Apr-24	-7	
Instrument		180	46		01-Nov-23 A	15-May-24	09-Mar-24	23-Apr-24	-22	
06-TPU-2-1300	PFab 1-Line 2 - Instrument Cable Pulling and Termination	180	46	74.45%	01-Nov-23 A	15-May-24	09-Mar-24	23-Apr-24	-22	
06-TPU-2-1310	PFab 1-Line 2 - Instrument Equipment Installation	112	29	74.11%	06-Jan-24 A	28-Apr-24	24-Mar-24	21-Apr-24	-7	
06-TPU-2-1320	PFab 1-Line 2 - Instrument Tubing Installation	112	29	74.11%	06-Jan-24 A	28-Apr-24	24-Mar-24	21-Apr-24	-7	
Insulation		698	77		22-May-22 A	15-Jun-24	28-May-24	12-Aug-24	58	
06-TPU-2-1010	PFab 1-Line 2 - Insulation	698	77	88.97%	22-May-22 A	15-Jun-24	28-May-24	12-Aug-24	58	
Precommissioning		107	107		31-Mar-24	15-Jul-24	28-May-24	11-Sep-24	58	
06-TPU-2-1020	PFab 1-Line 2 - Pre-commissioning	107	107	0%	31-Mar-24	15-Jul-24	28-May-24	11-Sep-24	58	Update OD
PFab 1- Line 3		769	239		23-May-22 A	24-Nov-24	05-Jan-24	30-Aug-24	-86	
E&I Installation		201	201		08-Apr-24	25-Oct-24	31-Jan-24	18-Aug-24	-68	
Electrical		201	201		08-Apr-24	25-Oct-24	31-Jan-24	18-Aug-24	-68	
06-TPU-3-1270	PFab 1-Line 3 - Electrical Cable Pulling and Termination	180	180	0%	29-Apr-24	25-Oct-24	21-Feb-24	18-Aug-24	-68	
06-TPU-3-1280	PFab 1-Line 3 - Electrical Equipment Installation	180	180	0%	08-Apr-24*	04-Oct-24	31-Jan-24	28-Jul-24	-68	
Instrument		201	201		08-Apr-24	25-Oct-24	31-Jan-24	18-Aug-24	-68	
06-TPU-3-1300	PFab 1-Line 3 - Instrument Cable Pulling and Termination	180	180	0%	29-Apr-24	25-Oct-24	21-Feb-24	18-Aug-24	-68	
06-TPU-3-1310	PFab 1-Line 3 - Instrument Equipment Installation	180	180	0%	08-Apr-24	04-Oct-24	31-Jan-24	28-Jul-24	-68	
06-TPU-3-1320	PFab 1-Line 3 - Instrument Tubing Installation	180	180	0%	08-Apr-24	04-Oct-24	31-Jan-24	28-Jul-24	-68	
Insulation		769	239		23-May-22 A	24-Nov-24	05-Jan-24	30-Aug-24	-86	
06-TPU-3-1010	PFab 1-Line 3 - Insulation	769	239	68.92%	23-May-22 A	24-Nov-24	05-Jan-24	30-Aug-24	-86	
PFab 1- Line 4		781	255		25-May-22 A	10-Dec-24	20-Dec-23	30-Aug-24	-102	
E&I Installation		194	194		01-May-24	10-Nov-24	07-Feb-24	18-Aug-24	-84	
Electrical		194	194		01-May-24	10-Nov-24	07-Feb-24	18-Aug-24	-84	
06-TPU-4-1270	PFab 1-Line 4 - Electrical Cable Pulling and Termination	180	180	0%	15-May-24	10-Nov-24	21-Feb-24	18-Aug-24	-84	
06-TPU-4-1280	PFab 1-Line 4 - Electrical Equipment Installation	180	180	0%	01-May-24*	27-Oct-24	07-Feb-24	04-Aug-24	-84	
Instrument		194	194		01-May-24	10-Nov-24	07-Feb-24	18-Aug-24	-84	
06-TPU-4-1300	PFab 1-Line 4 - Instrument Cable Pulling and Termination	180	180	0%	15-May-24	10-Nov-24	21-Feb-24	18-Aug-24	-84	
06-TPU-4-1310	PFab 1-Line 4 - Instrument Equipment Installation	180	180	0%	01-May-24	27-Oct-24	07-Feb-24	04-Aug-24	-84	
06-TPU-4-1320	PFab 1-Line 4 - Instrument Tubing Installation	180	180	0%	01-May-24	27-Oct-24	07-Feb-24	04-Aug-24	-84	
Insulation		767	255		25-May-22 A	10-Dec-24	20-Dec-23	30-Aug-24	-102	
06-TPU-4-1010	PFab 1-Line 4 - Insulation	767	255	66.75%	25-May-22 A	10-Dec-24	20-Dec-23	30-Aug-24	-102	
PFab 1- Line 5		822	287		04-Jun-22 A	11-Jan-25	21-Nov-23	18-Sep-24	-115	
E&I Installation		194	194		01-Jun-24	11-Dec-24	09-Mar-24	18-Sep-24	-84	
Electrical		194	194		01-Jun-24	11-Dec-24	09-Mar-24	18-Sep-24	-84	
06-TPU-5-1270	PFab 1-Line 5 - Electrical Cable Pulling and Termination	180	180	0%	15-Jun-24	11-Dec-24	23-Mar-24	18-Sep-24	-84	
06-TPU-5-1280	PFab 1-Line 5 - Electrical Equipment Installation	180	180	0%	01-Jun-24*	27-Nov-24	09-Mar-24	04-Sep-24	-84	
Instrument		194	194		01-Jun-24	11-Dec-24	09-Mar-24	18-Sep-24	-84	
06-TPU-5-1300	PFab 1-Line 5 - Instrument Cable Pulling and Termination	180	180	0%	15-Jun-24	11-Dec-24	23-Mar-24	18-Sep-24	-84	
06-TPU-5-1310	PFab 1-Line 5 - Instrument Equipment Installation	180	180	0%	01-Jun-24	27-Nov-24	09-Mar-24	04-Sep-24	-84	
06-TPU-5-1320	PFab 1-Line 5 - Instrument Tubing Installation	180	180	0%	01-Jun-24	27-Nov-24	09-Mar-24	04-Sep-24	-84	
Insulation		822	287		04-Jun-22 A	11-Jan-25	21-Nov-23	02-Sep-24	-131	
06-TPU-5-1010	PFab 1-Line 5 - Insulation	822	287	65.09%	04-Jun-22 A	11-Jan-25	21-Nov-23	02-Sep-24	-131	
PFab 1- Line 6		761	302		08-Jul-22 A	26-Jan-25	06-Nov-23	02-Sep-24	-146	
Insulation		761	302		08-Jul-22 A	26-Jan-25	06-Nov-23	02-Sep-24	-146	
06-TPU-6-1010	PFab 1-Line 6 - Insulation	761	302	60.32%	08-Jul-22 A	26-Jan-25	06-Nov-23	02-Sep-24	-146	
Fabrication of Module (FGC)		834	286		25-May-22 A	10-Jan-25	22-Nov-23	18-Sep-24	-114	
PFab 2 - Line 1		681	92		25-May-22 A	30-Jun-24	12-Jun-24	11-Sep-24	73	



3-Month Rolling Programme (March 2024)

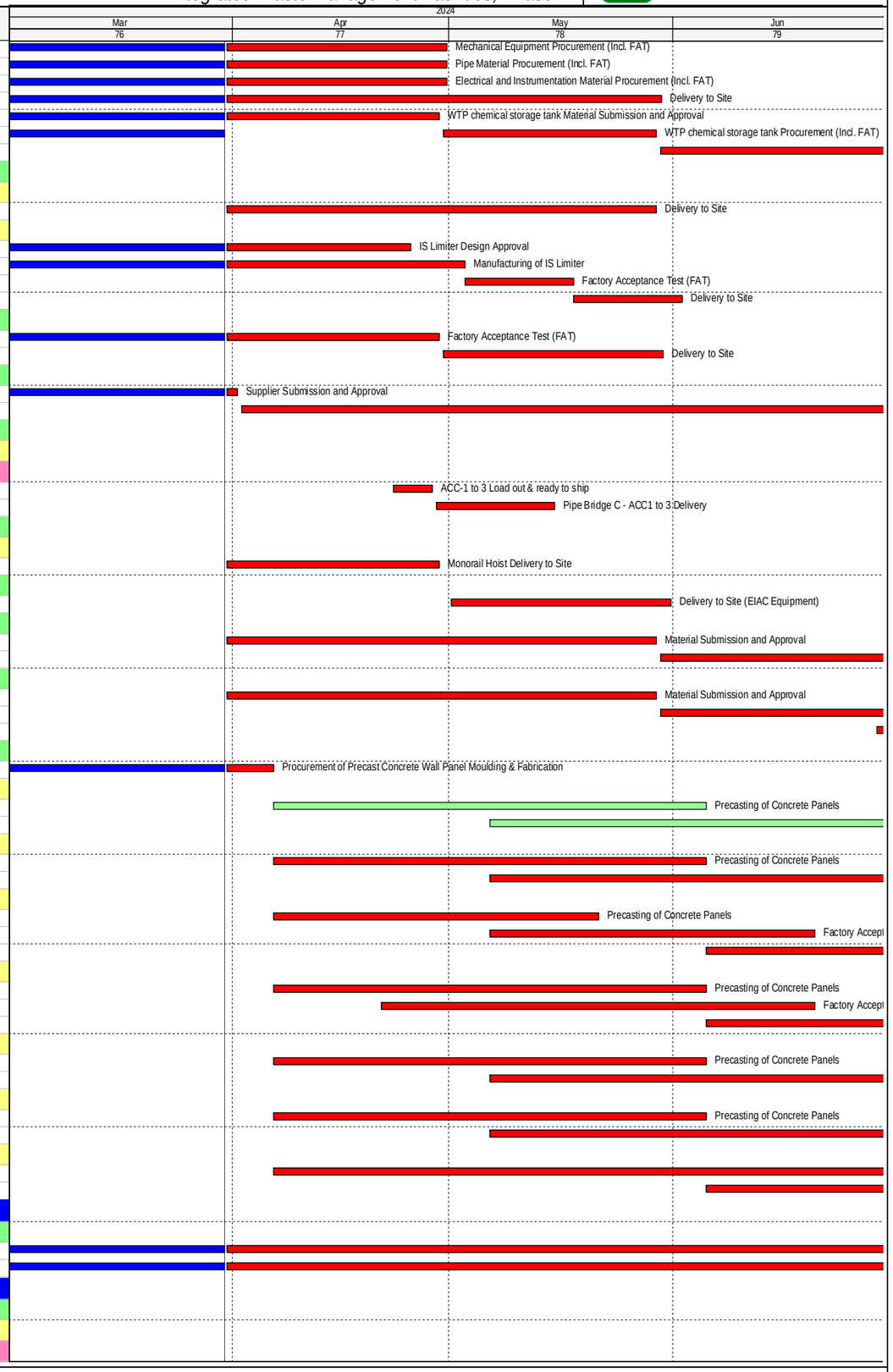
Actual Work | Remaining Work | Critical Remaining Work | Milestone | Actrual Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
E&I Installation		134	16		04-Aug-23 A	15-Apr-24	06-Jul-24	21-Jul-24	97	
Electrical		134	16		04-Aug-23 A	15-Apr-24	06-Jul-24	21-Jul-24	97	
06-FGC-1-1250	PFab 2-Line 1 - Electrical Cable Pulling and Termination	120	16	86.67%	18-Sep-23 A	15-Apr-24	06-Jul-24	21-Jul-24	97	
06-FGC-1-1260	PFab 2-Line 1 - Electrical Equipment Installation	120	1	99.17%	04-Aug-23 A	31-Mar-24	06-Jul-24	06-Jul-24	97	
Instrument		134	16		01-Oct-23 A	15-Apr-24	06-Jul-24	21-Jul-24	97	
06-FGC-1-1280	PFab 2-Line 1 - Instrument Cable Pulling and Termination	120	16	86.67%	01-Oct-23 A	15-Apr-24	06-Jul-24	21-Jul-24	97	
06-FGC-1-1290	PFab 2-Line 1 - Instrument Equipment Installation	120	1	99.17%	05-Nov-23 A	31-Mar-24	06-Jul-24	06-Jul-24	97	
06-FGC-1-1300	PFab 2-Line 1 - Instrument Tubing Installation	120	1	99.17%	01-Oct-23 A	31-Mar-24	06-Jul-24	06-Jul-24	97	
Insulation		666	62		25-May-22 A	31-May-24	12-Jun-24	12-Aug-24	73	
06-FGC-1-1130	PFab 2-Line 1 - Insulation	666	62	90.69%	25-May-22 A	31-May-24	12-Jun-24	12-Aug-24	73	
Precommissioning		17	17		14-Jun-24	30-Jun-24	26-Aug-24	11-Sep-24	73	
06-FGC-1-1190	PFab 2-Line 1 - Pre-commissioning	17	17	0%	14-Jun-24	30-Jun-24	26-Aug-24	11-Sep-24	73	
PFab 2 - Line 2		473	107		10-Feb-23 A	15-Jul-24	28-May-24	11-Sep-24	58	
E&I Installation		134	46		18-Oct-23 A	15-May-24	06-Jun-24	21-Jul-24	67	
Electrical		134	31		18-Oct-23 A	30-Apr-24	06-Jun-24	21-Jul-24	82	
06-FGC-2-1250	PFab 2-Line 2 - Electrical Cable Pulling and Termination	120	31	74.17%	18-Oct-23 A	30-Apr-24	21-Jun-24	21-Jul-24	82	
06-FGC-2-1260	PFab 2-Line 2 - Electrical Equipment Installation	59	16	72.88%	06-Jan-24 A	15-Apr-24	06-Jun-24	21-Jun-24	67	
Instrument		134	46		01-Nov-23 A	15-May-24	06-Jun-24	21-Jul-24	67	
06-FGC-2-1280	PFab 2-Line 2 - Instrument Cable Pulling and Termination	120	46	61.67%	01-Nov-23 A	15-May-24	06-Jun-24	21-Jul-24	67	
06-FGC-2-1290	PFab 2-Line 2 - Instrument Equipment Installation	112	29	74.11%	06-Jan-24 A	28-Apr-24	06-Jun-24	04-Jul-24	67	
06-FGC-2-1300	PFab 2-Line 2 - Instrument Tubing Installation	112	29	74.11%	06-Jan-24 A	28-Apr-24	06-Jun-24	04-Jul-24	67	
Insulation		405	77		10-Feb-23 A	15-Jun-24	28-May-24	12-Aug-24	58	
06-FGC-2-1010	PFab 2-Line 2 - Insulation	405	77	80.99%	10-Feb-23 A	15-Jun-24	28-May-24	12-Aug-24	58	
Precommissioning		29	29		17-Jun-24	15-Jul-24	14-Aug-24	11-Sep-24	58	
06-FGC-2-1020	PFab 2-Line 2 - Pre-commissioning	29	29	0%	17-Jun-24	15-Jul-24	14-Aug-24	11-Sep-24	58	Update OD
PFab 2 - Line 3		201	201		08-Apr-24	25-Oct-24	13-Jan-24	18-Aug-24	-68	
E&I Installation		201	201		08-Apr-24	25-Oct-24	13-Jan-24	18-Aug-24	-68	
Electrical		201	201		08-Apr-24	25-Oct-24	13-Jan-24	18-Aug-24	-68	
06-FGC-3-1250	PFab 2-Line 3 - Electrical Cable Pulling and Termination	180	180	0%	29-Apr-24	25-Oct-24	21-Feb-24	18-Aug-24	-68	
06-FGC-3-1260	PFab 2-Line 3 - Electrical Equipment Installation	180	180	0%	08-Apr-24*	04-Oct-24	13-Jan-24	10-Jul-24	-86	
Instrument		201	201		08-Apr-24	25-Oct-24	13-Jan-24	31-Jul-24	-86	
06-FGC-3-1280	PFab 2-Line 3 - Instrument Cable Pulling and Termination	180	180	0%	29-Apr-24	25-Oct-24	03-Feb-24	31-Jul-24	-86	
06-FGC-3-1290	PFab 2-Line 3 - Instrument Equipment Installation	180	180	0%	08-Apr-24	04-Oct-24	13-Jan-24	10-Jul-24	-86	
06-FGC-3-1300	PFab 2-Line 3 - Instrument Tubing Installation	180	180	0%	08-Apr-24	04-Oct-24	13-Jan-24	10-Jul-24	-86	
PFab 2 - Line 4		194	194		01-May-24	10-Nov-24	20-Jan-24	18-Aug-24	-84	
E&I Installation		194	194		01-May-24	10-Nov-24	20-Jan-24	18-Aug-24	-84	
Electrical		194	194		01-May-24	10-Nov-24	20-Jan-24	18-Aug-24	-84	
06-FGC-4-1250	PFab 2-Line 4 - Electrical Cable Pulling and Termination	180	180	0%	15-May-24	10-Nov-24	21-Feb-24	18-Aug-24	-84	
06-FGC-4-1260	PFab 2-Line 4 - Electrical Equipment Installation	180	180	0%	01-May-24*	27-Oct-24	20-Jan-24	17-Jul-24	-102	
Instrument		194	194		01-May-24	10-Nov-24	20-Jan-24	31-Jul-24	-102	
06-FGC-4-1280	PFab 2-Line 4 - Instrument Cable Pulling and Termination	180	180	0%	15-May-24	10-Nov-24	03-Feb-24	31-Jul-24	-102	
06-FGC-4-1290	PFab 2-Line 4 - Instrument Equipment Installation	180	180	0%	01-May-24	27-Oct-24	20-Jan-24	17-Jul-24	-102	
06-FGC-4-1300	PFab 2-Line 4 - Instrument Tubing Installation	180	180	0%	01-May-24	27-Oct-24	20-Jan-24	17-Jul-24	-102	
PFab 2 - Line 5		770	286		30-Jun-22 A	10-Jan-25	22-Nov-23	18-Sep-24	-114	
E&I Installation		194	194		01-Jun-24	11-Dec-24	09-Mar-24	18-Sep-24	-84	
Electrical		194	194		01-Jun-24	11-Dec-24	09-Mar-24	18-Sep-24	-84	
06-FGC-5-1250	PFab 2-Line 5 - Electrical Cable Pulling and Termination	180	180	0%	15-Jun-24	11-Dec-24	23-Mar-24	18-Sep-24	-84	
06-FGC-5-1260	PFab 2-Line 5 - Electrical Equipment Installation	180	180	0%	01-Jun-24*	27-Nov-24	09-Mar-24	04-Sep-24	-84	
Instrument		194	194		01-Jun-24	11-Dec-24	09-Mar-24	18-Sep-24	-84	
06-FGC-5-1280	PFab 2-Line 5 - Instrument Cable Pulling and Termination	180	180	0%	15-Jun-24	11-Dec-24	23-Mar-24	18-Sep-24	-84	
06-FGC-5-1290	PFab 2-Line 5 - Instrument Equipment Installation	180	180	0%	01-Jun-24	27-Nov-24	09-Mar-24	04-Sep-24	-84	
06-FGC-5-1300	PFab 2-Line 5 - Instrument Tubing Installation	180	180	0%	01-Jun-24	27-Nov-24	09-Mar-24	04-Sep-24	-84	
Insulation		736	286		30-Jun-22 A	10-Jan-25	22-Nov-23	02-Sep-24	-130	
06-FGC-5-1200	PFab 2-Line 5 - Insulation	736	286	61.14%	30-Jun-22 A	10-Jan-25	22-Nov-23	02-Sep-24	-130	
Off-site Fabrication of Turbine Modules		30	30		25-Apr-24	24-May-24	14-Nov-23	13-Dec-23	-163	
Fabrication of Module (Power Island)		30	30		25-Apr-24	24-May-24	14-Nov-23	13-Dec-23	-163	
Turbine Module 2		30	30		25-Apr-24	24-May-24	14-Nov-23	13-Dec-23	-163	
06-4280(6)	Turbine Module 2 - Delivery	30	30	0%	25-Apr-24*	24-May-24	14-Nov-23	13-Dec-23	-163	Update OD
Turbine Module 3		30	30		25-Apr-24	24-May-24	14-Nov-23	13-Dec-23	-163	
06-4480(6)	Turbine Module 3 - Delivery	30	30	0%	25-Apr-24	24-May-24	14-Nov-23	13-Dec-23	-163	Update OD
Procurement for ACC Units		84	53		06-Dec-23 A	22-May-24	18-Nov-23	23-Jan-24	-120	
06-1150	Factory Acceptance Test (FAT) for ACC-3	16	16	0%	30-Mar-24 A	15-Apr-24	02-Dec-23	17-Dec-23	-120	Update Actual Start Date
06-1160	Delivery to Site ACC-1	11	9	18.18%	06-Dec-23 A	08-Apr-24	18-Nov-23	26-Nov-23	-134	
06-1170	Delivery to Site ACC-2	21	21	0%	04-Apr-24	24-Apr-24	04-Dec-23	24-Dec-23	-122	
06-1190	Delivery to Site ACC-3	21	21	0%	02-May-24	22-May-24	03-Jan-24	23-Jan-24	-120	
Procurement for CCCW Building Equipment		38	38		08-Apr-24	15-May-24	31-Dec-23	06-Feb-24	-99	
06-1420-1(1)	Delivery to Site	38	38	0%	08-Apr-24	15-May-24	31-Dec-23	06-Feb-24	-99	Update OD
Procurement for Mechanical Treatment Plant Building Plant Equipment		61	61		31-Mar-24	30-May-24	19-Mar-24	18-May-24	-12	
06-1180	Delivery to Site	61	61	0%	31-Mar-24	30-May-24	19-Mar-24	18-May-24	-12	
Procurement for Wastewater Treatment Plant Equipment		518	92		01-Sep-22 A	30-Jun-24	06-Feb-24	07-May-24	-54	
06-1200-1(1)	Mechanical Equipment Procurement (Incl. FAT)	210	62	70.48%	01-Sep-22 A	31-May-24	06-Feb-24	07-Apr-24	-54	
06-1200-2(1)	Pipe Material Procurement (Incl. FAT)	210	62	70.48%	01-Sep-22 A	31-May-24	06-Feb-24	07-Apr-24	-54	
06-1200-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)	210	62	70.48%	01-Sep-22 A	31-May-24	06-Feb-24	07-Apr-24	-54	
06-1220	Delivery to Site	90	90	0%	15-Jan-24 A	30-Jun-24	08-Feb-24	07-May-24	-54	Update Actual Start Date
Procurement for Desal & Demin Plant Equipment		584	120		21-Apr-22 A	28-Jul-24	13-Dec-23	11-Apr-24	-108	



