Contract No. SPW 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Monthly EM&A Report (February 2026)

Drainage Services Department

2026-03-12

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MOTT MACDONALD

Contract No. SPW 02/2025

Independent Environmental Checker for Construction of Yuen Long Effluent Polishing Plant Stage 1 (2025-2026)

Environmental Permit No. EP-565/2019/A

EP Condition 3.4 – Monthly EM&A Report for February 2026

13 March 2026

By Hand and By E-mail

AECOM Asia Co. Ltd.
12/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong

For the attention of: Mr. Simon H.M. YEUNG – CRE(C)

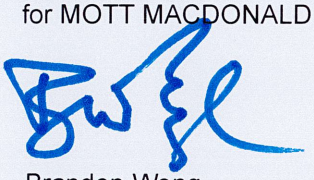
Dear Sir,

I refer to the captioned Monthly EM&A Report for February 2026 (Revision 1) which was received via e-mail and certified by the Environmental Team Leader on 13 March 2026 (ref.: PL-202603023).

I have no comment on the captioned report and hereby verify that this submission has complied with the requirements set out in the EM&A Manual (in particular Sections 12.4.1 and 12.4.4) for the captioned project, in accordance with Condition 3.4 of Environmental Permit No. EP-565/2019/A.

Should you have any queries regarding the captioned or require any further information, please contact the undersigned at 2828 5875.

Yours faithfully
for MOTT MACDONALD HONG KONG LIMITED



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	Paul Y – CREC Joint Venture	Mr. Gabriel WONG – Environmental Specialist (by e-mail)
	The Jardine Engineering Corporation Limited	Mr. Chris CHENG – Environmental Officer (by e-mail)

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Ref : PL-202603023

By Email

13 March 2026

Mott MacDonald
3/F Manulife Tower,
348 Kwun Tong Road,
Kwun Tong, Kowloon,
Hong Kong

Attn: Mr. Brandon Wong, IEC

Dear Sir,

Contract No. SPW 01/2025
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
Environmental Permit No. EP-565/2019/A
EP Condition 3.4 – Monthly EM&A Report for February 2026

Pursuant to Clause 3.4 of Environmental Permit No. EP-565/2019/A for the captioned project, we are pleased to submit the certified Monthly EM&A Report for February 2026 (Rev.1) for your verification.

Should you have any queries regarding the captioned or require any further information, please contact the undersigned at 2531 0243.

Yours faithfully,
For and on behalf of
Aurecon Hong Kong Limited

Vincent M. J. Lu
Environmental Team Leader

Encl.

cc. AECOM – Mr. Patrick Leung (patrick.leung@ylepp-aecom.com)
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Document control						aurecon
Report title		Monthly EM&A Report (February 2026)				
Document ID		MR	**Project number**		P529811-000	
File path		P529811-000-PD-MR-006[1]				
Client		Drainage Services Department				
Client contact			**Client reference**			
Rev	**Date**	**Revision details/status**	**Author**	**Reviewer**	**Verifier** (if required)	**Approver**
0	9 March 2026	Submitted to IEC	Daniel Cheong	Joe Ho		Vincent Lu
1	12 March 2026	Responses to IEC Comment	Daniel Cheong	Joe Ho		Vincent Lu
Current revision		**1**				

Approval			
Reviewer's signature		Approver's signature	
Name	Joe Ho	Name	Vincent Lu
Title	Senior Environmental Consultant	Title	Environmental Team Leader

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EXECUTIVE SUMMARY

This Monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. SPW 01/2025 “Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1”. Drainage Services Department (DSD) has appointed Aurecon Hong Kong Limited (Aurecon) to undertake the Environmental Team services for the project and implement the EM&A works.

This is the 59th Monthly EM&A Report for the construction phase which summaries findings of the EM&A programme during the reporting period from 1 February 2026 to 28 February 2026. As informed by the Contractors, major activities in the reporting month were:

Contract DC/2019/10:

- Fixing GRC panel at CLP Substation
- ELS Works and Pipe works for Modification of Existing Inspection Chamber and Inlet Effluent Pipes from NSWSPS
- ABWF and T&C Works at IW
- ELS works at PST Stage 2
- RC works at PST Stage 2
- RC works at SDB
- ELS works at ADB and Underpass
- RC works at AGS
- RC structure at TTS
- ABWF and E&M works at STB
- ELS work at Sludge Digester no. 4 -6 and UC4
- E&M wok at Sludge Digester no. 1-3
- T&C work at Biogas Holder no.1
- Disposal of construction waste as indicated in **Appendix I**.

Contract DE/2020/01:

- Installation of PV panels
- Disposal of construction waste as indicated in **Appendix I**.

Breaches of Environmental Quality Performance Limits (AL levels)

No Action and Limit Level exceedance was recorded for air quality monitoring and construction noise monitoring in the reporting month.

No Action and Limit Level exceedance was recorded for water quality monitoring in the reporting month.

No Action / Limit exceedance was recorded for noise levels at stations (NMS1 and NMS2) in close proximity to the two active ardeid night roosts (ANR1 and ANR2) observed within the Survey Area during the reporting month.

No Action / Limit exceedance for the ecological monitoring of birds in the reporting month.

No corrective actions were required according to the Event and Action Plans for the Monitoring Parameters.

Land Contamination

Regular site inspection was carried out to ensure the recommended mitigation measures are properly implemented. The signed final Contamination Assessment Report (CAR) for "Main Storeroom & Workshops", "Mechanical Workshop", "Waste Storage Area", "SAS Thickener House-1", "SAS Thickener House-2"and "Screening Press House" were submitted to EPD respectively on 1st November 2021, 23rd November 2021, 29th April 2022, 6th July 2022, 19th June 2023 and 29th October 2024. No contaminated soil and ground water was found within the Main Storeroom & Workshop, Mechanical Workshop, Waste Storage Area, SAS Thickener House-1, SAS Thickener House-2 and Screening Press House, and no remedial action is required for these locations.

Complaint Log

No complaints were received in the reporting period.

Notifications of Summons and Successful Prosecutions

No notifications of summons and successful prosecutions were received in the reporting period.

Reporting Change

There were no reporting changes during the reporting month.

Future Key Issues

The main works anticipated in the next three months are as follow:

Contract DC/2019/10:

- Fixing GRC panel at CLP Substation
- Pipe works for Modification of Existing Inspection Chamber and Inlet Effluent Pipes from NSWSPS
- T&C Works at IW
- Temporary Road Works at IW (South Side) for FS Inspection
- ABWF and E&M works at IW (Remaining area)
- ELS and RC works at PST Stage 2
- RC work at SDB
- Driven H-Pile works at ADB
- External UU works at site-wide
- RC structure at AGS
- RC structure at TTS and Water Tightness Test
- ABWF, E&M and T&C work at STB
- ELS work at UC2 and UC3
- E&M, Water Tightness Test and Lining work at Sludge Digester no. 1-3

- RC work at PP1
- ELS work at Sludge Digester no.4-6 and UC4
- E&M work at Biogas Holder no.2

Contract DE/2020/01:

- Installation of PV panel at IW

1 INTRODUCTION

1.1 Background

1.1.1 The existing Yuen Long Sewage Treatment Works (YLSTW) is a secondary sewage treatment works, located at Yuen Long Industrial Estate serves Yuen Long Town, Yuen Long Industrial Estate and Kam Tin areas with a design capacity of 70,000 m³ per day. Based on the latest planning data, the volume of sewage generation from the YLSTW catchment is estimated to increase to 150,000 m³ per day after 20 years. In addition, since YLSTW has been operating for over 30 years and most of its facilities are of out-dated design and reaching the end of their design life, the environmental facilities of the plant will also be upgraded and hence improving the adjacent environment through upgrading the YLSTW to Yuen Long Effluent Polishing Plant (YLEPP). The Location of Proposed Yuen Long Effluent Polishing Plant is given in **Figure 1**.

1.1.2 YLSTW will be reconstructed in two stages to increase its capacity to 150,000 m³ per day. The proposed works, as Stage 1 of the project, will firstly increase the treatment capacity to 100,000 m³ per day. In the course of Stage 1 construction, about half of the existing facilities of YLSTW would be demolished, while the other half would be kept in operation to maintain the sewage treatment service for Yuen Long area. This 72-month works contract (Contract DC/2019/10) commenced on 9 November 2020. Demolition of existing YLSTW for construction of new treatment facilities are in progress.

1.1.3 Under Contract DE/2020/01, this 54-month works contract commenced on 13 June 2022. Design and installation of E&M system, and the supply and installation of PV panels are in progress.

1.1.4 The Project is a designated project under Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499) for which Environmental Impact Assessment (EIA) report and Environmental Monitoring and Audit (EM&A) Manual was approved by EPD (Register No.: AEIAR-220/2019) on 25 April 2019. The Environmental Permit (EP) (EP No. EP-565/2019) was issued by EPD on 26 April 2019. Variation of the Environmental Permit (EP) (EP No. EP-565/2019/A) was issued by EPD on 26 November 2024.

1.1.5 Fugro Technical Services Limited was appointed as the Environmental Team (ET) by Drainage Services Department (DSD) to undertake the Environmental Team services for the Project and implement the EM&A works under the Contract No. DC/2019/10 Yuen Long Effluent Polishing Plant -Main Works for Stage 1 (hereinafter referred as “the Contract”) for the period from July 2020 to 6 July 2023.

1.1.6 Aurecon Hong Kong Limited (Aurecon) has been appointed as the Environmental Team (ET) by Drainage Services Department (DSD) to undertake the Environmental Team services for the Project and implement the EM&A works under the Contract from July 2023. Air quality, noise, water quality and ecological monitoring, site inspections and auditing (as scheduled) under EM&A programme with effect from 7 July 2023 was conducted by Aurecon. Aurecon is undertaking the preparation (including reporting of monitoring results), certification by ET Leader and submission of this report to EPD.

1.1.7 All ET roles and responsibilities under the EP for this Project were undertaken by Fugro up to 6 July 2023 and by Aurecon with effect from 7 July 2023. Air quality, noise, water quality and ecological monitoring, site inspections and auditing (as scheduled) under EM&A programme up to 6 July 2023 was conducted by Fugro, and the corresponding monitoring results were shared with Aurecon for the purposes of reporting in this report.

1.1.8 This is the 59th Monthly EM&A report to document the findings of site inspection activities and EM&A programme for this project from 1 February 2026 to 28 February 2026 (reporting period) and is submitted to fulfil Condition 3.4 of the EP and Section 12.4.1 of the EM&A Manual. According to Condition 4 of the EP, electronic reporting is provided on the internet website to facilitate public inspection of the report.

1.2 Project Organization

1.2.1 The Project Organization structure is shown in **Appendix B**. The key personnel contact names and numbers are summarized in **Table 1**.

Table 1 Contact Information of Key Personnel

Party	Position	Name	Telephone
Project Proponent (Drainage Services Department)	Engineer	Mr. Wallace Cheng	2594 7473
	Engineer	Mr. Ricky Li	2594 7572
Engineer's Representative (AECOM Asia Co. Ltd.)	Chief Resident Engineer	Mr. Simon Yeung	9075 7172
	Senior Resident Engineer	Mr. Patrick Leung	6124 8838
Independent Environmental Checker (Mott MacDonald Hong Kong Limited)	Independent Environmental Checker (IEC)	Mr. Brandon Wong	2828 5875
Contractor (DC/2019/10) (Paul Y. - CREC Joint Venture)	Environmental Specialist	Mr. Gabriel Wong	5269 5723
	Environmental Officer	Mr. Henry Lau	5490 5271
Contractor (DE/2020/01) (JEC)	Environmental Officer	Mr. Chris Cheng	6389 2975
Environmental Team (Aurecon Hong Kong Limited)	Environmental Team Leader (ETL)	Mr. Vincent Lu	6346 5908

1.3 Construction Programme and Activities

1.3.1 The construction programme of this project is shown in **Appendix A**.

1.4 Works undertaken during the month

1.4.1 The main construction works carried out in the reporting period were as follow:

Contract DC/2019/10:

- Fixing GRC panel at CLP Substation
- ELS Works and Pipe works for Modification of Existing Inspection Chamber and Inlet Effluent Pipes from NSWSPS
- ABWF and T&C Works at IW
- ELS works at PST Stage 2
- RC works at PST Stage 2
- RC works at SDB
- ELS works at ADB and Underpass
- RC works at AGS
- RC structure at TTS
- ABWF and E&M works at STB
- ELS work at Sludge Digester no. 4 -6 and UC4

- E&M wok at Sludge Digester no. 1-3
- T&C work at Biogas Holder no.1

Contract DE/2020/01:

- Installation of PV panels at IW

1.4.2 The environmental mitigation measures corresponding to the main construction works implemented in the reporting period can be referred to **Appendix J**.

1.5 Status of Environmental Licences, Notification and Permits

1.5.1 A summary of the status of the relevant permits, licenses and/or notifications on environmental protection for this project is presented in **Table 2**.

Table 2 Environmental Licenses, Notification and Permits Summary

Permit/ Notification/ License	Reference No	Valid From	Valid Till
Environmental Permit	EP-565/2019/A	26-Nov-2024	The whole construction and operation period of the Project
Contract DC/2019/10			
Notification of Works under APCO	461616	6-Nov-2020	The whole construction and operation period of the Project
Construction Waste Disposal Billing Account	7038933	20-Nov-2020	The whole construction and operation period of the Project
Registration as Chemical Waste Producer under WDO	WPN5213-528-P2796-03	4-Feb-2021	The whole construction and operation period of the Project
Construction Noise Permit (General 24hrs)	GW-RN1354-25	4-Dec-2025	3-Mar-2026
Construction Noise Permit (24 hrs Pump)	GW-RN0129-26	6-Feb-2026	5-Aug-2026
Water Pollution Control Ordinance (WPCO) (CAP. 358) Licence pursuant to Section 20 (Variation of Licence Pursuant to Section 28 of WPCO)	WT00038102-2021	1-Dec-2022	31-Aug-2026
Wastewater Discharge License (YLEPP)(Variation) 4 nos. Wetsep	Ref. 493768	11-Dec-2023	31-Aug-2026
Wastewater Discharge Licence (WA1)	WT00041585-2022	27-July-2022	31-July-2027
Marine Dumping Permit (Excavated Sediment of Category L - Suitable for Capping Exhausted Contaminated Mud Pits)	EP/MD/26-042	4-Dec-2025	3-June-2026
Marine Dumping Permit (Type 1 – Open Sea Disposal (Dedicated Site) and Tyle 2 – Confined	EP/MD/26-041	4-Dec-2025	3-Mar-2026
Revised Sediment Quality Report (SQR)	(14) in EP60/G1/12-583V	4-Dec-2025	25-Nov-2027

Contract DE/2020/01			
Construction Waste Disposal Billing Account	7044285	21-Jun-2022	The whole construction and operation period of the Project
Registration as Chemical Waste Producer under WDO	WPN5517-528-T4062-01	8-Sep-2022	The whole construction and operation period of the Project

2 AIR QUALITY

2.1 Monitoring Requirement

2.1.1 In accordance with the EM&A Manual, 1-hour Total Suspended Particulates (TSP) levels should be measured at the designated air quality monitoring stations to ensure that any deteriorating air quality could be readily detected and timely action shall be undertaken to rectify such situation. Impact 1-hour TSP monitoring was conducted for at least three times every 6 days when the highest dust impact occurs.

2.2 Monitoring Equipment

2.2.1 A portable direct reading dust meter was used to carry out the 1-hour TSP monitoring at the designated monitoring stations.

2.2.2 Wind data monitoring equipment is provided at the conspicuous locations for logging wind speed and wind direction near to the dust monitoring locations. The equipment installation location is agreed with the ER and the IEC.

2.2.3 The details of the air quality monitoring equipment used are summarized in **Table 3**.

Table 3 Air Quality Monitoring Equipment

Item	Location	Brand	Model	Equipment	Serial No.
1	AM1	Sibata	Model LD-5R	SIBATA LD-5R Digital Dust Indicator	851816, 882106
2	AM2				

2.3 Monitoring Methodology for Direct Reading Dust Meter

2.3.1 SIBATA LD-5R Digital Dust Indicator complete with appropriate sampling inlets are employed for 1-hour TSP measurement.

Measuring Procedures

a) Pulling up the air sampling inlet cover

b) Changing the Mode 0 to BG

c) Pressing Start/Stop switch

d) Turning the knob to SENSI.ADJ and press it

e) Pressing Start/Stop switch again

f) Returning the knob to the position MEASURE slowly

g) Pressing the timer set switch to set measuring time

h) Removing the cap and start the measurement

Equipment Calibration

1-hour dust meter should be calibrated at 1 year intervals. The calibration certificates are presented in **Appendix D**.

2.4 Maintenance and Calibration for Direct Reading Dust Meter

2.4.1 ET shall submit sufficient information to the IEC to prove that the instrument is capable of achieving comparable results to the HVS. The instrument should also be calibrated regularly, and the 1-hour sampling shall be determined periodically by the HVS to check the validity and accuracy of the results measured by direct reading method. The calibration certificate for the direct reading dust meter is provided in **Appendix D**.

2.5 Monitoring Locations

2.5.1 In accordance with the EM&A Manual, two air quality monitoring locations, namely AM1, AM2 are covered under Contract No. SPW 01/2025 “Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1”.

2.5.2 The most updated locations are summarized in **Table 4** and the locations of the air monitoring stations shown in **Figure 2**.

Table 4 Air Quality Monitoring Location

Monitoring Station	Location
AM1	Topfine Machinery (China) Co. Ltd
AM2	Squatter house at the west of YLSTW

2.6 Monitoring Results

2.6.1 The schedule of air quality monitoring in reporting month is provided in **Appendix E**.

2.6.2 No Action / Limit Level exceedance was recorded for 1-hr TSP at AM1 and AM2.

2.6.3 No effect that arose from the other special phenomena and work progress of the concerned site was noted during the current monitoring month.

2.6.4 The weather and meteorological conditions during the monitoring are provided in **Appendix K**.

2.6.5 The Air Quality Monitoring Results of 1-hr TSP are summarized in **Table 5**. Detailed monitoring data are presented in **Appendix F**.

Table 5 Summary of Air Quality Monitoring Results

Monitoring Station	Average ($\mu g/m^3$)	Range ($\mu g/m^3$)	Action Level ($\mu g/m^3$)	Limit Level ($\mu g/m^3$)
1-hour TSP				
AM1	43	33-53	291	500
AM2	43	39-48	296	

2.6.6 The Action and Limit Levels for air quality monitoring have been set and are presented in **Appendix C**.

2.6.7 The Event and Action Plan for air quality is given in **Appendix H**.

2.6.8 The wind data obtained from the on-site wind station during the reporting period is provided in **Appendix G**.

2.7 Comparison of 1-hr TSP Monitoring Results with EIA Predictions

2.7.1 The monitoring data of 1-hr TSP was compared with the EIA predictions as summarized in **Table 6**.

Table 6 Comparison of 1-hr TSP data with EIA predictions

Monitoring Station	EIA ID	Predicted Maximum Hourly Average TSP Concentration (µg/ m^3)	Maximum 1-hr TSP Monitoring Results in Feb 2026 (µg/ m^3)
Content			
AM1	ASR A09	205-451	53
AM2	ASR A11		48

Notes: Predicted TSP Concentration extracted from Table 3.20 of EIA Report, AEIAR-220/2019

2.7.2 The 1-hr TSP monitoring results at AM1 and AM2 were below the Predicted Maximum Hourly Average TSP Concentration in the approved Environmental Impact Assessment (EIA) Report.

3 NOISE

3.1 Monitoring Requirement

3.1.1 In accordance with the EM&A Manual, Leq (30min) monitoring is conducted at least once a week when there are Project-related construction activities being undertaken within a radius of 300 m from the monitoring stations. The monitoring is conducted during the construction phase between 0700 and 1900 on normal weekdays at the designated monitoring locations.

3.2 Monitoring Equipment

3.2.1 As referred to the requirements of the Technical Memorandum (TM) issued under the NCO, the sound level meters in compliance with the International Electro technical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications should be used for carrying out the noise monitoring. Immediately prior to and following each noise measurement, the accuracy of the sound level meter should be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. The measurements may be accepted as valid only if the difference between calibration levels obtained before and after the noise measurement is less than 1.0 dB (94 dB ± 0.1 dB).

3.2.2 The details of the noise monitoring equipment used are summarized in **Table 7**.

Table 7 Construction Noise Monitoring Equipment

Item	Brand	Model	Equipment	Serial No.
1	RION	NL-53	RION NL-53 Sound Level Meter	01130785
2	RION	NL-53	RION NL-53 Sound Level Meter	01130783
3	RION	NL-53	RION NL-53 Sound Level Meter	01130784
4	RION	NC-75	RION NC-75 Acoustic Calibrator	34724244
5	RION	NC-75	RION NC-75 Acoustic Calibrator	34724245
6	RION	NC-75	RION NC-75 Acoustic Calibrator	35124530

3.3 Monitoring Parameters and Frequency

3.3.1 The parameters and frequencies of impact noise monitoring is summarized in **Table 8**.

Table 8 Monitoring Parameters and Frequencies of Noise Monitoring

Parameter	Frequency
LAeq (30 min) (L10 and L90 will be recorded for reference)	At each station at 0700-1900 hours on normal weekdays at a frequency of once a week when construction activities are underway

3.4 Monitoring Methodology

3.4.1 Noise measurement should be conducted as the following procedures:

- The monitoring station will set at a point 1m from the exterior of the sensitive receivers building façade and set at a position 1.2m above the ground. (In case façade measurement is not feasible on-site, a free field correction of +3dB(A) will be applied.)

- The battery condition was checked to ensure good functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time will set as follows:
    - frequency weighting: A
    - time weighting: Fast
    - measurement time: 30 minutes
- Prior to and after noise measurement, the meter shall be calibrated using the calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement will consider invalid and repeat of noise measurement is required after re-calibration or repair of the equipment.
- Noise measurement should be paused during periods of high intrusive noise if possible and observation shall be recorded when intrusive noise is not avoided.
- Noise measurements shall not be made in fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s. Calibration certificate of the anemometer is provided in **Appendix D**.

3.5 Maintenance and Calibration

3.5.1 Maintenance and calibration procedures should also be carried out, including:

- The microphone head of the sound level meter and calibrator should be cleaned with a soft cloth at quarterly intervals.
- The sound level meter and calibrator should be calibrated annually by a HOKLAS laboratory.
- Relevant calibration certificates are provided in **Appendix D**.

3.6 Monitoring Locations

3.6.1 In accordance with the EM&A Manual, three noise monitoring locations, namely CM1, CM2 and CM3 are covered under Contract No. SPW 01/2025 “Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1”.

3.6.2 The most updated locations are summarized in **Table 9** and the locations of the noise monitoring stations shown in **Figure 3**.

Table 9 Construction Noise Monitoring Location

Monitoring Station ID	Location	Measurements
CM1	Squatter house at the north of YLSTW	Free Field
CM2	Squatter house at the west of YLSTW	Free Field
CM3	Squatter house at the east of YLSTW	Free Field

Note: Correction of +3 dB(A) shall be made to the free field measurements.

3.7 Monitoring Results

3.7.1 The schedule of noise monitoring in reporting month is provided in **Appendix E**.

3.7.2 No Action / Limit Level exceedance of location CM1, CM2 and CM3 was recorded for construction noise in the reporting month.

3.7.3 During the monitoring month, at CM2, road traffic from the squatter house at the west of Yuen Long STW was observed, at CM3, road traffic from the Nam Sang Wai Road was observed. No effect that arose from the other special phenomena and work progress of the concerned site for CM1 was noted during the current monitoring month.

3.7.4 No raining and wind with speed over 5 m/s was observed during noise monitoring according to the onsite observation. The weather and meteorological conditions during the monitoring month are provided in **Appendix K**.

3.7.5 The Construction Noise Monitoring Results are summarized in **Table 10**. Detailed monitoring data are presented in **Appendix F**.

Table 10 Summary of Construction Noise Monitoring Results

Time Period	Noise Monitoring Stations	Leq (30min) dB(A) (Range)	Action Level	Limit Level dB(A)
0700-1900 hrs on normal weekdays	CM1	56.6 – 65.0	When one documented complaint is received	75
	CM2	57.0 – 60.4		75
	CM3	56.6 – 59.5		75

Remark: CM1, CM2 and CM3: Free-field measurement (+3 dB(A) correction has been applied).

3.7.6 The Action and Limit Levels for Construction Noise have been set and are presented in **Appendix C**.

3.7.7 The Event and Action Plan for Construction Noise is given in **Appendix H**.

3.8 Comparison of Noise Monitoring data with EIA Predictions

3.8.1 The noise monitoring data was compared with the EIA predictions as summarized in **Table 11**.

Table 11 Comparison of Noise monitoring data with EIA predictions

Monitoring Station	EIA ID	Maximum Predicted Mitigated Construction Noise Level L_{eq} (30min) dB(A)	Maximum Construction Noise Level in Feb 2026 L_{eq} (30min) dB(A)
CM1	NSR1	72	65.0
CM2	NSR2	74	60.4
CM3	NSR3	75	59.5

Notes: Predicted TSP Concentration extracted from Table 4.9 of EIA Report, AEIAR-220/2019

3.8.2 The construction noise monitoring results at CM1, CM2 and CM3 were below the Maximum Predicted mitigated Construction Noise Level in the approved Environmental Impact Assessment (EIA) Report (Register No.: AEIAR-220/2019).

4 WATER QUALITY

4.1 Monitoring Requirement

4.1.1 In accordance with the EM&A Manual, impact monitoring is conducted for three days per week at mid-flood and mid-ebb with sampling and measurement at the designated monitoring stations.

4.2 Monitoring Equipment

4.2.1 Equipment used for in-situ measurement and water sampling during impact water quality monitoring is summarised in **Table 12**. The equipment is in compliance with the requirements set out in the EM&A Manual. All in-situ monitoring instruments were calibrated by a HOKLAS- accredited laboratory. Calibration of temperature, DO, salinity, pH and turbidity is conducted in three-month interval. Calibration certificates for the water quality monitoring equipment are attached in **Appendix D**.

Table 12 Water Quality Monitoring and Sampling Equipment

Parameter	Equipment	Model	Range	Equipment Accuracy	Serial No.
Temperature Dissolved Oxygen Salinity pH Turbidity	YSI Water Quality Multiparameter Sonde	Xylem ProDSS	Tem: -5 to 50°C DO: 0-50mg/L DO%: 0-500% Sal: 0 to 70ppt pH: 0 to 14 pH units Turb: 0- 4000NTU	Temp: ±0.2°C; DO: ±0.1mg/L or 1% for 0-20mg/L; ±8% for 20-50mg/L Sal: ±1% of reading or 0.1 ppt (whichever is greater) pH: ±0.2 units Turb: ±3% or 0.3NTU (FNU) (whichever greater)	24G101659
Current Velocity and Direction	Current Meter	Valeport Model 106	Speed: 0.03 to 5 m/s Direction: 0 to 360	Speed: ± 1.5% of reading above 0.15m/s, ± 0.004 m/s below 0.15m/s Direction: ± 2.5o	N/A
Water Sampling	Water Sampler	Aquatic Research Instruments 2.2L Horizontal Water Sampler HWS2.2CP	N/A	N/A	N/A
Positioning	DGPS	GARMIN GPSMAP 78s	N/A	GPS: ±1m	N/A
Water Depth	Echo Sounder	Garmin ECHO 101	Maximum depth: 457.2 m	0.1 m	N/A

4.3 Equipment Calibration

4.3.1 All in-situ monitoring instruments shall be checked, calibrated and certified by a laboratory accredited under HOKLAS before use and subsequently re-calibrated at three monthly intervals throughout all stages of the water quality monitoring programme. Responses of sensors and electrodes shall be checked with certified standard solutions before each use. Wet bulb calibration for a DO meter shall be carried out before measurement at each monitoring location.

4.3.2 Sufficient stocks of spare parts shall be maintained for replacements when necessary. Backup monitoring equipment shall also be made available so that monitoring is uninterrupted even when some equipment is under maintenance or calibration etc.

4.4 Monitoring Parameters

The monitoring parameters and frequency for both in-situ measurement and laboratory analysis are summarised in **Table 13**.

Table 13 Monitoring Parameters and Frequency

Parameters	Monitoring Frequency
In-situ Measurement Turbidity (in NTU), pH, DO (in mg/L and % of saturation), Temperature (in °C), Salinity (in ppt) Laboratory Analysis Suspended Solids	3 days per week, at mid-flood and mid-ebb tides (The interval between two sets of monitoring shall not be less than 36 hours.)

4.5 Monitoring Operation

4.5.1 The position of water monitoring station will be located by the Differential Global Positioning System (DGPS) or equivalent. The water depth of water monitoring station will be determined by the echo sounder affixed to the bottom of the monitoring vessel or a portable echo sounder depth detector.

4.5.2 Once the location and water depth are confirmed, water samples shall be collected at 3 depths (1m below the surface, mid-depth, and 1m above the seabed) of the water column at each location, except where water depth is less than 6m, the mid-depth will be omitted and if the water depth is less than 3m only the mid-depth station will be monitored. Duplicate marine samples will be collected in each sampling event. The water samples are decanted from the water sampler into the water sample bottles. The bottles are labelled, tightly sealed, placed into a cool-box and packed with ice ready for delivery to the laboratory.