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

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
06-1240-1(1)	Mechanical Equipment Procurement (Incl. FAT)	576	31	94.62%	01-Jun-22 A	30-Apr-24	12-Jan-24	11-Feb-24	-79	
06-1240-2(1)	Pipe Material Procurement (Incl. FAT)	150	31	79.33%	01-Sep-22 A	30-Apr-24	12-Jan-24	11-Feb-24	-79	
06-1240-3(1)	Electrical and Instrumentation Material Procurement (Incl. FAT)	60	31	48.33%	01-Sep-22 A	30-Apr-24	12-Jan-24	11-Feb-24	-79	
06-1260	Delivery to Site	55	60	0%	15-Feb-24 A	30-May-24	13-Dec-23	11-Feb-24	-108	
06-1260-1(M55)	WTP chemical storage tank Material Submission and Approval	120	30	75%	21-Apr-22 A	29-Apr-24	14-Dec-23	12-Jan-24	-108	
06-1260-2(M55)	WTP chemical storage tank Procurement (Incl. FAT)	180	30	83.33%	22-Apr-22 A	29-May-24	13-Jan-24	11-Feb-24	-108	
06-1260-3(M55)	Chemical storage tank delivery to Site	60	60	0%	30-May-24	28-Jul-24	12-Feb-24	11-Apr-24	-108	
Procurement for HV Transformers and Associated Equipment		215	63		01-Jan-23 A	02-Jun-24	14-Dec-23	26-Feb-24	-96	
Procurement of EDG		60	60		31-Mar-24	29-May-24	14-Dec-23	11-Feb-24	-108	
06-1300	Delivery to Site	60	60	0%	31-Mar-24	29-May-24	14-Dec-23	11-Feb-24	-108	
Procurement of IS Limiter		215	63		01-Jan-23 A	02-Jun-24	25-Dec-23	26-Feb-24	-96	
06-1270(7)	IS Limiter Design Approval	4	26	0%	01-Jan-23 A	25-Apr-24	02-Jan-24	27-Jan-24	-89	
06-1280(7)	Manufacturing of IS Limiter	90	33	63.33%	31-Dec-23 A	03-May-24	25-Dec-23	27-Jan-24	-96	
06-1290(7)	Factory Acceptance Test (FAT)	15	15	0%	03-May-24	18-May-24	28-Jan-24	11-Feb-24	-96	
06-1300(7)	Delivery to Site	15	15	0%	18-May-24	02-Jun-24	12-Feb-24	26-Feb-24	-96	
Procurement for Control SCADA Systems		92	61		30-Nov-23 A	30-May-24	01-Jan-24	01-Mar-24	-90	
06-1330	Factory Acceptance Test (FAT)	30	30	0%	30-Nov-23 A	29-Apr-24	01-Jan-24	30-Jan-24	-90	
06-1340	Delivery to Site	31	31	0%	30-Apr-24	30-May-24	31-Jan-24	01-Mar-24	-90	Update OD
Procurement for Onshore Crane at Berth		607	182		04-Dec-22 A	28-Sep-24	14-Dec-23	12-Jun-24	-108	
06-1350	Supplier Submission and Approval	60	2	96.67%	04-Dec-22 A	01-Apr-24	14-Dec-23	15-Dec-23	-108	
06-1360	Material & Equipment Procurement	180	180	0%	02-Apr-24	28-Sep-24	16-Dec-23	12-Jun-24	-108	
Procurement and Off-site Fabrication of Pipe Bridges (Incl. Pipings)		23	23		23-Apr-24	15-May-24	05-Feb-24	27-Feb-24	-78	
Fabrication of Pipe Bridge C		23	23		23-Apr-24	15-May-24	05-Feb-24	27-Feb-24	-78	
Pipe Bridge C between Turbine Hall & ACC -3		23	23		23-Apr-24	15-May-24	05-Feb-24	27-Feb-24	-78	
06-5520(6)	ACC-1 to 3 Load out & ready to ship	6	6	0%	23-Apr-24*	28-Apr-24	05-Feb-24	10-Feb-24	-78	
06-5530(6)	Pipe Bridge C - ACC1 to 3 Delivery	17	17	0%	29-Apr-24	15-May-24	11-Feb-24	27-Feb-24	-78	
Procurement for Cranage Equipment		30	30		31-Mar-24	29-Apr-24	08-Feb-24	08-Mar-24	-52	
Hoist System		30	30		31-Mar-24	29-Apr-24	08-Feb-24	08-Mar-24	-52	
06-8330(M57)	Monorail Hoist Delivery to Site	30	30	0%	31-Mar-24	29-Apr-24	08-Feb-24	08-Mar-24	-52	
Procurement for Weighbridge System		31	31		01-May-24	31-May-24	01-May-24	31-May-24	0	
06-2240(1)	Delivery to Site (EIAC Equipment)	31	31	0%	01-May-24	31-May-24	01-May-24	31-May-24	0	
Procurement for Truck Wash System		150	150		31-Mar-24	27-Aug-24	12-Mar-24	08-Aug-24	-19	
06-2290(1)	Material Submission and Approval	60	60	0%	31-Mar-24	29-May-24	12-Mar-24	10-May-24	-19	
06-2300(1)	Material & Equipment Procurement	90	90	0%	30-May-24	27-Aug-24	11-May-24	08-Aug-24	-19	
Procurement for Curtain Wall Materials		210	210		31-Mar-24	26-Oct-24	16-Jan-24	12-Aug-24	-75	
06-8200(6D)	Material Submission and Approval	60	60	0%	31-Mar-24	29-May-24	16-Jan-24	15-Mar-24	-75	
06-8210(6D)	Material & Equipment Procurement	120	120	0%	30-May-24	26-Sep-24	16-Mar-24	13-Jul-24	-75	
06-8220(6D)	Factory Acceptance Test (FAT)	120	120	0%	29-Jun-24	26-Oct-24	15-Apr-24	12-Aug-24	-75	
Off-site Precasting of Facade Panels		524	127		14-Feb-23 A	04-Aug-24	12-Dec-23	28-Aug-24	24	
06-8040(6D)	Procurement of Precast Concrete Wall Panel Moulding & Fabrication	205	7	96.59%	14-Feb-23 A	06-Apr-24	12-Dec-23	18-Dec-23	-110	
IWMF Substation		90	90		06-Apr-24	05-Jul-24	31-May-24	28-Aug-24	54	
06-8070(6D)	Precasting of Concrete Panels	60	60	0%	06-Apr-24	05-Jun-24	31-May-24	29-Jul-24	54	
06-8080(6D)	Factory Acceptance Test (FAT)	60	60	0%	06-May-24	05-Jul-24	30-Jun-24	28-Aug-24	54	
Elevated Drive Way		90	90		06-Apr-24	05-Jul-24	08-Feb-24	07-May-24	-59	
06-8100	Precasting of Concrete Panels	60	60	0%	06-Apr-24	05-Jun-24	08-Feb-24	07-Apr-24	-59	
06-8110	Factory Acceptance Test (FAT)	60	60	0%	06-May-24	05-Jul-24	09-Mar-24	07-May-24	-59	
Turbine Hall		90	90		06-Apr-24	05-Jul-24	09-Jan-24	07-Apr-24	-89	
06-8130	Precasting of Concrete Panels	45	45	0%	06-Apr-24	21-May-24	09-Jan-24	22-Feb-24	-89	
06-8140	Factory Acceptance Test (FAT)	45	45	0%	06-May-24	20-Jun-24	08-Feb-24	23-Mar-24	-89	
06-8150	Delivery to Site	30	30	0%	05-Jun-24	05-Jul-24	09-Mar-24	07-Apr-24	-89	
Process Building		90	90		06-Apr-24	05-Jul-24	09-Jan-24	07-Apr-24	-89	
06-8160	Precasting of Concrete Panels	60	60	0%	06-Apr-24	05-Jun-24	09-Jan-24	08-Mar-24	-89	
06-8170	Factory Acceptance Test (FAT)	60	60	0%	21-Apr-24	20-Jun-24	24-Jan-24	23-Mar-24	-89	
06-8180	Delivery to Site	30	30	0%	05-Jun-24	05-Jul-24	09-Mar-24	07-Apr-24	-89	
Mechanical Treatment Plant		90	90		06-Apr-24	05-Jul-24	05-Mar-24	02-Jun-24	-33	
06-8190	Precasting of Concrete Panels	60	60	0%	06-Apr-24	05-Jun-24	05-Mar-24	03-May-24	-33	
06-8200	Factory Acceptance Test (FAT)	60	60	0%	06-May-24	05-Jul-24	04-Apr-24	02-Jun-24	-33	
Administration Building		90	90		06-Apr-24	05-Jul-24	19-Dec-23	17-Mar-24	-110	
06-8250	Precasting of Concrete Panels	60	60	0%	06-Apr-24	05-Jun-24	19-Dec-23	16-Feb-24	-110	
06-8260	Factory Acceptance Test (FAT)	60	60	0%	06-May-24	05-Jul-24	18-Jan-24	17-Mar-24	-110	
Chimney		120	120		06-Apr-24	04-Aug-24	16-Jan-24	14-May-24	-82	
06-8280	Steel Claddings Fabrication	90	90	0%	06-Apr-24	05-Jul-24	16-Jan-24	14-Apr-24	-82	change dur to 90
06-8290	Factory Acceptance Test (FAT)	60	60	0%	05-Jun-24	04-Aug-24	16-Mar-24	14-May-24	-82	
Environmental Works		365	305		01-Feb-24 A	29-Jan-25	31-Jan-24	30-Nov-24	-60	
Baseline Air Quality Monitoring Works		365	305		01-Feb-24 A	29-Jan-25	31-Jan-24	30-Nov-24	-60	
07-1220	Carry out baseline Air Quality monitoring at Portion 3 (Alternative Location)	365	305	16.44%	01-Feb-24 A	29-Jan-25	31-Jan-24	30-Nov-24	-60	Update Actual Start Date
07-1240	Carry out baseline Air Quality monitoring at Portion 5	365	305	16.44%	01-Feb-24 A	29-Jan-25	31-Jan-24	30-Nov-24	-60	Update Actual Start Date
Maritime Works		1793	210		30-Nov-19 A	26-Oct-24	18-Dec-23	09-Jun-25	226	
Marine Construction		1793	210		30-Nov-19 A	26-Oct-24	18-Dec-23	09-Jun-25	226	
Phase I - Construction of Perimeter Seawalls		1793	210		30-Nov-19 A	26-Oct-24	18-Dec-23	09-Jun-25	226	
Seawall and Berth at DCM Area		1793	210		30-Nov-19 A	26-Oct-24	18-Dec-23	23-Jul-24	-95	

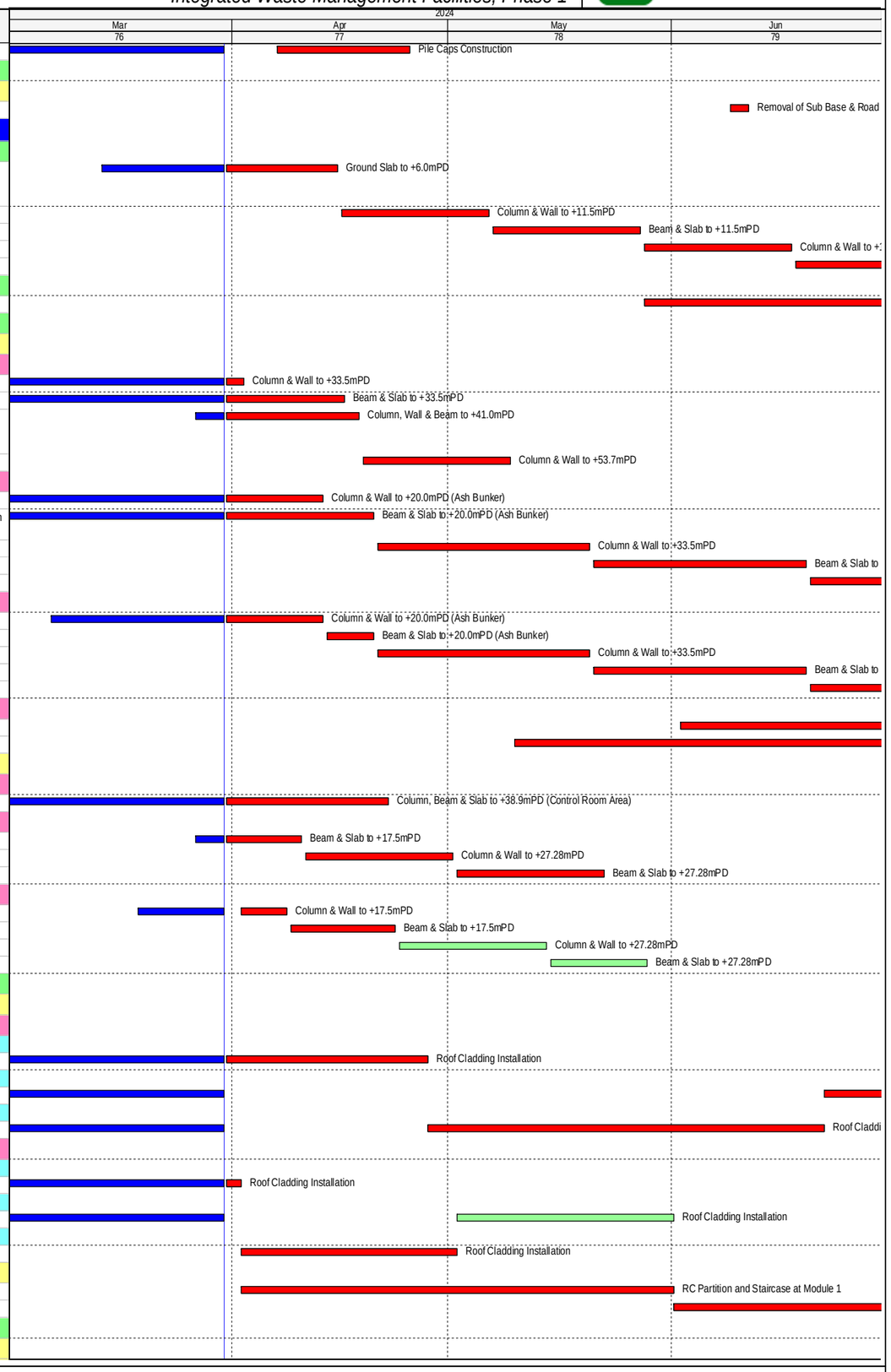


Actual Work | Remaining Work | Critical Remaining Work | Milestone | Actrual Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
Seawall Structural Works		1793	210		30-Nov-19 A	26-Oct-24	18-Dec-23	23-Jul-24	-95	
08-1115(3)	Caisson infill, Solid ballast, toe protection, precast concrete blocks ..etc Laying	250	18	93%	30-Nov-19 A	17-Apr-24	08-Mar-24	25-Mar-24	-23	
Remain Works		1113	210		10-Oct-21 A	26-Oct-24	18-Dec-23	23-Jul-24	-95	
08-1120	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall A	220	63	71.45%	10-Oct-21 A	01-Jun-24	22-Feb-24	24-Apr-24	-38	
08-1120-1(6)	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B	220	12	94.55%	10-Oct-21 A	11-Apr-24	13-Apr-24	24-Apr-24	13	
08-1120-2(M55)	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B No. C1 & C2 (Caisson A2 & A	60	21	65%	28-Jun-23 A	20-Apr-24	31-Mar-24	20-Apr-24	0	
08-1120-4(M55)	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B No. C73 & C73C1	60	25	58.33%	01-Dec-23 A	25-Apr-24	18-Dec-23	12-Jan-24	-103	
08-1320(6)	Construction of Rear Wall Buttress & Panel for Seawall A	180	180	0%	30-Apr-24	26-Oct-24	26-Jan-24	23-Jul-24	-95	
Seawall at Dredging Area		160	12		11-Jul-22 A	11-Apr-24	29-May-25	09-Jun-25	424	
Remain Works		160	12		11-Jul-22 A	11-Apr-24	29-May-25	09-Jun-25	424	
08-1170	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level (Bay 1 to Bay 8)	160	12	92.5%	11-Jul-22 A	11-Apr-24	29-May-25	09-Jun-25	424	
Phase II - Reclamation, Breakwater and Berth Construction		543	180		22-Mar-23 A	26-Sep-24	02-Jan-24	18-Aug-24	-39	
Reclamation		65	65		25-May-24	28-Jul-24	28-Feb-24	02-May-24	-87	
Reclamation Works		65	65		25-May-24	28-Jul-24	28-Feb-24	02-May-24	-87	
Surcharge Filling		5	5		25-May-24	29-May-24	28-Feb-24	03-Mar-24	-87	
08-3060-2(M57)	Fill up +7.5 to +15mPD at West Edge Area (Area 7B2) (30,700m3 @ 2500m3/d)	5	5	0%	25-May-24	29-May-24	28-Feb-24	03-Mar-24	-87	
Surcharge Period		60	60		30-May-24	28-Jul-24	04-Mar-24	02-May-24	-87	
08-3120-3(M57)	Loading @ +12mPD at West Edge Area (Area 7B2)	60	60	0%	30-May-24	28-Jul-24	04-Mar-24	02-May-24	-87	
Seawall and Berth at Marine Access		543	180		22-Mar-23 A	26-Sep-24	02-Jan-24	18-Aug-24	-39	
Remain Works		30	30		31-Mar-24	29-Apr-24	26-Mar-24	24-Apr-24	-5	
08-1330(2)	Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level	30	30	0%	31-Mar-24	29-Apr-24	26-Mar-24	24-Apr-24	-5	
Seawater Intake Structure		90	11		22-Mar-23 A	10-Apr-24	02-Jan-24	12-Jan-24	-89	
08-2400(6D)	Construction of Seawater Intake	90	11	87.78%	22-Mar-23 A	10-Apr-24	02-Jan-24	12-Jan-24	-89	
Fire Boat Access		120	120		30-May-24	26-Sep-24	21-Apr-24	18-Aug-24	-39	
08-2500(6D)	Construction of Fire Boat Access	120	120	0%	30-May-24	26-Sep-24	21-Apr-24	18-Aug-24	-39	
Mooring Dolphins		90	90		30-May-24	27-Aug-24	25-Apr-24	23-Jul-24	-35	
09-4000(6G)	Mooring Dolphins Piling Works	90	90	0%	30-May-24*	27-Aug-24	25-Apr-24	23-Jul-24	-35	
Foundation Works		301	91		05-Aug-23 A	29-Jun-24	28-Nov-23	31-Jul-24	32	
Administration & Viewing Gallery Bld Foundation		90	7		17-Aug-23 A	07-Apr-24	12-Jan-24	19-Jan-24	-78	
Administration & Viewing Gallery Bld Pile Caps Construction		90	7		17-Aug-23 A	07-Apr-24	12-Jan-24	19-Jan-24	-78	
09-1110	Pile Caps Construction	90	7	92.22%	17-Aug-23 A	07-Apr-24	12-Jan-24	19-Jan-24	-78	
Sky Deck Foundation		58	58		31-Mar-24	27-May-24	13-Dec-23	08-Feb-24	-109	
Sky Deck Pile Caps Construction		58	58		31-Mar-24	27-May-24	13-Dec-23	08-Feb-24	-109	
09-2730(M62)	Excavation to Pile Cap Formation	21	21	0%	31-Mar-24	20-Apr-24	13-Dec-23	02-Jan-24	-109	
09-2740(M62)	Pile Cut-off & Capping Plate (2 Welders @ 2nr/d)	21	21	0%	07-Apr-24	27-Apr-24	20-Dec-23	09-Jan-24	-109	
09-2750(M62)	Pile Caps Construction	30	30	0%	28-Apr-24	27-May-24	10-Jan-24	08-Feb-24	-109	Change duration to 30d
Process Building - Waste Bunker & Tipping Hall Bld Foundation		301	91		05-Aug-23 A	29-Jun-24	16-Dec-23	31-Jul-24	32	
Process Building Pile Cap Construction		301	91		05-Aug-23 A	29-Jun-24	16-Dec-23	31-Jul-24	32	
Pile Cap Stage 3 (Module 3 Between Grid PB22 to PB32)		26	2		05-Aug-23 A	02-Apr-24	16-Dec-23	18-Dec-23	-106	
Process Building (Module 3) WWTP		26	2		05-Aug-23 A	02-Apr-24	16-Dec-23	18-Dec-23	-106	
09-1260	Pile Caps and Raft Foundation Construction (60m x 24m 4set@100m2/7day)	26	2	92%	05-Aug-23 A	02-Apr-24	16-Dec-23	18-Dec-23	-106	
Pile Cap Stage 4 (Haul Road Area)		60	60		01-May-24	29-Jun-24	02-Jun-24	31-Jul-24	32	
09-2800(7)	Pile Cap and Base Slab Construction Between Grid PB11 to PB12	60	60	0%	01-May-24*	29-Jun-24	02-Jun-24	31-Jul-24	32	
09-3810(7)	Pile Cap and Base Slab Construction Between Grid PB21 to PB22	60	60	0%	01-May-24	29-Jun-24*	02-Jun-24	31-Jul-24	32	
ACC Equipment Foundation		201	51		01-Oct-23 A	20-May-24	28-Nov-23	17-Jan-24	-124	
ACC Pile Cap Construction		196	32		01-Oct-23 A	02-May-24	28-Nov-23	30-Dec-23	-124	
09-1710-1(M58)	Excavation to Pile Caps formation and construction (Module 2 & 3)	30	6	80%	01-Oct-23 A	05-Apr-24	28-Nov-23	03-Dec-23	-124	
09-1710-2(M58)	Tie Beams & Slab Construction (Module 2 & 3 @+6.5mPD)	30	26	13.33%	01-Nov-23 A	02-May-24	04-Dec-23	30-Dec-23	-124	
ACC Equipment Structure		45	45		06-Apr-24	20-May-24	04-Dec-23	17-Jan-24	-124	
09-1720-1(M58)	Base Slab Construction (Module 2 & 3 @+6.5mPD)	45	45	0%	06-Apr-24	20-May-24	04-Dec-23	17-Jan-24	-124	
Mechanical Treatment Plant & Water Treatment Plant Bld Foundation		223	31		14-Oct-23 A	30-Apr-24	18-Dec-23	25-Jan-24	-96	
Mechanical Treatment Plant & Water Treatment Plant Bld Pile Cap Construction		223	31		14-Oct-23 A	30-Apr-24	18-Dec-23	25-Jan-24	-96	
Mechanical Treatment Plant Pile Cap Construction		78	31		22-Jan-24 A	30-Apr-24	26-Dec-23	25-Jan-24	-96	
09-1920	Excavation to Pile Cap Formation	39	12	69.23%	22-Jan-24 A	15-Apr-24	14-Jan-24	25-Jan-24	-81	Update Actual Start Date
09-1930	Pile Cut-off & Capping Plate (410nrs, @20/d)	21	21	0%	01-Feb-24 A	20-Apr-24	05-Jan-24	25-Jan-24	-86	Update Actual Start Date
09-1940	Pile Caps Construction	60	31	48.33%	21-Mar-24 A	30-Apr-24	26-Dec-23	25-Jan-24	-96	Update Actual Start Date
Water Treatment Plant Pile Cap Construction		84	16		14-Oct-23 A	15-Apr-24	18-Dec-23	03-Jan-24	-104	
09-1950	Excavation to Pile Cap Formation	28	3	90%	14-Oct-23 A	02-Apr-24	18-Dec-23	20-Dec-23	-104	
09-1970	Pile Caps Construction	60	10	83.17%	30-Oct-23 A	15-Apr-24	23-Dec-23	03-Jan-24	-104	
Elevated Drive Way and Associated Structures Foundation		81	31		06-Dec-23 A	30-Apr-24	06-Dec-23	23-Feb-24	-67	
Elevated Drive Way Pile Cap Construction		81	31		06-Dec-23 A	30-Apr-24	06-Dec-23	23-Feb-24	-67	
Elevated Drive Way RSA to RSG		68	31		04-Jan-24 A	30-Apr-24	08-Dec-23	07-Jan-24	-114	
09-2060(M57)	Pile Cut-off & Capping Plate	30	24	20%	04-Jan-24 A	23-Apr-24	08-Dec-23	31-Dec-23	-114	
09-2070(M57)	Pile Caps Construction	61	31	49.3%	12-Jan-24 A	30-Apr-24	08-Dec-23	07-Jan-24	-114	
Elevated Drive Way RSG to RSU		28	26		20-Jan-24 A	25-Apr-24	29-Jan-24	23-Feb-24	-62	
09-2740(M57)	Excavation to Pile Cap Formation	14	11	20%	20-Jan-24 A	11-Apr-24	29-Jan-24	09-Feb-24	-62	
09-2750(M57)	Pile Cut-off & Capping Plate	14	11	20%	25-Jan-24 A	18-Apr-24	05-Feb-24	16-Feb-24	-62	
09-2760(M57)	Pile Caps Construction	21	19	10%	05-Feb-24 A	25-Apr-24	05-Feb-24	23-Feb-24	-62	
Elevated Drive Way RSU to RSAF		51	26		06-Dec-23 A	25-Apr-24	06-Dec-23	31-Dec-23	-116	
09-2710(M57)	Excavation to Pile Cap Formation	30	12	60%	06-Dec-23 A	11-Apr-24	06-Dec-23	17-Dec-23	-116	Remove Actual Finish Date
09-2720(M57)	Pile Cut-off & Capping Plate	30	17	43.33%	18-Dec-23 A	18-Apr-24	08-Dec-23	24-Dec-23	-116	Remove Actual Finish Date