4.5.3 Two consecutive measurements of water quality data, including pH, salinity, dissolved oxygen and turbidity will be recorded according to the monitoring locations. Separate deployment of the monitoring instruments and water samplers will be conducted for the consecutive measurements or samplings. The monitoring location / position, time, water depth, sampling depth, tidal stages, weather conditions, sea condition and any special phenomena or work underway nearby shall also be recorded. If the difference in value between the first and second measurement of DO or turbidity parameters is more than 25% of the value of the first reading, the reading shall be discarded and further readings should be taken.

4.6 Laboratory Measurement / Analysis

Background

4.6.1 Acumen Laboratory and Testing Limited (HOKLAS Reg: No.241) has been appointed to conduct the laboratory measurement or analysis of water sample in this project.

Quality Assurance / Quality Control

4.6.2 The laboratory incorporates a variety of QA/QC monitoring programme into their testing system. Where applicable or available, the quality of the analysis will be monitored by conducting the following QC analysis:

For each batch of 20 samples:

- A minimal of 1 laboratory method blank will be analyzed;
- A minimal of 1 sample duplicate will be analyzed;
- A minimal of 1 sample matrix spike will be analyzed.

4.7 Monitoring Locations

4.7.1 In accordance with the EM&A Manual, water quality monitoring should be carried out at 3 designated monitoring locations.

4.7.2 The coordinates of the monitoring location stated in the EM&A Manual is summarised in **Table 14** and the locations of the water quality monitoring stations shown in **Figure 4**.

Table 14 Coordinates of Water Quality Monitoring Locations

Sampling Location		Easting	Northing
M1	Serve as the control station at upstream location of construction site (Flood Tide) / Serve as the impact station at downstream location of construction site (Ebb Tide)	821 086	836 656
M2	Serve as the impact station at downstream location of construction site (Flood Tide)/ Serve as the control station at upstream location of construction site (Ebb Tide)	820 996	836 246
M3	Serve as the impact station at downstream location of construction site (Flood Tide) / Serve as the control station at upstream location of construction site (Ebb Tide)	820 645	820 335

4.8 Monitoring Results

4.8.1 The schedule of water quality monitoring in reporting month is provided in **Appendix E**.

4.8.2 Impact water quality monitoring was conducted at all designated monitoring stations in the reporting month. Impact water quality monitoring results and graphical presentations are provided in **Appendix F**.

4.8.3 The weather and meteorological conditions during the monitoring are provided in **Appendix K**.

4.8.4 Number of Action/ Limit exceedance recorded in the reporting month at each impact stations is summarized in **Table 15**.

Table 15 Summary of Water Quality Exceedance

Sampling Location	Exceedance Level	DO		Turbidity		Suspended Solids		Total	
		Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb
M1	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0
M2	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0
M3	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0
Total	Action	0	0	0	0	0	0	0	
	Limit	0	0	0	0	0	0	0	

4.8.5 During the reporting period, no Action and Limit Level exceedance was recorded for water quality monitoring.

4.8.6 The Event and Action Plan for water quality is given in **Appendix H**.

4.9 WetSeps

Four WetSeps are deployed within the site for treatment of the site runoff prior to disposal in compliance with the conditions stipulated in the water discharge license (Variation of WPCO Discharge Licence was approved by EPD on 11 December 2023 with immediate effect).

5 ECOLOGY MONITORING

5.1 Ardeid Night Roost Monitoring

5.1.1 Monitoring Requirement

With reference to the Pre-construction Ardeid Night Roost survey (January 2021) findings that identified two active ardeid night roosts within 100 m from the Project boundary (one approximately 40 m east of the Project boundary and the other one approximately 45 m northeast of the Project boundary), consequent monthly monitoring of these active ardeid night roosts was done in accordance to the **EM&A Manual Sections 7.3.10** and **7.3.11**; and **EIA Report Section 8.12.1.3**.

The Ardeid Night Roost Monitoring survey was conducted with the following objectives:

- Check the status and location of any active ardeid night roosts within 100 m from the Project boundary (Survey Area) with reference to **EM&A Manual Section 7.3.10**;
- Monitor the effectiveness of proposed mitigation measures and detect any unpredicted indirect ecological impacts arising from the proposed Project as specified in **EIA Report Section 8.12.1.3**; and
- Recommend remedial actions, where appropriate, based on the impact monitoring results (**EIA Report Section 8.12.1.3**) for the implementation of the contractors as only necessary.

5.1.2 Monitoring Methodology

5.1.2.1 Monitoring Area

With reference from **Section 7.3.10** of the **approved EM&A Manual**, the monitoring was conducted in areas within 100 m from the Project boundary. The monitoring area and vantage points for direct observation of any active night roosts are shown in **Appendix O**.

5.1.2.2 Monitoring Activity

5.1.2.2.1 Active Ardeid Night Roost

Current Ardeid Night Roost Monitoring Survey focused on the two active night roosts within the Survey Area (100 m from the Project boundary) that were previously confirmed during the pre-construction Survey. These roosts include one that was approximately 40 m east of the Project boundary and another around 45 m northeast of the mentioned boundary (**Section 3** of the **approved Pre-construction Survey Report of Ardeid Night Roost**). Primary data collection with the use of 8x and 10x binoculars; and field guides including the Avifauna of Hong Kong (Carey et al., 2001) and The Birds of Hong Kong and South China (Viney et al., 2005), was from about one hour before sunset time until one hour after sunset with reference to **Section 7.3.10** of **the approved EM&A Manual**. Sunset time was according to Hong Kong Observatory (HKO). The survey was conducted on 3 February 2026.

Species composition, abundance and locations of night roosts were recorded. Species composition, abundance and location of pre-roosting aggregations (PRA) were also noted. PRAs are gatherings of avian individuals prior to flying into a night roost (Moore and Switzer, 1998). The time of return of the ardeids to the pre-roost and the final night roost were also recorded. Direct observations were made from vantage points adjacent the Project site with clear and unobstructed view of any active roosting location (s) within the Survey Area. However, aside from the established vantage points for the focused mangrove strips along Shan Pui River, observations were also conducted throughout the whole 100 m study site to cover other areas aside from the mangrove strips.

Observations such as any changes in site condition or disturbances detected or observed at the monitoring locations, including both construction and non-construction related activities, during the monitoring activity was recorded with reference to **Section 7.3.10** of the **approved EM&A Manual**. Additionally, other observations such as bird droppings on the ground which may possibly indicate presence of night roosts were noted in addition to noting of the roosting substrate (i.e. substrate species and approximate height). Any breeding activity usage of the roosting locations within the Survey Area was also noted.

5.1.2.2.2 Noise Monitoring

Monitoring Locations, Frequency, Time and Parameters

The noise monitoring locations were established at 22°28'4.25"N, 114°1'41.32"E; and 22°28'10.43"N, 114°1'42.17"E for NMS1 and NMS2 stations, respectively. Monitoring frequency was only once a month in concurrence with the construction phase monthly monitoring of the active night roosts for correlation. Monitoring time for both stations started around 18:22, the earliest final night roost period recorded during the survey and lasted for 30 minutes. **Table 16** presents the monitoring parameters.

Table 16 Noise Monitoring Parameters (For Active Ardeid Night Roost Survey)

Parameter	Frequency and Period
LAeq (30 min) (L10 and L90 will be recorded for reference)	Monthly in concurrence with the construction phase monthly monitoring of the active night roosts

The Action and Limit Levels for Active Ardeid Night Roost Survey have been set and are presented in **Appendix C**.

However, exceedances to the limit level were endeavoured to be prevented by the full implementation of mitigation measures (**Section 4.2** of the **approved Pre-construction Survey Report of Ardeid Night Roost** and **Sections 5.2.1-5.2.2** of this **Report**) during the construction phase.

Event and Action Plan

In instances of exceedance/s in the action and/or limit levels, the different measures as specified in **Table 3.3 Event and Action Plan for Construction Noise** of the **approved EM&A Manual** and likewise presented in **Appendix H** of this report shall be implemented as responses.

5.1.3 Monitoring Results

5.1.3.1 Active Ardeid Night Roost

The monitoring activity was conducted on 3 February 2026 and started around 17:12 (one hour before sunset) on a low tide condition. During the pre-roost period (PRP), the period when avian individuals gather first before flying into a night roost, individuals of Chinese Pond Heron *Ardeola bacchus* (5), Great Egret *Ardea alba* (1) and Little Egret *Egretta garzetta* (1) were observed in pre-roost aggregate (PRA) around 17:59 at the mudflat east side ANR1 of the Project boundary while individuals of Chinese Pond Heron *Ardeola bacchus* (5), Great Egret *Ardea alba* (1), Little Egret *Egretta garzetta* (1) and Grey Heron *Ardea cinerea* (3) were concurrently noted at the mudflat northeast side ANR2 of the Project boundary (Table 17).

For the final night roost at around 18:22, individuals of Chinese Pond Heron *Ardeola bacchus* (8), Little Egret *Egretta garzetta* (1) and Grey Heron *Ardea cinerea* (3) were observed at the roosting area ANR1 utilizing the understory to canopy layer of the roosting substrate *Sonneratia apetala* and *S. caseolaris*; while other individuals of Chinese Pond Heron *Ardeola bacchus* (3), Great Egret *Ardea alba* (1), Little Egret *Egretta garzetta* (3) and Grey Heron *Ardea cinerea* (3) were noted at ANR2 that utilized the understory to canopy layer of the aforementioned roosting substrate.

No disturbance (construction related and/or otherwise) to the active night roost areas was observed during the period. Bird droppings were observed within the vicinity of the roosting area located east of the Project boundary.

Table 17 Active Ardeid Night Roost Survey Findings

Date: 3 February 2026			**Sunset Time: 18:12** **Tidal Condition: Low Tide**		
Pre-roost Period			**Final roost Period**		
Time of Return:	Chinese Pond Heron *Ardeola bacchus*, Great Egret *Ardea alba*, Little Egret *Egretta garzetta* and Grey Heron *Ardea cinerea* (17:59)		**Time of Return:**	Chinese Pond Heron *Ardeola bacchus*, Great Egret *Ardea alba*, Little Egret *Egretta garzetta* and Grey Heron *Ardea cinerea* (18:22)	
Parameters	**Location**		**Parameters**	**Location**	
	ANR1	**ANR2**		**ANR1**	**ANR2**
Pre-roost Aggregation (Y/N):	Y	Y	**Substrate Species:**	*Sonneratia apetala* and *S. caseolaris*	*Sonneratia apetala* and *S. caseolaris*
Substrate Species:	*Sonneratia apetala* and *S. caseolaris*	*Sonneratia apetala* and *S. caseolaris*	**Substrate Height (m):**	Approx. 5 m.	Approx. 3-4 m.
Substrate Height (m):	Approx. 5 m.	Approx. 3-4 m.			
Ardeid Species Composition	**Abundance (individuals)**		**Ardeid Species Composition**	**Abundance (individuals)**	
	ANR1	**ANR2**		**ANR1**	**ANR2**
Chinese Pond Heron *Ardeola bacchus*	5	5	Chinese Pond Heron *Ardeola bacchus*	8	3
Great Egret *Ardea alba*	1	1	Great Egret *Ardea alba*	-	1
Little Egret *Egretta garzetta*	1	1	Little Egret *Egretta garzetta*	1	3
Grey Heron *Ardea cinerea*	-	3	Grey Heron *Ardea cinerea*	3	3
Breeding Activity (Y/N):	**ANR1**	N			
	ANR2	N			

Notes:

Pre-roost Period: Period when avian individuals gather first before flying into a night roost

ANR1: Active ardeid night roost area east of the Project boundary

ANR2: Active ardeid night roost area northeast of the Project boundary

-: not recorded

5.1.3.2 Noise Monitoring

Noise monitoring activities were conducted on 3 February 2026 in concurrence with the construction phase monthly monitoring of the pre-identified active night roosts. Noise monitoring started at 18:22 and lasted for 30 minutes, until 18:42.

Current survey results showed noise levels (LAeq (30 min.)) at both monitoring stations to be well below the action and limit levels as presented in **Table 18**.

Table 18 Noise Monitoring Parameters (For Active Ardeid Night Roost Survey)

Frequency and Period	Location	Start Time	LAeq (30 min.)	Action Level	Limit Level
Monthly in concurrence with the construction phase monthly monitoring of the active night roosts	NMS1	18:22	54.5	65.5 dB(A)[1]	72.2 dB(A)[2]
	NMS2	18:22	53.2		

Notes:

NMS1= Noise monitoring station 1 located east of the Project boundary

NMS2= Noise monitoring station 2 located northeast of the Project boundary

[1]= Behavioural response of some kind more likely to occur (Wright et al. 2010)

[2]= Flight with abandonment of the site becomes the most likely outcome of the disturbance (Wright et al. 2010)

No Action / Limit exceedance was recorded for noise levels at stations (NMS1 and NMS2) in close proximity to the two active ardeid night roosts (ANR1 and ANR2) observed within the Survey Area during the reporting month.

5.1.4 Detection of Any Unpredicted Indirect Ecological Impacts Arising from the Project

No unpredicted indirect ecological impacts that arose from the project were noted during the current monitoring period.

5.1.5 Summary

5.1.5.1 Status and Location of Any Active Ardeid Night Roost

Two active ardeid night roost areas (ANR1 and ANR2) were observed within the Survey Area during the February 2026 monitoring period. These roosts were located at the mangrove strips in the east and northeast portions of the Project boundary. These were used by individuals of Chinese Pond Heron *Ardeola bacchus,* Great Egret *Ardea alba*, Little Egret *Egretta garzetta* and Grey Heron *Ardea cinerea.*

5.1.5.2 Noise Monitoring Results

Both noise levels at each of the monitoring stations were below the action and limit levels.

5.2 Ecological Monitoring of Birds

5.2.1 Monitoring Requirement

With reference to **Section 7.3.6** of the **EM&A Manual**, monthly ecological monitoring of birds, focusing on avifauna species of conservation interest, and overwintering waterbirds utilising wetland habitats in Fung Lok Wai and Nam Sang Wai as well as along Shan Pui River and Kam Tin River within the monitoring area (500 m from the Project Boundary)

was conducted in addition to monitoring on the utilization of wetland habitats by birds also within the same monitoring area as required by **Section 7.3.1** of the **EM&A Manual**.

5.2.2 Monitoring Methodology

5.2.2.1 Monitoring Area

The monitoring area included wetland habitats in Fung Lok Wai and Nam Sang Wai as well as along Shan Pui River and Kam Tin River within 500m from the Project boundary with reference to **Section 7.3.6** of the **EM&A Manual**. The location of point count sites and transect routes is shown in **Appendix P**.

5.2.2.2 Monitoring Activity

Avifauna surveys on the different wetland habitats using the transect count and point count methods were conducted last 12 February 2026 (daytime) which started at around 07:15 and 3 February 2026 (night-time) which started around 18:26. Additionally, the survey overlooking the mudflats and mangroves in the Shan Pui River was concurrently conducted on the same date with the daytime survey during the low tide (generally 1.5m or below) period, and also started at around 07:15. The methodology for the monitoring activity followed **Sections 8.3.3.6** and **8.3.3.7** of the **EIA Report (AEIAR-220/2019)** and as detailed below.

For the transect count and point count methods, the presence and relative abundance of avifauna species at various wetland habitats were recorded visually and aurally.

Avifauna species were detected either by direct sighting or by their call and identified to species level. Any notable behaviours such as feeding, roosting and breeding were also recorded. Bird species encountered outside the point count locations and walk transects were also recorded. A comprehensive list of species recorded from the Assessment Area was prepared, with wetland-dependence, conservation and/or protection status indicated. Ornithological nomenclature in this report follows Carey et al. (2001), Viney et al. (2005) and the most recent updated list from Hong Kong Bird Watching Society (HKBWS).

Noise levels were recorded with the methodology and equipment as mentioned in **Section 3.4** and **Section 3.2**, respectively, of this EM&A report. The parameter as shown in was recorded at each of the point count locations.

Table 19 Noise Monitoring Parameters

Parameter	Frequency and Period
LAeq (30 min) (L10 and L90 will be recorded for reference)	Monthly in concurrence with the monthly ecological bird monitoring at the different point count locations

In addition to recording of noise levels, any changes in site condition or disturbances detected or observed at the monitoring locations, including both construction and non-construction related activities with reference to **Section 7.3.7** of the **EM&A Manual** were also noted.

5.2.2.3 Data Analysis

For the bird communities, the monitoring results were compared to pre-construction baseline condition during the dry and wet seasons as summarized in the Baseline Bird Survey Report with reference to **Section 7.3.8** of the **EM&A Manual**. However, to further

account the seasonality, monitoring results of the current month were compared to the results of the corresponding month of the baseline data.

The data for point count method and transect walk method were presented separately to account for the difference in the survey effort of the two methods. For each method, abundance and species composition of the avifauna communities during the monitoring month were summarized.

To check the presence of variation in bird abundance between baseline and impact monitoring, t-test was applied (α = 0.05). Moreover, to check the presence of variation in bird species diversity, the two-sided Hutcheson t-test was also used. The two-sided Hutcheson t-test was developed as a method to compare the diversity of two community samples using the Shannon diversity index (Hutcheson 1970). Shannon diversity index will be computed using the formula, $H' = \sum_{i=1}^{s} p_i ln p_i$ where, H' = Shannon Diversity Index; *Pi* = proportion of the population of species; *i* = number of species in sample; *ln* = natural logarithm. Shannon diversity index is used as it accounts the proportion (relative abundance) of each species; thus, it gives a better description of diversity than a plain number of species (species richness).

The Action and Limit Levels for ecological monitoring of birds have been set and are presented in **Appendix C**.

Wetland habitat utilization during the construction phase monitoring shall only be compared seasonally, hence the comparison shall only be done after all the data (dry season and wet season) were collected with reference to **Appendix 8.5** of the approved **EIA Report**.

5.2.3 Monitoring Results

Results of the avifauna survey on the different habitats within the monitoring area using the transect count and point count methods as conducted last 12 February 2026 (daytime) which started at around 07:15 and 3 February 2026 (night-time) which started at around 18:30 are presented in **Sections 5.2.3.1** and **5.2.3.2**. Meanwhile, results for the surveys overlooking the mudflats and mangroves in the Shan Pui River, with monitoring activities conducted on similar date with the daytime survey during the low tide (generally 1.5m or below) period around 07:15 had results presented in **Section 5.2.3.3**.

5.2.3.1 Abundance

5.2.3.1.1 All Avifauna Species

An overall total of 1012 avifauna individuals were recorded in the monitoring area during the February 2026 monitoring period, of which 658 individuals were recorded from the point count method and 354 individuals from the transect walk method. Relative to the February 2017 baseline data (point count method = 642; and transect walk = 2), a slight increase was noted for point count method and a significant increase for transect walk method.

Details of these findings are summarized in **Table 20**.

Table 20 Abundance of all Avifauna Species

Abundance of all Avifauna Species				
EIA Report ID	**EM&A Manual ID**	**Feb-17**	**Feb-26**	**Remarks**
Point Count Method				
P1	FLW1	0	18	+
P2	FLW2	1	8	+
P3	FLW3	7	4	-
P4	FLW4	39	80	+
P5	FLW5	93	74	-
P6	FLW6	36	13	-
P7	FLW7	62	50	-
P9	SP/NSW3	224	181	-
P10	SP/NSW2	86	98	+
P11	NSW1	9	79	+
P12	SP/NSW1	85	53	-
Total		**642**	**658**	+
Mean		**58**	**60**	+
Transect Walk Method				
Fung Lok Wai	FLW	2	77	+
Nam Sang Wai	NSW	0	47	+
YLIE-CW	YLIE-CW	0	230	+
Total		**2**	**354**	+
Mean		**0.7**	**118**	+

Notes:
+ increased abundance;
- decreased abundance;
= no change in abundance.

No Action / Limit exceedance was recorded for the abundance of all avifauna species (including but not limited to overwintering waterbirds) for both the point-count and transect walk method.

5.2.3.1.2 Avifauna Species of Conservation Importance

Of the 1012 avifauna individuals recorded in the monitoring area during the February 2026 monitoring period, 710 individuals (point count method = 452 individuals; transect walk method = 258 individuals) were of conservation importance. With reference to February 2017 data, (point count method = 447; and transect walk = 2), a slight increase was noted for point count method and a significant increase for transect walk method. Details of these findings are summarized in **Table 21**.

Table 21 Abundance of Species of Conservation Importance

Abundance of Species of Conservation Importance				
EIA Report ID	**EM&A Manual ID**	**Feb-17**	**Feb-26**	**Remarks**
Point Count Method				
P1	FLW1	0	12	+
P2	FLW2	0	0	=
P3	FLW3	2	0	-
P4	FLW4	9	48	+
P5	FLW5	36	9	-
P6	FLW6	30	4	-
P7	FLW7	17	25	+
P9	SP/NSW3	201	172	-
P10	SP/NSW2	83	88	+
P11	NSW1	4	54	+
P12	SP/NSW1	65	40	-
Total		**447**	**452**	+
Mean		**41**	**41**	=
Transect Walk Method				
Fung Lok Wai	FLW	2	23	+
Nam Sang Wai	NSW	0	23	+
YLIE-CW	YLIE-CW	0	212	+
Total		**2**	**258**	+
Mean		**0.7**	**86**	+

Notes:
+ increased abundance;
- decreased abundance;
= no change in abundance.

No Action / Limit exceedance was recorded for the abundance of Species of Conservation Importance in both point-count and transect walk method.

5.2.3.2 Diversity (Species Richness[1] and Shannon Diversity Index[2])

5.2.3.2.1 All Avifauna Species

A total of 65 avifauna species (species richness) were recorded during the February 2026 monitoring period, of which, 62 species were recorded by the point count method while 39 species were noted by the transect walk method. Relative to the baseline data (point count method = 58 species; transect walk method = 1 species), a slight increase in total species richness for the point count method and a significant increase for transect walk method were recorded. In terms of Shannon diversity index (H') values, current result in point count method showed a slight increase (t-value = 0.05; t-crit = 1.96; p-value = 9.58E-01; α = 0.05) relative to the baseline reference value. The current results in the transect walk method also showed a significant increase (t-value = 52.9; t-crit = 1.97; p-value = 4.91E-170; α = 0.05) from baseline reference value. Details of these findings are summarized in **Table 22**, **Appendix F.6.1**, and **Appendix F.6.2**.

[1] actual number of species

[2] use to account the proportion (in terms of relative abundance) of each species

Table 22 Shannon Diversity Index Value of all Avifauna Species

Shannon Diversity Index Value of all Avifauna Species				
EIA Report ID	**EM&A Manual ID**	**Feb-17**	**Feb-26**	**Remarks**
Point Count Method				
P1	FLW1	**	1.89	+
P2	FLW2	0	1.04	+
P3	FLW3	1.75	1.04	-
P4	FLW4	1.72	2.46	+
P5	FLW5	1.28	2.57	+
P6	FLW6	1.52	1.78	+
P7	FLW7	2.21	1.55	-
P9	SP/NSW3	2.76	2.32	-
P10	SP/NSW2	2.14	2.13	-
P11	NSW1	1.89	1.52	-
P12	SP/NSW1	2.71	2.07	-
Overall H'		**3.32**	**3.33**	+
Species Richness		**58**	**62**	+
Transect Walk Method				
Fung Lok Wai	FLW	0	2.78	+
Nam Sang Wai	NSW	**	2.06	+
YLIE-CW	YLIE-CW	**	2.27	+
Overall H'		**0**	**3.02**	+
Species Richness		**1**	**39**	+

Notes:

** result when no species recorded; + increased Shannon diversity index (H'); - decreased Shannon diversity index (H'); = no change in Shannon diversity index (H')

No Action / Limit exceedance was recorded for the species diversity of all avifauna species in both point count and transect walk method.

5.2.3.2.2 Avifauna Species of Conservation Importance

Of the 65 avifauna species identified during the February 2026 monitoring period, 30 species were of conservation importance (point count method = 28 species; transect walk method = 18 species). Meanwhile, relative to the baseline values in February 2017 (point count method = 26 species; transect walk method = 1 species), a slight increase in number of species with conservation importance was recorded for point count method and a significant increase for transect walk method. In terms of Shannon diversity index (H'), there is a decrease in point count method (t-value = 1.57; t-crit = 1.96; p-value = 1.16E-01; α = 0.05) and a significant increase in transect walk method (t-value = 42.3; t-crit = 1.97; p-value = 4.17E-118; α = 0.05) relative to the baseline reference values. Details of these findings are summarized in **Table 23**, and **Appendix F.6.3**.

Table 23 Shannon Diversity Index Value of Species with Conservation Importance

Shannon Diversity Index Value of Species with Conservation Importance				
EIA Report ID	**EM&A Manual ID**	**Feb-17**	**Feb-26**	**Remarks**
Point Count Method				
P1	FLW1	**	1.45	+
P2	FLW2	**	**	=
P3	FLW3	0.69	**	-
P4	FLW4	1.21	1.62	+
P5	FLW5	0.66	1.30	+
P6	FLW6	1.09	1.04	-
P7	FLW7	1.76	0.28	-
P9	SP/NSW3	2.42	2.16	-
P10	SP/NSW2	2.04	1.83	-
P11	NSW1	1.04	0.18	-
P12	SP/NSW1	2.16	1.48	-
Overall H'		**2.68**	**2.58**	-
Species Richness		**26**	**28**	+
Transect Walk Method				
Fung Lok Wai	FLW	0	1.91	+
Nam Sang Wai	NSW	**	0.47	+
YLIE-CW	YLIE-CW	**	2.04	+
Overall H'		**0**	**2.37**	+
Species Richness		**1**	**18**	+

Notes:

** result when no species recorded; 0 computation result from only one recorded species;

+ increased Shannon diversity index (H'); - decreased Shannon diversity index (H'); = similar Shannon diversity index (H')

No Action / Limit exceedance was recorded for the species diversity of avifauna species with conservation importance in both point count and transect walk method.

5.2.3.3 Wetland Habitat Utilization

Avifauna communities were observed during the current monitoring period in the different wetland habitats, i.e. mangrove, modified watercourse, ponds, and reed bed.

With reference to **Section 7.3.1** of the **EM&A Manual**, the utilization of the wetland habitats by birds within the monitoring area was recorded and monitored.

5.2.3.3.1 All Avifauna Species

During the current monitoring period, majority of the different wetland habitats were observed with Low to Moderate (L – M) abundance. In terms of species richness, different wetland habitats were generally observed with High (H) number of species (**Table 24**).

Table 24 Wetland habitat utilization of all avifauna species

Wetland Habitats	Area Description	Abundance[1]	Species Richness[2]
Modified Watercourse	Confluence of Shan Pui River and Kam Tin River	L – M	H
	Shan Pui River adjacent to Project site	L – M	VH
	Upper course of Shan Pui River along YLIE	L – M	H
Ponds	Active Ponds adjacent to Project site in Fung Lok Wai	VL	L
	Active Ponds North to Nullah 2 in Fung Lok Wai	L	H
	Inactive Ponds in Fung Lok Wai	L – M	VH
	Active and Inactive Ponds in Nam Sang Wai	L	M
Mangrove	Mangrove within Assessment Area	-	-
Reedbed	Reedbed in Nam Sang Wai	-	-

Notes:

1. Abundance of all avifauna species amongst wetland habitats within the assessment area: VL = Very Low (~<50 individuals); L = Low (~100 individuals); M = Moderate (~300 individuals); H = High (~500 individuals), VH = Very High (>700 individuals)
2. Species richness (total number of species) amongst wetland habitats within the assessment area: VL = Very Low (⩽5 species); L = Low (~10 species); M = Moderate (~15 species); H = High (~20 species), VH = Very High (>25 species)

-: no recorded individuals

Source: approved EIA Report (AEIAR-220/2019)

5.2.3.3.2 Avifauna Species of Conservation Importance

Majority of the different wetland habitats had Very Low (VL) abundance of avifauna species of conservation importance; and were generally utilized by Moderate (M) number of species (**Table 25**).

Table 25 Wetland habitat utilization of avifauna species of conservation importance

Wetland Habitats	Area Description	Abundance[1]	Species Richness[2]
Modified Watercourse	Confluence of Shan Pui River and Kam Tin River	L – M	M
	Shan Pui River adjacent to Project site	L	M
	Upper course of Shan Pui River along YLIE	L – M	M
Ponds	Active Ponds adjacent to Project site in Fung Lok Wai	VL	VL
	Active Ponds North to Nullah 2 in Fung Lok Wai	VL	L
	Inactive Ponds in Fung Lok Wai	L	M
	Active and Inactive Ponds in Nam Sang Wai	VL	VL
Mangrove	Mangrove within Assessment Area	-	-
Reedbed	Reedbed in Nam Sang Wai	-	-

Notes:

1. Abundance of avifauna species of conservation importance amongst wetland habitats within the assessment area: VL = Very Low (~<50 individuals); L = Low (~100 individuals); M = Moderate (~300 individuals); H = High (~500 individuals), VH = Very High (>700 individuals)
2. Species richness (total number of species) amongst wetland habitats within the assessment area: VL = Very Low (⩽5 species); L = Low (~10 species); M = Moderate (~15 species); H = High (~20 species), VH = Very High (>25 species)

-: no recorded individuals

Source: approved EIA Report (AEIAR-220/2019)

5.2.3.4 Noise Levels

Noise levels LAeq (30 min) recorded on 12 February 2026 (daytime) and 3 February 2026 (night time) from each of the point count locations during the ecological bird monitoring are shown in **Table 26**.