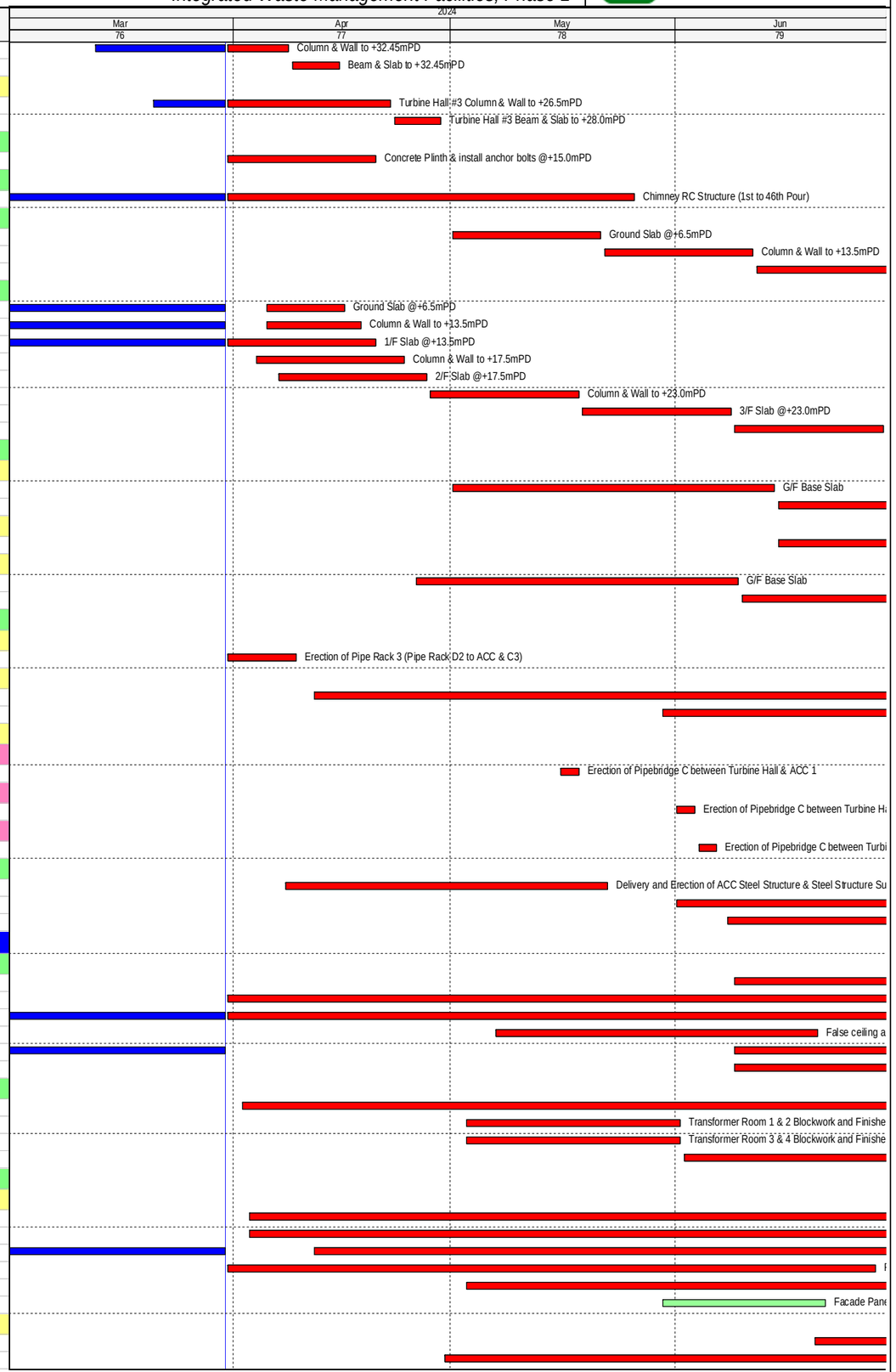
Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
09-2730(M57)	Pile Caps Construction	21	19	9.52%	30-Dec-23 A	25-Apr-24	13-Dec-23	31-Dec-23	-116	Remove Actual Finish Date
Heavy Load Access		3	3		09-Jun-24	11-Jun-24	24-Feb-24	26-Feb-24	-106	
Demolition		3	3		09-Jun-24	11-Jun-24	24-Feb-24	26-Feb-24	-106	
09-3040(6D)	Removal of Sub Base & Road Base & Foundation Works (Stage 3)	3	3	0%	09-Jun-24	11-Jun-24	24-Feb-24	26-Feb-24	-106	
Superstructure Works		489	153		21-Aug-23 A	30-Aug-24	11-Oct-23	04-Jul-24	-57	
Administration & Viewing Gallery Bld Structure		100	100		14-Mar-24 A	08-Jul-24	04-Jan-24	12-Apr-24	-87	
10-1000	Ground Slab to +6.0mPD	21	16	23.81%	14-Mar-24 A	15-Apr-24	04-Jan-24	19-Jan-24	-87	Change Relationship from Predecessor 09-1110 FS7 to FF0; Update Actual Start Date
10-1010	Column & Wall to +11.5mPD	21	21	0%	16-Apr-24	06-May-24	20-Jan-24	09-Feb-24	-87	
10-1020	Beam & Slab to +11.5mPD	21	21	0%	07-May-24	27-May-24	10-Feb-24	01-Mar-24	-87	
10-1030	Column & Wall to +17.0mPD	21	21	0%	28-May-24	17-Jun-24	02-Mar-24	22-Mar-24	-87	
10-1040	Beam & Slab to +17.0mPD	21	21	0%	18-Jun-24	08-Jul-24	23-Mar-24	12-Apr-24	-87	
Sky Deck Structure		60	60		28-May-24	26-Jul-24	09-Feb-24	08-Apr-24	-109	
10-2310 (M55)	Construction of RC Column (16nr, 0.9m Dia x 11m, 3 pours @ 5d/pour with 4 formwork sets)	60	60	0%	28-May-24	26-Jul-24	09-Feb-24	08-Apr-24	-109	
Process Building - Waste Bunker & Tipping Hall Bld Structure		319	153		26-Aug-23 A	30-Aug-24	11-Oct-23	03-Jun-24	-88	
Waste & Ash Bunker Bld Structure		319	153		26-Aug-23 A	30-Aug-24	13-Oct-23	10-May-24	-112	
Process Building (Module 1) Waste & Ash Bunker Bld Structure		131	40		24-Dec-23 A	09-May-24	01-Nov-23	11-Dec-23	-150	
10-1150	Column & Wall to +33.5mPD	30	3	90%	24-Dec-23 A	02-Apr-24	03-Nov-23	06-Nov-23	-148	
10-1170	Beam & Slab to +33.5mPD	30	17	43.33%	29-Dec-23 A	16-Apr-24	03-Nov-23	20-Nov-23	-148	
10-1180	Column, Wall & Beam to +41.0mPD	21	19	9.52%	27-Mar-24 A	18-Apr-24	01-Nov-23	20-Nov-23	-150	Update Actual Start Date; Change Relationship on Predecessor from FS0 to FF0
10-1190	Column & Wall to +53.7mPD	21	21	0%	19-Apr-24	09-May-24	20-Nov-23	11-Dec-23	-150	
Process Building (Module 2) Waste & Ash Bunker Bld Structure		268	102		26-Aug-23 A	10-Jul-24	13-Oct-23	27-Jan-24	-165	
10-1230	Column & Wall to +20.0mPD (Ash Bunker)	17	14	17.65%	26-Aug-23 A	13-Apr-24	20-Oct-23	02-Nov-23	-163	
10-1250	Beam & Slab to +20.0mPD (Ash Bunker)	14	21	0%	10-Jan-24 A	20-Apr-24	13-Oct-23	02-Nov-23	-170	Change Relationship on Predecessor from FS0 to FF0
10-1260	Column & Wall to +33.5mPD	30	30	0%	21-Apr-24	20-May-24	08-Nov-23	07-Dec-23	-165	
10-1280	Beam & Slab to +33.5mPD	30	30	0%	21-May-24	19-Jun-24	08-Dec-23	06-Jan-24	-165	
10-1290	Column, Wall & Beam to +41.0mPD	21	21	0%	20-Jun-24	10-Jul-24	07-Jan-24	27-Jan-24	-165	
Process Building (Module 3) Waste & Ash Bunker Bld Structure		102	102		07-Mar-24 A	10-Jul-24	15-Oct-23	04-Feb-24	-157	
10-1340	Column & Wall to +20.0mPD (Ash Bunker)	14	14	0%	07-Mar-24 A	13-Apr-24	15-Oct-23	28-Oct-23	-168	
10-1360	Beam & Slab to +20.0mPD (Ash Bunker)	7	7	0%	14-Apr-24	20-Apr-24	29-Oct-23	04-Nov-23	-168	
10-1370	Column & Wall to +33.5mPD	30	30	0%	21-Apr-24	20-May-24	05-Nov-23	04-Dec-23	-168	
10-1390	Beam & Slab to +33.5mPD	30	30	0%	21-May-24	19-Jun-24	16-Dec-23	14-Jan-24	-157	
10-1400	Column, Wall & Beam to +41.0mPD	21	21	0%	20-Jun-24	10-Jul-24	15-Jan-24	04-Feb-24	-157	
Process Building Waste & Ash Bunker Bld Structural Steel Roof		113	113		10-May-24	30-Aug-24	22-Dec-23	10-May-24	-112	
10-2080	Structural Steel Roof Erection	90	90	0%	02-Jun-24	30-Aug-24	11-Feb-24	10-May-24	-112	
10-2330 (M63)	Facade Structural Frame Installation at Module 1	60	60	0%	10-May-24	08-Jul-24	22-Dec-23	19-Feb-24	-140	
Tipping Hall Bld Structure		59	59		08-Feb-24 A	28-May-24	11-Oct-23	03-Jun-24	6	
Process Building (Module 1) Tipping Hall Bld Structure		35	23		08-Feb-24 A	22-Apr-24	11-Dec-23	02-Jan-24	-111	
10-1540(7)	Column, Beam & Slab to +38.9mPD (Control Room Area)	35	23	34.29%	08-Feb-24 A	22-Apr-24	11-Dec-23	02-Jan-24	-111	
Process Building (Module 2)Tipping Hall Bld Structure		42	53		27-Mar-24 A	22-May-24	11-Oct-23	02-Dec-23	-172	
10-1500	Beam & Slab to +17.5mPD	14	11	21.43%	27-Mar-24 A	10-Apr-24	11-Oct-23	21-Oct-23	-172	Update Actual Start Date
10-1510	Column & Wall to +27.28mPD	21	21	0%	11-Apr-24	01-May-24	22-Oct-23	11-Nov-23	-172	
10-1520	Beam & Slab to +27.28mPD	21	21	0%	02-May-24	22-May-24	12-Nov-23	02-Dec-23	-172	
Process Building (Module 3) WWTP & Tipping Hall Structure		57	57		19-Mar-24 A	28-May-24	18-Dec-23	03-Jun-24	6	
10-3070-3M63)	Column & Wall to +17.5mPD	21	7	67.07%	19-Mar-24 A	08-Apr-24	18-Dec-23	24-Dec-23	-106	Update Actual Start Date
10-3070-4M63)	Beam & Slab to +17.5mPD	15	15	0%	09-Apr-24	23-Apr-24	25-Dec-23	08-Jan-24	-106	
10-3070-5(7)	Column & Wall to +27.28mPD	21	21	0%	24-Apr-24	14-May-24	30-Apr-24	20-May-24	6	
10-3070-6(7)	Beam & Slab to +27.28mPD	14	14	0%	15-May-24	28-May-24	21-May-24	03-Jun-24	6	
Process Building - Boiler & Flue Gas Treatment Bld Structure		458	133		21-Aug-23 A	11-Aug-24	15-Nov-23	04-Jul-24	-37	
Steel Structure		453	133		21-Aug-23 A	11-Aug-24	15-Nov-23	04-Jul-24	-37	
Boiler Building Steel Structure		453	133		21-Aug-23 A	11-Aug-24	17-Jan-24	29-May-24	-73	
Process Building (Module 1) Steel Structure Erection		60	28		21-Aug-23 A	28-Apr-24	17-Jan-24	14-Feb-24	-73	
10-1640	Roof Cladding Installation	60	28	53.33%	21-Aug-23 A	28-Apr-24	17-Jan-24	14-Feb-24	-73	
Process Building (Module 2) Steel Structure Erection		60	50		25-Oct-23 A	11-Aug-24	10-Apr-24	29-May-24	-73	
10-1680	Roof Cladding Installation	60	50	16.67%	25-Oct-23 A	11-Aug-24	10-Apr-24	29-May-24	-73	
Process Building (Module 3) Process Building Steel Structure Erection		60	55		12-Dec-23 A	22-Jun-24	15-Feb-24	10-Apr-24	-73	
10-1720	Roof Cladding Installation	60	55	8.33%	12-Dec-23 A	22-Jun-24	15-Feb-24	10-Apr-24	-73	
Flue Gas Treatment Bld Steel Structure		93	62		03-Oct-23 A	01-Jun-24	15-Nov-23	04-Jul-24	34	
Process Building (Module 1) Steel Structure Erection		30	2		03-Oct-23 A	02-Apr-24	15-Nov-23	17-Nov-23	-136	
10-1760	Roof Cladding Installation	30	2	93%	03-Oct-23 A	02-Apr-24	15-Nov-23	17-Nov-23	-136	
Process Building (Module 2) Steel Structure Erection		30	30		29-Nov-23 A	01-Jun-24	05-Jun-24	04-Jul-24	34	
10-1800	Roof Cladding Installation	30	30	0%	29-Nov-23 A	01-Jun-24	05-Jun-24	04-Jul-24	34	
Process Building (Module 3) Steel Structure Erection		30	30		02-Apr-24	02-May-24	16-Feb-24	16-Mar-24	-46	
10-1840	Roof Cladding Installation	30	30	0%	02-Apr-24	02-May-24	16-Feb-24	16-Mar-24	-46	
Process Building Internal Partition Wall and Staircase		120	120		02-Apr-24	31-Jul-24	18-Nov-23	16-Mar-24	-136	
10-1850	RC Partition and Staircase at Module 1	60	60	0%	02-Apr-24	01-Jun-24	18-Nov-23	16-Jan-24	-136	
10-1860	RC Partition and Staircase at Module 2	60	60	0%	01-Jun-24	31-Jul-24	17-Jan-24	16-Mar-24	-136	
Turbine Hall Bld Structure		43	30		13-Mar-24 A	29-Apr-24	20-Oct-23	27-Feb-24	-62	
Turbine Hall Electrical Bld		15	16		13-Mar-24 A	15-Apr-24	12-Feb-24	27-Feb-24	-48	



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	M76 Remarks
10-2070(M64)	Column & Wall to +32.45mPD	10	9	10%	13-Mar-24 A	08-Apr-24	12-Feb-24	20-Feb-24	-48	Update Actual Start Date
10-2080(M64)	Beam & Slab to +32.45mPD	7	7	0%	09-Apr-24	15-Apr-24	21-Feb-24	27-Feb-24	-48	
Turbine Hall TBS2 & 3		43	30		21-Mar-24 A	29-Apr-24	20-Oct-23	18-Nov-23	-163	
10-2340(7)	Turbine Hall #3 Column & Wall to +26.5mPD	43	23	46.51%	21-Mar-24 A	22-Apr-24	20-Oct-23	11-Nov-23	-163	
10-2350(7)	Turbine Hall #3 Beam & Slab to +28.0mPD	7	7	0%	23-Apr-24	29-Apr-24	12-Nov-23	18-Nov-23	-163	
Compressor & CCCW Bld Structure		21	21		31-Mar-24	20-Apr-24	18-Dec-23	07-Jan-24	-104	
10-2210	Concrete Plinth & install anchor bolts @+15.0mPD	21	21	0%	31-Mar-24	20-Apr-24	18-Dec-23	07-Jan-24	-104	
Chimney Structure		75	56		26-Jan-24 A	26-May-24	13-Dec-23	07-Feb-24	-108	
10-2060	Chimney RC Structure (1st to 46th Pour)	75	56	25%	26-Jan-24 A	26-May-24	13-Dec-23	07-Feb-24	-108	
Mechanical Treatment Plant Bld Structure		63	63		01-May-24	02-Jul-24	26-Jan-24	28-Mar-24	-96	
10-2090	Ground Slab @+6.5mPD	21	21	0%	01-May-24	21-May-24	26-Jan-24	15-Feb-24	-96	
10-2095	Column & Wall to +13.5mPD	21	21	0%	22-May-24	11-Jun-24	16-Feb-24	07-Mar-24	-96	
10-2096	1/F Slab @+13.5mPD	21	21	0%	12-Jun-24	02-Jul-24	08-Mar-24	28-Mar-24	-96	
Water Treatment Plant Bld Structure		95	91		08-Dec-23 A	29-Jun-24	16-Dec-23	15-Mar-24	-106	
10-2310(6F)	Ground Slab @+6.5mPD	21	11	50%	08-Dec-23 A	16-Apr-24	23-Dec-23	03-Jan-24	-104	
10-2320(6F)	Column & Wall to +13.5mPD	21	13	38%	11-Jan-24 A	18-Apr-24	23-Dec-23	05-Jan-24	-104	
10-2330(6F)	1/F Slab @+13.5mPD	21	21	0%	01-Mar-24 A	20-Apr-24	16-Dec-23	05-Jan-24	-106	
10-2340(6F)	Column & Wall to +17.5mPD	21	21	0%	04-Apr-24	24-Apr-24	20-Dec-23	09-Jan-24	-106	
10-2350(6F)	2/F Slab @+17.5mPD	21	21	0%	07-Apr-24	27-Apr-24	23-Dec-23	12-Jan-24	-106	
10-2360(6F)	Column & Wall to +23.0mPD	21	21	0%	28-Apr-24	18-May-24	13-Jan-24	02-Feb-24	-106	
10-2370(6F)	3/F Slab @+23.0mPD	21	21	0%	19-May-24	08-Jun-24	03-Feb-24	23-Feb-24	-106	
10-2390(6F)	Parapet Wall	21	21	0%	09-Jun-24	29-Jun-24	24-Feb-24	15-Mar-24	-106	
Elevated Drive Way and Associated Structures		90	90		26-Apr-24	24-Jul-24	01-Jan-24	30-Mar-24	-116	
Elevated Drive Way RSA to RSG (42.8m)		75	75		01-May-24	14-Jul-24	08-Jan-24	22-Mar-24	-114	
10-2210(M57)	G/F Base Slab	45	45	0%	01-May-24	14-Jun-24	08-Jan-24	21-Feb-24	-114	
10-2220(M57)	Wall & Column to +12.5mPD Mezzanine Level	30	30	0%	15-Jun-24	14-Jul-24	22-Feb-24	22-Mar-24	-114	
Elevated Drive Way RSG to RSU (100m)		30	30		15-Jun-24	15-Jul-24	24-Feb-24	24-Mar-24	-112	
10-2310(M57)	G/F Base Slab	30	30	0%	15-Jun-24	15-Jul-24	24-Feb-24	24-Mar-24	-112	
Elevated Drive Way RSU to RSAF (99m)		90	90		26-Apr-24	24-Jul-24	01-Jan-24	30-Mar-24	-116	
10-2360(M57)	G/F Base Slab	45	45	0%	26-Apr-24	09-Jun-24	01-Jan-24	14-Feb-24	-116	
10-2370(M57)	Wall & Column to +13mPD Mezzanine Level	45	45	0%	10-Jun-24	24-Jul-24	15-Feb-24	30-Mar-24	-116	
Pipebridge Structure		150	150		31-Mar-24	27-Aug-24	14-Oct-23	27-Apr-24	-122	
Pipe Rack		10	10		31-Mar-24	09-Apr-24	14-Oct-23	23-Oct-23	-169	
10-2340(6)	Erection of Pipe Rack 3 (Pipe Rack D2 to ACC & C3)	10	10	0%	31-Mar-24	09-Apr-24	14-Oct-23	23-Oct-23	-169	
Pipe Bridge B		138	138		12-Apr-24	27-Aug-24	30-Nov-23	27-Apr-24	-122	
10-2300-1(6D)	Erection of Pipe bridge B1 on the Roof of Turbine Hall	90	90	0%	12-Apr-24	10-Jul-24	30-Nov-23	27-Feb-24	-134	
10-2300-2(6H)	Erection of Pipe bridge B2 on the Roof of Turbine Hall	90	90	0%	30-May-24	27-Aug-24	29-Jan-24	27-Apr-24	-122	
Pipe Bridge C		22	22		16-May-24	06-Jun-24	28-Feb-24	22-Mar-24	-76	
Connect to ACC 1		3	3		16-May-24	18-May-24	28-Feb-24	01-Mar-24	-78	
10-2310(6)	Erection of Pipebridge C between Turbine Hall & ACC 1	3	3	0%	16-May-24	18-May-24	28-Feb-24	01-Mar-24	-78	Deleted successor 13-2000-1(M63)
Connect to ACC 2		3	3		01-Jun-24	03-Jun-24	17-Mar-24	19-Mar-24	-76	
10-2310-1(M63)	Erection of Pipebridge C between Turbine Hall & ACC 2	3	3	0%	01-Jun-24	03-Jun-24	17-Mar-24	19-Mar-24	-76	
Connect to ACC 3		3	3		04-Jun-24	06-Jun-24	20-Mar-24	22-Mar-24	-76	
10-2310-2(M63)	Erection of Pipebridge C between Turbine Hall & ACC 3	3	3	0%	04-Jun-24	06-Jun-24	20-Mar-24	22-Mar-24	-76	
ACC Yard		106	106		08-Apr-24	22-Jul-24	26-Nov-23	07-Mar-24	-137	
13-2000	Delivery and Erection of ACC Steel Structure & Steel Structure Support of Condensate Tank (Module 1)	45	45	0%	08-Apr-24	22-May-24	26-Nov-23	09-Jan-24	-134	
13-2040	Delivery and Erection of ACC Steel Structure & Steel Structure Support of Condensate Tank (Module 2)	45	45	0%	01-Jun-24	15-Jul-24	24-Dec-23	06-Feb-24	-160	
13-2080	Delivery and Erection of ACC Steel Structure & Steel Structure Support of Condensate Tank (Module 3)	45	45	0%	08-Jun-24	22-Jul-24	23-Jan-24	07-Mar-24	-137	
Architectural Builders Works & Finishes		341	250		27-Sep-23 A	05-Dec-24	29-Oct-23	10-Apr-25	126	
Process Building - Waste Bunker & Tipping Hall Bld ABWF Works		281	250		20-Nov-23 A	05-Dec-24	15-Dec-23	27-Oct-24	-39	
11-1060	Door, Roller Shutter, Windows and Louvers Installation	180	180	0%	09-Jun-24	05-Dec-24	01-May-24	27-Oct-24	-39	
11-1070	Metal Railings, Platforms, Gratings, Cable trench covers Installations	115	115	0%	31-Mar-24	23-Jul-24	15-Dec-23	07-Apr-24	-107	
11-1080	Internal Wall and Floor Finishes	230	195	15.22%	20-Nov-23 A	11-Oct-24	14-Jan-24	26-Jul-24	-77	
11-1090	False ceiling and Raise Floor installation (in CCR)	45	45	0%	07-May-24	20-Jun-24	17-Jan-24	01-Mar-24	-111	changed dur to 60
11-1100	External Finishes, Curtain Walls and Roof Waterproofing	90	87	3%	20-Feb-24 A	04-Sep-24	10-Jan-24	06-Apr-24	-150	Update Progress Percent
11-1530(M63)	Facade Panels Erection for Module 1 (612pcs. @8pcs/d)	77	77	0%	09-Jun-24	24-Aug-24	21-Jan-24	06-Apr-24	-140	Change relation with 10-2330(m63) to FS-
Process Building - Boiler & Flue Gas Bld ABWF Works		180	180		02-Apr-24	29-Sep-24	10-Nov-23	05-Jul-24	-85	
11-1130	Internal Wall and Floor Finishes	180	180	0%	02-Apr-24	29-Sep-24	08-Jan-24	05-Jul-24	-85	Changed relation with 16-1550 to FS-90d
11-1560(7)	Transformer Room 1 & 2 Blockwork and Finishes	30	30	0%	03-May-24*	01-Jun-24	10-Nov-23	09-Dec-23	-175	
11-1570(7)	Transformer Room 3 & 4 Blockwork and Finishes	30	30	0%	03-May-24	01-Jun-24	12-Nov-23	11-Dec-23	-173	
11-1580(7)	Transformer Room 5 & 6 Blockwork and Finishes	30	30	0%	02-Jun-24	01-Jul-24	24-Dec-23	22-Jan-24	-161	
Turbine Hall Bld ABWF Works		171	171		09-Dec-23 A	17-Sep-24	29-Oct-23	25-Jun-24	-84	
Electrical Bld ABWF Works		123	123		09-Dec-23 A	31-Jul-24	29-Oct-23	25-Jun-24	-36	
11-1150	Door, Windows and Louvers Installation	90	90	0%	03-Apr-24	01-Jul-24	27-Feb-24	26-May-24	-36	
11-1160	Metal Railings, Platforms, Gratings, Cable trench covers Installations	90	90	0%	03-Apr-24	01-Jul-24	28-Mar-24	25-Jun-24	-6	
11-1170	Internal Wall and Floor Finishes	90	79	12%	09-Dec-23 A	30-Jun-24	07-Apr-24	25-Jun-24	-4	Update Progress Percent
11-1180	False ceiling and Raise Floor installation	90	90	0%	31-Mar-24	28-Jun-24	29-Oct-23	26-Jan-24	-154	
11-1190	External Finishes, Roof Waterproofing	90	90	0%	03-May-24	31-Jul-24	28-Mar-24	25-Jun-24	-36	
11-1540	Facade Panels Erection (167pcs. @8pcs/d)	23	23	0%	30-May-24	21-Jun-24	03-Jun-24	25-Jun-24	4	
Turbine Hall ABWF Works		163	163		08-Apr-24	17-Sep-24	15-Dec-23	03-Jun-24	-106	
11-1200	Door, Roller Shutter, Windows and Louvers Installation	60	60	0%	20-Jun-24	18-Aug-24	26-Feb-24	25-Apr-24	-115	
11-1210	Metal Railings, Platforms, Gratings, Cable trench covers Installations	90	90	0%	30-Apr-24	28-Jul-24	27-Jan-24	25-Apr-24	-94	