Table 26 Noise Monitoring Results (For Ecological Monitoring of Birds)

Frequency and Period	Location	Daytime (12/2/2026)		Night time (3/2/2026)	
		Start Time	LAeq (30 min) dB(A)	Start Time	LAeq (30 min) dB(A)
Monthly in concurrence with the ecological monitoring of birds	FLW1/ P1	09:00	59.2	19:42:	52.2
	FLW2/ P2	09:47	58.1	19:03	56.2
	FLW3/ P3	10:26	56.2	18:27	53.6
	FLW4/ P4	09:48	60.5	20:06	57.5
	FLW5/ P5	08:57	58.2	19:19	56.2
	FLW6/ P6	08:12	57.9	18:02	54.5
	FLW7/ P7	07:30	59.5	18:41	56.2
	SP/NSW3/ P9	07:15	58.0	18:55	56.9
	SP/NSW2/ P10	08:02	52.2	19:34	54.5
	NSW1/ P11	08:43	53.1	20:11	56.5
	SP/NSW1/ P12	09:29	54.2	20:40	60.3

No Action / Limit exceedance was recorded for noise levels at all stations for the ecological monitoring of birds in the reporting month.

6 LANDSCAPE AND VISUAL

6.1 Audit Requirements

According to the EM&A Manual, a Landscape Architect or related professional shall be employed to audit the implementation of landscape construction works particularly during site clearance operations when the proposed tree felling and transplanting will take place and subsequent maintenance operations. Site audits should be undertaken every week during the construction phase to check that the proposed landscape and visual mitigation measures are properly implemented and maintained as per their intended objectives. The mitigation measure recommended in the EIA Report as the audit requirements for landscape and visual, including: preservation of existing vegetation, transplanting of affected trees, compensatory tree planting, control of night-time lighting glare, erection of decorative screen hoarding and management of construction activities and facilities are summarized in **Appendix J**.

6.2 Results and Observations

To monitor and audit the implementation of landscape and visual mitigation measures for Contract DC/2019/10, 4 weekly landscape and visual site audits were carried out on 4, 10, 16 and 25 February 2026.

For Contract DE/2020/01, 1 site audit was carried on 12 February and there is no landscape or visual impact for the indoor works under Contract DE/2020/01.

No outstanding issues were reported during the reporting month. The ET Leader's Site Environmental Audit are summarized in **Appendix M**.

7 LAND CONTAMINATION

7.1 Contamination Assessment Report

7.1.1 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “Main Storeroom & Workshops” and the laboratory results for the sampling works (conducted between 30 June 2021 to 16 July 2021) show that there are no exceedances of the adopted RBRGs for the “Main Storeroom & Workshops”. As no contaminated soil and groundwater was found within the “Main Storeroom & Workshops”, no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the “Main Storeroom & Workshops”. Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 1 November 2021.

7.1.2 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “Mechanical Workshop” and the laboratory results for the sampling works (conducted between 23 July 2021 to 4 August 2021) show that there are no exceedances of the adopted RBRGs for the “Mechanical Workshop”. As no contaminated soil and groundwater was found within the “Mechanical Workshop”, no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the “Mechanical Workshop”. Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 23 November 2021.

7.1.3 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “Waste Storage Area” and the laboratory results for the sampling works (conducted between 24 November 2021 to 6 January 2022) show that there are no exceedances of the adopted RBRGs for the “Waste Storage Area”. As no contaminated soil and groundwater was found within the “Waste Storage Area”, no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the “Waste Storage Area”. Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 29 April 2022.

7.1.4 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “SAS Thickener House-1” and the laboratory results for the sampling works (conducted between 13 April 2022 to 16 May 2022) show that there are no exceedances of the adopted RBRGs for the “SAS Thickener House-1”. As no contaminated soil and groundwater was found within the “SAS Thickener House-1”, no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the “SAS Thickener House-1 ” . Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 6 July 2022.

7.1.5 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “SAS Thickener House-2” and the laboratory results for the sampling works (conducted between 15 February 2023 to 23 February 2023) show that there are no exceedances of the adopted RBRGs for the “SAS Thickener House-2”. The laboratory results are compared against the adopted RBRGs and soil saturation limit (Csat) for soil samples and the adopted RBRGs and the solubility limits for groundwater samples. No exceedance of RBRG are recorded for both soil samples and groundwater samples. Furthermore, no exceedance of the soil saturation limit are recorded for soil samples. However, the exceedances of solubility limits for PCRs (C9-C16) are recorded for groundwater samples collected at BH-18, BH-19, BH-20 and BH-21; and also PCRs (C17-C35) for BH-21. As no non-aqueous phase liquid (NAPL) was observed during sampling, no further sampling and remediation are required. As no contaminated soil and groundwater is found within the

"SAS Thickener House-2", no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the "SAS Thickener House-2". Their findings are summarized in Contamination Assessment Report (CAR) which was certified by ET Leader and verified by IEC on 31 May 2023 and submitted to EPD on 19 June 2023.

7.1.6 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the "Screening Press House" and the laboratory results for the sampling works (conducted between 19 August 2024 to 20 August 2024) show that there are no exceedances of the adopted RBRGs for the "Screening Press House". As no contaminated soil and groundwater was found within the "Screening Press House", no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the "Screening Press House". Their findings are summarized in Contamination Assessment Report (CAR) which was certified by ET Leader and verified by IEC on 14 October 2024 and submitted to EPD on 20 May 2025.

8 SITE INSPECTION AND AUDIT

8.1 Site Inspection

8.1.1 Site audits were carried out by ET on weekly basis at least once per week to monitor the implementation of proper environmental management practices and mitigation measures in the Project site.

8.1.2 In the reporting month, four site inspections for Contract DC/2019/10 were carried out on 4, 10, 16 and 25 February 2026.

8.1.3 In the reporting month, one site inspection for Contract DE/2020/01 was carried out on 12 February 2026.

8.1.4 No outstanding issues were reported during the reporting month. The ET Leader's Site Environmental Audit are summarized in **Appendix M**.

8.2 Advice on the Solid and Liquid Waste Management Status

8.2.1 The Contractors registered as a chemical waste producer for the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.

8.2.2 The management of waste generated by the construction is presented in **Table 27**.

Table 27 Waste Generated by the Construction and Disposal Ground

Types of Waste	Disposal Ground
Inert C&D Waste (Excluding slurry and bentonite)	Tuen Mun Area 38
Inert C&D Waste (For slurry and bentonite)	Tseung Kwan O Area 137
Non-inert C&D Materials	North East New Territories Landfill (NENT) (Before 6 November 2025) South East New Territories Landfill Extension (SENTX) (From 6 November 2025)[1]
Sludge	West New Territories Landfill (WENT)
Marine Sediment	Type 1 – Open Sea Disposal: South Cheung Chau Open Sea Sediment Disposal Area Type 1 – Open Sea Disposal (Dedicate Site) and Type 2 – Confined Marine Disposal: Contaminated Mud Pit of the Confined Marine Disposal Facilities to the East of Sha Chau

Note:
1: EPD issued a memo on 6 November 2025, indicating that for works projects with WENT or NENT Landfills as the designated disposal ground for non-inert construction and demolition materials, these designated disposal grounds will be temporarily replaced by South East New Territories Landfill Extension (SENTX) in Tseung Kwan 0, with immediate effect until further notice.

8.2.3 The monthly summary of waste flow table is detailed in **Appendix I**.

8.2.4 If off-site disposal is required, the excavated marine mud from the land-based works shall be disposed of at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee or other locations as agreed by the Director. The Contractor shall ensure no spilling and overflowing of materials during loading / unloading / transportation is allowed.

8.2.5 The Contractors was reminded that chemical waste should be properly handled temporarily in designated chemical waste storage area on site in accordance with the Code of Practice on the Packing, Labelling and Storage of Chemical Waste.

9 NON-COMPLIANCE, COMPLAINTS, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS

9.1 Non-compliance (Exceedances of AL levels)

9.1.1 No Action / Limit Level exceedance was recorded for 1-hr TSP level at AM1 and AM2 in the reporting month.

9.1.2 No Action / Limit Level exceedance was recorded for construction noise at CM1, CM2 and CM3 in the reporting month.

9.1.3 No Action and Limit Level exceedance were recorded for water quality at M1, M2 and M3 in the reporting month.

9.1.4 No Action / Limit exceedance was recorded for noise levels at stations (NMS1 and NMS2) in close proximity to the active ardeid night roosts in the reporting month.

9.1.5 No Action / Limit exceedance was recorded for the ecological monitoring of birds in the reporting month.

9.1.6 No corrective actions were required according to the Event and Action Plans for the Monitoring Parameters.

9.2 Complaints, Notification of Summons and Successful Prosecutions

9.2.1 No environmental complaints, notification of summons and successful prosecutions was recorded in the reporting month.

9.2.2 Cumulative complaint log, summaries of complaints, notification of summons and successful prosecutions are presented in **Appendix L**.

9.2.3 No corrective actions were required.

10 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURE

10.1 Implementation Status of Environmental Protection and Pollution Control / Mitigation Measures

The Contractors had implemented environmental protection and pollution control / mitigation measures as stated in the EIA Report, the EP and EM&A Manual. **Appendix J** summarized the Implementation Status of Environmental Mitigation Measures.

Further to the variation of the Environmental Permit (EP) (EP No. EP-565/2019/A) issued by EPD on 26 November 2024, the tides predicted by the Hong Kong Observatory for the tidal station at Tsim Bei Tsui for the upcoming month is presented in **Appendix Q**.

The status of required submissions under the EP as of the reporting period are summarized in **Table 28**.

Table 28 Status of submissions required under the EP

EP Condition (EP-565/2019/A)	Submission Title	Submission Status
Condition 2.9	Construction Phase Emergency Response Plan	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.11	Pre-construction Ardeid Night Roost Survey Report	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
EM&A Manual Sec. 7.3.3 & 7.3.4	Baseline Bird Survey Report	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.12	Noise Mitigation Measures Plan	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.13	Proposal for Minimization of Overspill Light to Ecological Sensitive Areas	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Supplementary Contamination Assessment Plan	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Main Storeroom & Workshops	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Mechanical Workshop	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Waste Storage Area	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.

EP Condition (EP-565/2019/A)	Submission Title	Submission Status
Condition 2.14	Contamination Assessment Report for SAS Thickener House-1	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for SAS Thickener House-2	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Screening Press House	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.15	Landscape and Visual Mitigation Plan	Submitted to EPD with ET certification and IEC verification, to be finalised and made available for public inspection via the dedicated website.
Condition 3.3	Baseline Monitoring Report	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 3.4	Monthly EM&A Report (from April 2021 to January 2026)	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 3.5	Quarterly EM&A Report (from April 2021 to December 2025)	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 4.2	Environmental Monitoring Data from April 2021 to January 2026	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.

11 FUTURE KEY ISSUES

11.1 Construction Programme for the Next Three Months

The main works anticipated in the next three months are as follow:

Contract DC/2019/10:

- Fixing GRC panel at CLP Substation
- Pipe works for Modification of Existing Inspection Chamber and Inlet Effluent Pipes from NSWSPS
- T&C Works at IW
- Temporary Road Works at IW (South Side) for FS Inspection
- ABWF and E&M works at IW (Remaining area)
- ELS and RC works at PST Stage 2
- RC work at SDB
- Driven H-Pile works at ADB
- External UU works at site-wide
- RC structure at AGS
- RC structure at TTS and Water Tightness Test
- ABWF, E&M and T&C work at STB
- ELS work at UC2 and UC3
- E&M, Water Tightness Test and Lining work at Sludge Digester no. 1-3
- RC work at PP1
- ELS work at Sludge Digester no. 4-6 and UC4
- E&M work at Biogas Holder no.2

Contract DE/2020/01:

- Installation of PV panels at IW

11.2 Key Issues for the Coming Month

Potential environmental impacts arising from the above construction activities are mainly associated with construction dust, construction noise, waste management, ecology, land contamination and landscape and visual impact issues.

11.3 Monitoring Schedules for the next three months

The tentative schedule for environmental monitoring in the next three months is provided in **Appendix E**.

12 CONCLUSION AND RECOMMENDATION

12.1 Conclusions

12.1.1 1-hour TSP impact monitoring was carried out in the reporting month. No Action / Limit Level exceedance at AM1 and AM2 was recorded during the period.

12.1.2 Construction noise monitoring was carried out in the reporting month. No Action / Limit Level exceedance at CM1, CM2 and CM3 was recorded during the period.

12.1.3 No Action and Limit Level exceedance was recorded for water quality at M1, M2 and M3 in the reporting month.

12.1.4 Ardeid night roost monitoring was carried out in the reporting month. Two active ardeid night roost areas (ANR1 and ANR2) were observed within the Survey Area. These roosts were located at the mangrove strips in the east and northeast portions of the Project boundary. No Action / Limit Level exceedance at NMS1 and NMS2 was recorded during the period.

12.1.5 Ecological bird monitoring was carried out in the reporting month. No Action / Limit exceedance for the ecological monitoring of birds in the reporting month.

12.1.6 Four environmental site inspections were carried out for Contract DC/2019/10 in the reporting month. Recommendations on mitigation measures for chemical waste and construction waste management and permit / licenses were given to the Contractor for remediating the deficiencies identified during the site inspections.

12.1.7 One environmental site inspection was carried out for Contract DE/2020/01 in the reporting month. No recommendations on mitigation measures were given to the Contractor for remediating the deficiencies identified during the site inspections

12.1.8 Four landscape and visual site audits were carried out for Contract DC/2019/10 in the reporting month. No recommendations on mitigation measures were given to the Contractor for remediating the deficiencies identified during the site inspections.

12.1.9 No landscape or visual site audit was carried out for Contract DE/2020/01 in the reporting month.

12.1.10 No environmental complaint, notification of summons and successful prosecution was recorded in the reporting month.

12.2 Comment and Recommendations

12.2.1 The recommended environmental mitigation measures, as proposed in the EIA report and EM&A Manual shall be effectively implemented to minimize the potential environmental impacts from the Project. The EM&A programme would effectively monitor the environmental impacts generated from the construction activities and ensure the proper implementation of mitigation measures.

12.2.2 According to the environmental site inspections performed in the reporting month, the following recommendations were provided:

Contract DC/2019/10:

Air Quality Impact

- No specific observation was identified in the reporting month

Construction Noise Impact

- No specific observation was identified in the reporting month

Water Quality Impact

- No specific observation was identified in the reporting month.

Chemical Waste and Construction Waste Management

- Drip tray should be provided for the fuel drum at SD.

Land Contamination

- No specific observation was identified in the reporting month.

Ecological Impact

- No specific observation was identified in the reporting month.

Landscape and Visual Impact

- No specific observation was identified in the reporting month.

Hazard to Life

- No specific observation was identified in the reporting month.

Permit/ Licenses

- The color of NRMM label for the generator at AGS should be in green.

Other

- No specific observation was identified in the reporting month.

Contract DE/2020/01:

Air Quality Impact

- No specific observation was identified in the reporting month

Construction Noise Impact

- No specific observation was identified in the reporting month

Water Quality Impact

- No specific observation was identified in the reporting month.

Chemical Waste and Construction Waste Management

- No specific observation was identified in the reporting month.

Land Contamination

- No specific observation was identified in the reporting month.

Ecological Impact

- No specific observation was identified in the reporting month.

Hazard to Life

- No specific observation was identified in the reporting month.

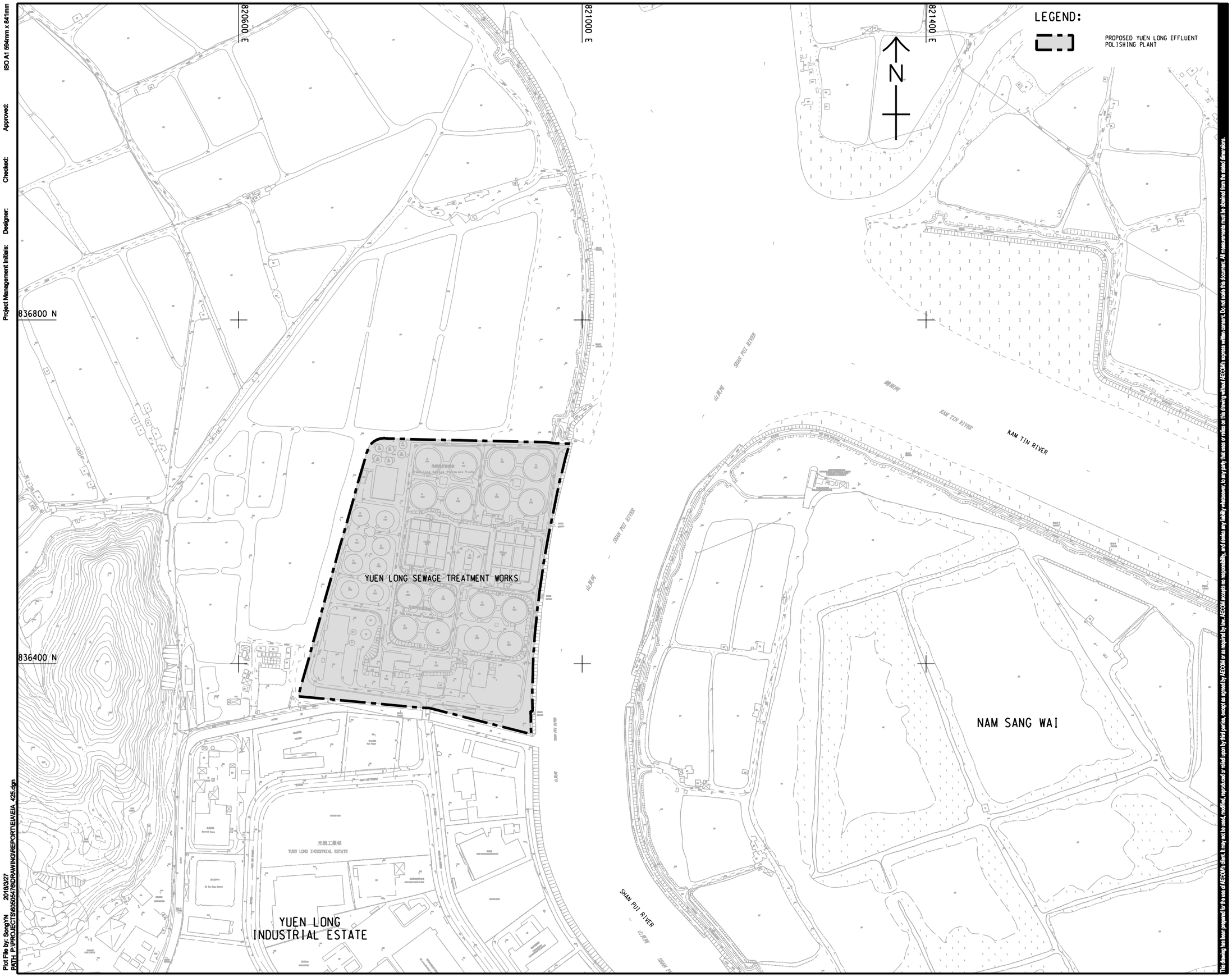
Permit/ Licenses

- No specific observation was identified in the reporting month.

Other

- No specific observation was identified in the reporting month.

Figure 1 Location of Proposed Yuen Long Effluent Polishing Plant



Project Management Initials: Designer: Checked: Approved: ISO A1 594mm x 841mm

Plot File by: SongYN 2016/3/27
PATH: P:\PROJECTS\60505476\DRAWING\REPORT\EIA\EIA_425.dgn

AECOM

PROJECT 項目

YUEN LONG EFFLUENT POLISHING PLANT - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT 業主

渠務署
Drainage Services Department

CONSULTANT 工程顧問公司

AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS 分判工程顧問公司

ISSUE/REVISION 修訂

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核

STATUS 階段

SCALE 比例
A1 1 : 2000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

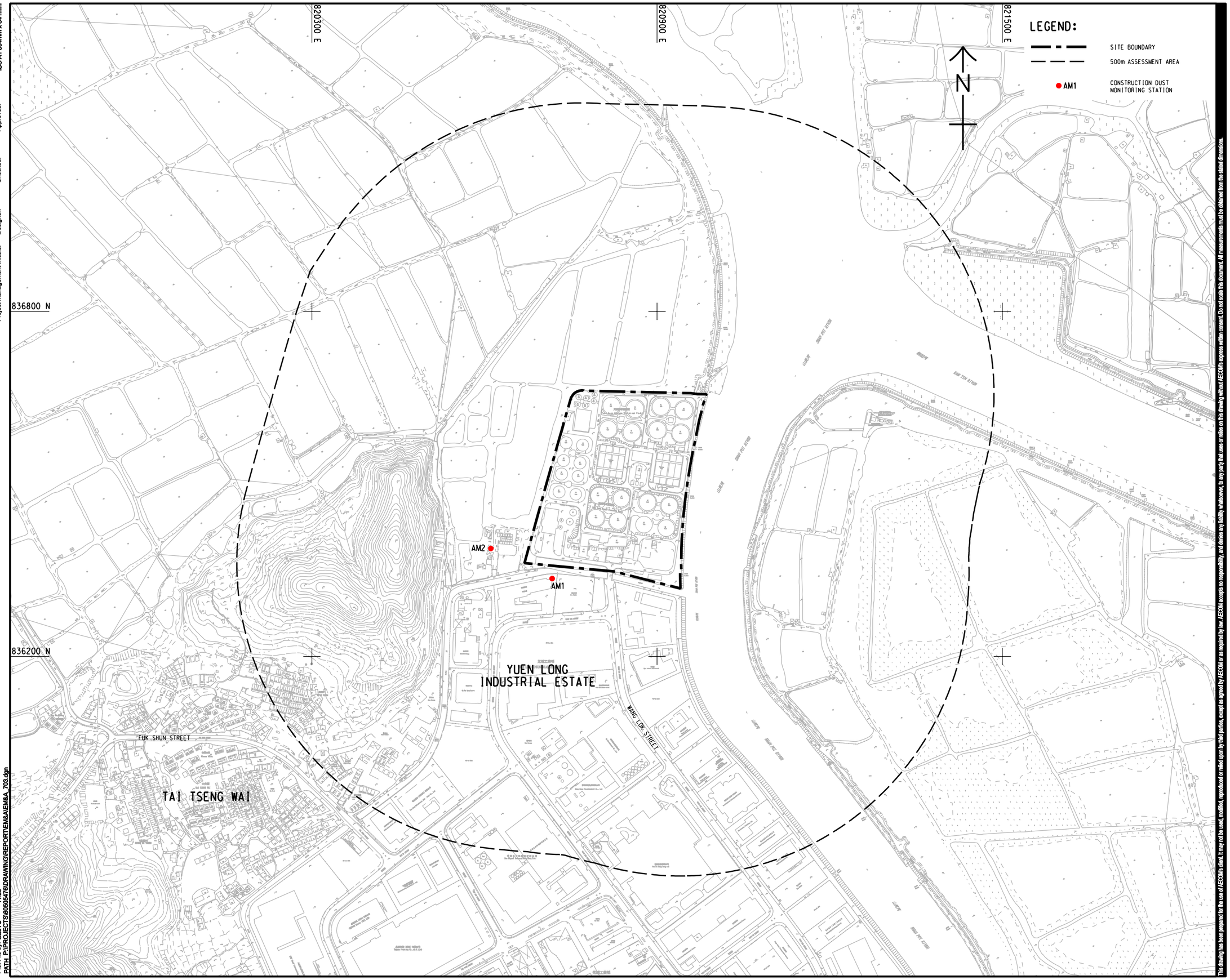
PROJECT NO. 項目編號
60505476

CONTRACT NO. 合約編號
CE 3/2015 (DS)

SHEET TITLE 圖紙名稱
LOCATION OF PROPOSED YUEN LONG EFFLUENT POLISHING PLANT

SHEET NUMBER 圖紙編號

Figure 2 Location of Construction Dust Monitoring Stations



ISO A1 594mm x 841mm

Project Management Initials:
Designer:
Checked:
Approved:

Plot File by: GaoYU 11/29
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PROJECT 項目

YUEN LONG EFFLUENT POLISHING PLANT - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT 業主

渠務署
Drainage Services Department

CONSULTANT 工程顧問公司

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ISSUE/REVISION 修訂

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核查

STATUS 用途

SCALE 比例
A1 1 : 3000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60505476

CONTRACT NO. 合約編號
CE 3/2015 (DS)

SHEET TITLE 圖紙名稱

LOCATION OF CONSTRUCTION DUST MONITOING STATIONS

SHEET NUMBER 圖紙編號

Figure 3 Noise Monitoring Locations

ISO A1 594mm x 841mm

Approved:

Checked:

Designer:

Project Management Initials:

820500 E

820900 E

821300 E

836700 N

836300 N

CM1

CM2

CM3

LEGEND:

SITE BOUNDARY

300m ASSESSMENT AREA

NOISE MONITORING POINT

N

SHAN PUI RIVER

山貝河

KAM TIN RIVER

錦田河

元朗污水處理廠
Yuen Long Sewage Treatment Works

元朗工業邨
YUEN LONG INDUSTRIAL ESTATE

YUEN LONG
INDUSTRIAL ESTATE

WANG LOK STREET

WANG LEE STREET

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PROJECT
項目

YUEN LONG EFFLUENT POLISHING PLANT - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT
業主

渠務署
Drainage Services Department

CONSULTANT
工程顧問公司

AECOM Asia Company Ltd.
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SUB-CONSULTANTS
分判工程顧問公司

ISSUE/REVISION
發行

I/R 發行	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核

STATUS
狀況

SCALE 比例
A1 1 : 2000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN
索引圖

PROJECT NO. 項目編號
60505476

CONTRACT NO. 合約編號
CE 3/2015 (DS)

SHEET TITLE
圖紙名稱

LOCATIONS OF NOISE MONITORING POINTS

SHEET NUMBER
圖紙編號

Figure 4 Water Quality Monitoring Locations

ISO A1 594mm x 841mm

Project Management Initials: Designer: Checked: Approved:

820400 E

821000 E

837200 N

836600 N

836000 N

LEGEND:

- SITE BOUNDARY
- 500m ASSESSMENT AREA
- PONDS
- WATER BODIES
- EXISTING AND PLANNED SEWAGE OUTFALL
- MONITORING STATION

N

M1

M2

M3

KAM TIN RIVER

SHAN PUI RIVER

YUEN LONG INDUSTRIAL ESTATE

MANG LOK STREET

FUK SHUN STREET

TAI TSENG WAI

Plot File by: GaoYU 12/18
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AECOM

PROJECT
項目

YUEN LONG EFFLUENT POLISHING PLANT - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT
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Drainage Services Department

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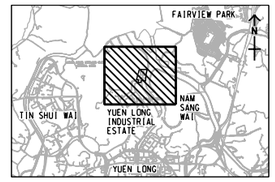
I/R 發行	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核

STATUS
狀況

SCALE 比例
A3 1 : 6000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖 A3 1 : 180000



PROJECT NO. 項目編號
60505476

CONTRACT NO. 合約編號
CE 3/2015 (DS)

SHEET TITLE
圖紙名稱

LOCATIONS OF WATER QUALITY MONITORING STATIONS FOR CONSTRUCTION PHASE

SHEET NUMBER
圖紙編號

Figure 5 Ecology Monitoring Locations

ISO A1 594mm x 841mm

Approved:

Checked:

Designer:

Project Management Initials:

820300 E

820900 E

821500 E

836800 N

836200 N

LEGEND:

SITE BOUNDARY

500m ASSESSMENT AREA

SURVEY TRANSECTS

POINT COUNT LOCATIONS FOR AVIFAUNA SURVEY

N

FLW1

FLW2

FLW3

FLW4

FLW5

FLW6

FLW7

SP/NSW1

SP/NSW2

SP/NSW3

NSW1

FUNG LOK WAI

TAI SANG WAI

NAM SANG WAI

YUEN LONG SEWAGE TREATMENT WORKS

YUEN LONG INDUSTRIAL ESTATE

NG UK TSUEN

LEON COURT

TAI TSENG WAI

FUK SHUN STREET

WANG LOK STREET

SHAN PUI RIVER

KAM TIN RIVER

Plot File by: ZENGFX 2018/8/30

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AECOM

PROJECT
項目

YUEN LONG EFFLUENT POLISHING PLANT - INVESTIGATION, DESIGN AND CONSTRUCTION

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ISSUE/REVISION
修訂

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核查

STATUS
狀況

SCALE 比例
A1 1 : 3000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN
索引圖

PROJECT NO. 項目編號
60505476

CONTRACT NO. 合約編號
CE 3/2015 (DS)