3-Month Rolling Programme (March 2024)

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

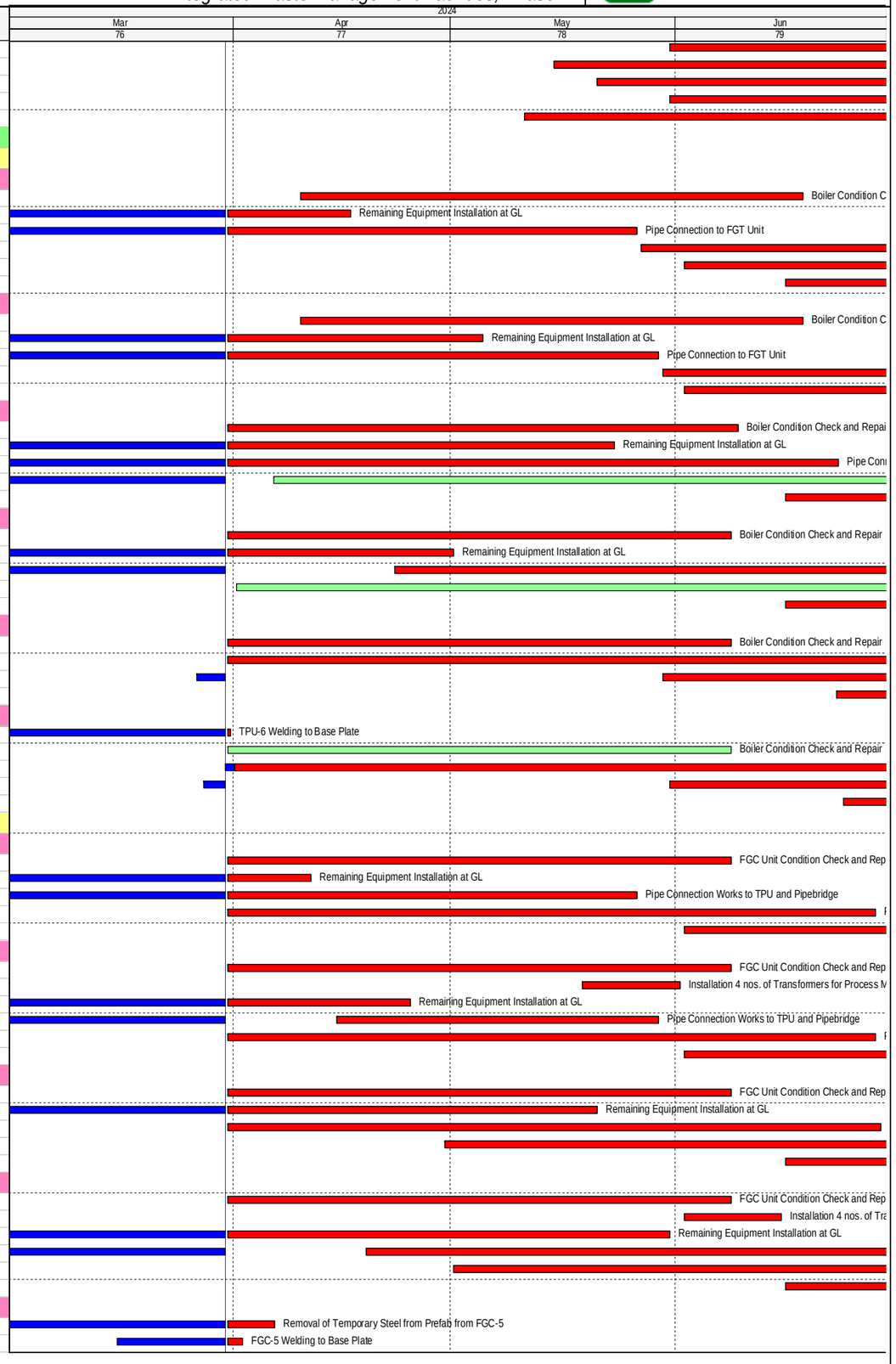
Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
11-1220	Internal Wall and Floor Finishes for remain area	90	90	0%	30-Apr-24	28-Jul-24	27-Jan-24	25-Apr-24	-94	
11-1240	External Finishes, Curtain Walls and Roof Waterproofing	120	120	0%	21-May-24	17-Sep-24	05-Feb-24	03-Jun-24	-106	
11-1540-1(M63)	Facade Structural Frame Erection	52	52	0%	08-Apr-24	29-May-24	15-Dec-23	04-Feb-24	-115	
11-1550	Facade Panels Erection (207pcs. @4pcs/d)	51	51	0%	30-May-24	19-Jul-24	05-Feb-24	26-Mar-24	-115	
Compressor & CCCW Bld ABWF Works		126	126		31-Mar-24	03-Aug-24	28-Mar-24	25-Jul-24	-9	
11-1250	Door, Roller Shutter, Windows and Louvers Installation	90	90	0%	31-Mar-24	28-Jun-24	27-Apr-24	25-Jul-24	27	
11-1260	Metal Railings, Platforms, Gratings, Cable trench covers Installations	90	90	0%	06-May-24	03-Aug-24	27-Apr-24	25-Jul-24	-9	
11-1270	Internal Wall and Floor Finishes	90	90	0%	06-Apr-24	04-Jul-24	27-Apr-24	25-Jul-24	21	
11-1280	False ceiling and Raise Floor installation	90	90	0%	06-Apr-24	04-Jul-24	27-Apr-24	25-Jul-24	21	
11-1290	External Finishes and Roof Waterproofing	90	90	0%	06-Apr-24	04-Jul-24	28-Mar-24	25-Jun-24	-9	
Chimney ABWF Works		120	120		26-May-24	23-Sep-24	08-Feb-24	25-Aug-24	-28	
10-2240	Erection of Steel Grating Platform	90	90	0%	26-May-24	24-Aug-24	08-Feb-24	07-May-24	-108	
11-1000	Installation of Metal Staircase, Railings	90	90	0%	25-Jun-24	23-Sep-24	28-May-24	25-Aug-24	-28	Remove successor 16-1550c added successor 16-1970(6G)
Mechanical Treatment Plant & Water Treatment Plant Bld ABWF Works		120	120		28-May-24	24-Sep-24	25-Feb-24	13-Jul-24	-73	
Water Treatment Plant ABWF Works		120	120		28-May-24	24-Sep-24	25-Feb-24	13-Jul-24	-73	
11-1610(7)	Metal Railings, Platforms, Gratings, Cable trench covers Installations	120	120	0%	28-May-24	24-Sep-24	09-Mar-24	06-Jul-24	-80	
11-1620(7)	Internal Wall and Floor Finishes	120	120	0%	28-May-24	24-Sep-24	16-Mar-24	13-Jul-24	-73	
11-1640(7)	Facade Structural Frame Erection	90	90	0%	09-Jun-24	06-Sep-24	25-Feb-24	24-May-24	-105	
IWMF Substation ABWF Works		279	126		27-Sep-23 A	03-Aug-24	15-Nov-23	10-Apr-25	250	
11-1340	Door, Roller Shutter, Windows and Louvers Installation	60	58	3%	18-Dec-23 A	28-May-24	01-Aug-24	28-Sep-24	124	Remove Predecessor 11-1560-2(M63) FS0
11-1350	Metal Railings, Platforms, Gratings, Cable trench covers Installations	90	86	5%	27-Dec-23 A	24-Jun-24	06-Dec-23	29-Feb-24	-116	Update Progress Percent
11-1360	Internal Wall and Floor Finishes	90	23	75%	27-Sep-23 A	24-Jun-24	07-Feb-24	29-Feb-24	-116	Update Progress Percent
11-1370	False ceiling and Raise Floor installation	90	63	30%	06-Dec-23 A	03-Aug-24	07-Feb-24	09-Apr-24	-116	
11-1380	External Finishes and Roof Waterproofing	86	86	0%	06-Apr-24	01-Jul-24	15-Jan-25	10-Apr-25	283	
11-1560-1(M63)	Facade Structural Frame Installation	64	64	0%	31-Mar-24	02-Jun-24	26-Jul-24	27-Sep-24	117	
IWMF Substation - CLP Equipment Room ABWF Works		60	20		12-Dec-23 A	19-Apr-24	15-Nov-23	04-Dec-23	-137	
11-1660(7)	ABWF Works for CLP Equipment Room	60	20	66.67%	12-Dec-23 A	19-Apr-24	15-Nov-23	04-Dec-23	-137	
Seawater Intake Chamber ABWF Works		60	60		10-May-24	09-Jul-24	12-Feb-24	11-Apr-24	-89	
11-1670(7)	Floor, wall and ceiling finishes	30	30	0%	10-May-24	09-Jun-24	12-Feb-24	12-Mar-24	-89	
11-1680(7)	Steel platforms, metal covers, cat ladder and staircase	30	30	0%	09-Jun-24	09-Jul-24	13-Mar-24	11-Apr-24	-89	
Building Services Installation		302	270		20-May-22 A	25-Dec-24	10-Mar-24	29-Jul-26	581	
Administration & Viewing Gallery Bld BS Works		180	180		27-Jun-24	23-Dec-24	09-Apr-24	20-Oct-24	-64	
12-1030	Electrical and Lighting System	180	180	0%	27-Jun-24	23-Dec-24	24-Apr-24	20-Oct-24	-64	
12-1040	CCTV & Surveillance System	180	180	0%	27-Jun-24	23-Dec-24	09-Apr-24	05-Oct-24	-79	
Process Building - Waste Bunker & Tipping Hall Bld BS Works		240	240		30-Apr-24	25-Dec-24	10-Mar-24	31-Jan-25	37	
12-1060	Plumbing & Drainage System	180	180	0%	30-Apr-24	26-Oct-24	05-Aug-24	31-Jan-25	97	
12-1070	MVAC & OCS System	180	180	0%	29-Jun-24	25-Dec-24	05-Apr-24	01-Oct-24	-85	
12-1080	Fire Service System (Waste Bunker and Tipping Hall)	180	180	0%	30-Apr-24	26-Oct-24	21-Apr-24	17-Oct-24	-9	
12-1090	Electrical and Lighting System	180	180	0%	30-Apr-24	26-Oct-24	10-Mar-24	05-Sep-24	-51	
12-1100	Security, Surveillance & Communication System	180	180	0%	30-May-24	25-Nov-24	09-Apr-24	05-Oct-24	-51	
Process Building - Boiler & Flue Gas Bld BS Works		286	171		20-May-22 A	28-Nov-24	03-May-24	29-Jul-26	609	
12-1120	MVAC System	180	153	15%	14-Oct-23 A	28-Nov-24	19-May-24	18-Oct-24	-40	
12-1140	Electrical and Lighting System	180	171	5%	18-Oct-23 A	28-Nov-24	03-May-24	20-Oct-24	-38	
12-1580(6E)	Earthing and Lightning Protection System	180	171	5%	20-May-22 A	28-Nov-24	09-Feb-26	29-Jul-26	609	
Turbine Hall Bld BS Works		144	120		11-Oct-23 A	28-Jul-24	20-Jun-24	18-Oct-24	82	
Electrical Bld BS Works		144	120		11-Oct-23 A	28-Jul-24	20-Jun-24	17-Oct-24	81	
12-1270	Plumbing & Drainage System	60	29	51.67%	11-Oct-23 A	28-Apr-24	20-Jun-24	18-Jul-24	81	Remove Predecessor 11-1150 SS0
12-1280	MVAC System	120	102	15%	25-Feb-24 A	10-Jul-24	20-Jun-24	29-Sep-24	81	
12-1290	Fire Service System (Electrical Building)	120	120	0%	31-Mar-24	28-Jul-24	20-Jun-24	17-Oct-24	81	
12-1300	Electrical and Lighting System	120	72	40%	11-Oct-23 A	10-Jun-24	26-Jun-24	05-Sep-24	87	
12-1310	Security, Surveillance & Communication System	90	72	20%	25-Feb-24 A	10-Jul-24	26-Jul-24	05-Oct-24	87	
Turbine Hall BS Works		123	102		11-Oct-23 A	10-Jul-24	08-Jul-24	18-Oct-24	100	
12-1320	Plumbing & Drainage System	90	28	68.89%	11-Oct-23 A	09-May-24	20-Jul-24	16-Aug-24	99	
12-1330	MVAC System	90	90	0%	12-Apr-24	10-Jul-24	21-Jul-24	18-Oct-24	100	
12-1340	Fire Service System (Turbine Hall)	90	90	0%	12-Apr-24	10-Jul-24	20-Jul-24	17-Oct-24	99	
12-1350	Electrical and Lighting System	90	28	68.89%	11-Oct-23 A	09-May-24	25-Aug-24	21-Sep-24	135	
12-1360	Security, Surveillance & Communication System	90	90	0%	31-Mar-24	28-Jun-24	08-Jul-24	05-Oct-24	99	
Compressor & CCCW Bld BS Works		161	150		20-Mar-24 A	27-Aug-24	20-Jun-24	18-Oct-24	52	
12-1370	Plumbing & Drainage System	60	60	0%	31-Mar-24	29-May-24	20-Jun-24	18-Aug-24	81	
12-1380	MVAC System	120	120	0%	31-Mar-24	28-Jul-24	21-Jun-24	18-Oct-24	82	
12-1390	Fire Service System (CCCW Bld)	120	120	0%	30-Apr-24	27-Aug-24	20-Jun-24	17-Oct-24	51	
12-1400	Electrical and Lighting System	120	108	10%	20-Mar-24 A	16-Jul-24	20-Jun-24	05-Oct-24	81	
12-1410	Security, Surveillance & Communication System	90	36	60%	20-Mar-24 A	16-Jul-24	31-Aug-24	05-Oct-24	81	
Mechanical Treatment Plant & Water Treatment Plant Bld BS Works		120	120		12-May-24	08-Sep-24	04-Jun-24	17-Oct-24	39	
Water Treatment Plant BS Works		120	120		12-May-24	08-Sep-24	04-Jun-24	17-Oct-24	39	
12-1580(7)	Plumbing & Drainage System	120	120	0%	12-May-24	08-Sep-24	04-Jun-24	01-Oct-24	23	
12-1600(7)	Fire Service System	107	107	0%	12-May-24	26-Aug-24	03-Jul-24	17-Oct-24	52	
12-1610(7)	Electrical and Lighting System	120	120	0%	12-May-24	08-Sep-24	08-Jun-24	05-Oct-24	27	
12-1620(7)	Security, Surveillance & Communication System	90	90	0%	11-Jun-24	08-Sep-24	08-Jul-24	05-Oct-24	27	
IWMF Substation BS Works		120	36		10-Oct-23 A	07-Jul-24	14-Apr-24	19-Oct-24	104	
12-1470	Plumbing & Drainage System	90	18	80%	10-Oct-23 A	19-Jun-24	14-Apr-24	01-May-24	-49	
12-1480	MVAC System	90	27	70%	11-Oct-23 A	28-Jun-24	22-Sep-24	18-Oct-24	112	

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

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
12-1490	Fire Service System (IWMF Substation)	90	36	60%	12-Oct-23 A	07-Jul-24	14-Apr-24	19-May-24	-49	
12-1500	Electrical and Lighting System	90	27	70%	10-Oct-23 A	28-Jun-24	22-Sep-24	19-Oct-24	113	
12-1510	Security, Surveillance & Communication System	90	14	85%	20-Nov-23 A	15-Jun-24	22-Sep-24	05-Oct-24	113	
ACC Equipment Structure BS Works		90	90		30-May-24	27-Aug-24	21-Jul-24	31-Jan-25	157	
12-1580(5a)	Plumbing & Drainage System	60	60	0%	30-May-24	28-Jul-24	03-Dec-24	31-Jan-25	187	
12-1590(5a)	MVAC System	90	90	0%	30-May-24	27-Aug-24	21-Jul-24	18-Oct-24	52	
12-1600(5a)	Fire Service System (Equipment/Appliance)	60	60	0%	30-May-24	28-Jul-24	19-Aug-24	17-Oct-24	81	
12-1610(5a)	Electrical and Lighting System	60	60	0%	30-May-24	28-Jul-24	02-Oct-24	30-Nov-24	125	
12-1620(5a)	Security, Surveillance & Communication System	60	60	0%	30-May-24	28-Jul-24	07-Aug-24	05-Oct-24	69	
Seawater Intake Chamber BS Works		60	60		09-Jun-24	08-Aug-24	01-May-24	18-Oct-24	71	
12-1630(7)	Plumbing & Drainage System	60	60	0%	09-Jun-24	08-Aug-24	01-May-24	29-Jun-24	-40	
12-1640(7)	MVAC System	60	60	0%	09-Jun-24	08-Aug-24	20-Aug-24	18-Oct-24	71	
12-1650(7)	Fire Service System (Equipment/Appliance)	60	60	0%	09-Jun-24	08-Aug-24	19-Aug-24	17-Oct-24	70	
12-1660(7)	Electrical and Lighting System	60	60	0%	09-Jun-24	08-Aug-24	01-May-24	29-Jun-24	-40	
Process Equipment Installation		417	210		15-Aug-23 A	27-Oct-24	08-Oct-23	29-Sep-24	-27	
Process Building - Waste Bunker & Tipping Hall Bld Process Equipment Installation		356	210		20-Sep-23 A	26-Oct-24	17-Oct-23	17-Sep-24	-39	
Equipment, Piping and Instrument Installation and Connection Works		292	201		20-Sep-23 A	17-Oct-24	17-Oct-23	04-Jul-24	-105	
Process Building (Module 1)		144	144		31-Mar-24	21-Aug-24	17-Oct-23	08-Mar-24	-166	
12-3010(6F)	Piping Installation Works	120	120	0%	31-Mar-24	28-Jul-24	17-Oct-23	13-Feb-24	-166	
12-3020(6F)	Pipe Testing	60	60	0%	23-Jun-24	21-Aug-24	09-Jan-24	08-Mar-24	-166	
Process Building (Module 2)		141	141		02-Jan-24 A	19-Sep-24	03-Dec-23	07-Apr-24	-165	
12-3040(6F)	Embedded Piping Installation	60	24	60%	02-Jan-24 A	15-Jun-24	03-Feb-24	26-Feb-24	-110	
12-3050(6F)	Piping Installation Works	120	120	0%	23-May-24	19-Sep-24	03-Dec-23	31-Mar-24	-172	Change Relationship on Predecessor 10-1250 from FS60 to FS30
12-3075(M71)	Equipment Installation at Bassin Area at +6.5mPD (included Boiler Drainage Tanks)	120	120	0%	02-May-24	29-Aug-24	10-Dec-23	07-Apr-24	-144	
Process Building (Module 3)		120	120		05-Feb-24 A	17-Oct-24	07-Mar-24	04-Jul-24	-105	
12-3080(6F)	Embedded Piping Installation	60	54	10%	05-Feb-24 A	12-Aug-24	12-Apr-24	04-Jun-24	-69	
12-3090(6F)	Piping Installation Works	120	120	0%	20-Jun-24	17-Oct-24	07-Mar-24	04-Jul-24	-105	
Process Building (WWTP)		60	60		20-Sep-23 A	01-Jun-24	09-Jan-24	08-Mar-24	-84	
12-3160(6F)	Embedded Piping Installation	60	60	0%	20-Sep-23 A	01-Jun-24	09-Jan-24	08-Mar-24	-84	
Ash Treatment Equipment (Module 1)		120	108		10-Mar-24 A	16-Jul-24	22-Dec-23	07-Apr-24	-100	
12-4000(6G_R1)	Deliver and installation of Ash Treatment Equipments	120	108	10%	10-Mar-24 A	16-Jul-24	22-Dec-23	07-Apr-24	-100	Change Relationship from Predecessor from FS30 to FF0
Ash Treatment Equipment (Module 2)		120	120		20-Jun-24	17-Oct-24	27-Feb-24	25-Jun-24	-114	
12-4010(6G_R1)	Deliver and installation of Ash Treatment Equipments	120	120	0%	20-Jun-24	17-Oct-24	27-Feb-24	25-Jun-24	-114	
Ash Treatment Equipment (Module 3)		120	120		24-May-24	20-Sep-24	08-Dec-23	05-Apr-24	-168	
12-4020(6G_R1)	Deliver and installation of Ash Treatment Equipments	120	120	0%	24-May-24	20-Sep-24	08-Dec-23	05-Apr-24	-168	
Process Building (Cranes and Shredder)		123	153		15-Mar-24 A	31-Aug-24	29-Jan-24	17-Sep-24	17	
Process Building (Module 1)		123	153		15-Mar-24 A	31-Aug-24	29-Jan-24	17-Sep-24	17	
13-1000-1(6)	Ash Crane Installation @+15.3mPD	70	70	0%	01-May-24*	09-Jul-24	11-May-24	19-Jul-24	10	
13-1000-2(6)	Shredder Installation	70	70	0%	04-Jun-24	12-Aug-24	29-Jan-24	07-Apr-24	-127	
13-1000-3(6)	Hoist Installation	70	70	0%	08-May-24	16-Jul-24	10-Jul-24	17-Sep-24	63	
13-1000-5(6B)	EOTC & Monorail Hoist System installation in Waste Crane Control Room (+33.5 & 36.5mPD)	70	70	0%	10-May-24	18-Jul-24	10-Jul-24	17-Sep-24	61	
13-1000-6(6B)	EOTC & Monorail Hoist System installation in Ash Crane Control Room (+15.8mPD & +19.9mPD)	70	70	0%	31-May-24	08-Aug-24	10-Jul-24	17-Sep-24	40	
13-1000-7(6B)	EOTC & Monorail Hoist System installation in Mechanical Shredder Area +28.5mPD	70	70	0%	23-Jun-24	31-Aug-24	10-Jul-24	17-Sep-24	17	
13-1000-8(6B)	Monorail Hoist System installation in CCR Electrical Switch room +13.75mPD	60	60	0%	23-Jun-24	21-Aug-24	01-May-24	29-Jun-24	-53	
13-1000-9(6B)	Monorail Hoist System installation in CCR Electrical Switch room +23mPD	60	60	0%	09-Jun-24	07-Aug-24	01-May-24	29-Jun-24	-39	
13-1010(6B)	EOTC Hoist System installation in Main Workshop & Store +15.3mPD	60	30	50%	15-Mar-24 A	30-Apr-24	19-Aug-24	17-Sep-24	140	Update Actual Start Date
Process Building (Module 2)		81	81		31-May-24	19-Aug-24	10-Jun-24	17-Sep-24	29	
13-1004-1(M71)	Ash Crane Installation @+15.3mPD	70	70	0%	31-May-24	08-Aug-24	10-Jun-24	18-Aug-24	10	
13-1004-6(M71)	EOTC & Monorail Hoist System installation in Ash Crane Control Room (+15.8mPD & +19.9mPD)	70	70	0%	11-Jun-24	19-Aug-24	10-Jul-24	17-Sep-24	29	
Process Building (WWTP)		211	156		27-Nov-23 A	26-Oct-24	08-Feb-24	06-Jul-24	-112	
13-1010-1(6)	WWTP Piping and instrument installation	120	120	0%	27-Nov-23 A	26-Oct-24	09-Mar-24	06-Jul-24	-112	
WWTP Mechanical equipment installation		120	120		24-May-24	20-Sep-24	08-Feb-24	06-Jun-24	-106	
13-1010-12(M63)	Equipments for Bio-Tank Area @+3.3mPd	120	120	0%	24-May-24	20-Sep-24	08-Feb-24	06-Jun-24	-106	
13-1010-13(M63)	Equipments for Centrate Area, Inlet Sump & EQ Tank Area @+2.0mPd	120	120	0%	24-May-24	20-Sep-24	08-Feb-24	06-Jun-24	-106	
13-1010-5(6B)	EOTC Hoist System installation in WWTP +6.5	60	60	0%	24-May-24	22-Jul-24	09-Mar-24	07-May-24	-76	
13-1010-6(6B)	Monorail Hoist System installation in WWTP +10mPD & +13.3mPD	60	60	0%	24-May-24	22-Jul-24	09-Mar-24	07-May-24	-76	
13-1010-7(6B)	LVSG 6A/6B @ WWTP Switch room +13.3mPD	60	60	0%	24-May-24	22-Jul-24	09-Mar-24	07-May-24	-76	
13-1010-8(6B)	UPS DB @ WWTP Switch room @13.3mPd	60	60	0%	24-May-24	22-Jul-24	09-Mar-24	07-May-24	-76	
13-1020(6F)	Equipment Installation for Equipment Rm, Sludge Dewatering Rm & Chemical Rm Area @+6.5mPd	120	120	0%	24-May-24	20-Sep-24	08-Feb-24	06-Jun-24	-106	
13-1030(6F)	Equipment Installation for MBR Tank, DAF & Chemical Tank Area @+10.0mPd	60	60	0%	29-Jun-24	27-Aug-24	09-Mar-24	07-May-24	-112	
13-1040(6F)	Equipment for Pretreatment, Chemical Tank, RO, MBR, AQP, MCC & Control Area @+12.5mPd	60	60	0%	24-May-24	22-Jul-24	09-Mar-24	07-May-24	-76	
Process Building (Central Control System Installation)		145	145		10-May-24	01-Oct-24	20-Feb-24	13-Jul-24	-80	
13-1010-3(6B)	Mechanical equipment installation (Control Room 2 +36.5mPD)	145	145	0%	10-May-24	01-Oct-24	20-Feb-24	13-Jul-24	-80	
13-1980	Control Systems Installation at CCR	90	90	0%	21-Jun-24	18-Sep-24	02-Mar-24	30-May-24	-111	
13-1990	Cable laying and Termination	90	90	0%	21-Jun-24	18-Sep-24	02-Mar-24	30-May-24	-111	
13-2160(6B)	DCS Installation	90	90	0%	21-Jun-24	18-Sep-24	02-Mar-24	30-May-24	-111	
13-2210(6B)	CMMS Installation	90	90	0%	21-Jun-24	18-Sep-24	02-Mar-24	30-May-24	-111	
13-2260(6B)	IDMS installation	90	90	0%	21-Jun-24	18-Sep-24	02-Mar-24	30-May-24	-111	
13-2270(6B)	OMS Installation	90	90	0%	21-Jun-24	18-Sep-24	02-Mar-24	30-May-24	-111	
13-2280(6D)	Monorail Hoist System installation in CCR Electrical Switch room +13.75mPD	90	90	0%	21-Jun-24	18-Sep-24	01-Apr-24	29-Jun-24	-81	
Process Building (Switch Room)		149	149		11-May-24	06-Oct-24	02-Feb-24	25-Jun-24	-103	