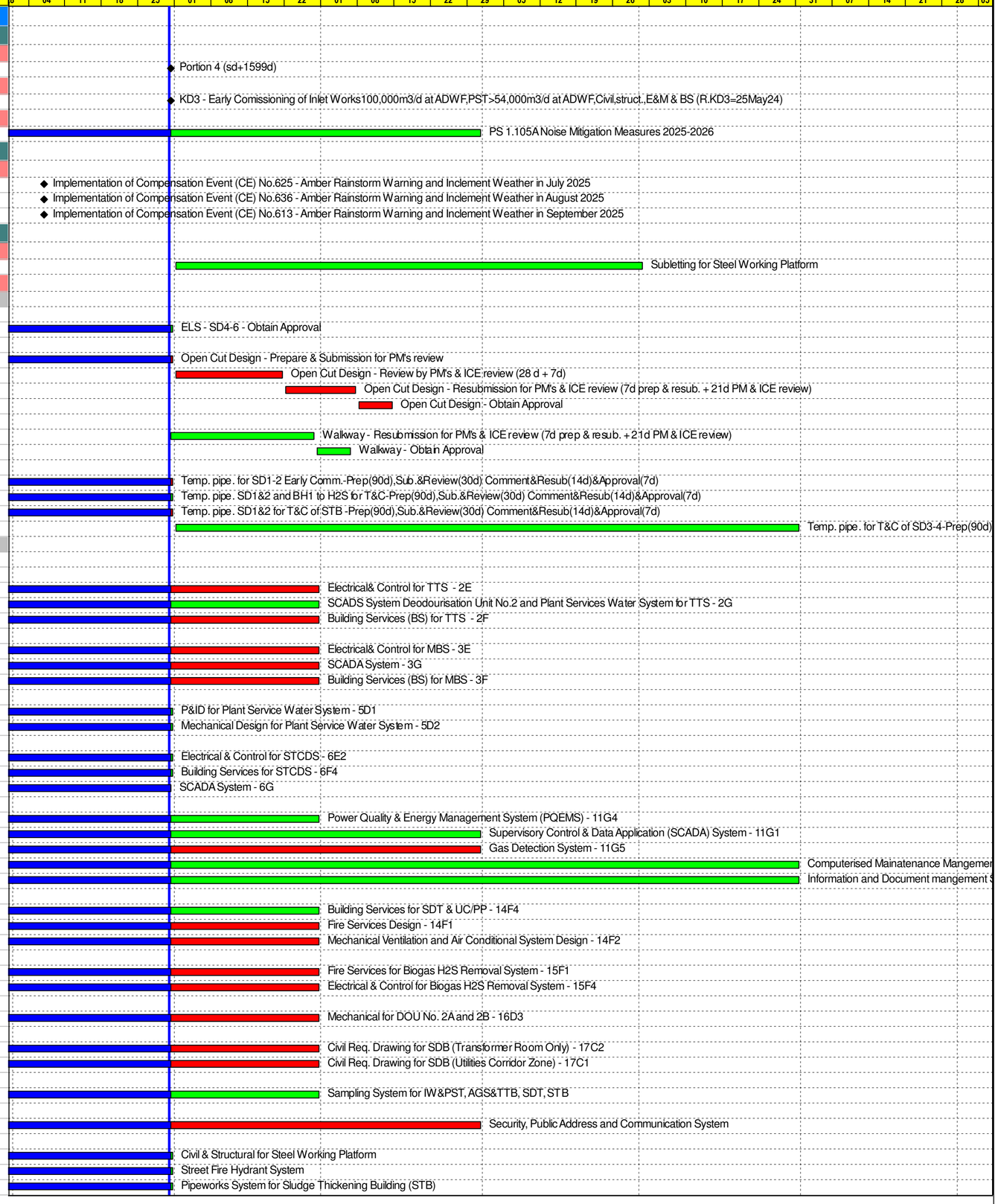
SHEET TITLE
圖紙名稱

ECOLOGICAL MONITORING LOCATIONS

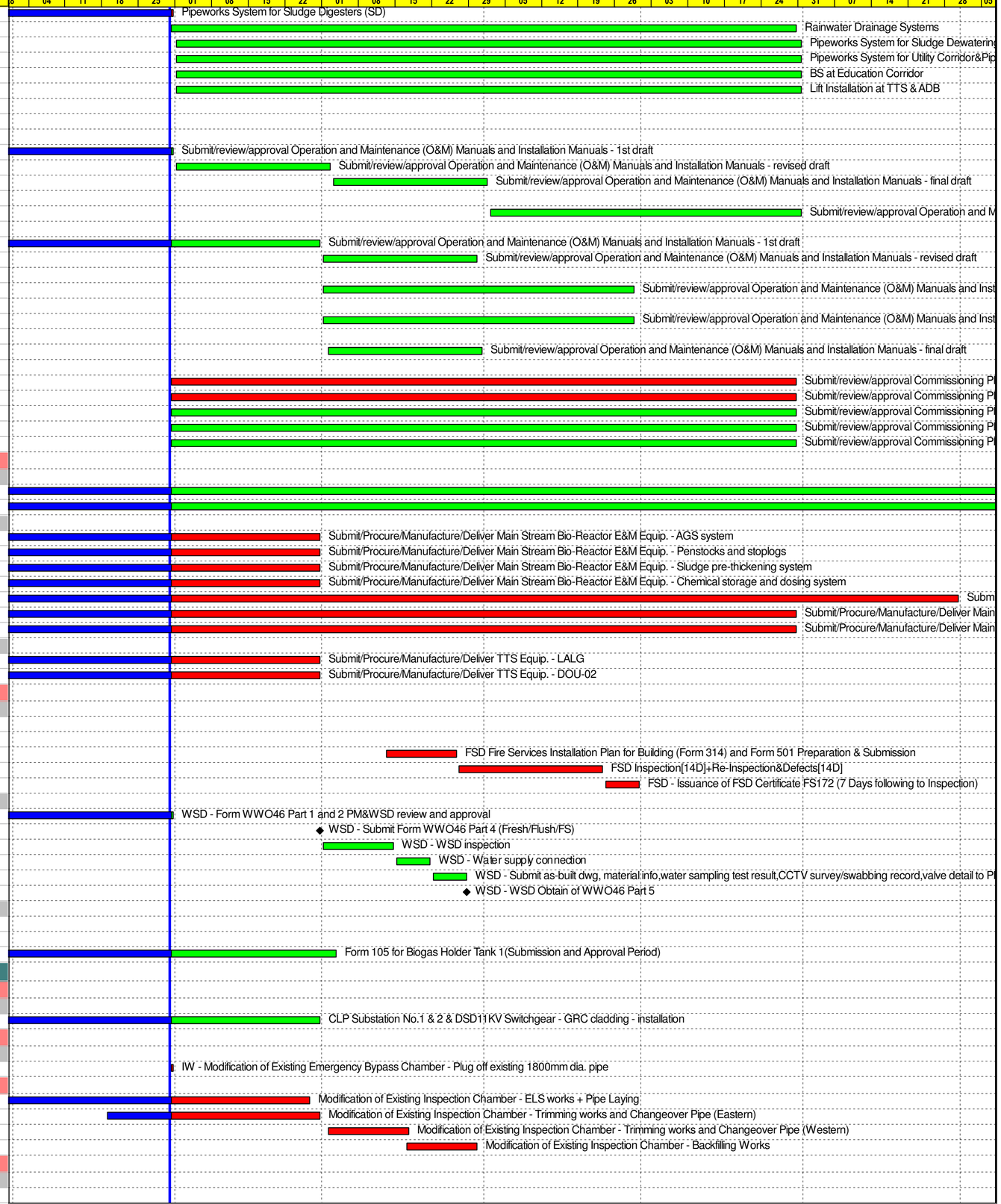
SHEET NUMBER
圖紙編號

Appendix A
Construction Programme

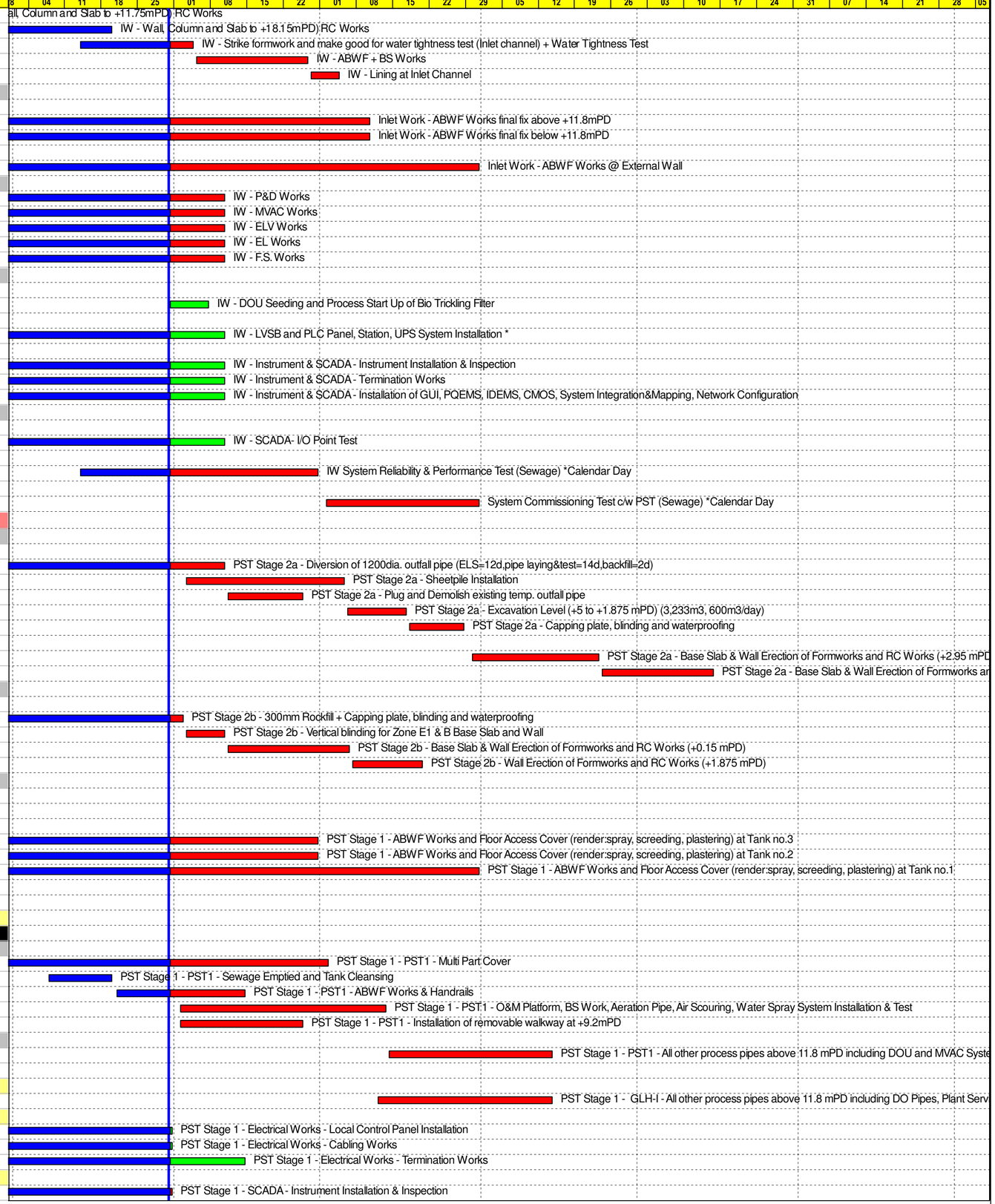
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
YLEPP Stage 1 - Detailed Works Programme DPv58_20260212					
Contract Data Part 1					
Access Dates					
ADP4	Portion 4 (sd+1599d)	0	31-Jan-26*		-310
Contract Key Dates					
CKD3	KD3 - Early Comissioning of Inlet Works100,000m3/d at ADWF,PST>54,000m3/d at ADWF,Civil,str	0		31-Jan-26*	-247
Environmental Constraints					
NMM-2185	PS 1.105A Noise Mitigation Measures 2025-2026	151	01-Nov-25 A	31-Mar-26	406
Planned Completion					
Compensation Events					
CE625	Implementation of Compensation Event (CE) No.625 - Amber Rainstorm Warning and Inclement W	0		07-Jan-26 A	
CE636	Implementation of Compensation Event (CE) No.636 - Amber Rainstorm Warning and Inclement W	0		07-Jan-26 A	
CE641	Implementation of Compensation Event (CE) No.613 - Amber Rainstorm Warning and Inclement W	0		07-Jan-26 A	
Preliminary and Preparation Works					
Subletting					
SUB-320	Subletting for Steel Working Platform	90	01-Feb-26	01-May-26	501
Design Submission					
Temporary Works Design					
Sludge Digester 4-6					
TWD-490	ELS - SD4-6 - Obtain Approval	7	21-Jun-25 A	31-Jan-26	1048
Administration Building					
TWD-300	Open Cut Design - Prepare & Submission for PM's review	30	15-Sep-25 A	31-Jan-26	-71
TWD-310	Open Cut Design - Review by PM's & ICE review (28 d + 7d)	21	01-Feb-26	21-Feb-26	-71
TWD-320	Open Cut Design - Resubmission for PM's & ICE review (7d prep & resub. + 21d PM & ICE review)	14	22-Feb-26	07-Mar-26	-71
TWD-330	Open Cut Design - Obtain Approval	7	08-Mar-26	14-Mar-26	-71
Walkway Across Tai Tseng Wai Nullah					
TWD-620	Walkway - Resubmission for PM's & ICE review (7d prep & resub. + 21d PM & ICE review)	28	31-Jan-26	27-Feb-26	451
TWD-640	Walkway - Obtain Approval	7	28-Feb-26	06-Mar-26	451
Temporary diversion scheme for Early commissioning of SD, BH1, H2S and STB					
TWD-1010	Temp. pipe. for SD1-2 Early Comm.-Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Appro	120	29-Dec-23 A	31-Jan-26	-3
TWD-990	Temp. pipe. SD1&2 and BH1 to H2S for T&C-Prep(90d),Sub.&Review(30d) Comment&Resub(14(	120	30-Jun-25 A	31-Jan-26	191
TWD-1000	Temp. pipe. SD1&2 for T&C of STB -Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Apprc	120	30-Jun-25 A	31-Jan-26	-4
TWD-980	Temp. pipe. for T&C of SD3-4-Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Approval(7d	120	01-Feb-26	31-May-26	246
Contractor 's Permanent Works Design (include ATAL)					
DDA					
Package 2 - Tertiary Treatment System					
DDA-210	Electrical& Control for TTS - 2E	213	31-Dec-21 A	28-Feb-26	-340
DDA-140	SCADS System Deodourisation Unit No.2 and Plant Services Water System for TTS - 2G	126	12-Sep-23 A	28-Feb-26	1020
DDA-220	Building Services (BS) for TTS - 2F	199	30-Oct-23 A	28-Feb-26	-340
Package 3 - Mainstream Bio-Reactor System					
DDA-300	Electrical& Control for MBS - 3E	405	08-Oct-21 A	28-Feb-26	-226
DDA-255	SCADA System - 3G	204	16-Jun-23 A	28-Feb-26	-176
DDA-310	Building Services (BS) for MBS - 3F	151	23-Oct-24 A	28-Feb-26	-216
Package 5 - Master Water Meter Room & PSW					
DDA-390	P&ID for Plant Service Water System - 5D1	64	26-Jun-23 A	31-Jan-26	1048
DDA-385	Mechanical Design for Plant Service Water System - 5D2	64	17-May-25 A	31-Jan-26	1048
Package 6 - Sludge Thickening Chemical and Dosing System					
DDA-1140	Electrical & Control for STCDS - 6E2	315	30-Nov-21 A	31-Jan-26	1048
DDA-1150	Building Services for STCDS - 6F4	126	24-Oct-22 A	31-Jan-26	1048
DDA-440	SCADA System - 6G	250	15-Oct-24 A	31-Jan-26	518
Package 11 - Control and Monitoring System					
DDA-580	Power Quality & Energy Management System (PQEMS) - 11G4	130	02-Oct-21 A	28-Feb-26	1020
DDA-550	Supervisory Control & Data Application (SCADA) System - 11G1	238	24-Apr-23 A	31-Mar-26	989
DDA-1270	Gas Detection System - 11G5	91	08-May-23 A	31-Mar-26	-247
DDA-560	Computerised Mainatenance Mangement System (CMMS) - 11G2	275	30-Jun-25 A	31-May-26	212
DDA-570	Information and Document mangement System (IDMS) - 11G3	275	30-Jun-25 A	31-May-26	928
Package 14 - Sludge Anærobic Digestion System (SDT)					
DDA-1330	Building Services for SDT & UC/PP - 14F4	180	02-May-23 A	28-Feb-26	95
DDA-1640	Fire Services Design - 14F1	180	28-Jan-25 A	28-Feb-26	-32
DDA-1650	Mechanical Ventilation and Air Conditional System Design - 14F2	180	13-Feb-25 A	28-Feb-26	-32
Package 15 - Biogas H2S Removal, Storage and Delivery System					
DDA-1390	Fire Services for Biogas H2S Removal System - 15F1	137	31-May-23 A	28-Feb-26	-83
DDA-1380	Electrical & Control for Biogas H2S Removal System - 15F4	105	25-Sep-23 A	28-Feb-26	-83
Package 16 - Deodorization Unit System					
DDA-1430	Mechanical for DOU No. 2A and 2B - 16D3	122	13-Oct-23 A	28-Feb-26	-148
Package 17 - Sludge Dewatering Building (SDB)					
DDA-950	Civil Req. Drawing for SDB (Transformer Room Only) - 17C2	120	27-Apr-23 A	28-Feb-26	-90
DDA-910	Civil Req. Drawing for SDB (Utilities Corridor Zone) - 17C1	120	27-Mar-24 A	28-Feb-26	-90
Package 22 - Sampling System of YLEPP					
DDA-740	Sampling System for IW&PST, AGS&TTB, SDT, STB	120	07-Jul-23 A	28-Feb-26	1020
Package 23 - Security, Public Address and Communication System					
DDA-750	Security, Public Address and Communication System	120	28-Jun-23 A	31-Mar-26	-299
Design out of ATAL's Scope					
DDA-730	Civil & Structural for Steel Working Platform	100	02-Sep-22 A	31-Jan-26	501
DDA-1560	Street Fire Hydrant System	120	22-Dec-23 A	31-Jan-26	228
DDA-660	Pipeworks System for Sludge Thickening Building (STB)	120	15-Oct-24 A	31-Jan-26	1048



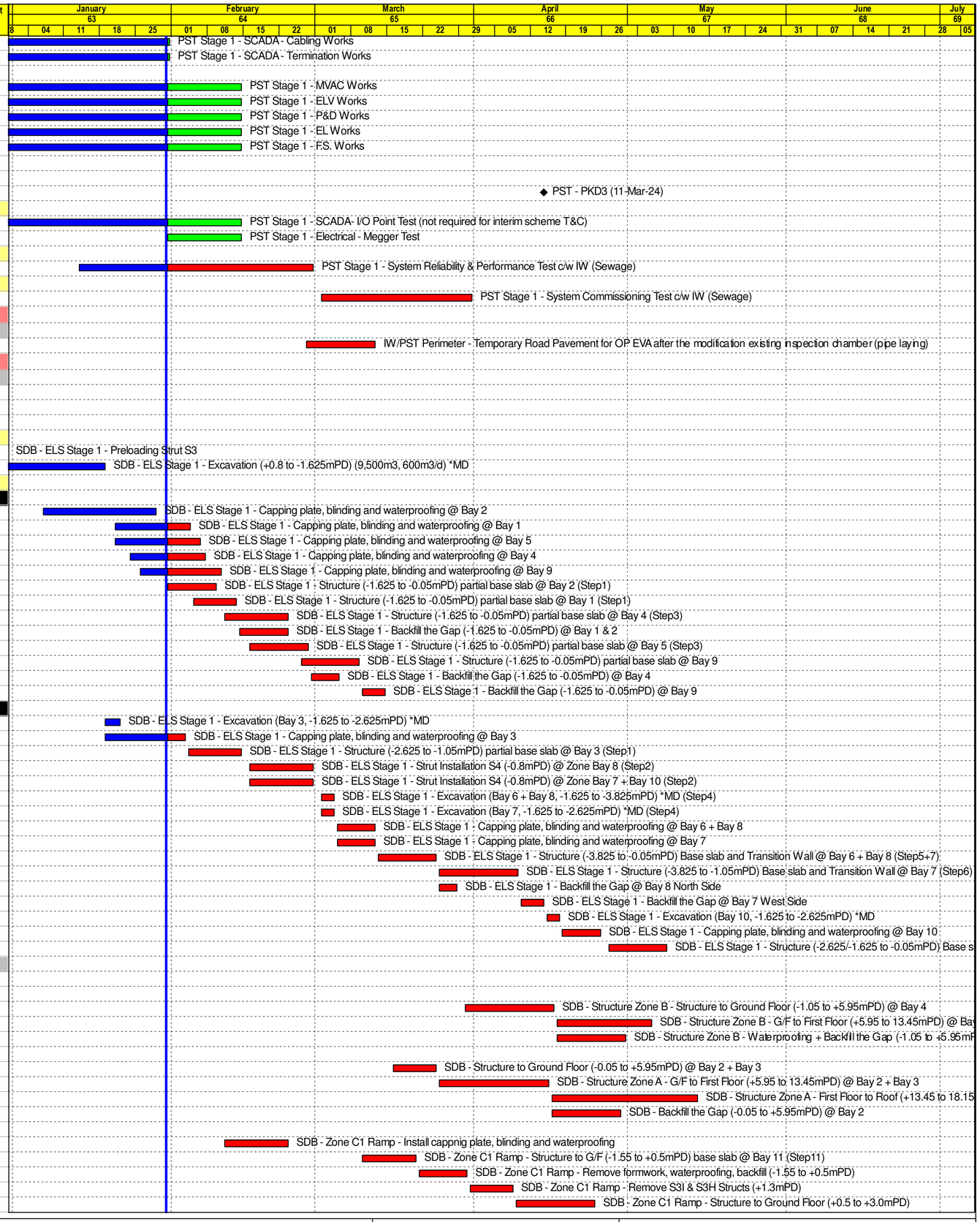
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
DDA-685	Pipeworks System for Sludge Digesters (SD)	120	02-Dec-24 A	31-Jan-26	-4
DDA-1550	Rainwater Drainage Systems	120	31-Jan-26	30-May-26	377
DDA-690	Pipeworks System for Sludge Dewatering Building (SDB)	120	01-Feb-26	31-May-26	38
DDA-700	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP)	120	01-Feb-26	31-May-26	407
DDA-1570	BS at Education Corridor	120	01-Feb-26	31-May-26	331
DDA-1580	Lift Installation at TTS & ADB	120	01-Feb-26	31-May-26	331
Technical Submission					
Operation and Maintenance (O&M) Manuals and Installation Manuals (PS 34.20(11)(12)(13))					
Inlet Works and Primary Sedimentation Tank					
SUBM-1070	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	15-Dec-23 A	31-Jan-26	92
SUBM-1200	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - rev	30	01-Feb-26	02-Mar-26	92
SUBM-1210	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - fina	30	03-Mar-26	01-Apr-26	92
AGS and TTS system					
SUBM-1220	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	02-Apr-26	31-May-26	92
Sludge Thickening System					
SUBM-1250	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	30-Dec-25 A	28-Feb-26	153
SUBM-1260	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - rev	30	01-Mar-26	30-Mar-26	153
Sludge Disgestion System					
SUBM-1310	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	01-Mar-26	29-Apr-26	100
Biogas H2S Removal System					
SUBM-1280	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	01-Mar-26	29-Apr-26	405
Deodourization System					
SUBM-1360	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - fina	30	02-Mar-26	31-Mar-26	584
Commissioning Plan and Procedures (PS34.20(10))					
SUBM-1020	Submit/review/approval Commissioning Plan and Procedures - AGS	120	31-Jan-26	30-May-26	-130
SUBM-1030	Submit/review/approval Commissioning Plan and Procedures - TTS	120	31-Jan-26	30-May-26	-130
SUBM-1040	Submit/review/approval Commissioning Plan and Procedures - STB	120	31-Jan-26	30-May-26	152
SUBM-1050	Submit/review/approval Commissioning Plan and Procedures - SDT	120	31-Jan-26	30-May-26	159
SUBM-1060	Submit/review/approval Commissioning Plan and Procedures - BH	120	31-Jan-26	30-May-26	159
Material Submission, Procurement, Manufacturing and Delivery					
Biogas Holder					
PRE-410	Submit/Procure/Manufacture/Deliver Waste Gas Burner	300	19-Aug-21 A	30-Sep-26	271
PRE-430	Submit/Procure/Manufacture/Deliver Biogas Booster and Transfer Pumps	457	28-Jun-24 A	30-Sep-26	210
Mainstream Bio-Reactor					
PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - AGS system	480	09-Sep-22 A	28-Feb-26	-216
PRE-530	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Penstocks and stoplo	345	31-Oct-22 A	28-Feb-26	-136
PRE-550	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Sludge pre-thickening	510	31-Oct-22 A	28-Feb-26	-160
PRE-540	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Chemical storage and	270	18-Nov-22 A	28-Feb-26	-216
PRE-570	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Instrumentation	481	03-Apr-24 A	30-Jun-26	-257
PRE-560	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - LALG	349	16-Jul-24 A	30-May-26	-307
PRE-580	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - MVAC	138	16-Dec-24 A	30-May-26	-307
Tertiary Treatment System					
PRE-620	Submit/Procure/Manufacture/Deliver TTS Equip. - LALG	150	27-Mar-23 A	28-Feb-26	-157
PRE-690	Submit/Procure/Manufacture/Deliver TTS Equip. - DOU-02	500	07-Sep-23 A	28-Feb-26	-157
Statutory Submission & Approval					
FSI, FSD and OP Requirements					
FSD OP Submission & Approval					
Phase 1 (IWPST)					
FSD-1060	FSD Fire Services Installation Plan for Building (Form 314) and Form 501 Preparation & Submissior	14	13-Mar-26	26-Mar-26	-337
FSD-1070	FSD Inspection[14D]+Re-Inspection&Defects[14D]	28	27-Mar-26	23-Apr-26	-337
FSD-1080	FSD - Issuance of FSD Certificate FS172 (7 Days following to Inspection)	7	24-Apr-26	30-Apr-26	-337
WSD Submission & Approval					
WSD-1030	WSD - Form WWO46 Part 1 and 2 PM&WSD review and approval	60	30-Sep-25 A	31-Jan-26	507
WSD-1040	WSD - Submit Form WWO46 Part 4 (Fresh/Flush/FS)	0		28-Feb-26	503
WSD-1050	WSD - WSD inspection	14	01-Mar-26	14-Mar-26	503
WSD-1060	WSD - Water supply connection	7	15-Mar-26	21-Mar-26	503
WSD-1070	WSD - Submit as-built dwg, material info,water sampling test result,CCTV survey/swabbing record,	7	22-Mar-26	28-Mar-26	503
WSD-1080	WSD - WSD Obtain of WWO46 Part 5	0		28-Mar-26	503
EMSD Submission & Approval					
Biogas System (ATAL)					
Phase 1					
ATAL-FS-0020	Form 105 for Biogas Holder Tank 1(Submission and Approval Period)	184	03-Jun-24 A	03-Mar-26	93
Zone 1 Construction					
CLP Substations No. 1 & 2					
CLP Substation No. 1 & 2 & DSD 11kV Switchgear - GRC Cladding					
CLP-1600	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - installation	75	18-Sep-24 A	28-Feb-26	499
Modification of Existing Emergency Bypass Chamber					
Emergency Bypass Chamber - Structural Works					
IW-3150	IW - Modification of Existing Emergency Bypass Chamber - Plug off existing 1800mm dia. pipe	1	31-Jan-26	31-Jan-26	-205
Modification of Existing Inspection Chamber & Inlet Effluent Pipes from NSWSPS					
IW-1320	Modification of Existing Inspection Chamber - ELS works + Pipe Laying	18	28-Nov-25 A	26-Feb-26	-273
IW-1350	Modification of Existing Inspection Chamber - Trimming works and Changeover Pipe (Eastern)	18	19-Jan-26 A	28-Feb-26	-114
IW-2980	Modification of Existing Inspection Chamber - Trimming works and Changeover Pipe (Western)	14	02-Mar-26	17-Mar-26	-114
IW-1340	Modification of Existing Inspection Chamber - Backfilling Works	12	17-Mar-26	30-Mar-26	-114
Inlet Works (IW)					
IW Civil and Structural Works					
IW Civil and Structure Works (Remaining Area)					