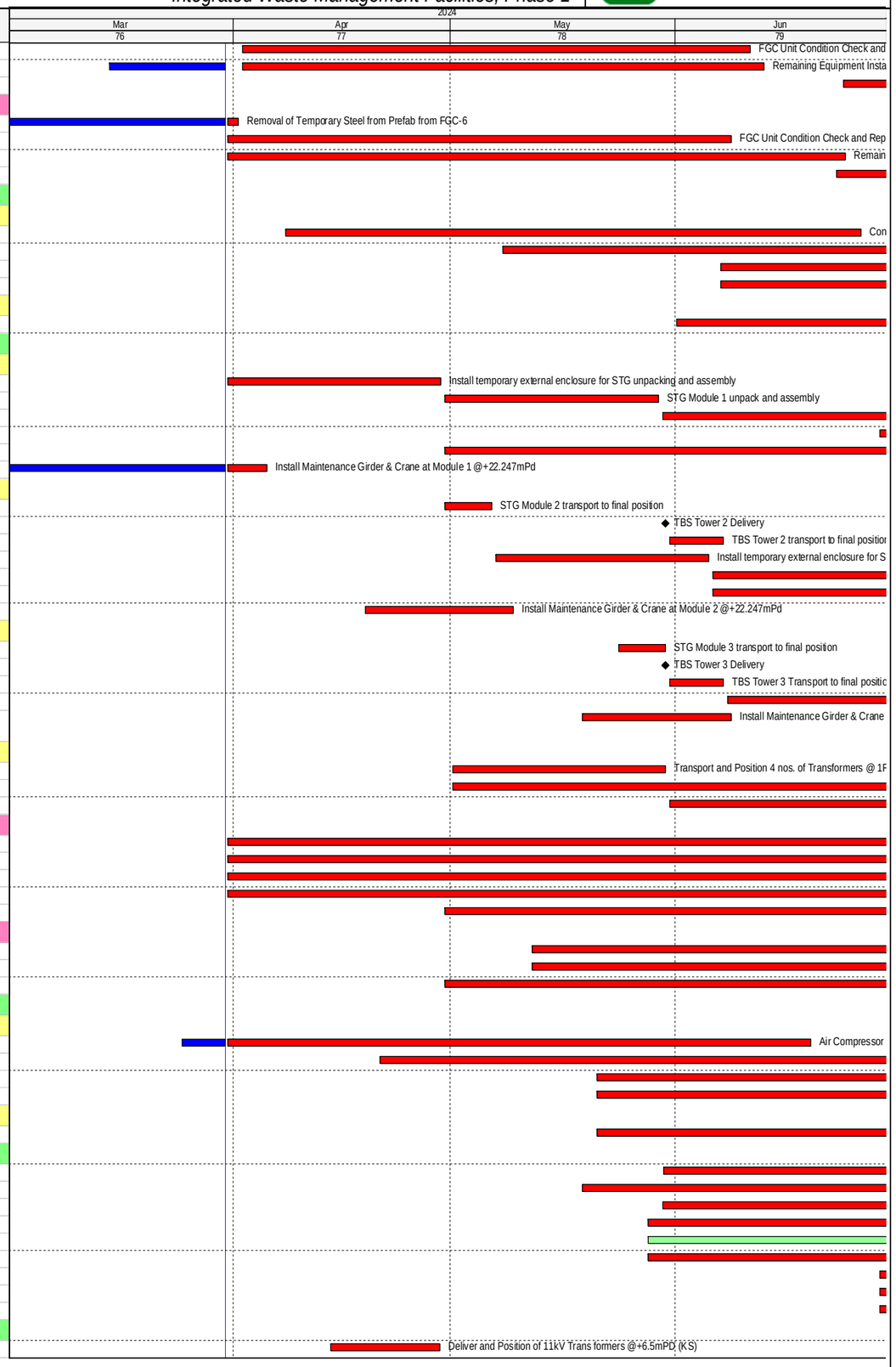
Actual Work | Critical Remaining Work | Actrual Milestone
Remaining Work | Milestone | Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
13-1000-4(6B)	Waste Crane Switch room E&I Equipment installation @+29.5mPd, inclusive of Control Chair and Junction box in WCCR	60	60	0%	31-May-24	29-Jul-24	27-Apr-24	25-Jun-24	-34	
13-1010-4(6B)	Mechanical equipment installation (Switch Room +28.25mPD)	145	145	0%	15-May-24	06-Oct-24	02-Feb-24	25-Jun-24	-103	
13-2280(6B)	Transformer @ Process Bldg. switch room x4 Nos. @+13.3 mPD	90	90	0%	21-May-24	18-Aug-24	28-Mar-24	25-Jun-24	-54	
13-2280-1(6B)	LVSG 1A/1B and 2A/2B (below Toilet/Server Room - Process building Switch room)	90	90	0%	31-May-24	28-Aug-24	28-Mar-24	25-Jun-24	-64	
13-2280-2(6B)	UPS @ Process Building Switch room and Battery room	90	90	0%	11-May-24	08-Aug-24	28-Mar-24	25-Jun-24	-44	
Process Building - Boiler House & Flue Gas Treatment Bld Process Equipment Installation		357	205		15-Aug-23 A	21-Oct-24	08-Oct-23	29-Sep-24	-22	
Process Building (Installation TPU Module)		357	205		15-Aug-23 A	21-Oct-24	08-Oct-23	29-Sep-24	-22	
TPU Train 1		305	153		15-Aug-23 A	30-Aug-24	08-Oct-23	20-Apr-24	-132	
13-1040	Boiler Condition Check and Repair	70	70	0%	10-Apr-24*	18-Jun-24	30-Jan-24	08-Apr-24	-71	
13-1050	Remaining Equipment Installation at GL	120	17	85.83%	15-Aug-23 A	17-Apr-24	17-Oct-23	03-Nov-23	-165	
13-1060	Pipe Connection to FGT Unit	120	57	52.5%	01-Dec-23 A	26-May-24	08-Oct-23	03-Dec-23	-175	
13-1070	Pipe Insulation Works	60	60	0%	27-May-24	25-Jul-24	08-Feb-24	07-Apr-24	-109	
13-1080	Electrical instrument and Cabling Works	90	90	0%	02-Jun-24	30-Aug-24	10-Dec-23	08-Mar-24	-175	
13-1090	Boiler Pressure Test	15	15	0%	16-Jun-24	30-Jun-24	06-Apr-24	20-Apr-24	-71	
TPU Train 2		305	153		15-Aug-23 A	30-Aug-24	12-Oct-23	20-Apr-24	-132	
13-1130	Boiler Condition Check and Repair	70	70	0%	10-Apr-24*	18-Jun-24	11-Feb-24	20-Apr-24	-59	
13-1140	Remaining Equipment Installation at GL	120	35	70.45%	15-Aug-23 A	05-May-24	14-Oct-23	18-Nov-23	-168	
13-1150	Pipe Connection to FGT Unit	120	60	50%	01-Dec-23 A	29-May-24	12-Oct-23	10-Dec-23	-171	
13-1160	Pipe Insulation Works	60	60	0%	30-May-24	28-Jul-24	08-Feb-24	07-Apr-24	-112	
13-1170	Electrical instrument and Cabling Works	90	90	0%	02-Jun-24	30-Aug-24	10-Dec-23	08-Mar-24	-175	
TPU Train 3		211	167		27-Nov-23 A	13-Sep-24	24-Nov-23	29-Sep-24	16	
13-1220	Boiler Condition Check and Repair	71	71	0%	31-Mar-24	09-Jun-24	25-Feb-24	05-May-24	-35	
13-1230	Remaining Equipment Installation at GL	121	54	55.45%	27-Nov-23 A	23-May-24	24-Nov-23	16-Jan-24	-128	
13-1240	Pipe Connection to FGT Unit	121	85	30%	12-Jan-24 A	23-Jun-24	01-Dec-23	24-Feb-24	-120	
13-1250	Pipe Insulation Works	120	108	10%	20-Jan-24 A	23-Jul-24	14-Jun-24	29-Sep-24	68	
13-1260	Electrical instrument and Cabling Works	90	90	0%	16-Jun-24	13-Sep-24	17-Jan-24	15-Apr-24	-151	
TPU Train 4		181	167		27-Nov-23 A	13-Sep-24	27-Nov-23	29-Sep-24	16	
13-1310	Boiler Condition Check and Repair	70	70	0%	31-Mar-24	08-Jun-24	12-Mar-24	20-May-24	-19	
13-1320	Remaining Equipment Installation at GL	120	31	73.83%	27-Nov-23 A	01-May-24	27-Nov-23	28-Dec-23	-124	
13-1330	Pipe Connection to FGT Unit	120	68	43%	12-Jan-24 A	30-Jun-24	20-Dec-23	26-Feb-24	-124	
13-1340	Pipe Insulation Works	120	120	0%	01-Apr-24	30-Jul-24	02-Jun-24	29-Sep-24	62	
13-1350	Electrical instrument and Cabling Works	90	90	0%	16-Jun-24	13-Sep-24	17-Jan-24	15-Apr-24	-151	
TPU Train 5		204	204		27-Mar-24 A	20-Oct-24	15-Oct-23	04-Jun-24	-138	
13-1490	Boiler Condition Check and Repair	70	70	0%	31-Mar-24	08-Jun-24	27-Mar-24	04-Jun-24	-4	
13-1500	Remaining Equipment Installation at GL	120	114	5%	31-Mar-24 A	22-Jul-24	15-Oct-23	05-Feb-24	-168	
13-1510	Pipe Connection to FGT Unit	120	114	5%	27-Mar-24 A	20-Sep-24	14-Dec-23	05-Apr-24	-168	
13-1520	Pipe Insulation Works	120	120	0%	23-Jun-24	20-Oct-24	07-Jan-24	05-May-24	-168	
TPU Train 6		236	205		22-Dec-23 A	21-Oct-24	14-Oct-23	19-Jun-24	-124	
13-1395(M63)-2	TPU-6 Welding to Base Plate	20	1	95%	22-Dec-23 A	31-Mar-24	14-Oct-23	14-Oct-23	-169	
13-1400	Boiler Condition Check and Repair	70	70	0%	31-Mar-24	08-Jun-24	11-Apr-24	19-Jun-24	11	
13-1410	Remaining Equipment Installation at GL	120	114	5%	31-Mar-24 A	23-Jul-24	15-Oct-23	05-Feb-24	-169	
13-1420	Pipe Connection to FGT Unit	120	114	5%	28-Mar-24 A	21-Sep-24	14-Dec-23	05-Apr-24	-169	
13-1430	Pipe Insulation Works	120	120	0%	24-Jun-24	21-Oct-24	07-Jan-24	05-May-24	-169	
Process Building (Installation of Flue Gas Module)		327	175		15-Aug-23 A	21-Sep-24	08-Oct-23	05-May-24	-139	
FGC Train 1		305	153		15-Aug-23 A	30-Aug-24	08-Oct-23	08-Mar-24	-175	
13-1580	FGC Unit Condition Check and Repair	70	70	0%	31-Mar-24	08-Jun-24	31-Oct-23	08-Jan-24	-152	
13-1590	Remaining Equipment Installation at GL	90	12	86.67%	15-Aug-23 A	11-Apr-24	23-Oct-23	03-Nov-23	-160	
13-1600	Pipe Connection Works to TPU and Pipebridge	90	57	36.67%	01-Dec-23 A	26-May-24	08-Oct-23	03-Dec-23	-175	
13-1610	Pipe Insulation Works	90	90	0%	31-Mar-24	28-Jun-24	08-Oct-23	05-Jan-24	-175	
13-1620	Electrical instrument and Cabling Works	90	90	0%	02-Jun-24	30-Aug-24	10-Dec-23	08-Mar-24	-175	Changed relation to 16-1540 to FF+70
FGC Train 2		305	153		15-Aug-23 A	30-Aug-24	08-Oct-23	08-Mar-24	-175	
13-1650	FGC Unit Condition Check and Repair	70	70	0%	31-Mar-24	08-Jun-24	31-Oct-23	08-Jan-24	-152	
13-1655(6A)	Installation 4 nos. of Transformers for Process Module 1	14	14	0%	19-May-24	01-Jun-24	26-Nov-23	09-Dec-23	-175	
13-1660	Remaining Equipment Installation at GL	90	25	71.67%	15-Aug-23 A	25-Apr-24	16-Oct-23	10-Nov-23	-166	
13-1670	Pipe Connection Works to TPU and Pipebridge	90	45	50%	01-Jan-24 A	29-May-24	27-Oct-23	10-Dec-23	-171	
13-1680	Pipe Insulation Works	90	90	0%	31-Mar-24	28-Jun-24	08-Oct-23	05-Jan-24	-175	
13-1690	Electrical instrument and Cabling Works	90	90	0%	02-Jun-24	30-Aug-24	10-Dec-23	08-Mar-24	-175	Changed relation to 16-1540 to FF+70
FGC Train 3		173	167		31-Dec-23 A	13-Sep-24	25-Oct-23	27-Mar-24	-170	
13-1720	FGC Unit Condition Check and Repair	70	70	0%	31-Mar-24	08-Jun-24	18-Jan-24	27-Mar-24	-73	
13-1730	Remaining Equipment Installation at GL	90	51	43.33%	31-Dec-23 A	21-May-24	25-Oct-23	16-Dec-23	-157	
13-1740	Pipe Connection Works to TPU and Pipebridge	90	90	0%	31-Mar-24	29-Jun-24	26-Nov-23	24-Feb-24	-126	
13-1750	Pipe Insulation Works	90	90	0%	30-Apr-24	29-Jul-24	28-Dec-23	27-Mar-24	-123	
13-1760	Electrical instrument and Cabling Works	90	90	0%	16-Jun-24	13-Sep-24	26-Dec-23	24-Mar-24	-173	
FGC Train 4		198	167		31-Dec-23 A	13-Sep-24	25-Oct-23	27-Mar-24	-170	
13-1790	FGC Unit Condition Check and Repair	70	70	0%	31-Mar-24	08-Jun-24	18-Jan-24	27-Mar-24	-73	
13-1795(6A)	Installation 4 nos. of Transformers for Process Module 2	14	14	0%	02-Jun-24	15-Jun-24	12-Dec-23	25-Dec-23	-173	
13-1800	Remaining Equipment Installation at GL	90	61	32.22%	31-Dec-23 A	31-May-24	25-Oct-23	25-Dec-23	-157	
13-1810	Pipe Connection Works to TPU and Pipebridge	90	72	20%	20-Jan-24 A	30-Jun-24	17-Dec-23	26-Feb-24	-124	
13-1820	Pipe Insulation Works	90	90	0%	01-May-24	30-Jul-24	29-Dec-23	27-Mar-24	-124	
13-1830	Electrical instrument and Cabling Works	90	90	0%	16-Jun-24	13-Sep-24	26-Dec-23	24-Mar-24	-173	
FGC Train 5		206	175		10-Feb-24 A	21-Sep-24	14-Oct-23	05-May-24	-139	
13-1855(M63)-1	Removal of Temporary Steel from Prefab from FGC-5	14	7	50%	10-Feb-24 A	06-Apr-24	14-Oct-23	20-Oct-23	-169	
13-1855(M63)-2	FGC-5 Welding to Base Plate	14	2	85%	16-Mar-24 A	02-Apr-24	12-Nov-23	14-Nov-23	-140	



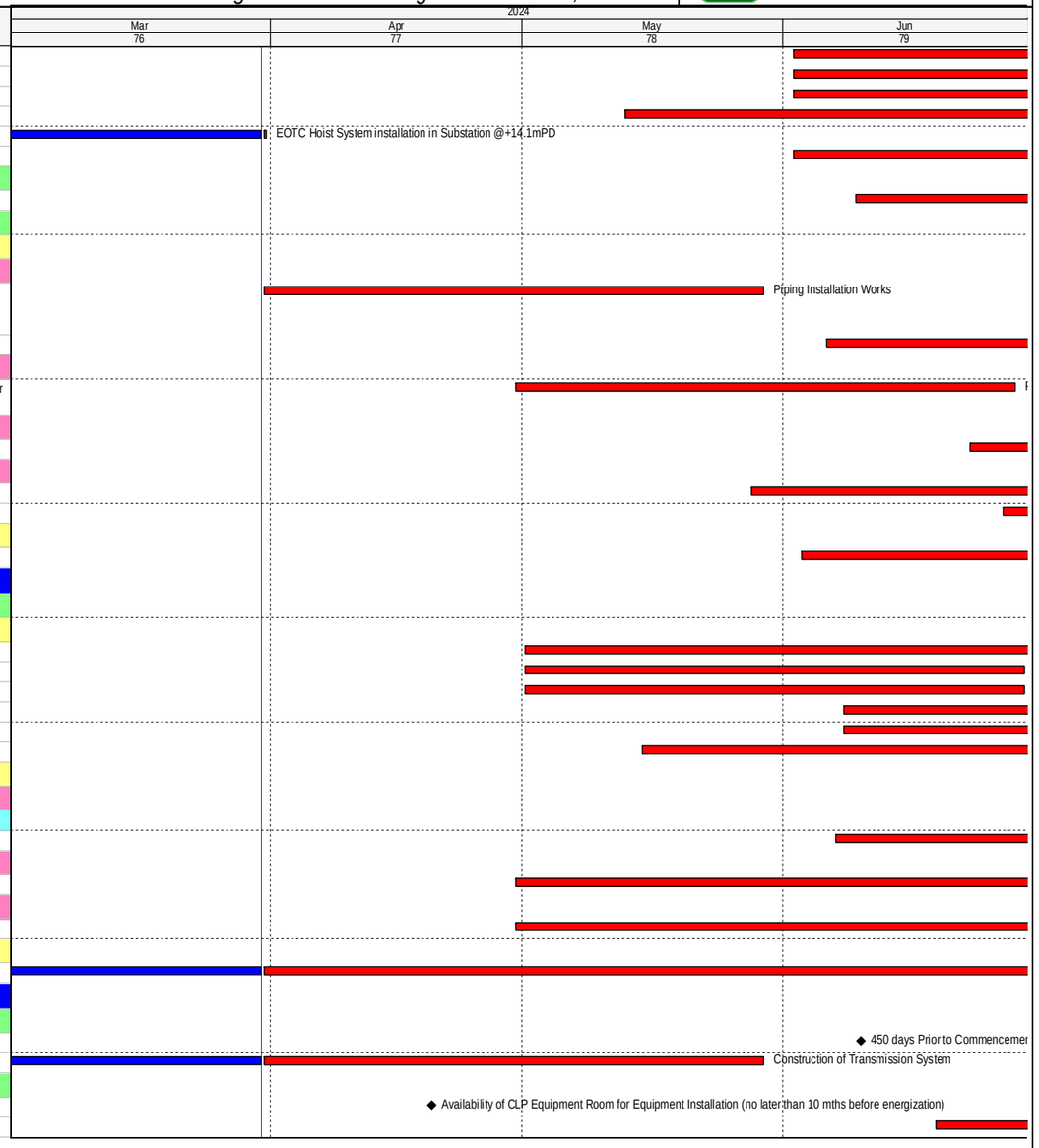
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Actrual Milestone
Critical Milestone