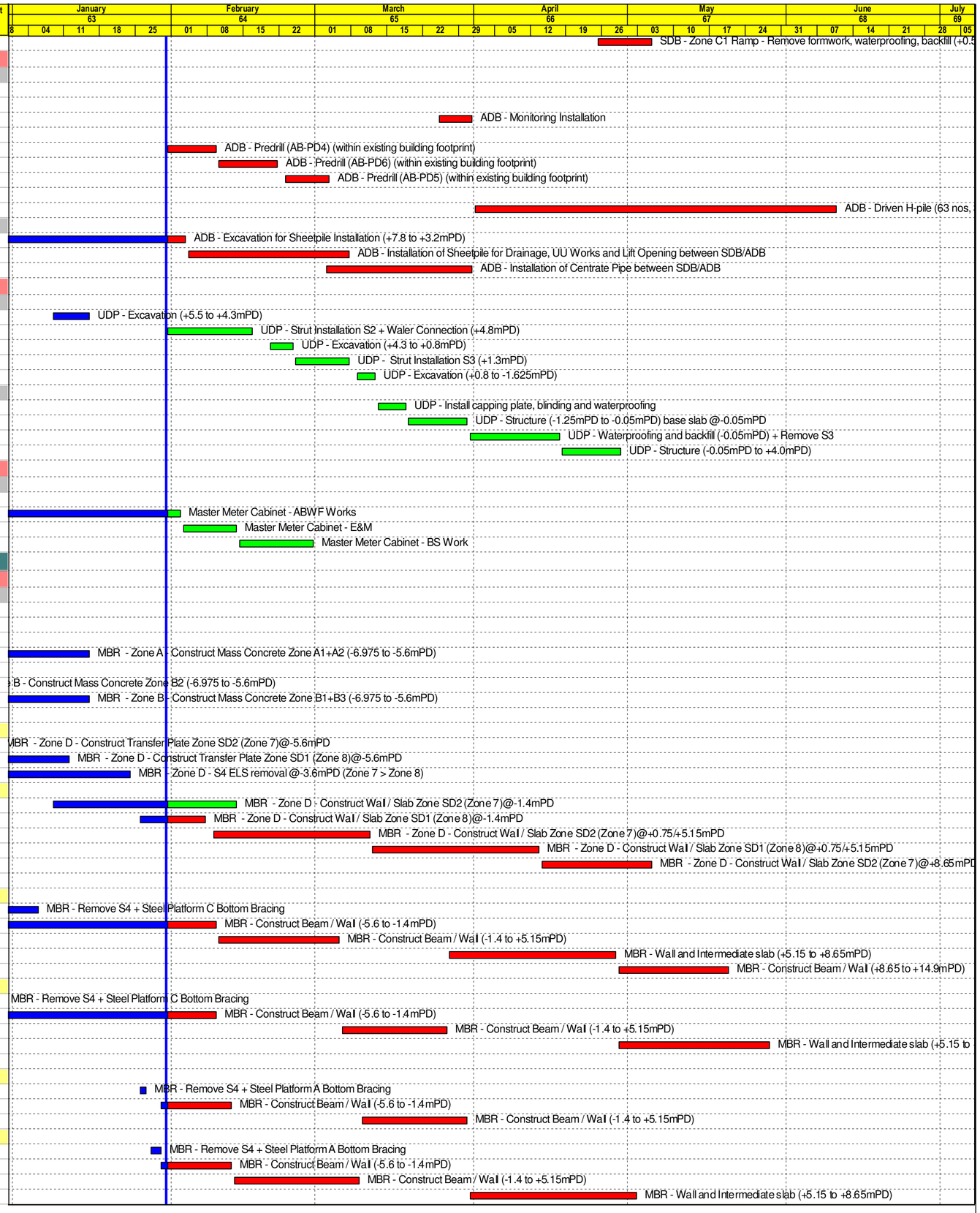
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
Z1-IW-7160	IW - Wall, Column and Slab to +11.75mPD) RC Works	14	15-Dec-25 A	23-Dec-25	
Z1-IW-7170	IW - Wall, Column and Slab to +18.15mPD) RC Works	14	24-Dec-25 A	20-Jan-26 A	
Z1-IW-7180	IW - Strike formwork and make good for water tightness test (Inlet channel) + Water Tightness Tes	21	14-Jan-26 A	04-Feb-26	-257
Z1-IW-7200	IW - ABWF + BS Works	16	05-Feb-26	26-Feb-26	-257
Z1-IW-7190	IW - Lining at Inlet Channel	5	27-Feb-26	04-Mar-26	-257
IW ABWF Works					
IW ABWF Works final fix					
IW-3250	Inlet Work - ABWF Works final fix above +11.8mPD	90	26-Aug-25 A	10-Mar-26	-271
IW-3260	Inlet Work - ABWF Works final fix below +11.8mPD	90	26-Aug-25 A	10-Mar-26	-271
IW ABWF Works - Roof					
IW-3030	Inlet Work - ABWF Works @ External Wall	120	02-Dec-24 A	31-Mar-26	-252
IW BS Works					
ATAL-1540	IW - P&D Works	80	18-Jun-25 A	10-Feb-26	-250
ATAL-1520	IW - MVAC Works	80	10-Jul-25 A	10-Feb-26	-250
ATAL-1530	IW - ELV Works	80	14-Jul-25 A	10-Feb-26	-250
ATAL-1550	IW - EL Works	80	14-Jul-25 A	10-Feb-26	-250
ATAL-1560	IW - F.S. Works	80	14-Jul-25 A	10-Feb-26	-250
IW E&M Works					
DOU-01 System - 01					
ATAL-2120	IW - DOU Seeding and Process Start Up of Bio Trickling Filter	7	31-Jan-26	07-Feb-26	844
LV Switch Room (IW + PST)					
ATAL-1270	IW - LVSB and PLC Panel, Station, UPS System Installation *	36	09-Sep-24 A	10-Feb-26	842
Instrumentation & SCADA Works					
ATAL-1400	IW - Instrument & SCADA - Instrument Installation & Inspection	56	02-Oct-25 A	10-Feb-26	842
ATAL-1440	IW - Instrument & SCADA - Termination Works	56	02-Oct-25 A	10-Feb-26	842
ATAL-1450	IW - Instrument & SCADA - Installation of GUI, PQEMS, IDEMS, CMOS, System Integration&Mapp	56	02-Oct-25 A	10-Feb-26	842
IW E&M T&C Works					
Phase 1- IW Sub-System Physical Dry Check					
ATAL-1590	IW - SCADA- I/O Point Test	50	30-Oct-25 A	10-Feb-26	842
Phase 4 - IW System Reliability & Performance Test (Sewage)					
ATAL-1740	IW System Reliability & Performance Test (Sewage) *Calendar Day	60	14-Jan-26 A	28-Feb-26	-306
Phase 5 - System Commissioning Test c/w PST (Sewage)					
ATAL-1100	System Commissioning Test c/w PST (Sewage) *Calendar Day	30	02-Mar-26	31-Mar-26	-307
Primary Sedimentation Tank (PST)					
PST Stage 2a (N) Basement Construction Works					
Excavation Works					
Z1-PST-4882	PST Stage 2a - Diversion of 1200dia. outfall pipe (ELS=12d,pipe laying&test=14d,backfill=2d)	28	28-Nov-25 A	10-Feb-26	-294
Z1-PST-4300	PST Stage 2a - Sheetpile Installation	24	03-Feb-26	05-Mar-26	-294
Z1-PST-4892	PST Stage 2a - Plug and Demolish existing temp. outfall pipe	10	11-Feb-26	25-Feb-26	-287
Z1-PST-4302	PST Stage 2a - Excavation Level (+5 to +1.875 mPD) (3,233m3, 600m3/day)	10	06-Mar-26	17-Mar-26	-294
Z1-PST-4305	PST Stage 2a - Capping plate, blinding and waterproofing	10	18-Mar-26	28-Mar-26	-294
Basement RC Works					
Z1-PST-4372	PST Stage 2a - Base Slab & Wall Erection of Formworks and RC Works (+2.95 mPD)	18	30-Mar-26	23-Apr-26	-294
Z1-PST-4322	PST Stage 2a - Base Slab & Wall Erection of Formworks and RC Works (+2.45/+2.95 mPD)	18	24-Apr-26	15-May-26	-294
PST Stage 2b (S) Trench Construction Works (Zone E)					
Excavation Works					
Z1-PST-4712	PST Stage 2b - 300mm Rockfill + Capping plate, blinding and waterproofing	18	17-Oct-25 A	02-Feb-26	-287
Z1-PST-4722	PST Stage 2b - Vertical blinding for Zone E1 & B Base Slab and Wall	7	03-Feb-26	10-Feb-26	-287
Z1-PST-4000	PST Stage 2b - Base Slab & Wall Erection of Formworks and RC Works (+0.15 mPD)	18	11-Feb-26	06-Mar-26	-287
Z1-PST-4020	PST Stage 2b - Wall Erection of Formworks and RC Works (+1.875 mPD)	12	07-Mar-26	20-Mar-26	-287
PST ABWF, E&M & T&C					
PST Stage 1					
PST Stage 1 - ABWF Works					
GL A-H above +11.8mPD					
PST-3135	PST Stage 1 - ABWF Works and Floor Access Cover (render:spray, screeding, plastering) at Tank	18	09-Jul-25 A	28-Feb-26	-226
PST-3165	PST Stage 1 - ABWF Works and Floor Access Cover (render:spray, screeding, plastering) at Tank	18	09-Jul-25 A	28-Feb-26	-226
PST-3185	PST Stage 1 - ABWF Works and Floor Access Cover (render:spray, screeding, plastering) at Tank	18	09-Jul-25 A	31-Mar-26	-252
PST Stage 1 - E&M Installation Works					
Phase 1 (GL A-H, PST 1-3, Outlet Channel)					
PST Stage 1 - E&M Installation Works at Setting Zone (PST 1-3)					
PST 1					
PST 1 - Inclined Plate Settling System					
PST-3435	PST Stage 1 - PST1 - Multi Part Cover	25	22-Dec-25 A	02-Mar-26	-252
PST-3320	PST Stage 1 - PST1 - Sewage Emptied and Tank Cleansing	12	08-Jan-26 A	20-Jan-26 A	
PST-3425	PST Stage 1 - PST1 - ABWF Works & Handrails	18	21-Jan-26 A	14-Feb-26	-261
ATALPST-5410	PST Stage 1 - PST1 - O&M Platform, BS Work, Aeration Pipe, Air Scouring, Water Spray System Ir	32	02-Feb-26	13-Mar-26	-262
PST-3325	PST Stage 1 - PST1 - Installation of removable walkway at +9.2mPD	18	02-Feb-26	25-Feb-26	-261
PST 1 - Compressors , Air blowers c/w associated fittings					
ATALPST-5470	PST Stage 1 - PST1 - All other process pipes above 11.8 mPD including DOU and MVAC System	23	14-Mar-26	14-Apr-26	-260
Phase 2 (GL H-I, (Inlet Channel, Pump Room) Handover for PST early commissioning *					
PST Stage 1 - Compressors , Air blowers c/w associated fittings					
ATALPST-6770	PST Stage 1 - GLH-I - All other process pipes above 11.8 mPD including DO Pipes, Plant Service \	25	12-Mar-26	14-Apr-26	-260
PST Stage 1 - Electrical Works (PST 1-3, Inlet/Outlet Channel&Pump Room)					
ATALPST-5670	PST Stage 1 - Electrical Works - Local Control Panel Installation	26	22-Sep-25 A	31-Jan-26	850
ATALPST-5680	PST Stage 1 - Electrical Works - Cabling Works	26	22-Sep-25 A	31-Jan-26	850
ATALPST-5690	PST Stage 1 - Electrical Works - Termination Works	26	22-Sep-25 A	14-Feb-26	838
PST Stage 1 - Instrumentation & SCADA Works (PST 1-3, Inlet/Outlet Channel & Pump Room)					
ATALPST-5700	PST Stage 1 - SCADA - Instrument Installation & Inspection	38	22-Sep-25 A	31-Jan-26	-229



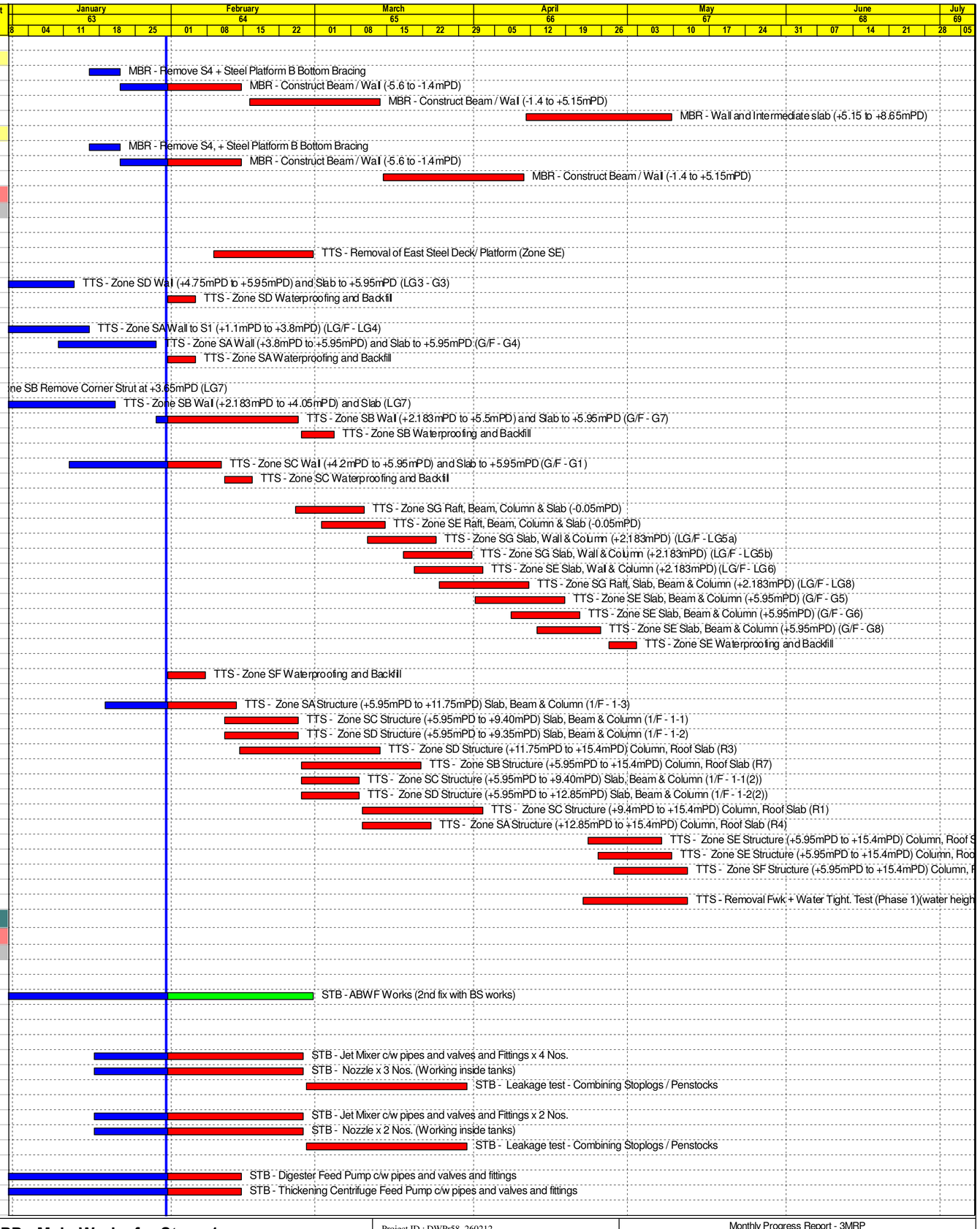
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
ATALPST-5730	PST Stage 1 - SCADA - Cabling Works	38	22-Sep-25 A	31-Jan-26	848
ATALPST-5740	PST Stage 1 - SCADA - Termination Works	38	22-Sep-25 A	31-Jan-26	848
	PST Stage 1 - BS Works (PST 1-3, Inlet/Outlet Channel & Pump Room)				
ATALPST-5750	PST Stage 1 - MVAC Works	43	01-Nov-25 A	14-Feb-26	838
ATALPST-5760	PST Stage 1 - ELV Works	43	01-Nov-25 A	14-Feb-26	838
ATALPST-5770	PST Stage 1 - P&D Works	43	01-Nov-25 A	14-Feb-26	415
ATALPST-5780	PST Stage 1 - EL Works	43	01-Nov-25 A	14-Feb-26	838
ATALPST-5790	PST Stage 1 - F.S. Works	43	01-Dec-25 A	14-Feb-26	415
	PST Stage 1 - T&C Works				
	PST Stage 1 - T&C Works (PST 1-3, Inlet / Outlet Channel & Pump Room)				
PST-PKD3	PST - PKD3 (11-Mar-24)	0		14-Apr-26	-321
	Phase 1 - PST 1-3 Sub-System Physical Dry Check				
ATALPST-5820	PST Stage 1 - SCADA- I/O Point Test (not required for interim scheme T&C)	49	01-Nov-25 A	14-Feb-26	838
ATALPST-5810	PST Stage 1 - Electrical - Megger Test	13	31-Jan-26	14-Feb-26	838
	Phase 4 - PST 1-3 System Reliability & Performance Test c/w IW (Sewage)				
ATALPST-6000	PST Stage 1 - System Reliability & Performance Test c/w IW (Sewage)	60	14-Jan-26 A	28-Feb-26	-306
	Phase 5 - System Commissioning Test c/w IW (Sewage)				
ATALPST-6010	PST Stage 1 - System Commissioning Test c/w IW (Sewage)	30	02-Mar-26	31-Mar-26	-307
	External Works - IWB & PST				
	IWPST External Works - Roadworks				
EW-1550	IW/PST Perimeter - Temporary Road Pavement for OP EVA after the modification existing inspectic	12	27-Feb-26	12-Mar-26	-273
	Sludge Dewatering Building (SDB)				
	SDB Foundation & ELS				
	SDB Foundation - PST 1-4 Footprint				
	SDB Foundation - ELS				
	SDB Foundation - ELS				
	SDB Foundation - ELS Zone A & B (S1 to S3)				
SDB-6020	SDB - ELS Stage 1 - Preloading Strut S3	5	22-Dec-25 A	31-Dec-25	
SDB-6120	SDB - ELS Stage 1 - Excavation (+0.8 to -1.625mPD) (9,500m3, 600m3/d) *MD	12	27-Dec-25 A	19-Jan-26 A	
	SDB Foundation - ELS Zone A & B (Base Slab and S4)				
	SDB Foundation - ELS (Base Slab and S4) - Zone A				
SDB-6300	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 2	5	07-Jan-26 A	29-Jan-26 A	
SDB-6305	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 1	5	21-Jan-26 A	04-Feb-26	-94
SDB-6315	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 5	5	21-Jan-26 A	06-Feb-26	-72
SDB-6310	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 4	5	24-Jan-26 A	07-Feb-26	-75
SDB-6320	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 9	6	26-Jan-26 A	10-Feb-26	-69
SDB-6050	SDB - ELS Stage 1 - Structure (-1.625 to -0.05mPD) partial base slab @ Bay 2 (Step1)	8	31-Jan-26	09-Feb-26	-90
SDB-6052	SDB - ELS Stage 1 - Structure (-1.625 to -0.05mPD) partial base slab @ Bay 1 (Step1)	8	05-Feb-26	13-Feb-26	-94
SDB-6100	SDB - ELS Stage 1 - Structure (-1.625 to -0.05mPD) partial base slab @ Bay 4 (Step3)	8	11-Feb-26	23-Feb-26	-77
SDB-6055	SDB - ELS Stage 1 - Backfill the Gap (-1.625 to -0.05mPD) @ Bay 1 & 2	5	14-Feb-26	23-Feb-26	-40
SDB-6102	SDB - ELS Stage 1 - Structure (-1.625 to -0.05mPD) partial base slab @ Bay 5 (Step3)	8	16-Feb-26	27-Feb-26	-79
SDB-6240	SDB - ELS Stage 1 - Structure (-1.625 to -0.05mPD) partial base slab @ Bay 9	10	26-Feb-26	09-Mar-26	-79
SDB-6105	SDB - ELS Stage 1 - Backfill the Gap (-1.625 to -0.05mPD) @ Bay 4	5	28-Feb-26	05-Mar-26	-49
SDB-6245	SDB - ELS Stage 1 - Backfill the Gap (-1.625 to -0.05mPD) @ Bay 9	5	10-Mar-26	14-Mar-26	-53
	SDB Foundation - ELS (Base Slab and S4) - Zone B				
SDB-1400	SDB - ELS Stage 1 - Excavation (Bay 3, -1.625 to -2.625mPD) *MD	3	19-Jan-26 A	22-Jan-26 A	
SDB-6340	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 3	5	19-Jan-26 A	03-Feb-26	-95
SDB-6060	SDB - ELS Stage 1 - Structure (-2.625 to -1.05mPD) partial base slab @ Bay 3 (Step1)	10	04-Feb-26	14-Feb-26	-95
SDB-6030	SDB - ELS Stage 1 - Strut Installation S4 (-0.8mPD) @ Zone Bay 8 (Step2)	9	16-Feb-26	28-Feb-26	-95
SDB-6250	SDB - ELS Stage 1 - Strut Installation S4 (-0.8mPD) @ Zone Bay 7 + Bay 10 (Step2)	9	16-Feb-26	28-Feb-26	-85
SDB-6070	SDB - ELS Stage 1 - Excavation (Bay 6 + Bay 8, -1.625 to -3.825mPD) *MD (Step4)	3	02-Mar-26	04-Mar-26	-95
SDB-6140	SDB - ELS Stage 1 - Excavation (Bay 7, -1.625 to -2.625mPD) *MD (Step4)	3	02-Mar-26	04-Mar-26	-85
SDB-6330	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 6 + Bay 8	7	05-Mar-26	12-Mar-26	-95
SDB-6350	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 7	7	05-Mar-26	12-Mar-26	-85
SDB-6080	SDB - ELS Stage 1 - Structure (-3.825 to -0.05mPD) Base slab and Transition Wall @ Bay 6 + Bay	10	13-Mar-26	24-Mar-26	-95
SDB-6130	SDB - ELS Stage 1 - Structure (-3.825 to -1.05mPD) Base slab and Transition Wall @ Bay 7 (Step	10	25-Mar-26	09-Apr-26	-95
SDB-6085	SDB - ELS Stage 1 - Backfill the Gap @ Bay 8 North Side	4	25-Mar-26	28-Mar-26	-85
SDB-6135	SDB - ELS Stage 1 - Backfill the Gap @ Bay 7 West Side	4	10-Apr-26	14-Apr-26	-95
SDB-6630	SDB - ELS Stage 1 - Excavation (Bay 10, -1.625 to -2.625mPD) *MD	3	15-Apr-26	17-Apr-26	-95
SDB-6640	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 10	7	18-Apr-26	25-Apr-26	-95
SDB-6460	SDB - ELS Stage 1 - Structure (-2.625/-1.625 to -0.05mPD) Base slab and Transition Wall @ Bay	10	27-Apr-26	08-May-26	-95
	SDB Structure				
	SDB Structure Zone A and B				
	SDB Structure Zone 3B and 4B				
SDB-6150	SDB - Structure Zone B - Structure to Ground Floor (-1.05 to +5.95mPD) @ Bay 4	12	30-Mar-26	16-Apr-26	-69
SDB-6200	SDB - Structure Zone B - G/F to First Floor (+5.95 to 13.45mPD) @ Bay 4	15	17-Apr-26	05-May-26	-47
SDB-6175	SDB - Structure Zone B - Waterproofing + Backfill the Gap (-1.05 to +5.95mPD) @ Bay 4	12	17-Apr-26	30-Apr-26	-25
	SDB Structure Zone 2A and 2B				
SDB-6490	SDB - Structure to Ground Floor (-0.05 to +5.95mPD) @ Bay 2 + Bay 3	8	16-Mar-26	24-Mar-26	-53
SDB-6580	SDB - Structure Zone A - G/F to First Floor (+5.95 to 13.45mPD) @ Bay 2 + Bay 3	15	25-Mar-26	15-Apr-26	-31
SDB-6610	SDB - Structure Zone A - First Floor to Roof (+13.45 to 18.15mPD) @ Bay 2 + Bay 3	24	16-Apr-26	14-May-26	-31
SDB-6720	SDB - Backfill the Gap (-0.05 to +5.95mPD) @ Bay 2	12	16-Apr-26	29-Apr-26	-14
	SDB Structure Zone C1 (Ramp)				
SDB-2340	SDB - Zone C1 Ramp - Install cappnig plate, blinding and waterproofing	8	11-Feb-26	23-Feb-26	-67
SDB-2210	SDB - Zone C1 Ramp - Structure to G/F (-1.55 to +0.5mPD) base slab @ Bay 11 (Step11)	10	10-Mar-26	20-Mar-26	-79
SDB-6430	SDB - Zone C1 Ramp - Remove formwork, waterproofing, backfill (-1.55 to +0.5mPD)	8	21-Mar-26	30-Mar-26	-79
SDB-6760	SDB - Zone C1 Ramp - Remove S3I & S3H Structs (+1.3mPD)	4	31-Mar-26	08-Apr-26	-79
SDB-2240	SDB - Zone C1 Ramp - Structure to Ground Floor (+0.5 to +3.0mPD)	14	09-Apr-26	24-Apr-26	-79



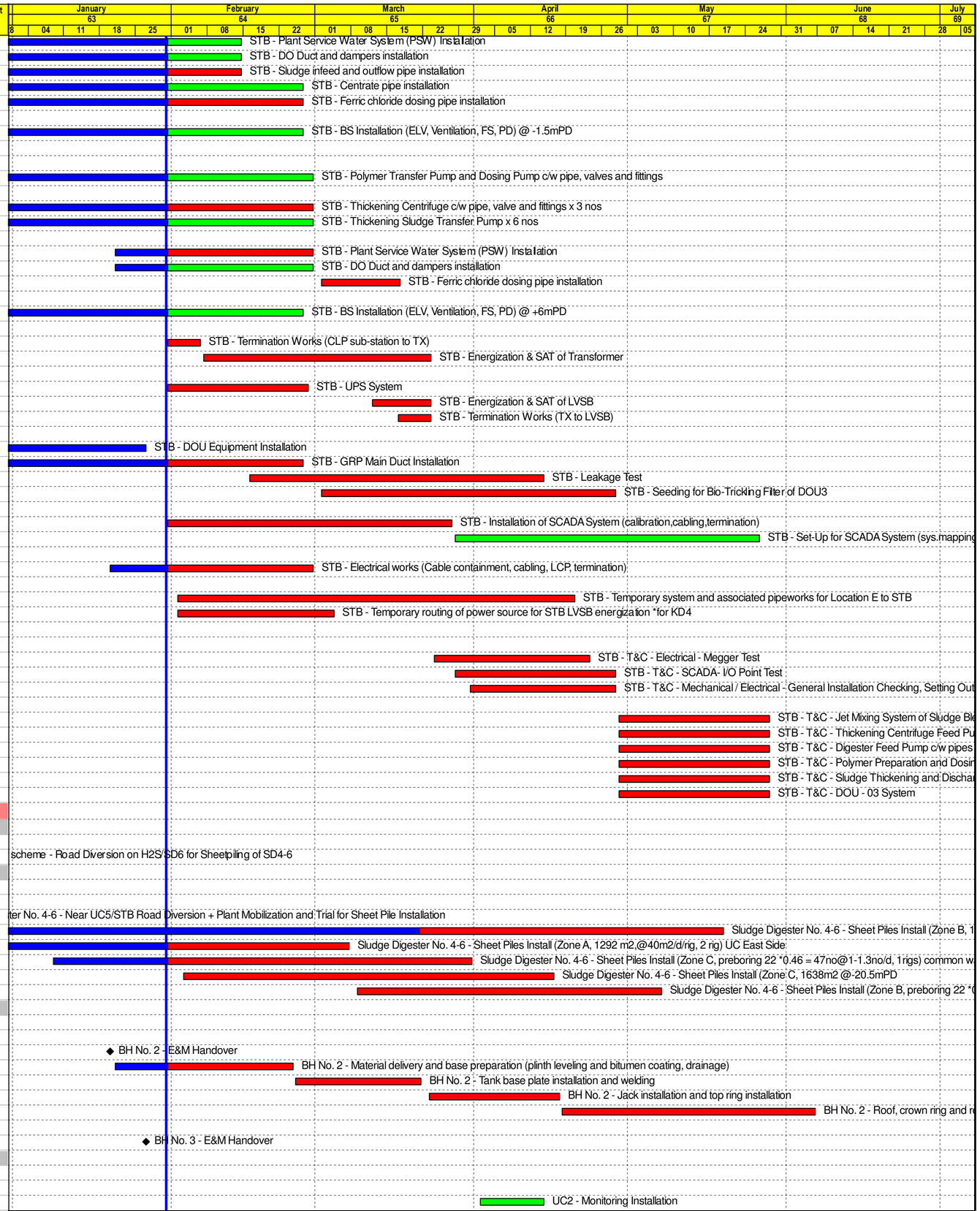
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
SDB-6770	SDB - Zone C1 Ramp - Remove formwork, waterproofing, backfill (+0.5 to +3.0mPD)	8	25-Apr-26	05-May-26	-79
Administration Building (ADB)					
ADB Foundation Works					
ADB Predrilling and Piling after Demolition					
ADB Monitoring					
ADB-1230	ADB - Monitoring Installation	6	25-Mar-26	31-Mar-26	-178
ADB Predrilling					
ADB-1420	ADB - Predrill (AB-PD4) (within existing building footprint)	8	31-Jan-26	09-Feb-26	-154
ADB-1440	ADB - Predrill (AB-PD6) (within existing building footprint)	8	10-Feb-26	21-Feb-26	-154
ADB-1430	ADB - Predrill (AB-PD5) (within existing building footprint)	8	23-Feb-26	03-Mar-26	-154
ADB Piling					
ADB-1090	ADB - Driven H-pile (63 nos, 3,160m, @ 58m/d/rig, 1rig) after demolition	55	01-Apr-26	10-Jun-26	-55
ADB Excavation + UU between ADB/SDB					
ADB-1110	ADB - Excavation for Sheetpile Installation (+7.8 to +3.2mPD)	14	29-Dec-25 A	03-Feb-26	-178
ADB-1115	ADB - Installation of Sheetpile for Drainage, UU Works and Lift Opening between SDB/ADB	25	04-Feb-26	07-Mar-26	-178
ADB-1125	ADB - Installation of Centrate Pipe between SDB/ADB	25	03-Mar-26	31-Mar-26	-178
Underpass					
UDP Foundation and ELS Works					
UDP-1040	UDP - Excavation (+5.5 to +4.3mPD)	4	09-Jan-26 A	16-Jan-26 A	
UDP-1200	UDP - Strut Installation S2 + Waler Connection (+4.8mPD)	14	31-Jan-26	16-Feb-26	10
UDP-1210	UDP - Excavation (+4.3 to +0.8mPD)	4	20-Feb-26	24-Feb-26	10
UDP-1050	UDP - Strut Installation S3 (+1.3mPD)	10	25-Feb-26	07-Mar-26	10
UDP-1060	UDP - Excavation (+0.8 to -1.625mPD)	4	09-Mar-26	12-Mar-26	10
UDP Structure					
UDP-1180	UDP - Install capping plate, blinding and waterproofing	5	13-Mar-26	18-Mar-26	10
UDP-1170	UDP - Structure (-1.25mPD to -0.05mPD) base slab @-0.05mPD	10	19-Mar-26	30-Mar-26	10
UDP-1175	UDP - Waterproofing and backfill (-0.05mPD) + Remove S3	12	31-Mar-26	17-Apr-26	10
UDP-1070	UDP - Structure (-0.05mPD to +4.0mPD)	10	18-Apr-26	29-Apr-26	10
External Works - Other Areas					
Water Meter Cabinet					
Water Meter Cabinet - Structure					
CLP-1360	Master Meter Cabinet - ABWF Works	10	11-Sep-25 A	02-Feb-26	406
CLP-1370	Master Meter Cabinet - E&M	10	03-Feb-26	13-Feb-26	406
CLP-1365	Master Meter Cabinet - BS Work	10	14-Feb-26	28-Feb-26	406
Zone 2 Construction					
Mainstream Bio-Reactor & Auxillary Facility (MBR and AF)					
MBR and AF Structure					
MBR Structure					
MBR Substructure + Superstructure					
MBR Substructure Zone A					
MBRAF-4480	MBR - Zone A - Construct Mass Concrete Zone A1+A2 (-6.975 to -5.6mPD)	7	20-Dec-25 A	16-Jan-26 A	
MBR Substructure Zone B					
MBRAF-4430	MBR - Zone B - Construct Mass Concrete Zone B2 (-6.975 to -5.6mPD)	7	02-Dec-25 A	19-Dec-25	
MBRAF-4440	MBR - Zone B - Construct Mass Concrete Zone B1+B3 (-6.975 to -5.6mPD)	8	23-Dec-25 A	16-Jan-26 A	
MBR Substructure Zone D (Zone 7 & 8)					
Transfer Plate					
MBRAF-4210	MBR - Zone D - Construct Transfer Plate Zone SD2 (Zone 7)@-5.6mPD	14	03-Dec-25 A	29-Dec-25	
MBRAF-4330	MBR - Zone D - Construct Transfer Plate Zone SD1 (Zone 8)@-5.6mPD	14	12-Dec-25 A	12-Jan-26 A	
MBRAF-5520	MBR - Zone D - S4 ELS removal @-3.6mPD (Zone 7 > Zone 8)	12	31-Dec-25 A	24-Jan-26 A	
Central Corridor (Zone 7 & 8)					
MBRAF-5400	MBR - Zone D - Construct Wall / Slab Zone SD2 (Zone 7)@-1.4mPD	18	09-Jan-26 A	13-Feb-26	839
MBRAF-5410	MBR - Zone D - Construct Wall / Slab Zone SD1 (Zone 8)@-1.4mPD	18	26-Jan-26 A	07-Feb-26	-337
MBRAF-5420	MBR - Zone D - Construct Wall / Slab Zone SD2 (Zone 7)@+0.75/+5.15mPD	24	09-Feb-26	11-Mar-26	-337
MBRAF-5430	MBR - Zone D - Construct Wall / Slab Zone SD1 (Zone 8)@+0.75/+5.15mPD	24	12-Mar-26	13-Apr-26	-337
MBRAF-5440	MBR - Zone D - Construct Wall / Slab Zone SD2 (Zone 7)@+8.65mPD	18	14-Apr-26	05-May-26	-337
MBR Structure Zone C (Tank 2, Tank 4 and Air Blower Rm)					
Tank 2 (Zone 2)					
MBRAF-4500	MBR - Remove S4 + Steel Platform C Bottom Bracing	8	22-Dec-25 A	06-Jan-26 A	
MBRAF-4530	MBR - Construct Beam / Wall (-5.6 to -1.4mPD)	24	30-Dec-25 A	09-Feb-26	-286
MBRAF-4550	MBR - Construct Beam / Wall (-1.4 to +5.15mPD)	18	10-Feb-26	05-Mar-26	-286
MBRAF-4920	MBR - Wall and Intermediate slab (+5.15 to +8.65mPD)	24	27-Mar-26	28-Apr-26	-286
MBRAF-4990	MBR - Construct Beam / Wall (+8.65 to +14.9mPD)	18	29-Apr-26	20-May-26	-218
Tank 4 (Zone 4) + Air Blower Rm					
MBRAF-4600	MBR - Remove S4 + Steel Platform C Bottom Bracing	8	18-Dec-25 A	30-Dec-25	
MBRAF-4630	MBR - Construct Beam / Wall (-5.6 to -1.4mPD)	24	26-Dec-25 A	09-Feb-26	-286
MBRAF-4650	MBR - Construct Beam / Wall (-1.4 to +5.15mPD)	18	06-Mar-26	26-Mar-26	-286
MBRAF-4930	MBR - Wall and Intermediate slab (+5.15 to +8.65mPD) and Air Blower Rm	24	29-Apr-26	28-May-26	-286
MBR Structure Zone A (Tank 5 and Tank 6)					
Tank 5 (Zone 5)					
MBRAF-2520	MBR - Remove S4 + Steel Platform A Bottom Bracing	4	26-Jan-26 A	27-Jan-26 A	
MBRAF-2550	MBR - Construct Beam / Wall (-5.6 to -1.4mPD)	24	30-Jan-26 A	12-Feb-26	-228
MBRAF-2590	MBR - Construct Beam / Wall (-1.4 to +5.15mPD)	18	10-Mar-26	30-Mar-26	-228
Tank 6 (Zone 6)					
MBRAF-4700	MBR - Remove S4 + Steel Platform A Bottom Bracing	4	28-Jan-26 A	30-Jan-26 A	
MBRAF-4730	MBR - Construct Beam / Wall (-5.6 to -1.4mPD)	24	30-Jan-26 A	12-Feb-26	-228
MBRAF-4780	MBR - Construct Beam / Wall (-1.4 to +5.15mPD)	18	13-Feb-26	09-Mar-26	-228
MBRAF-4940	MBR - Wall and Intermediate slab (+5.15 to +8.65mPD)	24	31-Mar-26	02-May-26	-228