Activity ID	Activity Name	Original Duration	Remaining Duration	Activity % Complete	Current Start	Current Finish	Late Start	Late Finish	Total Float	M76 Remarks
13-1860	FGC Unit Condition Check and Repair	70	70	0%	02-Apr-24	11-Jun-24	26-Feb-24	05-May-24	-36	
13-1870	Remaining Equipment Installation at GL	90	72	20%	15-Mar-24 A	13-Jun-24	26-Nov-23	05-Feb-24	-128	
13-1880	Pipe Connection Works to TPU and Pipebridge	90	90	0%	24-Jun-24	21-Sep-24	07-Jan-24	05-Apr-24	-169	
FGC Train 6		174	174		06-Feb-24 A	20-Sep-24	14-Oct-23	05-May-24	-138	
13-1925(M63)-1	Removal of Temporary Steel from Prefab from FGC-6	14	2	85.71%	06-Feb-24 A	01-Apr-24	14-Oct-23	15-Oct-23	-169	
13-1930	FGC Unit Condition Check and Repair	70	70	0%	31-Mar-24	08-Jun-24	26-Feb-24	05-May-24	-34	
13-1940	Remaining Equipment Installation at GL	90	86	5%	31-Mar-24 A	24-Jun-24	12-Nov-23	05-Feb-24	-140	
13-1950	Pipe Connection Works to TPU and Pipebridge	90	90	0%	23-Jun-24	20-Sep-24	12-Jan-24	10-Apr-24	-163	
ACC Equipment Installation		144	144		08-Apr-24	29-Aug-24	26-Nov-23	29-Jun-24	-61	
ACC Equipment 1 Installation		140	140		08-Apr-24	25-Aug-24	26-Nov-23	29-Jun-24	-57	
13-2000-1(M63)	Condensate Tank & Equipments Delivery and installation (Module 1)	80	80	0%	08-Apr-24	26-Jun-24	26-Nov-23	13-Feb-24	-134	
13-2010	Piping and Instrument Installation and Connection Works	80	80	0%	08-May-24	26-Jul-24	11-Feb-24	30-Apr-24	-87	
13-2020	Pipe Insulation Works	80	80	0%	07-Jun-24	25-Aug-24	11-Apr-24	29-Jun-24	-57	
13-2030	Cable Laying and Termination Works	80	80	0%	07-Jun-24	25-Aug-24	11-Apr-24	29-Jun-24	-57	
ACC Equipment 2 Installation		90	90		01-Jun-24	29-Aug-24	24-Dec-23	22-Mar-24	-160	
13-2040-1(M63)	Condensate Tank & Equipments Delivery and installation (Module 2)	90	90	0%	01-Jun-24	29-Aug-24	24-Dec-23	22-Mar-24	-160	
Turbine Hall Bld Equipment Installation		218	187		15-Feb-24 A	03-Oct-24	29-Oct-23	29-Jun-24	-96	
Turbine Hall Module 1 Installation		181	150		15-Feb-24 A	27-Aug-24	29-Oct-23	26-Mar-24	-154	
13-2120-2(7)	Install temporary external enclosure for STG unpacking and assembly	30	30	0%	31-Mar-24	29-Apr-24	29-Oct-23	27-Nov-23	-154	
13-2120-3(7)	STG Module 1 unpack and assembly	30	30	0%	30-Apr-24	29-May-24	28-Nov-23	27-Dec-23	-154	
13-2130	Equipment, Piping and Instrument Installation and Connection Works	60	60	0%	30-May-24	28-Jul-24	28-Dec-23	25-Feb-24	-154	
13-2140	Turbine Hall Piping Insulation Works	60	60	0%	29-Jun-24	27-Aug-24	27-Jan-24	26-Mar-24	-154	
13-2150	Turbine Electrical installation and instrumentation Works	120	120	0%	30-Apr-24	27-Aug-24	28-Nov-23	26-Mar-24	-154	
13-2160(6)	Install Maintenance Girder & Crane at Module 1 @+22.247mPd	60	6	90%	15-Feb-24 A	05-Apr-24	22-Nov-23	27-Nov-23	-130	
Turbine Hall Module 2 Installation		168	168		19-Apr-24	03-Oct-24	19-Nov-23	25-Apr-24	-161	
13-2170	STG Module 2 transport to final position	7	7	0%	30-Apr-24	06-May-24	21-Nov-23	27-Nov-23	-161	
13-2170-1(11)	TBS Tower 2 Delivery	0	0	0%		30-May-24		22-Dec-23	-160	
13-2170-1(6H)	TBS Tower 2 transport to final position	8	8	0%	31-May-24	07-Jun-24	23-Feb-24	01-Mar-24	-98	
13-2170-2(7)	Install temporary external enclosure for STG unpacking and assembly	30	30	0%	07-May-24	05-Jun-24	28-Nov-23	27-Dec-23	-161	
13-2170-3(7)	STG Module 2 unpack and assembly	30	30	0%	06-Jun-24	05-Jul-24	28-Dec-23	26-Jan-24	-161	
13-2200	Turbine Electrical installation and instrumentation Works	120	120	0%	06-Jun-24	03-Oct-24	28-Dec-23	25-Apr-24	-161	
13-2210(6)	Install Maintenance Girder & Crane at Module 2 @+22.247mPd	21	21	0%	19-Apr-24	09-May-24	19-Nov-23	09-Dec-23	-152	changed dur to 21d
Turbine Hall Module 3 Installation		50	50		19-May-24	07-Jul-24	08-Dec-23	26-Jan-24	-163	
13-2220	STG Module 3 transport to final position	7	7	0%	24-May-24	30-May-24	13-Dec-23	19-Dec-23	-163	
13-2220-1(11)	TBS Tower 3 Delivery	0	0	0%		30-May-24		19-Dec-23	-163	
13-2220-1(6H)	TBS Tower 3 Transport to final position	8	8	0%	31-May-24	07-Jun-24	20-Dec-23	27-Dec-23	-163	
13-2220-2(7)	Install temporary external enclosure for STG unpacking and assembly	30	30	0%	08-Jun-24	07-Jul-24	28-Dec-23	26-Jan-24	-163	
13-2260(6)	Install Maintenance Girder & Crane at Module 3 @+22.247mPd	21	21	0%	19-May-24	08-Jun-24	08-Dec-23	28-Dec-23	-163	added predecessor 10-2350(7), Changed dur to 21d
Turbine Hall Electrical Room Equipment Installation		162	162		31-Mar-24	08-Sep-24	28-Nov-23	29-Jun-24	-71	
13-2280-1(6A)	Transport and Position 4 nos. of Transformers @ 1F (ZH)	30	30	0%	01-May-24	30-May-24	28-Nov-23	27-Dec-23	-155	
13-2300	Other Associated Equipment Installation	90	90	0%	01-May-24	29-Jul-24	28-Nov-23	25-Feb-24	-155	
13-2310	Cable Laying and Termination for Module 1	90	90	0%	31-May-24	28-Aug-24	28-Dec-23	26-Mar-24	-155	
Turbine Hall Electrical Room @+15.00mPD		150	150		31-Mar-24	27-Aug-24	28-Jan-24	29-Jun-24	-59	
13-2290-1(6B)	Switchgear & electrical equipment Installation 1F - I&C room (I/O, Server, Control Panel, Workstation)	150	150	0%	31-Mar-24	27-Aug-24	28-Jan-24	25-Jun-24	-63	
13-2290-2(6B)	Switchgear & electrical equipment Installation 1F - Generator Control Room (GPP,SP,DC batter Charger,Generator contr	150	150	0%	31-Mar-24	27-Aug-24	28-Jan-24	25-Jun-24	-63	
13-2290-3(6B)	Switchgear & electrical equipment Installation 1F - Battery Room (AC UPS,DC Battery Charger)	150	150	0%	31-Mar-24	27-Aug-24	28-Jan-24	25-Jun-24	-63	
13-2290-4(6B)	Switchgear & electrical equipment Installation 1F - HV Switch room (GCB)	150	150	0%	31-Mar-24	27-Aug-24	28-Jan-24	25-Jun-24	-63	
13-2290-5(6B)	Monorail Hoist System installation in Turbine Hall (1st Floor @+15)	90	90	0%	30-Apr-24	28-Jul-24	01-Apr-24	29-Jun-24	-29	
Turbine Hall Electrical Room @+23.50mPD		132	132		30-Apr-24	08-Sep-24	27-Feb-24	29-Jun-24	-71	
13-2280-2(6A)	Installation 6 nos. of Transformers @ Turbine Hall Electrical Room 3F 23.5mPD	120	120	0%	12-May-24	08-Sep-24	27-Feb-24	25-Jun-24	-75	
13-2290	Switchgear & electrical equipment Installation 3F (MCC-7,8,9,14,15,16, VSD ,soft starter,UPS)	120	120	0%	12-May-24	08-Sep-24	27-Feb-24	25-Jun-24	-75	
13-2290-6(6B)	Monorail Hoist System installation in Turbine Hall (3rd Floor @+23.5)	90	90	0%	30-Apr-24	28-Jul-24	01-Apr-24	29-Jun-24	-29	
Compressor & CCCW Bld Equipment Installation		151	151		25-Mar-24 A	28-Aug-24	07-Feb-24	29-Jun-24	-60	
Air Compressor Equipment Installation		141	141		25-Mar-24 A	18-Aug-24	10-Feb-24	29-Jun-24	-50	
13-2320	Air Compressor Rm Equipment installations	90	81	10%	25-Mar-24 A	19-Jun-24	10-Feb-24	30-Apr-24	-50	
13-2700(M62)	Piping installation and connections	90	90	0%	21-Apr-24	19-Jul-24	02-Mar-24	30-May-24	-50	
13-2710(M62)	Electrical Instrumentation and Insulation Installations	90	90	0%	21-May-24	18-Aug-24	01-Apr-24	29-Jun-24	-50	
13-2720(M62)	Cable Laying and Termination Works for Air Compressor	90	90	0%	21-May-24	18-Aug-24	01-Apr-24	29-Jun-24	-50	
CCCW Bld Equipment Installation		100	100		21-May-24	28-Aug-24	07-Feb-24	16-May-24	-104	
13-2330	CCCW Equipment Installation	100	100	0%	21-May-24	28-Aug-24	07-Feb-24	16-May-24	-104	Changed dur to 100
Water Treatment Bld Process Equipment Installation		161	161		19-May-24	27-Oct-24	12-Feb-24	17-Sep-24	-39	
13-2390	Mechanical Equipment and Piping Installation	150	150	0%	30-May-24	27-Oct-24	12-Feb-24	10-Jul-24	-108	
13-2410	Electrical and instrumentation Installation	150	150	0%	19-May-24	15-Oct-24	12-Feb-24	10-Jul-24	-97	
13-2410-1(6D)	Transformer @ WTP Bldg Switchroom +6.5mPD	150	150	0%	30-May-24	26-Oct-24	12-Feb-24	10-Jul-24	-108	
13-2410-3(6D)	Delivery and fabrication of Water Tank @+6.5mPD	90	90	0%	28-May-24	25-Aug-24	13-Mar-24	10-Jun-24	-76	
13-2410-4(6B)	EOTC & Monorail Hoist System installation in WTP +6.5mPD	90	90	0%	28-May-24	25-Aug-24	20-Jun-24	17-Sep-24	23	
13-2410-5(6B)	Monorail Hoist System installation in WTP +13.5mPD	90	90	0%	28-May-24	25-Aug-24	07-Apr-24	05-Jul-24	-51	
13-2410-6(6B)	MCC-12 @WTP Switch Room	90	90	0%	29-Jun-24	26-Sep-24	01-Apr-24	29-Jun-24	-89	
13-2410-7(6B)	DB for MCC-12 @ WTP Switch Room	90	90	0%	29-Jun-24	26-Sep-24	01-Apr-24	29-Jun-24	-89	
13-2410-8(6B)	UPS DB @ WTP Switch room @+6.5mPd	90	90	0%	29-Jun-24	26-Sep-24	01-Apr-24	29-Jun-24	-89	
IWMF Substation Bld Equipment Installation		204	173		31-Dec-23 A	19-Sep-24	08-Jan-24	26-May-24	-116	
13-2430	Deliver and Position of 11kV Trans formers @+6.5mPD (KS)	15	15	0%	14-Apr-24	29-Apr-24	23-Jan-24	06-Feb-24	-83	



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	M76 Remarks
13-2440	132kV GIS Switch Gear @+6.5mPD	110	110	0%	02-Jun-24	19-Sep-24	07-Feb-24	26-May-24	-116	
13-2450	GIS Insulation Switchboard installation	110	110	0%	02-Jun-24	19-Sep-24	07-Feb-24	26-May-24	-116	
13-2460	Main Switch Board Installation	110	110	0%	02-Jun-24	19-Sep-24	07-Feb-24	26-May-24	-116	
13-2470	Other Associated Equipment Installation	110	110	0%	13-May-24	31-Aug-24	07-Feb-24	26-May-24	-96	
13-2630(6B)	EOTC Hoist System installation in Substation @+14.1mPD	30	1	98%	31-Dec-23 A	31-Mar-24	08-Jan-24	08-Jan-24	-83	
13-2640(7)	Deliver and Position of EDGs	30	30	0%	02-Jun-24	01-Jul-24	07-Feb-24	07-Mar-24	-116	
Seawater Intake Chamber		90	90		09-Jun-24	07-Sep-24	01-Apr-24	29-Jun-24	-70	
13-2540-1(6B)	Monorail Hoist System installation in Sea Water Intake Pump Area	90	90	0%	09-Jun-24	07-Sep-24	01-Apr-24	29-Jun-24	-70	
External Process Pipe Works		174	174		31-Mar-24	20-Sep-24	13-Nov-23	26-Jun-24	-86	
Process and Non-process Piping Works		148	148		31-Mar-24	25-Aug-24	13-Nov-23	30-May-24	-87	
Piping from Module 1 to Turbine Bld		127	127		31-Mar-24	04-Aug-24	09-Jan-24	07-Apr-24	-119	
13-2550	Piping Installation Works	60	60	0%	31-Mar-24	29-May-24	09-Jan-24	08-Mar-24	-82	Added predecessor 10-2320(6) & 10-2330(6), change relation with 10-2300(6) FS+0
13-2560	Piping Pressure Test	60	60	0%	06-Jun-24	04-Aug-24	08-Feb-24	07-Apr-24	-119	
Pipe Rack Piping from Module 2 & 3 to Turbine Bld		60	60		30-Apr-24	28-Jun-24	13-Nov-23	11-Jan-24	-169	
13-2580	Piping Installation Works	60	60	0%	30-Apr-24	28-Jun-24	13-Nov-23	11-Jan-24	-169	Added predecessor, removed predecessor 13-2550
Pipe Bridge B Piping from Turbine Bld 1 to CCCW Bld		60	60		23-Jun-24	21-Aug-24	06-Jan-24	05-Mar-24	-169	
13-2670	Piping Installation Works	60	60	0%	23-Jun-24	21-Aug-24	06-Jan-24	05-Mar-24	-169	
Pipe Bridge C Piping from Turbine Bld to ACC 1		90	90		28-May-24	25-Aug-24	02-Mar-24	30-May-24	-87	
13-2640	Piping Installation Works	60	60	0%	28-May-24	26-Jul-24	02-Mar-24	30-Apr-24	-87	Added predecessor 13-2010 FF+0
13-2650	Piping Pressure Test	60	60	0%	27-Jun-24	25-Aug-24	01-Apr-24	30-May-24	-87	
Chimney Flue Gas Ducting Works		110	110		03-Jun-24	20-Sep-24	09-Mar-24	26-Jun-24	-86	
13-2510(7)	Fabrication and Delivery of Chimney Flue Gas Duct	110	110	0%	03-Jun-24*	20-Sep-24	09-Mar-24	26-Jun-24	-86	
Landscape, External Road and Drains Works		930	321		28-Apr-22 A	14-Feb-25	28-Nov-23	12-Oct-24	-125	
External Utilities Works		930	321		28-Apr-22 A	14-Feb-25	28-Nov-23	12-Oct-24	-125	
External Utilities C&S Works		290	290		01-May-24	14-Feb-25	28-Nov-23	12-Sep-24	-155	
14-1055(7)	Cable Duct and Drawpit	290	290	0%	01-May-24	14-Feb-25	28-Nov-23	12-Sep-24	-155	
14-4000(7)	Utility Trench Construction Section UT1 (27nr Semi-precast segments @3nrs/5d)	60	60	0%	01-May-24*	29-Jun-24	28-Nov-23	26-Jan-24	-155	
14-4010(7)	Utility Trench Construction Section UT2 (27nr Semi-precast segments @3nrs/5d)	60	60	0%	01-May-24	29-Jun-24	29-Dec-23	26-Feb-24	-124	
14-4020(7)	Utility Trench Construction Section UT3a (14nr Semi-precast segments @2nrs/5d)	45	45	0%	08-Jun-24*	22-Jul-24	28-Jan-24	12-Mar-24	-132	
14-4025(7)	Utility Trench Construction Section UT3b (11nr Semi-precast segments @2nrs/5d)	45	45	0%	08-Jun-24	22-Jul-24	07-Feb-24	22-Mar-24	-122	
14-4040(7)	Utility Trench Construction Section UT5 (29nr Semi-precast segments @3nrs/5d)	60	60	0%	15-May-24	13-Jul-24	27-Feb-24	26-Apr-24	-78	
Drainage Works		290	290		30-Apr-24	13-Feb-25	28-Dec-23	12-Oct-24	-124	
Overtopping Drain System		62	62		07-Jun-24	07-Aug-24	15-Jan-24	16-Mar-24	-144	
West Culvert (2.5m x 2.5m x 102m)		62	62		07-Jun-24	07-Aug-24	15-Jan-24	16-Mar-24	-144	
14-3010	Pipe Section (69m @5m/d)	62	62	0%	07-Jun-24	07-Aug-24	15-Jan-24	16-Mar-24	-144	
U/G Storm Drainge System		290	290		30-Apr-24	13-Feb-25	28-Dec-23	12-Oct-24	-124	
14-1000(6D)	External Drainage System Construction Works (Common trench construction Utility Trench)	290	290	0%	30-Apr-24	13-Feb-25	28-Dec-23	12-Oct-24	-124	
U/G Wastewater Drainage System		290	290		30-Apr-24	13-Feb-25	28-Dec-23	12-Oct-24	-124	
14-1000-1(M55)10	External Sewage Drainage System Construction Works (Common trench construction Utility Trench)	290	290	0%	30-Apr-24	13-Feb-25	28-Dec-23	12-Oct-24	-124	
Earthing System		180	106		28-Apr-22 A	15-Jul-24	09-Dec-23	24-Mar-24	-112	
16-1900-2(6)	Installation of Ground Earthing Mesh	180	106	41.05%	28-Apr-22 A	15-Jul-24	09-Dec-23	24-Mar-24	-112	
Works By CLP		381	290		30-Nov-23 A	14-Jan-25	05-Dec-23	30-Aug-24	-137	
Installation of Transmission System		162	71		30-Nov-23 A	10-Jun-24	05-Dec-23	02-Feb-24	-128	
15-0800	450 days Prior to Commencement of System Commissioning Test	0	0	0%	10-Jun-24		18-Dec-23		-175	
15-1000	Construction of Transmission System	90	60	33.33%	30-Nov-23 A	29-May-24	05-Dec-23	02-Feb-24	-117	
Remaining Installation Works by CLP		270	270		20-Apr-24	14-Jan-25	05-Dec-23	30-Aug-24	-137	
15-1005	Availability of CLP Equipment Room for Equipment Installation (no later than 10 mths before energization)	0	0	0%	20-Apr-24		05-Dec-23		-137	
15-1007	Telecom / Digital / Security / Metering Equipment Installation	210	210	0%	19-Jun-24	14-Jan-25	03-Feb-24	30-Aug-24	-137	



Actual Work
Remaining Work
Critical Remaining Work
Milestone
Actrual 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	Implemented 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	<u>Odour Removal by Deodorizers</u> • 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	<u>Air Pollution Control and Stack Monitoring</u>	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.								
-	<u>Treated Fly Ash and Air Pollution Control Residues:</u> • 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		
-	<u>Voluntary Enhancement Measure</u> • 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	<u>Drainage and Construction Site Runoff</u> 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	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		
	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.								

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		
	• Earthwork final surfaces should be well compacted and subsequent permanent 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	<u>General Construction Activities</u> 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	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		
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	<u>Waste Reduction Measures</u> 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	✓	✓				Deficiency of Mitigation Measures but rectified by the Contractor 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	<u>Dredged Sediment – Application of Dumping Permit</u> 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	<u>Dredged Sediment – Sediment Quality Report</u> 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
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	(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
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	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	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
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	licensed collector to transport and dispose of the chemical wastes, to either the Chemical Waste Treatment Centre at Tsing Yi, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.								
6b.5.1.14	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
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	- 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.	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		
	• Training of site personnel in proper waste management and chemical waste handling procedures; • 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;	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
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	• Encourage collection of aluminum cans, plastic bottles and packaging material (e.g. carton boxes) and office paper by individual collectors. Separate labelled bins should be provided to help segregate this waste from other general refuse generated by the work force; and • 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
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	• 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	<u>Fuel Oil Pipeline Construction and Test</u> • 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	<u>Fuel Oil Leakage Detection</u> • 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	<u>Fuel Oil Storage Tank Refuelling</u>	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	<u>Fuel Oil Spillage Response</u> 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

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	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/								

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	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
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	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

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	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
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7b.8.2.1	<u>Measures to avoid direct loss of intertidal habitat</u> • 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	<u>Measures to minimise loss of coastal subtidal habitat</u> • 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	<u>Zero Discharge Scheme</u> • 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

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	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	<u>Measures to avoid loss of plant species of conservation importance</u> • 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	<u>Measures to minimise water quality impact</u> • 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	<u>Measures to minimise disturbance on Finless Porpoise</u> *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

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	• 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)	

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	- 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								

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	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								

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	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								

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	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								

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	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								

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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.

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	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	<u>Measures to minimize accidental spillage</u> • 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	<u>Measures to minimise sewage effluent</u> • 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	<u>Measures to minimise drainage and construction runoff</u>	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		
	• Potential ecological impacts resulted from potential degradation of water quality due to unmitigated surface runoff could be minimised via the detailed mitigation measures in **Section 5b.8** of the EIA Report. The following presents some of the mitigation measures: - On-site drainage system with implemented sedimentation control facilities. - 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.								