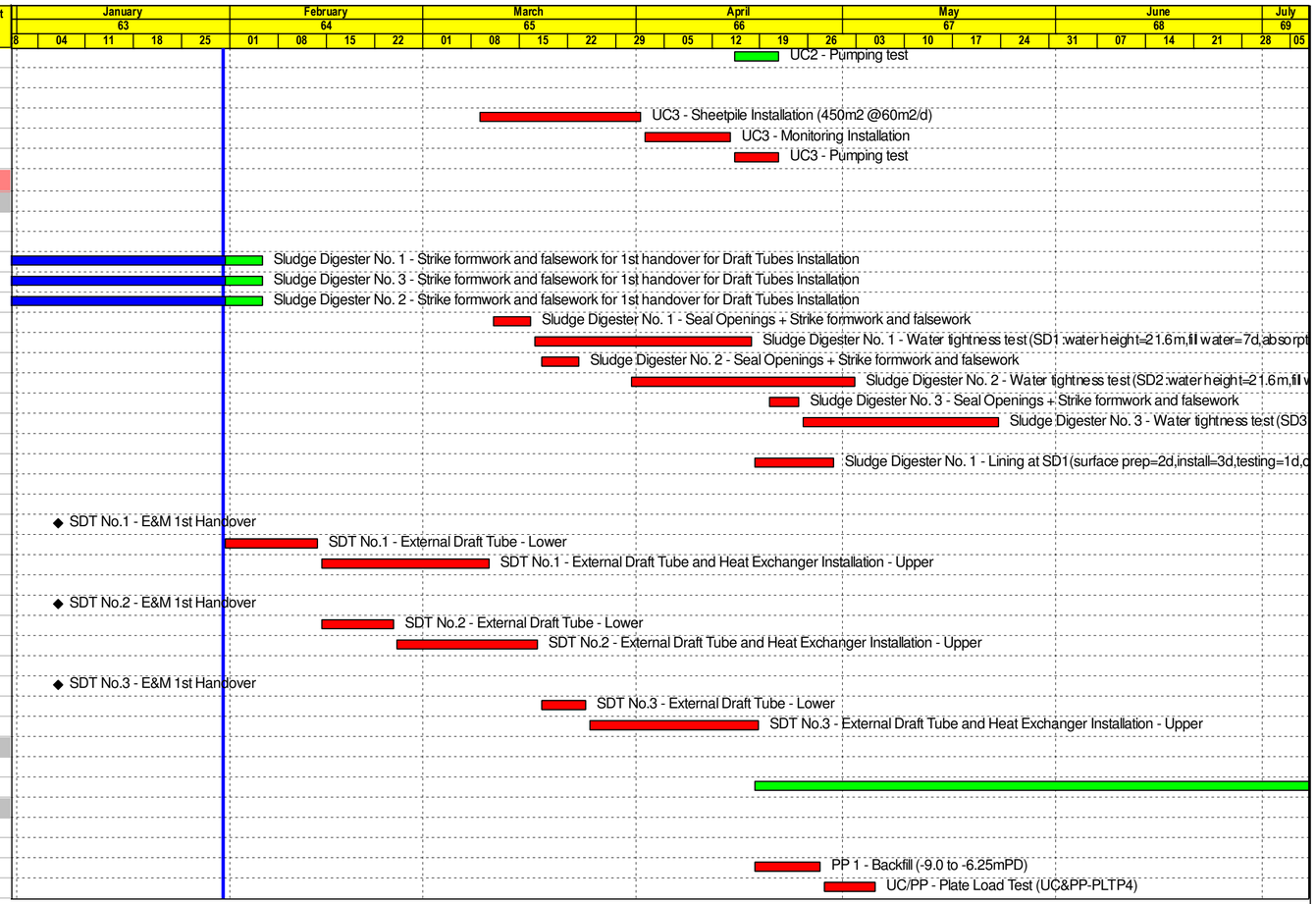
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
	MBR Structure Zone B (Tank 1 and Tank 3)				
	Tank 1 (Zone 1)				
MBRAF-2660	MBR - Remove S4 + Steel Platform B Bottom Bracing	4	16-Jan-26 A	22-Jan-26 A	
MBRAF-2690	MBR - Construct Beam / Wall (-5.6 to -1.4mPD)	24	22-Jan-26 A	14-Feb-26	-329
MBRAF-2710	MBR - Construct Beam / Wall (-1.4 to +5.15mPD)	20	16-Feb-26	13-Mar-26	-329
MBRAF-4900	MBR - Wall and Intermediate slab (+5.15 to +8.65mPD)	24	11-Apr-26	09-May-26	-329
	Tank 3 (Zone 3)				
MBRAF-4800	MBR - Remove S4, + Steel Platform B Bottom Bracing	4	16-Jan-26 A	22-Jan-26 A	
MBRAF-4830	MBR - Construct Beam / Wall (-5.6 to -1.4mPD)	24	22-Jan-26 A	14-Feb-26	-329
MBRAF-4850	MBR - Construct Beam / Wall (-1.4 to +5.15mPD)	20	14-Mar-26	10-Apr-26	-329
	Tertriary Treatment System (TTS)				
	TTS Structure				
	TTS Substructure				
	Substructure				
TTS-2320-3	TTS - Removal of East Steel Deck/ Platform (Zone SE)	15	09-Feb-26	28-Feb-26	-345
	Zone SD				
TTS-2330-2	TTS - Zone SD Wall (+4.75mPD to +5.95mPD) and Slab to +5.95mPD (LG3 - G3)	16	30-Nov-25 A	13-Jan-26 A	
TTS-2340	TTS - Zone SD Waterproofing and Backfill	5	31-Jan-26	05-Feb-26	-275
	Zone SA				
TTS-1490-1	TTS - Zone SA Wall to S1 (+1.1mPD to +3.8mPD) (LG/F - LG4)	8	08-Dec-25 A	16-Jan-26 A	
TTS-2350-1	TTS - Zone SA Wall (+3.8mPD to +5.95mPD) and Slab to +5.95mPD (G/F - G4)	13	10-Jan-26 A	29-Jan-26 A	
TTS-2360	TTS - Zone SA Waterproofing and Backfill	5	31-Jan-26	05-Feb-26	-270
	Zone SB				
TTS-1510-1	TTS - Zone SB Remove Corner Strut at +3.65mPD (LG7)	9	19-Dec-25 A	22-Dec-25	
TTS-2370-1	TTS - Zone SB Wall (+2.183mPD to +4.05mPD) and Slab (LG7)	8	23-Dec-25 A	21-Jan-26 A	
TTS-2370-2	TTS - Zone SB Wall (+2.183mPD to +5.5mPD) and Slab to +5.95mPD (G/F - G7)	10	29-Jan-26 A	25-Feb-26	-319
TTS-2380	TTS - Zone SB Waterproofing and Backfill	6	26-Feb-26	04-Mar-26	-319
	Zone SC				
TTS-2390-1	TTS - Zone SC Wall (+4.2mPD to +5.95mPD) and Slab to +5.95mPD (G/F - G1)	10	12-Jan-26 A	10-Feb-26	-322
TTS-2400	TTS - Zone SC Waterproofing and Backfill	5	11-Feb-26	16-Feb-26	-279
	Zone SE and SG				
TTS-2410-2.4	TTS - Zone SG Raft, Beam, Column & Slab (-0.05mPD)	12	25-Feb-26	10-Mar-26	-345
TTS-2410-2.3	TTS - Zone SE Raft, Beam, Column & Slab (-0.05mPD)	12	02-Mar-26	14-Mar-26	-341
TTS-2410-1	TTS - Zone SG Slab, Wall & Column (+2.183mPD) (LG/F - LG5a)	12	11-Mar-26	24-Mar-26	-345
TTS-2410-13	TTS - Zone SG Slab, Wall & Column (+2.183mPD) (LG/F - LG5b)	12	18-Mar-26	31-Mar-26	-345
TTS-2410-2	TTS - Zone SE Slab, Wall & Column (+2.183mPD) (LG/F - LG6)	12	20-Mar-26	02-Apr-26	-345
TTS-2410-3	TTS - Zone SG Raft, Slab, Beam & Column (+2.183mPD) (LG/F - LG8)	12	25-Mar-26	11-Apr-26	-344
TTS-2430-2	TTS - Zone SE Slab, Beam & Column (+5.95mPD) (G/F - G5)	12	01-Apr-26	18-Apr-26	-341
TTS-2430-1	TTS - Zone SE Slab, Beam & Column (+5.95mPD) (G/F - G6)	12	08-Apr-26	21-Apr-26	-345
TTS-2430-3	TTS - Zone SE Slab, Beam & Column (+5.95mPD) (G/F - G8)	12	13-Apr-26	25-Apr-26	-344
TTS-2440	TTS - Zone SE Waterproofing and Backfill	5	27-Apr-26	02-May-26	-336
	Zone SF				
TTS-2480	TTS - Zone SF Waterproofing and Backfill	5	31-Jan-26 A	07-Feb-26	-345
	TTS Superstructure				
TTS-1410-1	TTS - Zone SA Structure (+5.95mPD to +11.75mPD) Slab, Beam & Column (1/F - 1-3)	12	19-Jan-26 A	13-Feb-26	-298
TTS-2570-1	TTS - Zone SC Structure (+5.95mPD to +9.40mPD) Slab, Beam & Column (1/F - 1-1)	10	11-Feb-26	25-Feb-26	-315
TTS-1370-1	TTS - Zone SD Structure (+5.95mPD to +9.35mPD) Slab, Beam & Column (1/F - 1-2)	10	11-Feb-26	25-Feb-26	-322
TTS-2490-1	TTS - Zone SD Structure (+11.75mPD to +15.4mPD) Column, Roof Slab (R3)	21	14-Feb-26	13-Mar-26	-298
TTS-2550-1	TTS - Zone SB Structure (+5.95mPD to +15.4mPD) Column, Roof Slab (R7)	21	26-Feb-26	21-Mar-26	-319
TTS-2570-2	TTS - Zone SC Structure (+5.95mPD to +9.40mPD) Slab, Beam & Column (1/F - 1-1(2))	10	26-Feb-26	09-Mar-26	-315
TTS-1370-2	TTS - Zone SD Structure (+5.95mPD to +12.85mPD) Slab, Beam & Column (1/F - 1-2(2))	10	26-Feb-26	09-Mar-26	-322
TTS-2580-1	TTS - Zone SC Structure (+9.4mPD to +15.4mPD) Column, Roof Slab (R1)	21	10-Mar-26	02-Apr-26	-315
TTS-2500-2	TTS - Zone SA Structure (+12.85mPD to +15.4mPD) Column, Roof Slab (R4)	12	10-Mar-26	23-Mar-26	-322
TTS-2510-1	TTS - Zone SE Structure (+5.95mPD to +15.4mPD) Column, Roof Slab (R5)	12	23-Apr-26	07-May-26	-344
TTS-2520-1	TTS - Zone SE Structure (+5.95mPD to +15.4mPD) Column, Roof Slab (R6)	12	25-Apr-26	09-May-26	-342
TTS-2540-1	TTS - Zone SF Structure (+5.95mPD to +15.4mPD) Column, Roof Slab (R2)	12	28-Apr-26	12-May-26	-344
	TTS Water Tightness Test				
TTS-1910	TTS - Removal Fwk + Water Tight. Test (Phase 1)(water height=1.85m,bulkhead=2d;fill=1d,absopt	21	22-Apr-26	12-May-26	-427
	Zone 3 Construction				
	Zone 3 North Portion (Z3N)				
	New Sudge Thickening Building (STB)				
	STB : ABWF				
	STB : ABWF (+6.0 to +18.3mPD)				
Z3S3-4550	STB - ABWF Works (2nd fix with BS works)	90	15-Sep-25 A	28-Feb-26	83
	STB : E&M Installation				
	STB E&M : Pump Room Floor @ -2.5mPD				
	Jet Mixing System of Sludge Blenk Tank and Thickening Sludge Holding Tank No.2				
Z3S3-3980	STB - Jet Mixer c/w pipes and valves and Fittings x 4 Nos.	21	17-Jan-26 A	26-Feb-26	-11
Z3S3-3990	STB - Nozzle x 3 Nos. (Working inside tanks)	21	17-Jan-26 A	26-Feb-26	-11
Z3S3-4000	STB - Leakage test - Combining Stoplogs / Penstocks	32	27-Feb-26	30-Mar-26	-17
	Jet Mixing System of Thickening Sludge Holding Tank No.1				
Z3S3-4060	STB - Jet Mixer c/w pipes and valves and Fittings x 2 Nos.	21	17-Jan-26 A	26-Feb-26	-11
Z3S3-4070	STB - Nozzle x 2 Nos. (Working inside tanks)	21	17-Jan-26 A	26-Feb-26	-11
Z3S3-4080	STB - Leakage test - Combining Stoplogs / Penstocks	32	27-Feb-26	30-Mar-26	-17
	Thickening Centrifuge & Digester Feed Pump c/w pipes and valves and fittings				
Z3S3-4120	STB - Digester Feed Pump c/w pipes and valves and fittings	90	02-Sep-25 A	14-Feb-26	-3
Z3S3-4150	STB - Thickening Centrifuge Feed Pump c/w pipes and valves and fittings	90	02-Sep-25 A	14-Feb-26	-3
	Pipeworks Installation @ -2.5mPD				



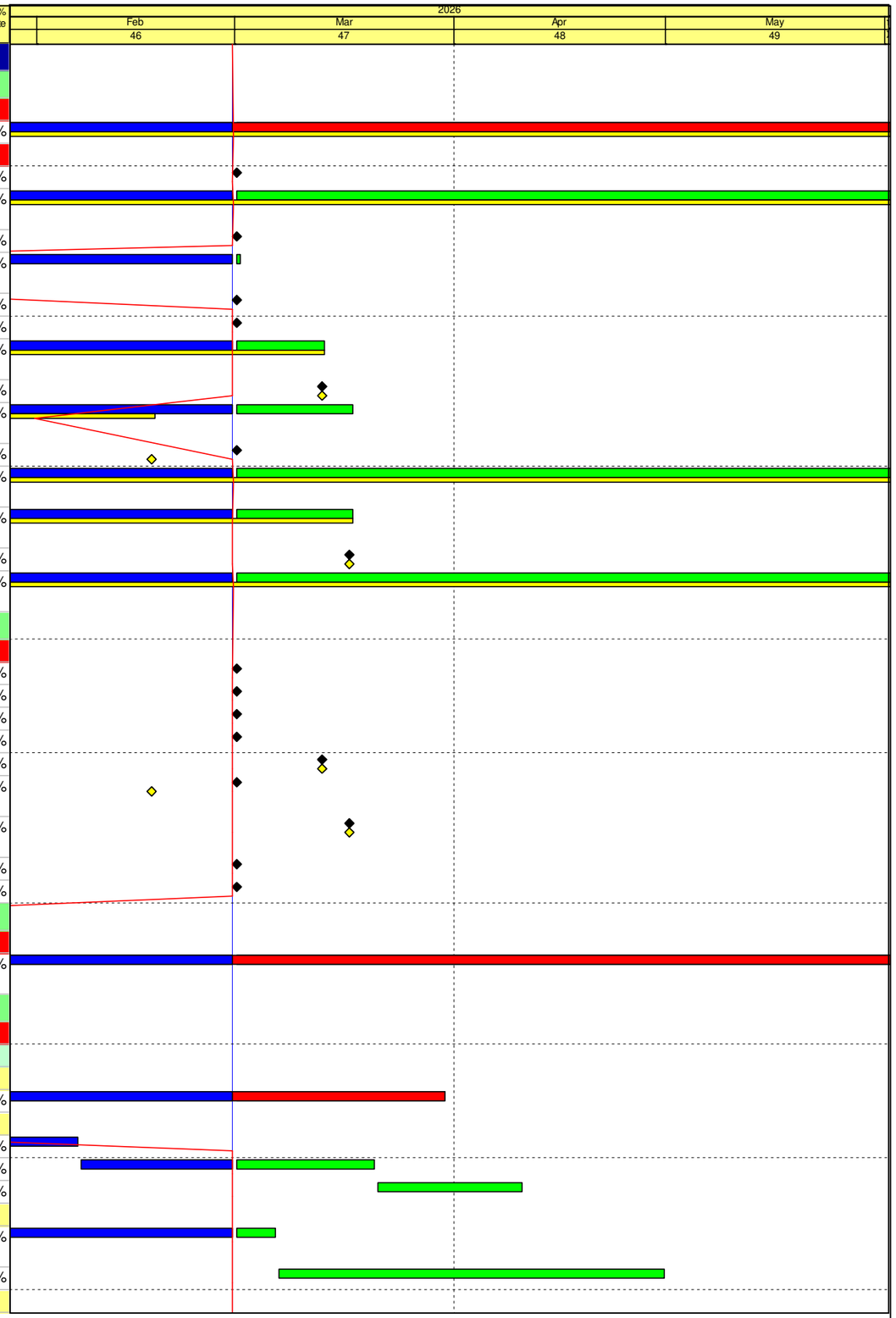
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
Z3S3-2990	STB - Plant Service Water System (PSW) Installation	43	06-Nov-25 A	14-Feb-26	234
Z3S3-4100	STB - DO Duct and dampers installation	43	06-Nov-25 A	14-Feb-26	20
Z3S3-4110	STB - Sludge infeed and outflow pipe installation	43	06-Nov-25 A	14-Feb-26	-3
Z3S3-4130	STB - Centrate pipe installation	15	15-Dec-25 A	26-Feb-26	13
Z3S3-4140	STB - Ferric chloride dosing pipe installation	15	15-Dec-25 A	26-Feb-26	-1
BS Installation (ELV, Ventilation, FS, PD)					
Z3S3-2860	STB - BS Installation (ELV, Ventilation, FS, PD) @ -1.5mPD	98	01-Sep-25 A	26-Feb-26	249
STB E&M : Thickening Centrifuge Hall and Polymer Area @ +6.0mPD					
Polymer Preparation and Dosing System					
Z3S3-4180	STB - Polymer Transfer Pump and Dosing Pump c/w pipe, valves and fittings	22	29-Dec-25 A	28-Feb-26	11
Sludge Thickening and Discharge System					
Z3S3-4230	STB - Thickening Centrifuge c/w pipe, valve and fittings x 3 nos	21	03-Nov-25 A	28-Feb-26	-3
Z3S3-4220	STB - Thickening Sludge Transfer Pump x 6 nos	19	28-Nov-25 A	28-Feb-26	829
Pipeworks Installation @ +6.0mPD					
Z3S3-4240	STB - Plant Service Water System (PSW) Installation	14	21-Jan-26 A	28-Feb-26	-3
Z3S3-4250	STB - DO Duct and dampers installation	14	21-Jan-26 A	28-Feb-26	11
Z3S3-4260	STB - Ferric chloride dosing pipe installation	14	02-Mar-26	17-Mar-26	-3
BS Installation (ELV, Ventilation, FS, PD)					
Z3S3-4270	STB - BS Installation (ELV, Ventilation, FS, PD) @ +6mPD	98	26-Jun-25 A	26-Feb-26	831
STB E&M : Transformer Room @ +6.0mPD					
Z3S3-6390	STB - Termination Works (CLP sub-station to TX)	6	31-Jan-26	06-Feb-26	-10
Z3S3-6430	STB - Energization & SAT of Transformer	35	07-Feb-26	23-Mar-26	-10
STB E&M : LV Switch Room and VFD Room @ +13.5mPD					
Z3S3-4340	STB - UPS System	21	31-Jan-26	27-Feb-26	0
Z3S3-3720	STB - Energization & SAT of LVSB	12	12-Mar-26	23-Mar-26	-12
Z3S3-4350	STB - Termination Works (TX to LVSB)	6	17-Mar-26	23-Mar-26	-10
STB E&M : DOU3 @+13.5mPD					
Z3S3-2800	STB - DOU Equipment Installation	39	02-Dec-25 A	27-Jan-26 A	
Z3S3-4280	STB - GRP Main Duct Installation	26	08-Dec-25 A	26-Feb-26	-14
Z3S3-4290	STB - Leakage Test	58	16-Feb-26	14-Apr-26	-17
Z3S3-4295	STB - Seeding for Bio-Trickling Filter of DOU3	58	02-Mar-26	28-Apr-26	-17
STB E&M : Installation and Set-Up for SCADA System					
Z3S3-2815	STB - Installation of SCADA System (calibration,cabling,termination)	45	31-Jan-26	27-Mar-26	-14
Z3S3-4370	STB - Set-Up for SCADA System (sys.mapping,network config.,GUI,PQEMS,IDEMS,CMOS)	45	28-Mar-26	26-May-26	129
STB E&M : Electrical works (Cable wiring, termination)					
Z3S3-2850	STB - Electrical works (Cable containment, cabling, LCP, termination)	25	20-Jan-26 A	28-Feb-26	-1
STB External Pipeworks					
Z3S7-2100	STB - Temporary system and associated pipeworks for Location E to STB	60	02-Feb-26	20-Apr-26	-4
Z3S7-2120	STB - Temporary routing of power source for STB LVSB energization *for KD4	24	02-Feb-26	04-Mar-26	-4
STB : Testing & Commissioning					
Phase 1- STB Sub-System Physical Dry Check					
Z3S3-4420	STB - T&C - Electrical - Megger Test	23	24-Mar-26	23-Apr-26	-10
Z3S3-4430	STB - T&C - SCADA- I/O Point Test	23	28-Mar-26	28-Apr-26	-14
Z3S3-2910	STB - T&C - Mechanical / Electrical - General Installation Checking, Setting Out Checking, Physical	21	31-Mar-26	28-Apr-26	-14
Phase 2 - STB Sub-System Dry Function Test (Function, Protection, Interlock)					
Z3S3-2920	STB - T&C - Jet Mixing System of Sludge Blenk Tank and Thickening Sludge Holding Tank No.2	30	29-Apr-26	28-May-26	-16
Z3S3-4440	STB - T&C - Thickening Centrifuge Feed Pump c/w pipes and valves and fittings	30	29-Apr-26	28-May-26	-16
Z3S3-4450	STB - T&C - Digester Feed Pump c/w pipes and valves and fittings	30	29-Apr-26	28-May-26	-16
Z3S3-4460	STB - T&C - Polymer Preparation and Dosing System	30	29-Apr-26	28-May-26	-16
Z3S3-4470	STB - T&C - Sludge Thickening and Discharge System	30	29-Apr-26	28-May-26	-16
Z3S3-4480	STB - T&C - DOU - 03 System	30	29-Apr-26	28-May-26	-16
Zone 3 Middle Portion (Z3M)					
Demolition					
Existing SDT 1-4					
Z3S7-2160	Tanker-away scheme - Road Diversion on H2S/SD6 for Sheetpiling of SD4-6	12	03-Dec-25 A	18-Dec-25	
Sludge Digestor No. 4-6 (SD4-6)					
SD4-6 : Foundation and ELS					
SD4-6 : Sheetpiling					
Z3S8SD-2035	Sludge Digester No. 4-6 - Near UC5/STB Road Diversion + Plant Mobilization and Trial for Sheet P	12	03-Dec-25 A	18-Dec-25	
Z3S8SD-2485	Sludge Digester No. 4-6 - Sheet Piles Install (Zone B, 1690m2@ -24.5mPD	56	16-Dec-25 A	19-May-26	-322
Z3S8SD-2040	Sludge Digester No. 4-6 - Sheet Piles Install (Zone A, 1292 m2,@40m2/d/rig, 2 rig) UC East Side	22	19-Dec-25 A	07-Mar-26	-25
Z3S8SD-2330	Sludge Digester No. 4-6 - Sheet Piles Install (Zone C, preboring 22 *0.46 = 47no@1-1.3no/d, 1rigs	47	09-Jan-26 A	31-Mar-26	-322
Z3S8SD-2335	Sludge Digester No. 4-6 - Sheet Piles Install (Zone C, 1638m2 @-20.5mPD	56	03-Feb-26	16-Apr-26	-322
Z3S8SD-2480	Sludge Digester No. 4-6 - Sheet Piles Install (Zone B, preboring 22 *0.46 = 47nos@1-1.3no/d, 1rig	47	09-Mar-26	07-May-26	-322
Biogas Holder No. 2-4 (BH2-4)					
Biogas Holder No. 2-3 (BH2-3)					
BH2 - E&M Installation					
ATALZ3BH-2259	BH No. 2 - E&M Handover	0	20-Jan-26 A		
ATALZ3BH-2525	BH No. 2 - Material delivery and base preparation (plinth leveling and bitumen coating, drainage)	6	21-Jan-26 A	24-Feb-26	-26
ATALZ3BH-2535	BH No. 2 - Tank base plate installation and welding	22	25-Feb-26	21-Mar-26	-26
ATALZ3BH-2545	BH No. 2 - Jack installation and top ring installation	19	23-Mar-26	17-Apr-26	-25
ATALZ3BH-2555	BH No. 2 - Roof, crown ring and roof handrail construction	41	18-Apr-26	06-Jun-26	-28
BH3 - E&M Installation					
ATALZ3BH-2725	BH No. 3 - E&M Handover	0	27-Jan-26 A		
Utility Corridor and Pipe Portal (UC/PP)					
Utility Corridor No. 2 (UC2)					
UC2 : Foundation and ELS					
Z3S2-4060	UC2 - Monitoring Installation	7	02-Apr-26	14-Apr-26	120



Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
Z3S2-4090	UC2 - Pumping test	7	15-Apr-26	21-Apr-26	145
Utility Corridor No. 3 (UC3)					
UC3 : Foundation and ELS					
Z3S2-2150	UC3 - Sheetpile Installation (450m2 @60m2/d)	21	09-Mar-26	01-Apr-26	-25
Z3S2-3060	UC3 - Monitoring Installation	7	02-Apr-26	14-Apr-26	-25
Z3S2-3560	UC3 - Pumping test	7	15-Apr-26	21-Apr-26	-34
Zone 3 South Portion (Z3S)					
Sludge Digestor No. 1-3 (SD1-3)					
SD1-3 : Civil and Structural Works					
SD1-3 : Water Tightness Test					
Z3S3-6230	Sludge Digester No. 1 - Strike formwork and falsework for 1st handover for Draft Tubes Installation	9	15-Nov-25 A	05-Feb-26	846
Z3S3-6240	Sludge Digester No. 3 - Strike formwork and falsework for 1st handover for Draft Tubes Installation	9	05-Dec-25 A	05-Feb-26	846
Z3S3-6235	Sludge Digester No. 2 - Strike formwork and falsework for 1st handover for Draft Tubes Installation	9	12-Dec-25 A	05-Feb-26	846
Z3S3-5655	Sludge Digester No. 1 - Seal Openings + Strike formwork and falsework	5	11-Mar-26	16-Mar-26	-291
Z3S3-5600	Sludge Digester No. 1 - Water tightness test (SD1 :water height=21.6m,fil water=7d,absorption=7d	24	17-Mar-26	17-Apr-26	-291
Z3S3-5660	Sludge Digester No. 2 - Seal Openings + Strike formwork and falsework	5	18-Mar-26	23-Mar-26	-285
Z3S3-5610	Sludge Digester No. 2 - Water tightness test (SD2 :water height=21.6m,fil water=7d,absorption=7d	24	31-Mar-26	02-May-26	-291
Z3S3-5665	Sludge Digester No. 3 - Seal Openings + Strike formwork and falsework	5	20-Apr-26	24-Apr-26	-297
Z3S3-5620	Sludge Digester No. 3 - Water tightness test (SD3 :water height=21.6m,fil water=7d,absorption=7d	24	25-Apr-26	23-May-26	-297
SD1-3 : ABWF Works					
Z3S3-5630	Sludge Digester No. 1 - Lining at SD1(surface prep=2d,install=3d,testing=1d,clearance=2d)	10	18-Apr-26	29-Apr-26	-73
SD1-3 : E&M Installation					
SD1 : E&M Installation					
Z3S3-2669	SDT No.1 - E&M 1st Handover	0	07-Jan-26 A		
Z3S3-2675	SDT No.1 - External Draft Tube - Lower	6	31-Jan-26 A	13-Feb-26	-303
Z3S3-2680	SDT No.1 - External Draft Tube and Heat Exchanger Installation - Upper	18	14-Feb-26	10-Mar-26	-291
SD2 : E&M Installation					
Z3S3-6540	SDT No.2 - E&M 1st Handover	0	07-Jan-26 A		
Z3S3-6550	SDT No.2 - External Draft Tube - Lower	6	14-Feb-26	24-Feb-26	-300
Z3S3-6560	SDT No.2 - External Draft Tube and Heat Exchanger Installation - Upper	18	25-Feb-26	17-Mar-26	-300
SD3 : E&M Installation					
Z3S3-5550	SDT No.3 - E&M 1st Handover	0	07-Jan-26 A		
Z3S3-4590	SDT No.3 - External Draft Tube - Lower	6	18-Mar-26	24-Mar-26	-300
Z3S3-4595	SDT No.3 - External Draft Tube and Heat Exchanger Installation - Upper	18	25-Mar-26	18-Apr-26	-297
Biogas Holder No. 1 (BH1)					
BH1 : Diversion Works					
Z3S7-2110	BH No. 1 - Temporary system and associated pipeworks to H2S *for KD4	90	18-Apr-26	05-Aug-26	94
Utility Corridor and Pipe Portal (UC/PP)					
Pipe Portal No. 1 (PP1) (Construct with SD1-3)					
PP1 : Civil and Structural Works					
Z3S5-2180	PP 1 - Backfill (-9.0 to -6.25mPD)	8	18-Apr-26	27-Apr-26	-156
Z3S5UC1-2210	UC/PP - Plate Load Test (UC&PP-PLTP4)	6	28-Apr-26	05-May-26	-156



Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R33)	BL Finish (DE/2020/01 RP R33)	Start	Finish	Total Float	Activity % Complete
YLEPP - E&M Works for SDB, ADB & Renewable Energy Facilities for Stage1_3MRP								
Contract Data								
Starting Date & Completion Date								
CD-1020	Whole Contract Period (1650 days after starting date)	294	14-Jun-22	19-Dec-26	14-Jun-22 A	19-Dec-26	0	82.18%
Access Date								
CD-AD1010	Early Access Date for Portion 1	0	01-Aug-25		01-Mar-26		723	0%
CD-AD1020	Late Access to Portion 1 - Sludge Thickening Building (1578 calendar days from starting date)	221	13-Jun-22	07-Oct-26	13-Jun-22 A	07-Oct-26	502	85.99%
CD-AD1090	Early Access Date for Portion 3	0	17-Aug-25		01-Mar-26		723	0%
CD-AD1100	Late Access to Portion 3 - Sludge Dewatering Building (Within 1231 calendar days from starting date)	1	13-Jun-22	25-Oct-25	13-Jun-22 A	01-Mar-26	722	99.92%
CD-AD1110	Late Access Date for Portion 3	0	25-Oct-25		01-Mar-26		723	0%
CD-AD1130	Early Access Date for Portion 4	0	16-Dec-25		01-Mar-26		723	0%
CD-AD1140	Late Access to Portion 4 - Administration Building (Within 1370 calendar days from starting date)	13	13-Jun-22	13-Mar-26	13-Jun-22 A	13-Mar-26	710	99.05%
CD-AD1150	Late Access Date for Portion 4	0	13-Mar-26		13-Mar-26		711	0%
CD-AD1160	Early Access to Portion 5 - Mainstream Bio-Reactor Building (Within 1346 calendar days from starting date)	17	13-Jun-22	17-Feb-26	13-Jun-22 A	17-Mar-26	706	98.74%
CD-AD1170	Early Access Date for Portion 5	0	17-Feb-26		01-Mar-26		723	0%
CD-AD1180	Late Access to Portion 5 - Mainstream Bio-Reactor Building (Within 1451 calendar days from starting date)	94	13-Jun-22	02-Jun-26	13-Jun-22 A	02-Jun-26	629	93.52%
CD-AD1200	Early Access to Portion 6 - Primary Sedimentation Tanks (Within 1374 calendar days from starting date)	17	13-Jun-22	17-Mar-26	13-Jun-22 A	17-Mar-26	706	98.76%
CD-AD1210	Early Access Date for Portion 6	0	17-Mar-26		17-Mar-26		707	0%
CD-AD1220	Late Access to Portion 6 - Primary Sedimentation Tanks (Within 1520 calendar days from starting date)	163	13-Jun-22	10-Aug-26	13-Jun-22 A	10-Aug-26	560	89.28%
Planned Date								
Planned Access Date								
PD-AD1000	Planned Early Access Date for Portion 1 - Sludge Thickening Building	0	31-Aug-25		01-Mar-26		223	0%
PD-AD1040	Planned Early Access Date for Portion 3 - Sludge Dewatering Building	0	17-Aug-25		01-Mar-26		-232	0%
PD-AD1050	Planned Late Access Date for Portion 3 - Sludge Dewatering Building	0	25-Oct-25		01-Mar-26		-232	0%
PD-AD1060	Planned Early Access Date for Portion 4 - Administration Building	0	13-Jun-26		01-Mar-26		15	0%
PD-AD1070	Planned Late Access Date for Portion 4 - Administration Building	0	13-Mar-26		13-Mar-26		3	0%
PD-AD1080	Planned Early Access Date for Portion 5 - Mainstream Bio-Reactor Building	0	17-Feb-26		01-Mar-26		93	0%
PD-AD1100	Planned Early Access Date for Portion 6 - Primary Sedimentation Tanks	0	17-Mar-26		17-Mar-26		165	0%
PD-AD1120	Planned Early Access Date for CLPSS / 11kV Switchroom	0	31-Aug-25		01-Mar-26		172	0%
PD-AD1130	Planned Late Access Date for CLPSS / 11kV Switchroom	0	01-Aug-25		01-Mar-26		172	0%
Preliminaries								
BEAM Plus								
P-1190	Application to BEAM Society & provide Provisional Assessment (PA) report	146	01-May-25	29-Jul-25	15-Apr-25 A	24-Jul-26	-367	68.67%
Section 1 - Comprises design, supply, delivery, installation, T&C of PV System of YLEPP								
Technical Submission & Approval								
DDA Submission								
PV System (DDA001A)								
S1-DDA-1030	Review & Approval of DDA Design of PV system	30	31-Aug-25	25-Sep-25	09-Jan-26 A	30-Mar-26	-79	62.96%
PV System for canopy area (DDA001B)								
S1-DDA-1050	Review & Comment on DDA Design of PV system for Canopy Area	0			07-Jan-26 A	06-Feb-26 A		100%
S1-DDA-1060	Re-submission of DDA Design of PV system for Canopy Area	20			07-Feb-26 A	20-Mar-26	122	52.38%
S1-DDA-1070	Review & Approval of DDA Design of PV system for Canopy Area	21			21-Mar-26	10-Apr-26	122	0%
Ramp and Shelter for PV System (DDA001C)								
S1-DDA-1080	Prepare & Submission of DDA Design of Ramp and Shelter for PV System	6			17-Sep-25 A	06-Mar-26	109	96.49%
S1-DDA-1110	Review & Approval of DDA Design of Ramp and Shelter for PV System	55			07-Mar-26	30-Apr-26	109	0%
Lighting Layout for Roof Floor in IW, PST, AGS, TTB, STB (DDA001D)								



Remaining Work
Critical Activity
Milestone
Actual Progress
RP Rev.33
RP Rev.33 MS
Actual Milestone

Contract No. DE/2020/01
Yuen Long Effluent Polishing Plant - E&M Works for Sludge Dewatering Building, Administration Building and Renewable Energy
3 Months Rolling Programme (Based on RP Rev.33) as at 28 Feb 2026

Based on DE/2020/01 Revised Programme Rev.33

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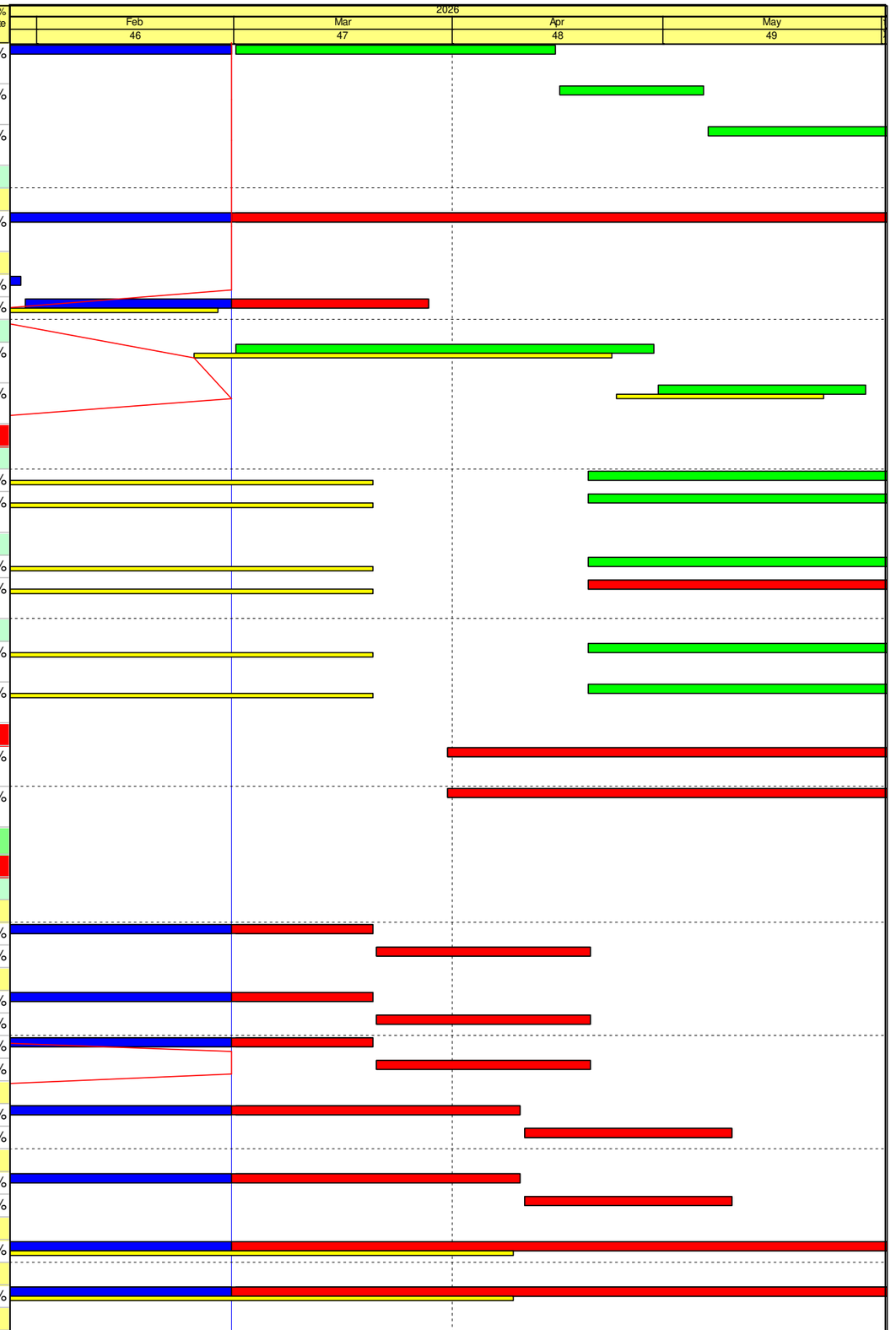
30-Nov-25	Rev.40	IM	JM
31-Dec-25	Rev.41	IM	JM
31-Jan-26	Rev.42	IM	JM
28-Feb-26	Rev.43	IM	JM

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R33)	BL Finish (DE/2020/01 RP R33)	Start	Finish	Total Float	Activity % Complete
S1-DDA-1120	Prepare & Submission of DDA Design of Lighting Layout for Roof Floor in IW, PST, AGS, TTB, STB	46			01-Nov-25 A	15-Apr-26	33	72.29%
S1-DDA-1130	Review & Comment on DDA Design of Lighting Layout for Roof Floor in IW, PST, AGS, TTB, STB	21			16-Apr-26	06-May-26	33	0%
S1-DDA-1140	Re-submission of DDA Design of Lighting Layout for Roof Floor in IW, PST, AGS, TTB, STB	49			07-May-26	24-Jun-26	33	0%
Plant & Material Submission								
Smart Sun Tracking and Automatic Collapse and Expand Solar PV System (EL002)								
S1-PMS-1150	Review & Approval of Smart Sun Tracking & Automatic Collapse & Expand Solar PV System	183			23-Oct-25 A	30-Aug-26	-181	41.35%
Support Frame/ System of PV panel (EL003)								
S1-PMS-1100	Re-submission of Support Frame/ System of PV panel	0	10-Oct-25	08-Dec-25	10-Sep-25 A	29-Jan-26 A		100%
S1-PMS-1110	Review & Approval of Support Frame/ System of PV panel	28	09-Dec-25	26-Feb-26	30-Jan-26 A	28-Mar-26	-48	51.72%
SAT / T&C Procedure								
S1-SAT-1000	Prepare & Submission of SAT / T&C Procedure (with Test Form) of PV System	60	23-Feb-26	23-Apr-26	01-Mar-26	29-Apr-26	69	0%
S1-SAT-1010	Review & Comment on SAT / T&C Procedure (with Test Form) of PV System	30	24-Apr-26	23-May-26	30-Apr-26	29-May-26	69	0%
Manufacture, FAT & Delivery of Major Equipment (Inc. PV Panel, Power Optimizer, Switchgear, etc...)								
Portion 1 - Sludge Thickening Building								
S1-STB-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel - STB	61	20-Sep-25	20-Mar-26	20-Apr-26*	19-Jun-26	126	0%
S1-STB-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - STB	61	21-Dec-25	20-Mar-26	20-Apr-26*	19-Jun-26	112	0%
Portion 2 - Inlet Works								
S1-IW-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel - IW	61	20-Sep-25	20-Mar-26	20-Apr-26*	19-Jun-26	39	0%
S1-IW-MD-1020	Manufacture with FAT (months) & Delivery(1 month) of Support Framework - IW	61	21-Dec-25	20-Mar-26	20-Apr-26*	19-Jun-26	-70	0%
CLP Substation								
S1-CLP-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel of PV Panel - CLP	61	20-Sep-25	20-Mar-26	20-Apr-26*	19-Jun-26	61	0%
S1-CLP-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - CLP	61	21-Dec-25	20-Mar-26	20-Apr-26*	19-Jun-26	61	0%
Interfacing Works								
S1-IFW-1010	Design Submission with interface works for LV switchboard interfacing arrangement for Renewable Energy	90	26-Sep-25	24-Dec-25	31-Mar-26	28-Jun-26	-79	0%
S1-IFW-1040	Cleansing point for PV panel cleansing at roof floor (STB, IW, PST, MBR, SDB & CLP)	90	26-Sep-25	24-Dec-25	31-Mar-26	28-Jun-26	-79	0%
Section 2 - Comprises design, supply, delivery, installation, T&C of BS works of Admin. Building								
Technical Submission & Approval								
Subletting								
Fire Services System								
S2-ADB-SUB-1000	Tendering of FS System subcontractor	20	01-Dec-23	08-Oct-25	23-Nov-23 A	20-Mar-26	-197	97.64%
S2-ADB-SUB-1010	Engagement of FS System subcontractor	31	02-Sep-25	01-Oct-25	21-Mar-26	20-Apr-26	-197	0%
MVAC System								
S2-ADB-SUB-1020	Tendering of MV System subcontracting	20	01-Jun-24	09-Dec-25	24-May-24 A	20-Mar-26	-224	97%
S2-ADB-SUB-1030	Engagement of MV System subcontracting	31	02-Dec-25	31-Dec-25	21-Mar-26	20-Apr-26	-224	0%
S2-ADB-SUB-1200	Tendering of AC System subcontracting	20			13-Aug-25 A	20-Mar-26	-264	90.91%
S2-ADB-SUB-1210	Engagement of AC System subcontracting	31			21-Mar-26	20-Apr-26	-264	0%
Electrical System								
S2-ADB-SUB-1080	Tendering of Electrical System (BS)	41	04-Jul-24	30-Oct-25	04-Jun-24 A	10-Apr-26	-217	93.84%
S2-ADB-SUB-1090	Engagement of Electrical System (BS)	30	02-Dec-25	31-Dec-25	11-Apr-26	10-May-26	-217	0%
P&D System								
S2-ADB-SUB-1120	Tendering of P&D System	41	01-Oct-24	30-Dec-25	01-Sep-24 A	10-Apr-26	-95	93.02%
S2-ADB-SUB-1130	Engagement of P&D System	30	01-Dec-25	30-Dec-25	11-Apr-26	10-May-26	-95	0%
CCTV, ACS and Security System								
S2-ADB-SUB-1140	Tendering of CCTV, ACS & Security system	163	01-Oct-24	09-Apr-26	01-Sep-24 A	10-Aug-26	-207	69.13%
Radio Communication, Telephone & PA System								
S2-ADB-SUB-1160	Tendering of Radio Communication, Telephone & PA System	163	01-Oct-24	09-Apr-26	01-Sep-24 A	10-Aug-26	-199	77.01%
PLC and SCADA System & Network integration								



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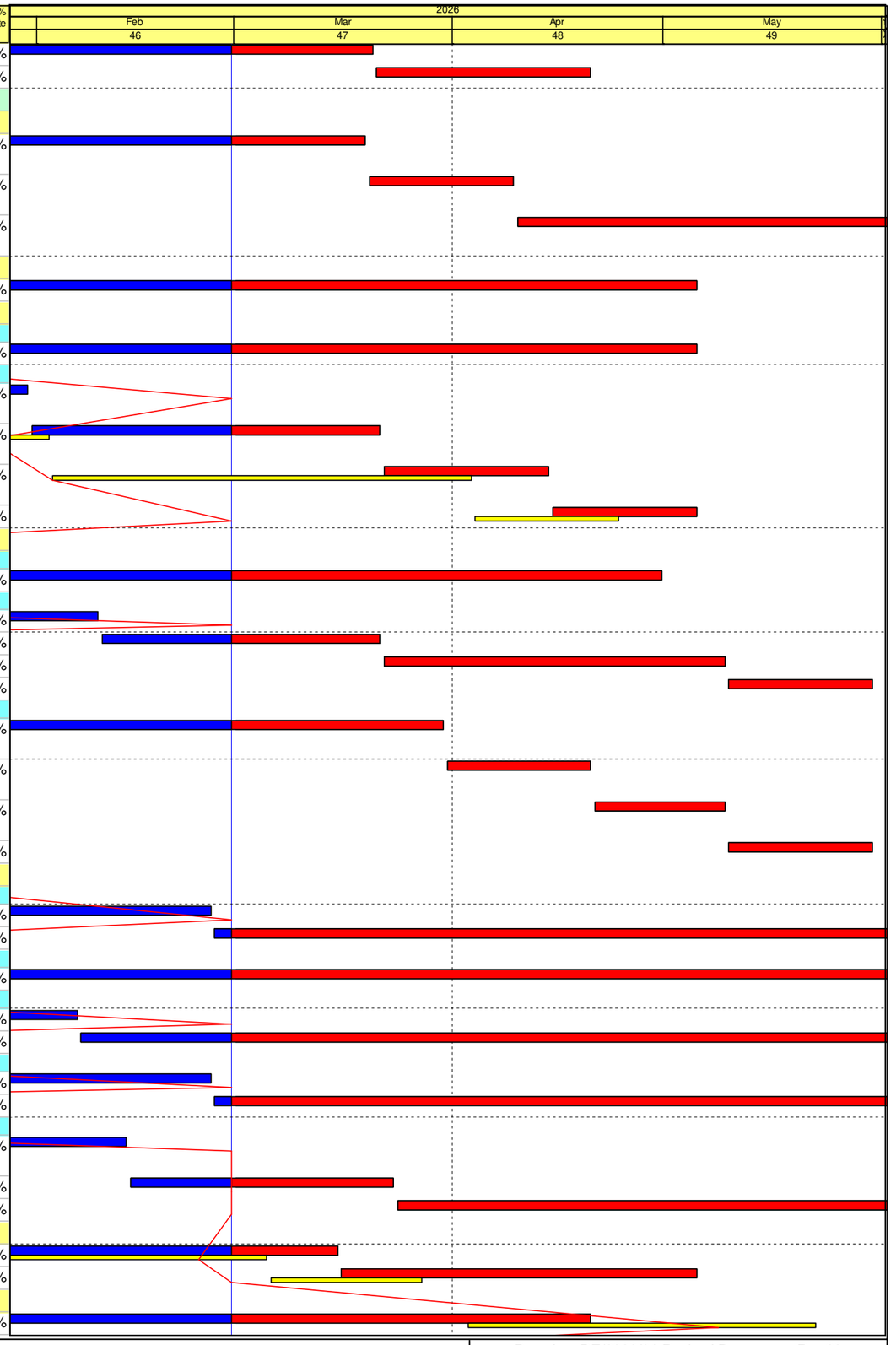
S2-ADB-SUB-1180	Tendering of PLC, SCADA System, & Network Integration	20	21-Sep-24	29-Oct-25	21-Sep-24 A	20-Mar-26	-197	96.34%
S2-ADB-SUB-1190	Engagement of PLC , SCADA System, & Network Integration	31	29-Sep-25	28-Oct-25	21-Mar-26	20-Apr-26	-197	0%
DDA Submission								
Civil Requirement (DDA037)								
S2-ADB-CR-1080	Prepare & Submission of civil requirement & general arrangement drawing of Administration Building	19	01-May-25	15-Dec-25	01-Apr-25 A	19-Mar-26	-321	94.62%
S2-ADB-CR-1090	Review & comment on civil requirement & general arrangement drawing of Administration Building	21	16-Nov-25	06-Dec-25	20-Mar-26	09-Apr-26	-321	0%
S2-ADB-CR-1100	Re-submission of civil requirement & general arrangement drawing of Administration Building	275	07-Dec-25	05-Jan-26	10-Apr-26	09-Jan-27	-321	0%
Fire Services System (DDA018)								
S2-ADB-DDA-1030	Approval of DDA Design of FS System	66	20-Nov-25	19-Dec-25	01-Nov-25 A	05-May-26	-132	64.52%
MVAC System (with effluent cooling system) (DDA019)								
MV System (in SDB and ADB) (DDA019a)								
S2-ADB-DDA-1070	Approval of DDA Design of MV System	66	13-Dec-25	02-Jan-26	29-Nov-25 A	05-May-26	-127	58.23%
AC system (AC system in SDB and with Effluent Cooling System in ADB) (DDA019b)								
S2-ADB-DDA-1560	Prepare & Submission of DDA Design of AC System (with effluent cooling system)	0	15-Oct-25	12-Jan-26	22-Oct-25 A	30-Jan-26 A		100%
S2-ADB-DDA-1570	Review & comment on DDA Design of AC System (with effluent cooling system)	21	13-Jan-26	02-Feb-26	31-Jan-26 A	21-Mar-26	-127	58%
S2-ADB-DDA-1580	Re-submission of DDA Design of AC System (with effluent cooling system)	24	03-Feb-26	03-Apr-26	22-Mar-26	14-Apr-26	-127	0%
S2-ADB-DDA-1590	Approval of DDA Design of AC System (with effluent cooling system)	21	04-Apr-26	24-Apr-26	15-Apr-26	05-May-26	-127	0%
Electrical System								
Electrical System - Single Line Diagram of Electrical System (DDA021A)								
S2-ADB-DDA-1150	Approval of DDA Design of Single Line Diagram	61	21-Aug-25	25-Sep-25	24-Dec-25 A	30-Apr-26	-205	52.34%
Electrical System - LV Power Distribution System (DDA021B)								
S2-ADB-DDA-1320	Prepare & Submission of DDA Design of LV Power Distribution System	0	01-Apr-25	10-Jan-26	10-Dec-24 A	09-Feb-26 A		100%
S2-ADB-DDA-1330	Review & comment on DDA Design of LV Power Distribution System	21	21-Sep-25	11-Oct-25	10-Feb-26 A	21-Mar-26	-235	47.5%
S2-ADB-DDA-1340	Re-submission of DDA Design of LV Power Distribution System	49	12-Oct-25	30-Nov-25	22-Mar-26	09-May-26	-235	0%
S2-ADB-DDA-1350	Approval of DDA Design of LV Power Distribution System	21	01-Dec-25	21-Dec-25	10-May-26	30-May-26	-235	0%
Electrical System - Control Wiring Diagram for LV Switchboard (DDA021C)								
S2-ADB-DDA-1360	Prepare & Submission of DDA Design of Control Wiring Diagram for LV Switchboard	30	01-Jan-25	12-Oct-25	10-Dec-24 A	30-Mar-26	-235	93.27%
S2-ADB-DDA-1370	Review & comment on DDA Design of Control Wiring Diagram for LV Switchboard	21	21-Sep-25	11-Oct-25	31-Mar-26	20-Apr-26	-235	0%
S2-ADB-DDA-1380	Re-submission of DDA Design of Control Wiring Diagram for LV Switchboard	19	12-Oct-25	30-Nov-25	21-Apr-26	09-May-26	-235	0%
S2-ADB-DDA-1390	Approval of DDA Design of Control Wiring Diagram for LV Switchboard	21	01-Dec-25	21-Dec-25	10-May-26	30-May-26	-235	0%
Building Services Electrical System								
Building Services Electrical System - Lighting System of SDB & ADB (DDA024A)								
S2-ADB-DDA-1180	Re-submission of DDA Design of Lighting system	0	01-Jul-25	27-Dec-25	24-May-25 A	25-Feb-26 A		100%
S2-ADB-DDA-1190	Approval of DDA Design of Lighting system	152	21-Dec-25	10-Jan-26	26-Feb-26 A	30-Jul-26	-108	1.94%
Building Services Electrical System - Small Power System of SDB & ADB (DDA024B)								
S2-ADB-DDA-1470	Approval of DDA Design of Small Power System	152	05-Nov-25	25-Nov-25	28-Nov-25 A	30-Jul-26	-108	37.96%
Building Services Electrical System - Cable Containment (DDA024C)								
S2-ADB-DDA-1500	Re-submission of DDA Design of Cable Containment	0	01-Sep-25	04-Nov-25	09-Aug-25 A	06-Feb-26 A		100%
S2-ADB-DDA-1510	Approval of DDA Design of Cable Containment	152	05-Nov-25	25-Nov-25	07-Feb-26 A	30-Jul-26	-108	12.64%
Building Services Electrical System - Lighting Control System (DDA024D)								
S2-ADB-DDA-1540	Re-submission of DDA Design of Lighting Control System	0	23-Aug-25	04-Nov-25	05-Jul-25 A	25-Feb-26 A		100%
S2-ADB-DDA-1550	Approval of DDA Design of Lighting Control System	152	17-Sep-25	25-Nov-25	26-Feb-26 A	30-Jul-26	-108	0%
Building Services Electrical System - Master Electrical Installation Details (DDA024E)								
S2-ADB-DDA-1610	Review & comment on DDA Design of Master Electrical Installation Details	0			24-Jan-26 A	13-Feb-26 A		100%
S2-ADB-DDA-1620	Re-submission of DDA Design of Master Electrical Installation Details	23			14-Feb-26 A	23-Mar-26	-137	39.47%
S2-ADB-DDA-1630	Approval of DDA Design of Master Electrical Installation Details	129			24-Mar-26	30-Jul-26	-137	0%
P&D System (DDA025)								
S2-ADB-DDA-1220	Re-submission of DDA Design of P&D System	15	05-Jan-26	05-Mar-26	09-Jan-26 A	15-Mar-26	-97	83.52%
S2-ADB-DDA-1230	Approval of DDA Design of P&D System	51	06-Mar-26	27-Mar-26	16-Mar-26	05-May-26	-97	0%
CCTV, ACS & Security system (DDA026)								
S2-ADB-DDA-1260	Re-submission of DDA Design of CCTV, ACS & Security system	51	03-Apr-26	22-May-26	22-Oct-25 A	20-Apr-26	-197	71.82%