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		
	- Open stockpiles of construction materials, and construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms.								
7b.8.3.48	<u>Measures to minimise impacts from general construction activities</u> • 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	<u>Pest Control</u> Good waste management practices should be adopted at the IWMF in order to minimise the risk of introduction of pest to the island: - Transportation of wastes in enclosed containers - Waste storage area should be well maintained and cleaned - Waste should only be disposed of at designated areas - Timely removal of the newly arrived waste - Removal of items that are capable of retaining water	IWMF site	IWMF operator			✓			N/A

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		
	- Rapid clean up of any waste spillages - 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	<u>Control of Marine Habitat Quality during Operation Phase</u> • 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

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.8.4.1 – 7b.8.4.8	<u>Compensation of loss of important habitat of Finless Porpoise</u> *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	Waters between Shek Kwu Chau and Soko Islands	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 designation should be established, and the extent and location of the proposed marine park be determined. The adequacy of enhancement measures should also be reviewed. • 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	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 habitats. ARs are proposed to be deployed within the proposed marine park under this Project. The exact location, dimension and type of ARs to be deployed are to be further investigated along with the further study of the proposed marine park under this Project. The proposed ARs would be deployed at the same time as the complete designation of marine park. *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	<u>Measures to control water quality</u> • 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	<u>Additional Enhancement / Precautionary Measures</u> • 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	<u>Landscape Design</u> 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	<u>Adoption of Natural Features of the Existing Shoreline</u> 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	<u>Greening Design (Rooftop & Vertical Greening)</u> 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

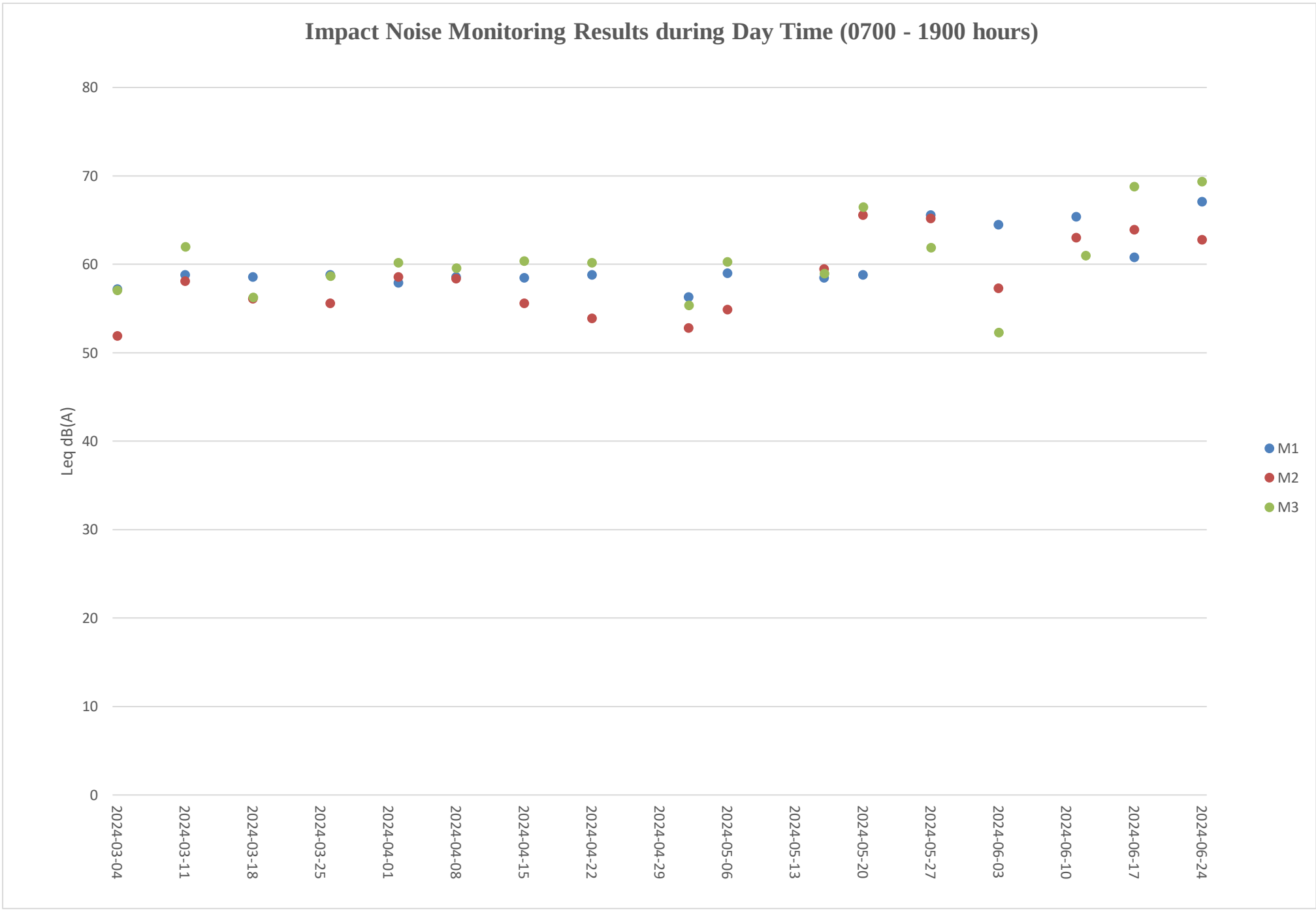
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
S10b.10 MVC-01	<u>Visual Mitigation and Aesthetic Design</u> 1) Use of natural materials 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

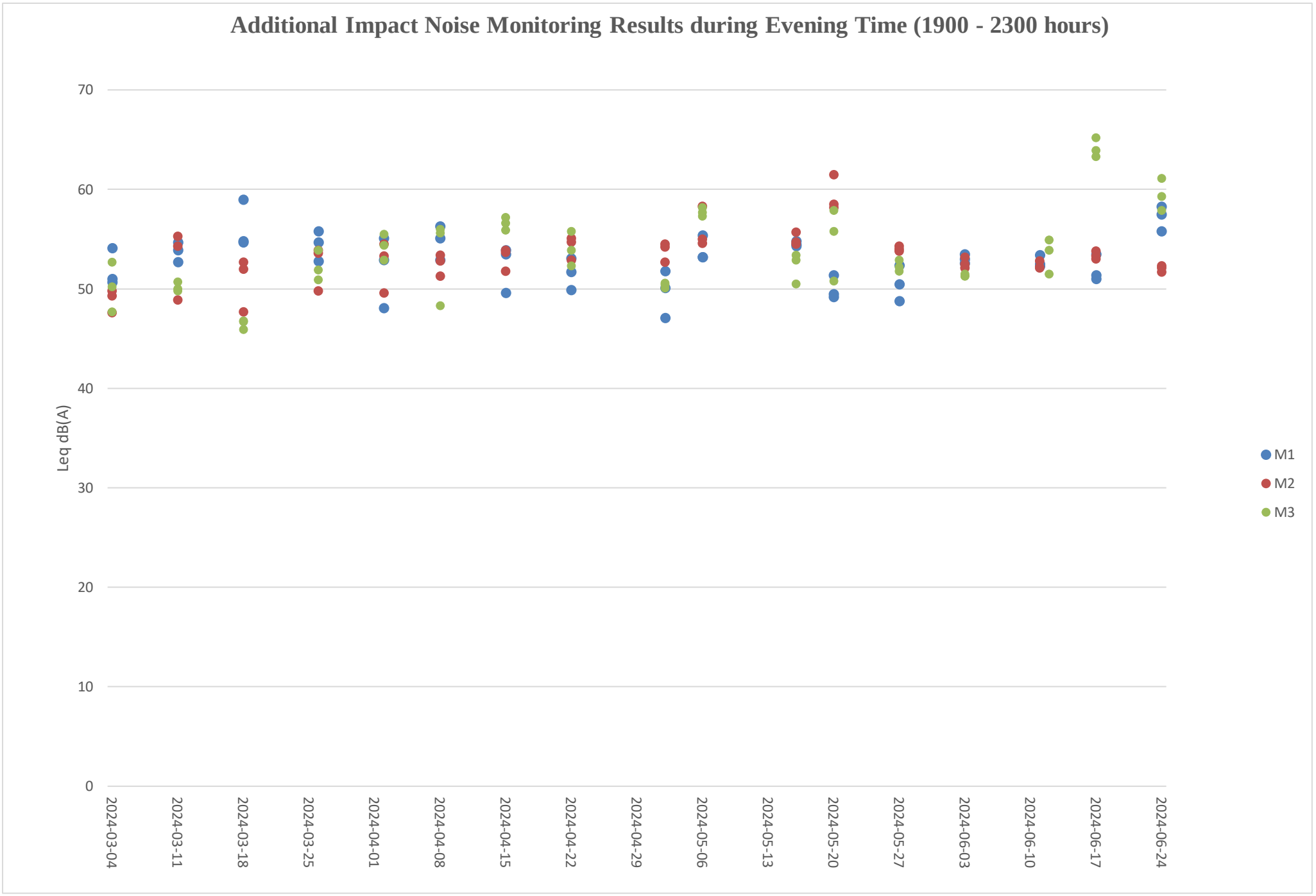
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
S10b.10 MVC-03	Optimization of the construction sequence and construction programme 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	<u>Planting Maintenance</u> 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	<u>Environmental Education Centre</u> Development of an Environmental Education Center, in which regular exhibitions and lectures to promote environmental awareness and waste reduction concept would be provided, as a part of the IWMF for the general public to alleviate negative public perceptions of the development.	Project site / During Operation phase	Contractor			✓			N/A
S10b.10 MVO-02	<u>Control of Light</u> Control the numbers of lights and their intensity to a level that is good enough to meet the safety requirements at night but not excessive.	Project site / During Operation phase	Contractor			✓			N/A

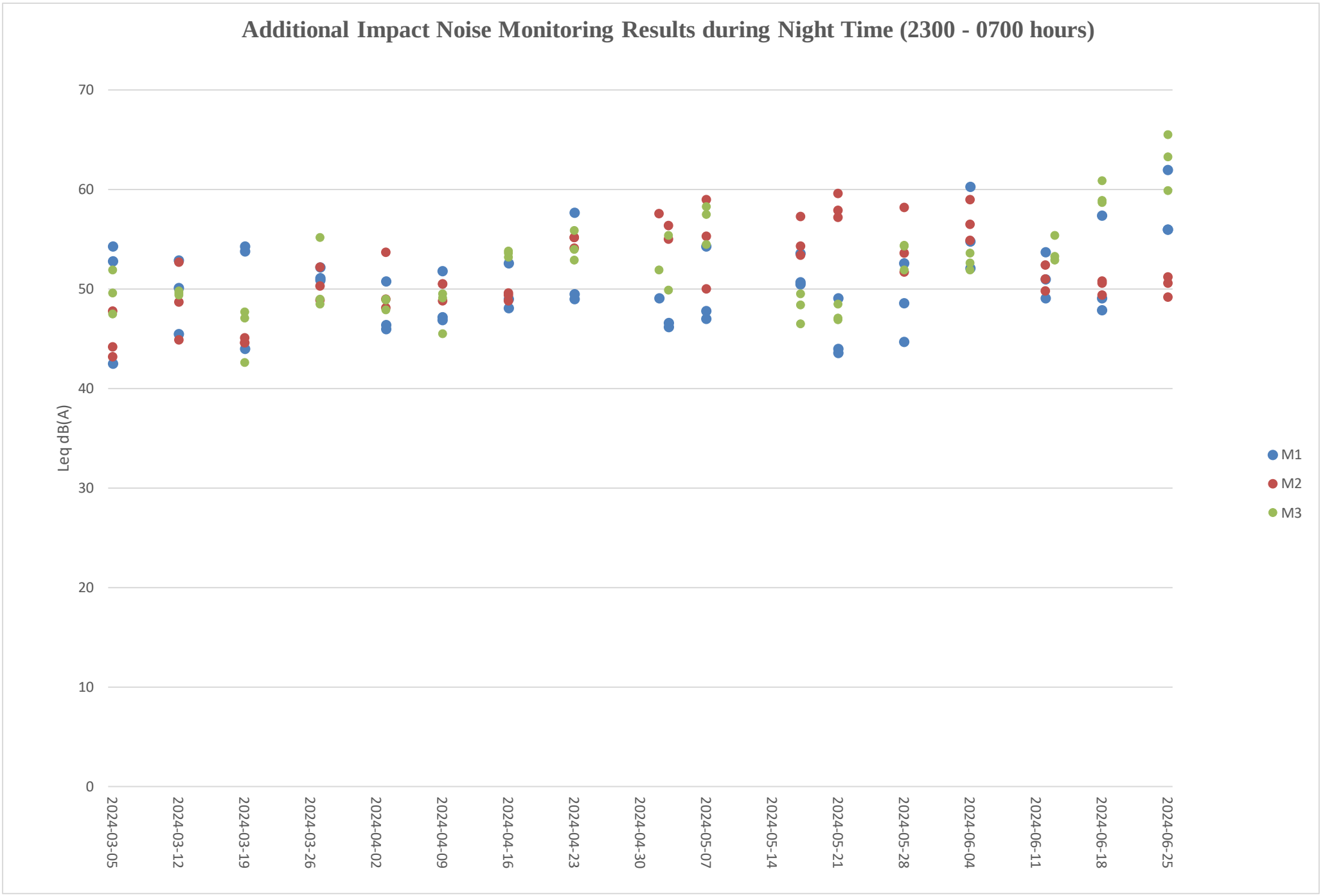
EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	Implementation Status and Remarks
				Des	C	O	Dec		
S10b.10 MVO-03	Control of Operation Time Minimization of the frequency of waste transportation 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 Noise Monitoring Data Trending


Impact Noise Monitoring Results during Day Time (0700 - 1900 hours)
Leq dB(A)
80
70
60
50
40
30
20
10
0
2024-03-04
2024-03-11
2024-03-18
2024-03-25
2024-04-01
2024-04-08
2024-04-15
2024-04-22
2024-04-29
2024-05-06
2024-05-13
2024-05-20
2024-05-27
2024-06-03
2024-06-10
2024-06-17
2024-06-24
M1
M2
M3


Additional Impact Noise Monitoring Results during Evening Time (1900 - 2300 hours)
Leq dB(A)
70
60
50
40
30
20
10
0
2024-03-04
2024-03-11
2024-03-18
2024-03-25
2024-04-01
2024-04-08
2024-04-15
2024-04-22
2024-04-29
2024-05-06
2024-05-13
2024-05-20
2024-05-27
2024-06-03
2024-06-10
2024-06-17
2024-06-24
M1
M2
M3


Additional Impact Noise Monitoring Results during Night Time (2300 - 0700 hours)
Leq dB(A)
70
60
50
40
30
20
10
0
2024-03-05
2024-03-12
2024-03-19
2024-03-26
2024-04-02
2024-04-09
2024-04-16
2024-04-23
2024-04-30
2024-05-07
2024-05-14
2024-05-21
2024-05-28
2024-06-04
2024-06-11
2024-06-18
2024-06-25
M1
M2
M3

Summary of the Construction Activities Undertaken during the Reporting Period

Location of works	Construction activities undertaken	Remarks on progress
Reclamation area	• Pile cap construction • Structural steel work • Superstructure construction	• On-going • On-going • On-going
Seawall portion	• Caisson extension works, from +3mPD to +6mPD, at Seawall A and B • Construction of wave wall along the vertical seawall above +3mPD	• On-going • On-going

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

Monitoring date: 02, 08, 15 and 22 April 2024 (Daytime)

02&03, 08&09, 15&16 and 22&23 April 2024 (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
02 Apr 2024	13:44	-	14:14	Fine	57.9	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
02 Apr 2024	19:04	-	19:09	Fine	55.1	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:09	-	20:14		52.9		
	21:04	-	21:09		48.1		
03 Apr 2024	1:14	-	1:19	Fine	46.0	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:14	-	3:19		46.4		
	5:59	-	6:04		50.8		
08 Apr 2024	13:46	-	14:16	Fine	58.6	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
08 Apr 2024	19:16	-	19:21	Fine	55.1	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:06	-	20:11		56.3		
	21:36	-	21:41		52.9		
09 Apr 2024	1:06	-	1:11	Fine	46.9	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:11	-	3:16		47.2		
	5:06	-	5:11		51.8		
15 Apr 2024	13:37	-	14:07	Fine	57.9	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
15 Apr 2024	19:12	-	19:17	Fine	55.1	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:02	-	20:07		52.9		
	21:42	-	21:47		48.1		
16 Apr 2024	1:12	-	1:17	Fine	46.0	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:27	-	3:32		46.4		
	5:07	-	5:12		50.8		
22 Apr 2024	13:14	-	13:44	Cloudy	58.8	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
22 Apr 2024	19:09	-	19:14	Fine	51.7	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:04	-	20:09		53.1		
	21:04	-	21:09		49.9		
23 Apr 2024	1:44	-	1:49	Fine	49.5	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:14	-	3:19		49.0		
	5:04	-	5:09		57.7		

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

Monitoring date: 02, 08, 15 and 22 April 2024 (Daytime)

02&03, 08&09, 15&16 and 22&23 April 2024 (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
02 Apr 2024	13:58	-	14:28	Fine	58.6	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
02 Apr 2024	19:03	-	19:08	Fine	54.5	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:08	-	20:13		53.3		
	21:08	-	21:13		49.6		
03 Apr 2024	1:13	-	1:18	Fine	49.0	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:13	-	3:18		48.1		
	5:53	-	5:58		53.7		
08 Apr 2024	13:30	-	14:00	Fine	58.4	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
08 Apr 2024	19:15	-	19:20	Fine	53.4	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:10	-	20:15		52.8		
	21:35	-	21:40		51.3		
09 Apr 2024	1:05	-	1:10	Fine	48.8	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:10	-	3:15		50.5		
	5:05	-	5:10		50.5		
15 Apr 2024	13:45	-	14:15	Fine	58.6	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
15 Apr 2024	19:15	-	19:20	Fine	54.5	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:05	-	20:10		53.3		
	21:40	-	21:45		49.6		
16 Apr 2024	1:10	-	1:15	Fine	49.0	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:25	-	3:30		48.1		
	5:05	-	5:10		53.7		
22 Apr 2024	13:26	-	13:56	Cloudy	53.9	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
22 Apr 2024	19:06	-	19:11	Fine	52.9	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:01	-	20:06		54.7		
	21:06	-	21:11		55.1		
23 Apr 2024	1:31	-	1:36	Fine	55.2	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:36	-	3:41		54.1		
	5:31	-	5:36		55.2		

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

Monitoring date: 02, 08, 15 and 22 April 2024 (Daytime)

02&03, 08&09, 15&16 and 22&23 April 2024 (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
02 Apr 2024	13:34	-	14:04	Fine	60.2	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
02 Apr 2024	19:04	-	19:09	Fine	55.5	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:09	-	20:14		52.9		
	21:09	-	21:14		54.4		
03 Apr 2024	1:39	-	1:44	Fine	48.9	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:14	-	3:19		49.0		
	5:49	-	5:54		47.9		
08 Apr 2024	13:38	-	14:08	Fine	59.6	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
08 Apr 2024	19:18	-	19:23	Fine	55.6	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:08	-	20:13		56.0		
	21:38	-	21:43		48.3		
09 Apr 2024	1:13	-	1:18	Fine	49.5	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:18	-	3:23		45.5		
	5:13	-	5:18		49.1		
15 Apr 2024	13:33	-	14:03	Fine	60.2	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
15 Apr 2024	19:13	-	19:18	Fine	55.5	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:08	-	20:13		52.9		
	21:53	-	21:58		54.4		
16 Apr 2024	1:03	-	1:08	Fine	48.9	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:48	-	3:53		49.0		
	5:08	-	5:13		47.9		
22 Apr 2024	13:35	-	14:05	Cloudy	60.2	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
22 Apr 2024	19:15	-	19:20	Fine	52.3	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:10	-	20:15		55.8		
	21:10	-	21:15		53.9		
23 Apr 2024	1:25	-	1:30	Fine	52.9	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:40	-	3:45		54.0		
	5:30	-	5:35		55.9		

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

Monitoring date: 02, 06, 16, 20 and 27 May 2024 (Daytime)

02&03, 06&07, 16&17 and 27&28 May 2024 (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
02 May 2024	13:26	-	13:56	Cloudy	56.3	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
02 May 2024	19:11	-	19:16	Fine	50.1	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:21	-	20:26		51.8		
	21:16	-	21:21		47.1		
03 May 2024	1:11	-	1:16	Fine	46.6	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:16	-	3:21		46.2		
	5:11	-	5:16		49.1		
06 May 2024	13:18	-	13:48	Fine	59.0	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
06 May 2024	19:08	-	19:13	Fine	55.4	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:08	-	20:13		53.2		
	21:08	-	21:13		53.2		
07 May 2024	1:13	-	1:18	Fine	47.0	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:23	-	3:28		47.8		
	5:18	-	5:23		54.3		
16 May 2024	13:55	-	14:25	Fine	58.5	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
16 May 2024	19:15	-	19:20	Fine	54.8	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:05	-	20:10		54.5		
	21:05	-	21:10		54.3		
17 May 2024	1:15	-	1:20	Fine	50.5	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:10	-	3:15		50.7		
	5:15	-	5:20		53.6		
20 May 2024	13:54	-	14:24	Cloudy	58.8	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
20 May 2024	19:14	-	19:19	Fine	51.4	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:19	-	20:24		49.5		
	21:04	-	21:09		49.2		
21 May 2024	1:04	-	1:09	Fine	43.6	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:09	-	3:14		44.0		
	5:04	-	5:09		49.1		

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Sound Level Meter Used	Calibrator Used
27 May 2024	14:00	-	14:30	Cloudy	65.6	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
27 May 2024	19:25	-	19:30	Fine	50.5	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:15	-	20:20		52.4		
	21:15	-	21:20		48.8		
28 May 2024	1:10	-	1:15	Fine	48.6	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:20	-	3:25		44.7		
	5:25	-	5:30		52.6		

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

Monitoring date: 02, 06, 16, 20 and 27 May 2024 (Daytime)

02&03, 06&07, 16&17 and 27&28 May 2024 (Evening & Nighttime)

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

Noise source other than construction activities from the Project: Cicada Chirping

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
02 May 2024	13:36	-	14:06	Cloudy	52.8	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
02 May 2024	19:21	-	19:26	Fine	54.2	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:26	-	20:31		52.7		
	21:21	-	21:26		54.5		
03 May 2024	1:11	-	1:16	Fine	55.0	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:16	-	3:21		56.4		
	5:11	-	5:16		57.6		
06 May 2024	13:26	-	13:56	Fine	54.9	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
06 May 2024	19:06	-	19:11	Fine	55.0	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:11	-	20:16		58.3		
	21:06	-	21:11		54.6		
07 May 2024	1:11	-	1:16	Fine	55.3	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:21	-	3:26		50.0		
	5:16	-	5:21		59.0		
16 May 2024	14:02	-	14:32	Fine	59.5	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
16 May 2024	19:17	-	19:22	Fine	54.7	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:07	-	20:12		55.7		
	21:07	-	21:12		54.5		
17 May 2024	1:12	-	1:17	Fine	53.4	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:12	-	3:17		54.3		
	5:12	-	5:17		57.3		
20 May 2024	13:31	-	14:01	Cloudy	65.6	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
20 May 2024	19:16	-	19:21	Fine	58.5	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:21	-	20:26		61.5		
	21:06	-	21:11		58.2		
21 May 2024	1:06	-	1:11	Fine	57.9	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:11	-	3:16		57.2		
	5:01	-	5:06		59.6		

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Sound Level Meter Used	Calibrator Used
27 May 2024	14:41	-	15:11	Cloudy	65.2	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
27 May 2024	19:26	-	19:31	Fine	54.0	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:16	-	20:21		54.3		
	21:11	-	21:16		53.8		
28 May 2024	1:06	-	1:11	Fine	51.7	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:31	-	3:36		53.6		
	5:11	-	5:16		58.2		

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

Monitoring date: 02, 06, 16, 20 and 27 May 2024 (Daytime)

02&03, 06&07, 16&17 and 27&28 May 2024 (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
02 May 2024	13:29	-	13:59	Cloudy	55.4	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
02 May 2024	19:29	-	19:34	Fine	50.4	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:24	-	20:29		50.1		
	21:19	-	21:24		50.6		
03 May 2024	1:19	-	1:24	Fine	55.4	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:14	-	3:19		49.9		
	5:19	-	5:24		51.9		
06 May 2024	13:15	-	13:45	Fine	60.3	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
06 May 2024	19:05	-	19:10	Fine	58.2	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:10	-	20:15		57.7		
	21:10	-	21:15		57.3		
07 May 2024	1:10	-	1:15	Fine	57.5	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:20	-	3:25		58.3		
	5:10	-	5:15		54.5		
16 May 2024	13:46	-	14:16	Fine	59.0	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
16 May 2024	19:11	-	19:16	Fine	53.4	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:01	-	20:06		52.9		
	21:11	-	21:16		50.5		
17 May 2024	1:16	-	1:21	Fine	48.4	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:06	-	3:11		46.5		
	5:16	-	5:21		49.5		
20 May 2024	16:16	-	16:46	Cloudy	66.5	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
20 May 2024	19:36	-	19:41	Fine	50.8	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:41	-	20:46		57.9		
	21:16	-	21:21		55.8		
21 May 2024	1:11	-	1:16	Fine	46.9	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:11	-	3:16		47.1		
	5:16	-	5:21		48.5		

Date	Start time		End time	Weather	$L_{eq\ 30min}$ dB(A) / $L_{eq\ 5min}$ dB(A)	Sound Level Meter Used	Calibrator Used
27 May 2024	14:16	-	14:46	Cloudy	61.9	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
27 May 2024	19:26	-	19:31	Fine	52.9	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:11	-	20:16		51.8		
	21:11	-	21:16		52.2		
28 May 2024	1:06	-	1:11	Fine	54.3	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:36	-	3:41		51.9		
	5:06	-	5:11		54.4		

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

Monitoring date: 03, 11, 17 and 24 June 2024 (Daytime)

03&04, 11&12, 17&18 and 24&25 June 2024 (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
02 June 2024	13:58	-	14:28	Cloudy	64.5	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
02 June 2024	19:28	-	19:33	Fine	53.5	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:23	-	20:28		53.0		
	21:23	-	21:28		52.6		
03 June 2024	1:23	-	1:28	Fine	52.1	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:23	-	3:28		54.8		
	5:18	-	5:23		60.3		
11 June 2024	13:41	-	14:11	Fine	65.4	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
11 June 2024	19:41	-	19:46	Fine	53.4	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:21	-	20:26		52.5		
	21:16	-	21:21		52.3		
12 June 2024	1:11	-	1:16	Fine	51.0	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:11	-	3:16		49.1		
	5:11	-	5:16		53.7		
17 June 2024	13:37	-	14:07	Sunny	60.8	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
17 June 2024	19:22	-	19:27	Fine	53.5	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:27	-	20:32		51.0		
	21:17	-	21:22		51.4		
18 June 2024	1:07	-	1:12	Fine	49.1	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:17	-	3:22		47.9		
	4:57	-	5:02		57.4		
24 June 2024	14:17	-	14:47	Fine	67.1	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
24 June 2024	19:47	-	19:52	Fine	55.8	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	20:27	-	20:32		58.3		
	21:52	-	21:57		57.5		
25 June 2024	1:17	-	1:22	Fine	56.0	SVAN 971 (Serial No. C119577)	Rion NC-75 (No.34724243)
	3:17	-	3:22		56.0		
	5:02	-	5:07		62.0		

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

Monitoring date: 03, 11, 17 and 24 June 2024 (Daytime)

03&04, 11&12, 17&18 and 24&25 June 2024 (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
02 June 2024	14:08	-	14:38	Cloudy	57.3	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
02 June 2024	19:23	-	19:28	Fine	52.5	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:28	-	20:33		52.1		
	21:28	-	21:33		53.2		
03 June 2024	1:23	-	1:28	Fine	54.9	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:28	-	3:33		56.5		
	5:33	-	5:38		59.0		
11 June 2024	13:54	-	14:24	Fine	63.0	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
11 June 2024	19:44	-	19:49	Fine	52.8	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:24	-	20:29		52.2		
	21:14	-	21:19		52.1		
12 June 2024	1:14	-	1:19	Fine	51.0	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:14	-	3:19		49.8		
	5:19	-	5:24		52.4		
17 June 2024	13:48	-	14:18	Sunny	63.9	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
17 June 2024	19:28	-	19:33	Fine	53.8	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:33	-	20:38		53.0		
	21:18	-	21:23		53.3		
18 June 2024	1:08	-	1:13	Fine	50.6	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:18	-	3:23		49.4		
	4:58	-	5:03		50.8		
24 June 2024	14:26	-	14:56	Fine	62.8	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
24 June 2024	19:41	-	19:46	Fine	52.3	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	20:26	-	20:31		52.1		
	21:51	-	21:56		51.7		
25 June 2024	1:16	-	1:21	Fine	50.6	SVAN 971 (Serial No. 96063)	Rion NC-75 (No.34724243)
	3:16	-	3:21		49.2		
	5:11	-	5:16		51.2		

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

Monitoring date: 03, 12, 17 and 24 June 2024 (Daytime)

03&04, 12&13, 17&18 and 24&25 June 2024 (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, Construction works of Signal Tower

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
02 June 2024	13:50	-	14:20	Cloudy	52.3	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
02 June 2024	19:20	-	19:25	Fine	51.3	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:25	-	20:30		51.5		
	21:20	-	21:25		51.3		
03 June 2024	1:25	-	1:30	Fine	51.9	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:15	-	3:20		53.6		
	5:30	-	5:35		52.6		
12 June 2024	13:44	-	14:14	Fine	61	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
12 June 2024	19:44	-	19:49	Fine	51.5	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:24	-	20:29		54.9		
	21:24	-	21:29		53.9		
13 June 2024	1:34	-	1:39	Fine	53.3	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:29	-	3:34		52.9		
	5:19	-	5:24		55.4		
17 June 2024	11:37	-	12:07	Sunny	68.8	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
17 June 2024	19:47	-	19:52	Fine	65.2	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:32	-	20:37		63.9		
	21:17	-	21:22		63.3		
18 June 2024	1:32	-	1:37	Fine	58.7	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:07	-	3:12		58.9		
	5:02	-	5:07		60.9		
24 June 2024	13:10	-	13:40	Fine	69.4	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
24 June 2024	19:45	-	19:50	Fine	61.1	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	20:20	-	20:25		57.9		
	21:20	-	21:25		59.3		
25 June 2024	1:20	-	1:25	Fine	65.5	SVAN 971 (Serial No. C132261)	Rion NC-75 (No.34724243)
	3:40	-	3:45		59.9		
	5:05	-	5:10		63.3		

Appendix D 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)

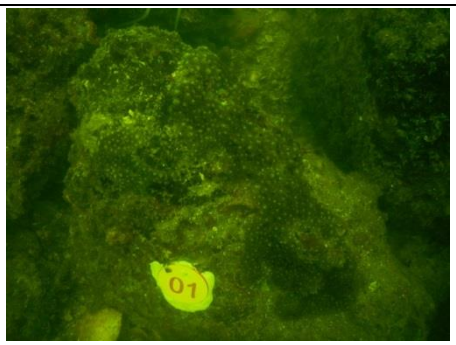
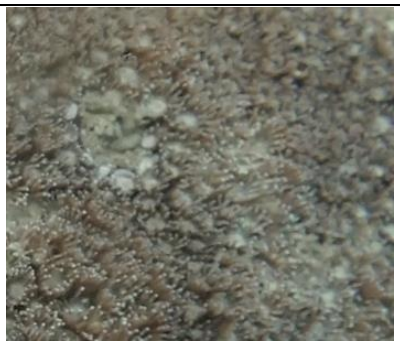
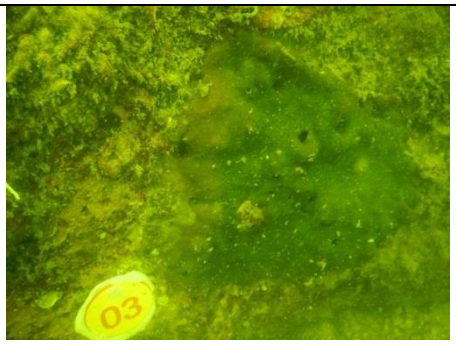
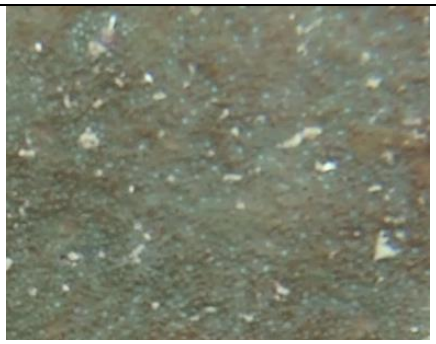
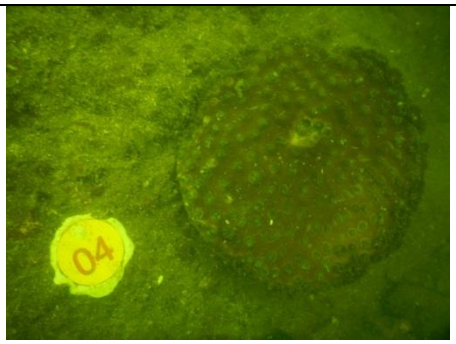
Project : Integrated Waste Management Facilities, Phase 1 Contract No.: EP/SP/66/12

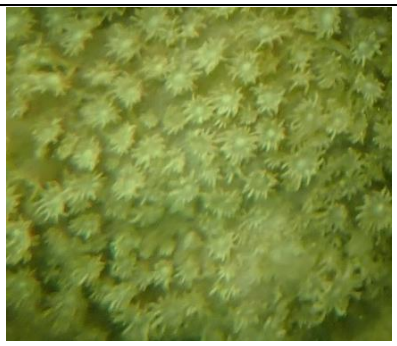
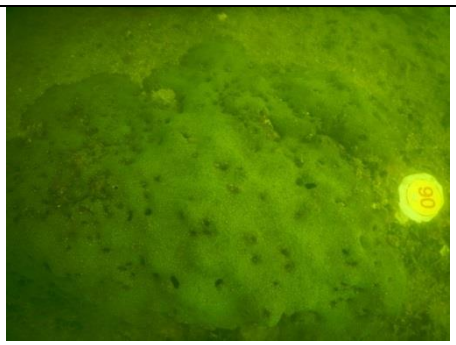
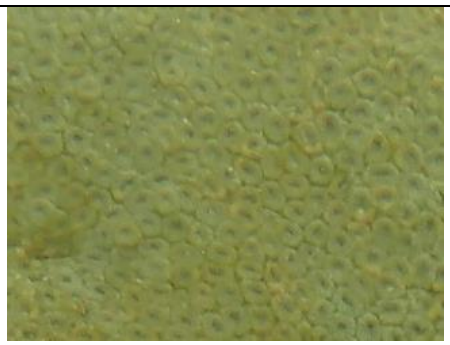
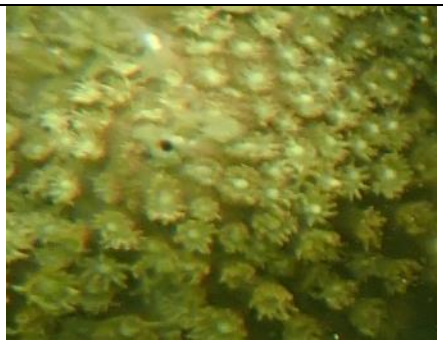
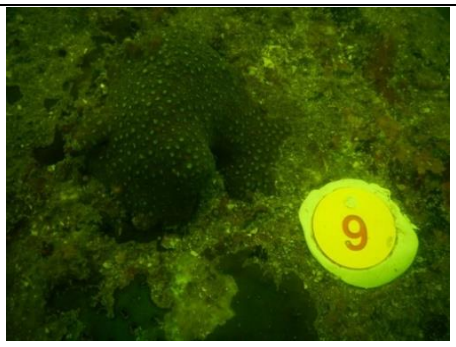
Month	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Reused in other Projects (see Note 4)	Disposed as Public Fill (see Note 4)	Imported 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														
Aug														
Sep														
Oct														
Nov														
Dec														
Total	11.4253	0	0	6.3800	5.0453	0	0	0.5120	22.8700	0.9720	0	0	0	2.9510

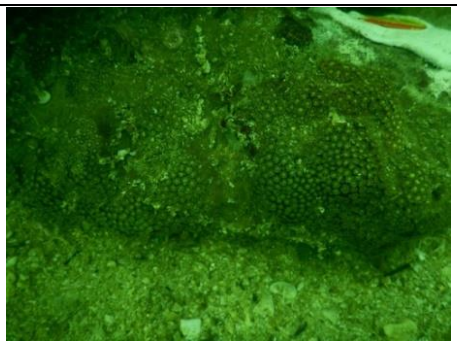
Notes:
(1) Broken concrete for recycling into aggregates.
(2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.
(3) Use the conversion factor : 1 full load of dumping truck being equivalent to 6.5m^3 by volume.
(4) Use the conversion factor: sand density = 1.6T/m^3, public fill density = 1.8T/m^3 and rock density = 2T/m^3.
(5) Materials recycled.

Appendix E Photo Records for Coral Monitoring

Photo Plate for Tagged and Re-tagged Corals at Control Site during the 22nd Quarterly Coral Monitoring during Construction Phase on 28 June 2024

Tag #	Baseline (26 June 2018 & 3 December 2018)	28 June 2024
#1	 *Goniopora stutchburyi*	 *Goniopora stutchburyi*
#2R	 *Goniopora stutchburyi*	 *Goniopora stutchburyi*
#3	 *Psammocora superficialis*	 *Psammocora superficialis*
#4	 *Turbinaria peltata*	 *Turbinaria peltata*

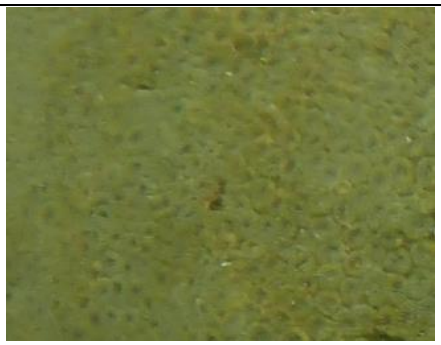
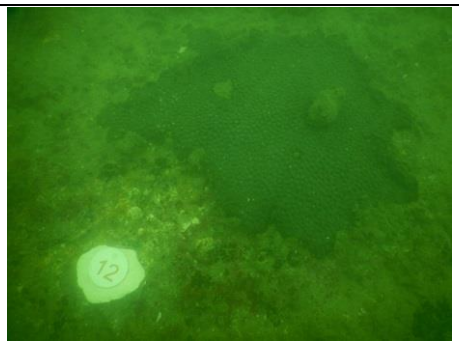
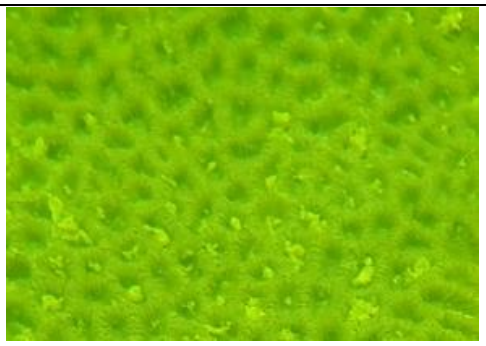
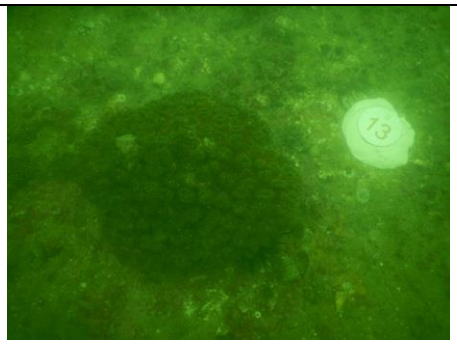
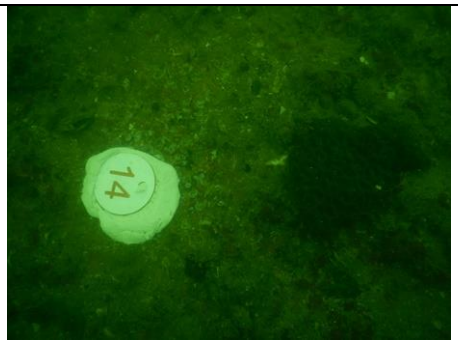
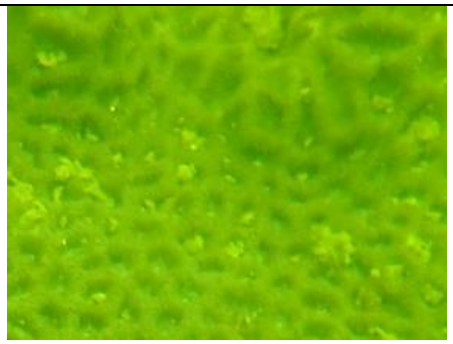
Tag #	Baseline (26 June 2018 & 3 December 2018)	28 June 2024
#5R	 *Goniopora stutchburyi*	 *Goniopora stutchburyi*
#6	 *Cyphastrea serailia*	 *Cyphastrea serailia*
#7R	 *Coscinaraea* sp.	 *Coscinaraea* sp.
#8	 *Goniopora stutchburyi*	 *Goniopora stutchburyi*
#9	 *Goniopora stutchburyi*	 *Goniopora stutchburyi*

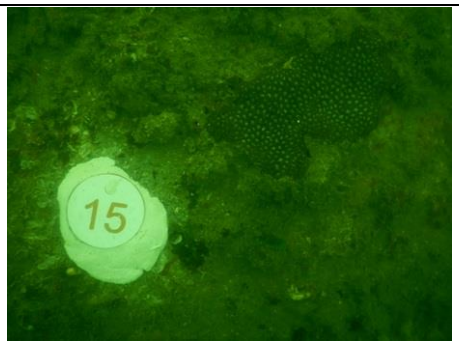
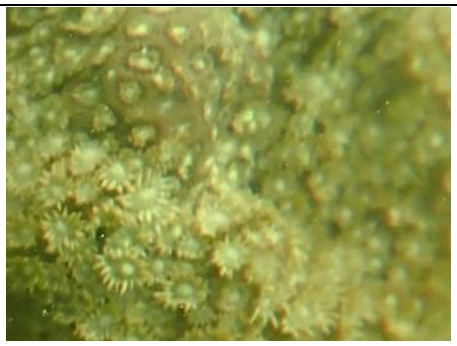
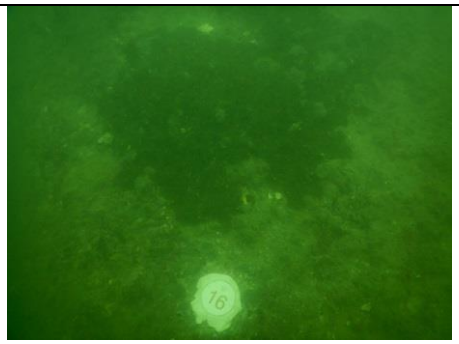
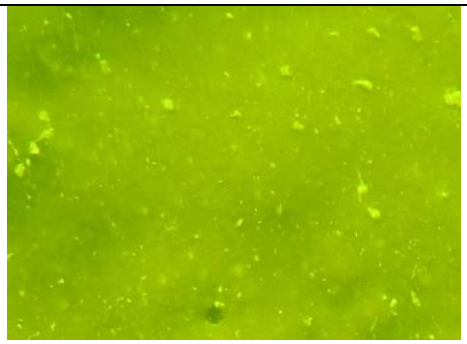
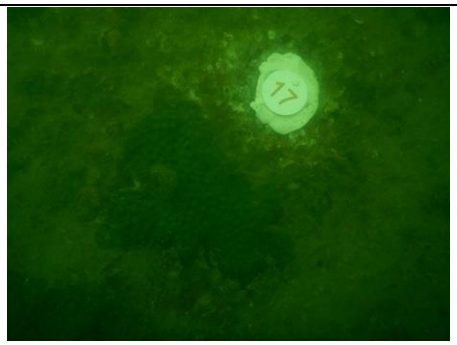
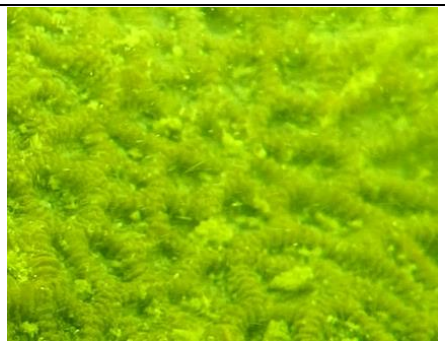
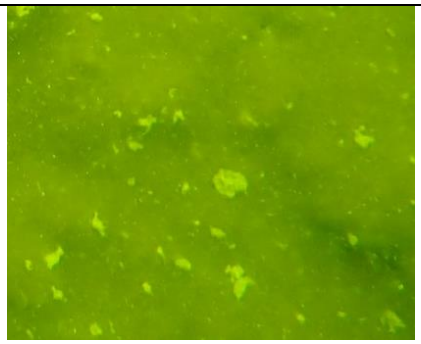
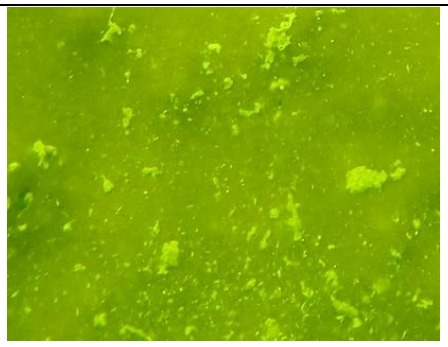
Tag #	Baseline (26 June 2018 & 3 December 2018)	28 June 2024
#10R	 *Goniopora stutchburyi*	 *Goniopora stutchburyi*

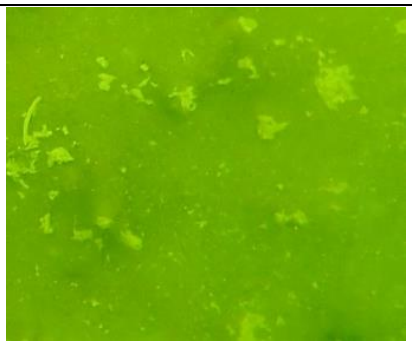
Notes:

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

Photo Plate for Re-tagged Corals at Indirect Impact during the 22nd Quarterly Coral Monitoring during Construction Phase on 28 June 2024

Tag #	Baseline (23 November 2018)	28 June 2024
#11R	 *Cyphastrea serailia*	 *Cyphastrea serailia*
#12R	 *Favites chinensis*	 *Favites chinensis*
#13R	 *Turbinaria peltata*	 *Turbinaria peltata*
#14R	 *Favites chinensis*	 *Favites chinensis*

Tag #	Baseline (23 November 2018)	28 June 2024
#15R	 *Goniopora stutchburyi*	 *Goniopora stutchburyi*
#16R	 *Psammocora superficialis*	 *Psammocora superficialis*
#17R	 *Favites chinensis*	 *Favites chinensis*
#18R	 *Psammocora superficialis*	 *Psammocora superficialis*
#19R	 *Psammocora superficialis*	 *Psammocora superficialis*

Tag #	Baseline (23 November 2018)	28 June 2024
#20R	 *Psammocora superficialis*	 *Psammocora superficialis*

Notes:

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

Appendix F Photo Records for White-bellied Sea Eagle Monitoring

Photo Plate for 70th Monthly WBSE monitoring

One Adult WBSE was recorded staying near the nest on 25 April 2024

Photo Plate for 71st Monthly WBSE monitoring

One Adult WBSE was recorded staying near the nest on 29 May 2024

Photo Plate for 72nd Monthly WBSE monitoring

One adult WBSE was recorded staying near the nest on 28 June 2024

Appendix G Complaint Log

Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics		
	Frequency	Cumulative	Complaint Nature
1 Apr 2024-30 Apr 2024	0	4	N/A
1 May 2024-31 May 2024	0	4	N/A
1 June 2024-30 June 2024	0	4	N/A

Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics		
	Frequency	Cumulative	Details
1 Apr 2024-30 Apr 2024	0	0	N/A
1 May 2024-31 May 2024	0	0	N/A
1 June 2024-30 June 2024	0	0	N/A

Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics		
	Frequency	Cumulative	Details
1 Apr 2024-30 Apr 2024	0	0	N/A
1 May 2024-31 May 2024	0	0	N/A
1 June 2024-30 June 2024	0	0	N/A