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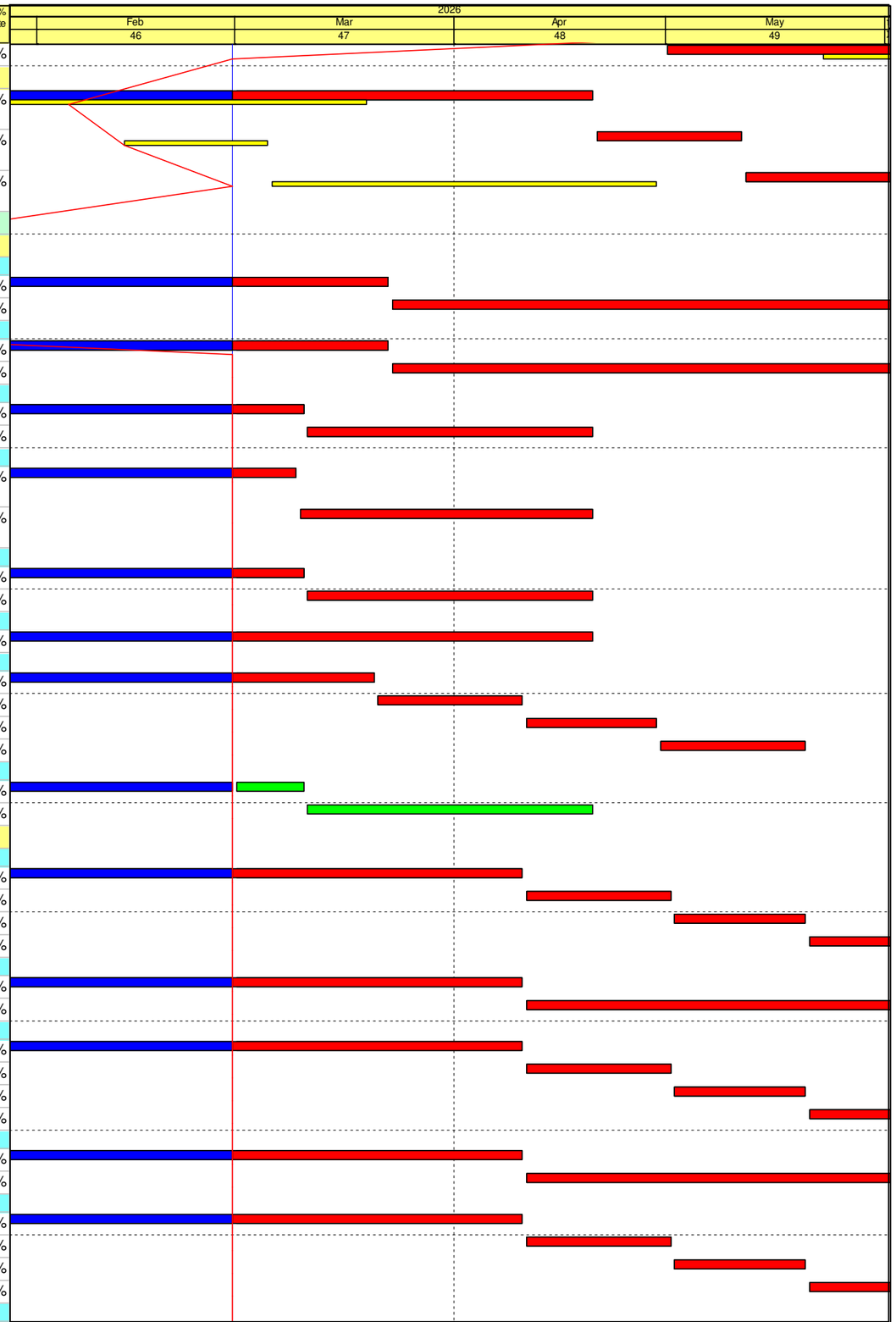
S2-ADB-DDA-1270	Approval of DDA Design of CCTV, ACS & Security system	121	23-May-26	12-Jun-26	01-May-26	30-Aug-26	-207	0%
Radio Communication System, Telephone System & PA System (DDA027)								
S2-ADB-DDA-1280	Prepare & Submission of DDA Design of Radio Communication, Telephone & PA System	51	01-May-25	19-Mar-26	27-Mar-25 A	20-Apr-26	-199	86.92%
S2-ADB-DDA-1290	Review & comment on DDA Design of Radio Communication, Telephone & PA System	21	13-Feb-26	05-Mar-26	21-Apr-26	11-May-26	-199	0%
S2-ADB-DDA-1300	Re-submission of DDA Design of Radio Communication, Telephone & PA System	89	06-Mar-26	29-Apr-26	12-May-26	08-Aug-26	-199	0%
Plant & Material Submission								
MVAC System								
Dehumidifier (BS001) (Combined in ME020)								
S2-ADB-PMS-1000	Prepare & Submission of Dehumidifier	22	01-Feb-25	01-Jan-26	01-Oct-25 A	22-Mar-26	-263	87.28%
S2-ADB-PMS-1010	Review & Approval of Dehumidifier	92	23-Oct-25	12-Nov-25	23-Mar-26	22-Jun-26	-73	0%
Prefilter and After filter (BS002) (Combined in ME020)								
S2-ADB-PMS-1320	Prepare & Submission of Prefilter and After Filter	22			01-Oct-25 A	22-Mar-26	-73	85.14%
S2-ADB-PMS-1330	Review & Approval of Prefilter and After Filter	92			23-Mar-26	22-Jun-26	-73	0%
Axial/Propeller/Centrifugal/ Jet Fan (BS003)								
S2-ADB-PMS-1380	Re-submission of Axial/Propeller/Centrifugal/ Jet Fan	10			16-Dec-25 A	10-Mar-26	-224	88.24%
S2-ADB-PMS-1390	Review & Approval of Axial/Propeller/Centrifugal/ Jet Fan	41			11-Mar-26	20-Apr-26	-224	0%
Volume Control/Fire Damper, Louver, Griller and Air Ductwork (BS004)								
S2-ADB-PMS-1420	Re-submission of Volume Control/Fire Damper, Louver, Griller and Air Ductwork	9			10-Jan-26 A	09-Mar-26	-224	84.75%
S2-ADB-PMS-1430	Review & Approval of Volume Control/Fire Damper, Louver, Griller and Air Ductwork	42			10-Mar-26	20-Apr-26	-224	0%
Acoustic Silencer (BS005)								
S2-ADB-PMS-1460	Re-submission of Acoustic Silencer	10			07-Jan-26 A	10-Mar-26	-263	84.13%
S2-ADB-PMS-1470	Review & Approval of Acoustic Silencer	41			11-Mar-26	20-Apr-26	-263	0%
Absorption Chiller (BS006)								
S2-ADB-PMS-1510	Review & Approval of Absorption Chiller	51			24-Dec-25 A	20-Apr-26	-263	56.78%
Outdoor and Indoor Unit (BS007)								
S2-ADB-PMS-1520	Prepare & Submission of Outdoor and indoor Unit	20			25-Oct-25 A	20-Mar-26	-293	80.58%
S2-ADB-PMS-1530	Review & comment on Outdoor and indoor Unit	21			21-Mar-26	10-Apr-26	-293	0%
S2-ADB-PMS-1540	Re-submission of Outdoor and indoor Unit	19			11-Apr-26	29-Apr-26	-293	0%
S2-ADB-PMS-1550	Review & Approval of Outdoor and indoor Unit	21			30-Apr-26	20-May-26	-293	0%
Air Ductwork and Accessories for MVAC System (BS027)								
S2-ADB-PMS-3320	Re-submission of Air Ductwork and Accessories for MVAC System	10			07-Jan-26 A	10-Mar-26	672	84.13%
S2-ADB-PMS-3330	Review & Approval of Air Ductwork and Accessories for MVAC System	41			11-Mar-26	20-Apr-26	672	0%
P&D System								
FRP Water Tank (BS008)								
S2-ADB-PMS-2860	Prepare & Submission of FRP Water Tank	41			18-Dec-25 A	10-Apr-26	-133	64.04%
S2-ADB-PMS-2870	Review & comment on FRP Water Tank	21			11-Apr-26	01-May-26	-133	0%
S2-ADB-PMS-2880	Re-submission of FRP Water Tank	19			02-May-26	20-May-26	-133	0%
S2-ADB-PMS-2890	Review & Approval of FRP Water Tank	21			21-May-26	10-Jun-26	-133	0%
Plumbling system Pump Set (BS009A)								
S2-ADB-PMS-2920	Re-submission of Plumbling system Pump Set	41			29-Nov-25 A	10-Apr-26	-133	55.43%
S2-ADB-PMS-2930	Review & Approval of Plumbling system Pump Set	61			11-Apr-26	10-Jun-26	-133	0%
Plumbling system Pump Set (EL-Panel) (BS009B)								
S2-ADB-PMS-3180	Prepare & Submission of Plumbling system Pump Set (EL-panel)	41			18-Dec-25 A	10-Apr-26	-133	64.04%
S2-ADB-PMS-3190	Review & comment on Plumbling system Pump Set (EL-panel)	21			11-Apr-26	01-May-26	-133	0%
S2-ADB-PMS-3200	Re-submission of Plumbling system Pump Set (EL-panel)	19			02-May-26	20-May-26	-133	0%
S2-ADB-PMS-3210	Review & Approval of Plumbling system Pump Set (EL-panel)	21			21-May-26	10-Jun-26	-133	0%
Plumbing System (Pressure Vessel) (BS011)								
S2-ADB-PMS-3000	Re-submission of Pneumatic Tank / Pressure Vessel	41			06-Jan-26 A	10-Apr-26	-133	56.84%
S2-ADB-PMS-3010	Review & Approval of Pneumatic Tank / Pressure Vessel	61			11-Apr-26	10-Jun-26	-133	0%
Pipes and Fittings for Plumbing System (BS013A)								
S2-ADB-PMS-3060	Prepare & Submission of Pipes and Fittings for Plumbing System	41			18-Dec-25 A	10-Apr-26	-133	64.04%
S2-ADB-PMS-3070	Review & comment on Pipes and Fittings for Plumbing System	21			11-Apr-26	01-May-26	-133	0%
S2-ADB-PMS-3080	Re-submission of Pipes and Fittings for Plumbing System	19			02-May-26	20-May-26	-133	0%
S2-ADB-PMS-3090	Review & Approval of Pipes and Fittings for Plumbing System	21			21-May-26	10-Jun-26	-133	0%
Pipes and Fittings for Drainage System (BS013B)								



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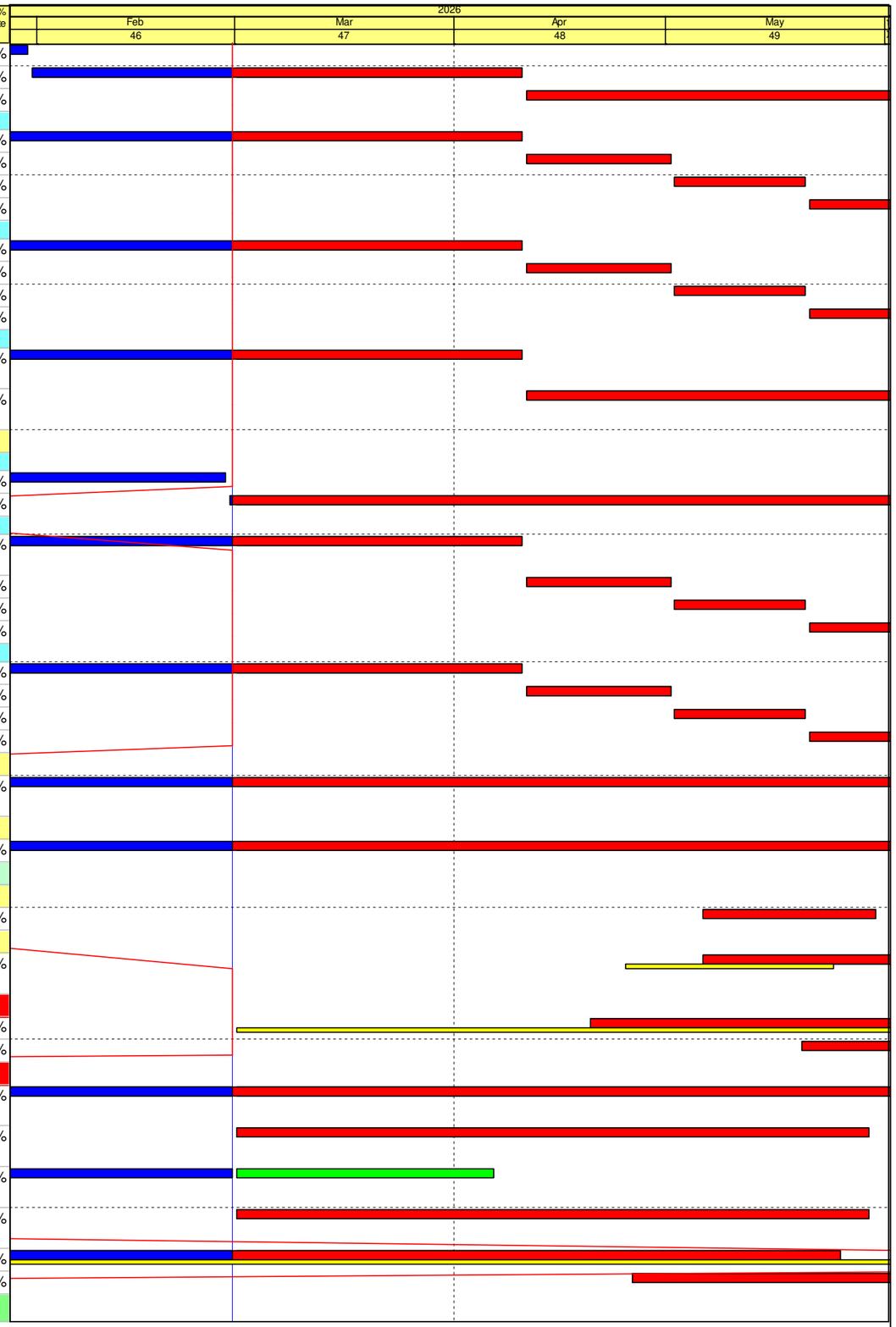
S2-ADB-PMS-3350	Review & comment on Pipes and Fittings for Drainage System	0			14-Jan-26 A	30-Jan-26 A		100%
S2-ADB-PMS-3360	Re-submission of Pipes and Fittings for Drainage System	41			31-Jan-26 A	10-Apr-26	-133	45.33%
S2-ADB-PMS-3370	Review & Approval of Pipes and Fittings for Drainage System	61			11-Apr-26	10-Jun-26	-133	0%
Valves for Plumbing System (BS013C)								
S2-ADB-PMS-3380	Prepare & Submission of Valves for Plumbing System	41			18-Dec-25 A	10-Apr-26	-133	64.04%
S2-ADB-PMS-3390	Review & comment on Valves for Plumbing System	21			11-Apr-26	01-May-26	-133	0%
S2-ADB-PMS-3400	Re-submission of Valves for Plumbing System	19			02-May-26	20-May-26	-133	0%
S2-ADB-PMS-3410	Review & Approval of Valves for Plumbing System	21			21-May-26	10-Jun-26	-133	0%
Valves for Drainage System (BS013D)								
S2-ADB-PMS-3420	Prepare & Submission of Valves for Drainage System	41			18-Dec-25 A	10-Apr-26	-133	64.04%
S2-ADB-PMS-3430	Review & comment on Valves for Drainage System	21			11-Apr-26	01-May-26	-133	0%
S2-ADB-PMS-3440	Re-submission of Valves for Drainage System	19			02-May-26	20-May-26	-133	0%
S2-ADB-PMS-3450	Review & Approval of Valves for Drainage System	21			21-May-26	10-Jun-26	-133	0%
Drainage system Pump Set (Submersible Sewage pump) (BS015)								
S2-ADB-PMS-3160	Re-submission of Drainage system Pump Set (Submersible Sewage pump)	41			13-Dec-25 A	10-Apr-26	-218	65.55%
S2-ADB-PMS-3170	Review & Approval of Drainage system Pump Set (Submersible Sewage pump)	61			11-Apr-26	10-Jun-26	-218	0%
FS System								
Fire Service Pump Set (Fixed Sprinkler, Fire and Jockey Pumps) (BS016A)								
S2-ADB-PMS-1100	Re-submission of FS System - Fire Service Pump Set	0	07-Oct-25	14-Dec-25	20-Nov-25 A	27-Feb-26 A		100%
S2-ADB-PMS-1110	Review & Approval of FS System - Fire Service Pump Set	102	15-Dec-25	04-Jan-26	28-Feb-26 A	10-Jun-26	-245	0.97%
Fire Service Pump Set (EL-Panel) (BS016B)								
S2-ADB-PMS-3220	Prepare & Submission of FS System - Fire Service Pump Set (EL Panel)	41			01-Nov-25 A	10-Apr-26	-223	57.29%
S2-ADB-PMS-3230	Review & comment on FS System - Fire Service Pump Set (EL Panel)	21			11-Apr-26	01-May-26	-223	0%
S2-ADB-PMS-3240	Re-submission of FS System - Fire Service Pump Set (EL Panel)	19			02-May-26	20-May-26	-223	0%
S2-ADB-PMS-3250	Review & Approval of FS System - Fire Service Pump Set (EL Panel)	21			21-May-26	10-Jun-26	-223	0%
Pipes, Fittings, Valves for Fire Service Installation (BS017)								
S2-ADB-PMS-3260	Prepare & Submission of Pipe, fittings, valves for FS Installation	41			01-Nov-25 A	10-Apr-26	-245	74.53%
S2-ADB-PMS-3270	Review & comment on Pipe, fittings, valves for FS Installation	21			11-Apr-26	01-May-26	-245	0%
S2-ADB-PMS-3280	Re-submission of Pipe, fittings, valves for FS Installation	19			02-May-26	20-May-26	-245	0%
S2-ADB-PMS-3290	Review & Approval of Pipe, fittings, valves for FS Installation	21			21-May-26	10-Jun-26	-245	0%
Radio Communication, Telephone System and Public Address System (BS024)								
S2-ADB-PMS-1200	Prepare & Submission of Radio Communication, Telephone System and Public Address System	132	01-May-25	28-Nov-25	27-Mar-25 A	10-Jul-26	-113	62.18%
CCTV , ACS & Security System (BS025)								
S2-ADB-PMS-1310	Review & Approval of CCTV, ACS & Security System	224	06-Oct-25	26-Oct-25	22-Oct-25 A	10-Oct-26	-178	36.72%
Method Statement								
Fire Services System								
S2-ADB-MS-1000	Prepare & Submission of method statement of installation of FS system	25	20-Dec-25	13-Jan-26	06-May-26	30-May-26	-132	0%
MVAC System (with effluent cooling system)								
S2-ADB-MS-1040	Prepare & Submission of method statement of installation of MVAC System (with effluent cooling system)	30	25-Apr-26	24-May-26	06-May-26	04-Jun-26	-127	0%
Manufacture, FAT & Delivery of Major Equipment								
S2-ADB-MD-1050	Manufacture with FAT(4 months) & Delivery(1 month) of MV System	215	01-Mar-26	01-Oct-26	20-Apr-26	20-Nov-26	-224	0%
S2-ADB-MD-1060	Manufacture with FAT(1 months) & Delivery(1 month) of AC System	123			20-May-26	19-Sep-26	-293	0%
Interfacing Works								
S2-ADB-IFW-1000	Interface Works with Other Contract (including: Slab / Wall openings, Concrete Plinths, Cast-in Item, etc)	336	15-Dec-22	04-Jul-24	01-Apr-25 A	30-Jan-27	-321	49.85%
S2-ADB-IFW-1020	Design Submission with Interface Works on Provision in LV Switchroom in ADB	90	01-Aug-25	29-Oct-25	01-Mar-26	29-May-26	-234	0%
S2-ADB-IFW-1030	Design Submission with Interface Works on Elffuent Supply for Effluent Cooling System	37	01-May-25	04-Oct-25	19-Apr-25 A	06-Apr-26	4	89.52%
S2-ADB-IFW-1040	Design Submission with Interface Works on Street Fire Hydrant Water Main & Pumping System	90	17-Aug-25	14-Nov-25	01-Mar-26	29-May-26	-68	0%
S2-ADB-IFW-1050	Design Submission with Interface Works on Plumbing & Drainage	86	01-Dec-25	10-Jan-27	15-Feb-25 A	25-May-26	-117	81.51%
S2-ADB-IFW-1060	Design Submission with Interface Works on BEAM Plus	90	14-Aug-25	11-Nov-25	26-Apr-26	24-Jul-26	-367	0%
Section 3 - Design, supply, delivery, installation, T&C of Sludge Dewatering and Drying System								



Remaining Work
Critical Activity
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RP Rev.33 MS
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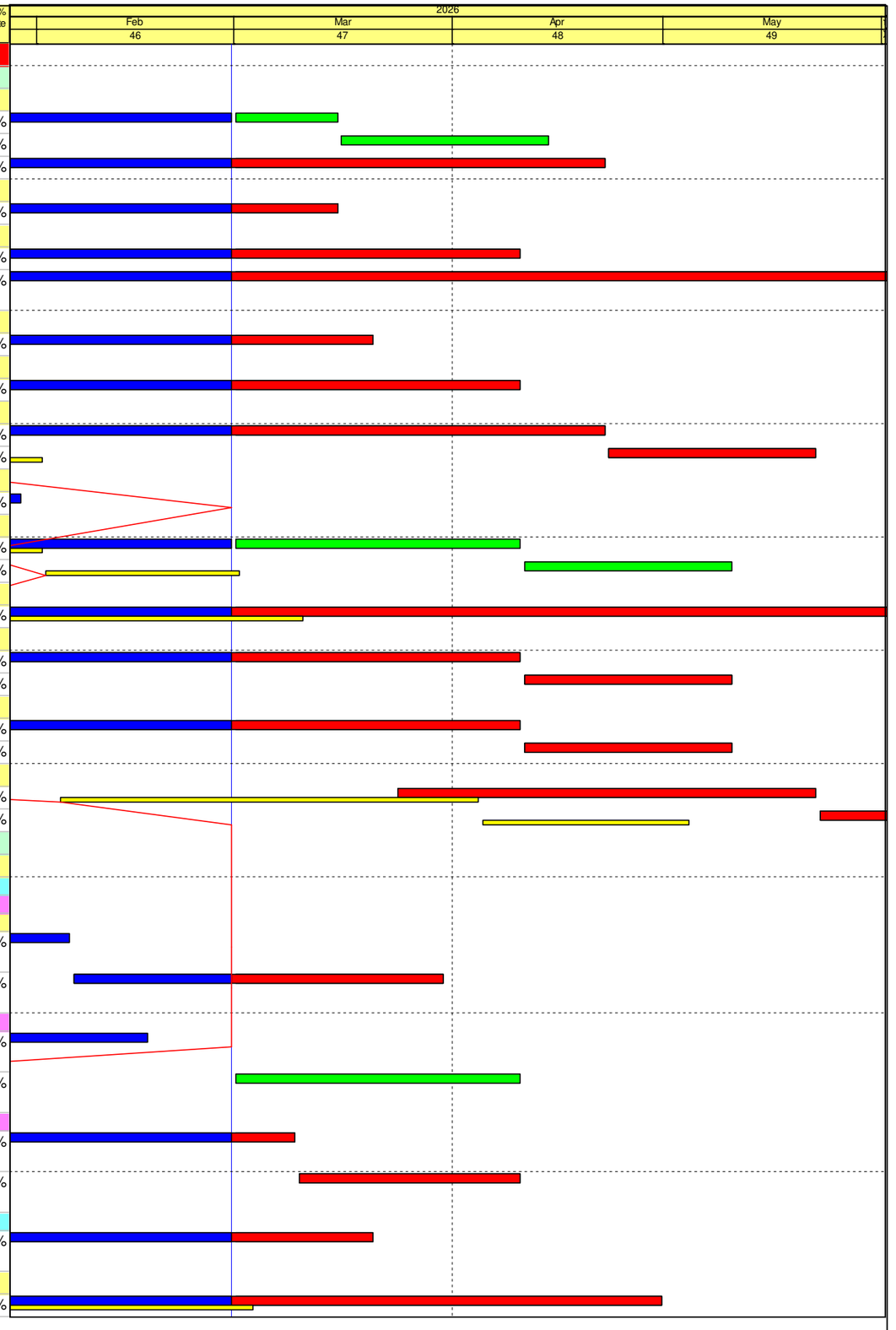
Date	Revision	Checked	Approved
30-Nov-25	Rev.40	IM	JM
31-Dec-25	Rev.41	IM	JM
31-Jan-26	Rev.42	IM	JM
28-Feb-26	Rev.43	IM	JM

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R33)	BL Finish (DE/2020/01 RP R33)	Start	Finish	Total Float	Activity % Complete
Technical Submission & Approval								
Subletting								
Sludge Dewatering System								
S3-SDB-SUB-1120	Tendering of Instrument Air System	15	22-Aug-25	20-Oct-25	30-Sep-25 A	15-Mar-26	26	91.02%
S3-SDB-SUB-1130	Engagement of Instrument Air System	30	21-Oct-25	19-Nov-25	16-Mar-26	14-Apr-26	26	0%
S3-SDB-SUB-1170	Engagement of Wet Sludge Hopper and Dried Sludge Silo	53	01-Oct-25	30-Oct-25	27-Jan-26 A	22-Apr-26	-229	38.37%
Sludge Conveyors and Discharge System								
S3-SDB-SUB-1190	Engagement of Sludge Conveyors	15	27-Sep-25	26-Oct-25	01-Dec-25 A	15-Mar-26	-86	85.71%
Polyelectrolyte Preparation, Mixing, Transfer, Storage and Dosing System								
S3-SDB-SUB-1210	Engagement of PPU, Tank, Mixer	41	28-Sep-25	27-Oct-25	15-Jan-26 A	10-Apr-26	-147	52.33%
S3-SDB-SUB-1230	Engagement of Polymer Transfer Pumps, Dosing Pumps, DSHT Drain Pump	132	31-Oct-25	29-Nov-25	15-Jan-26 A	10-Jul-26	-238	25.42%
Sludge Heating System								
S3-SDB-SUB-1310	Engagement of Heat Exchanger and Recirculation System	20	14-Sep-25	13-Oct-25	25-Oct-25 A	20-Mar-26	-12	86.39%
Exhaust Gas Treatment System								
S3-SDB-SUB-1330	Engagement of SCR, Chemical Dosing System, Flue Gas Stacks	41	27-Sep-25	26-Oct-25	01-Dec-25 A	10-Apr-26	-107	68.7%
Air Purifying System with Disinfection								
S3-SDB-SUB-1340	Tendering of Air Purification System	53	04-Nov-25	02-Jan-26	10-Jan-26 A	22-Apr-26	-200	48.54%
S3-SDB-SUB-1350	Engagement of Air Purification System	30	03-Jan-26	01-Feb-26	23-Apr-26	22-May-26	-200	0%
Biogas Pre-treatment System								
S3-SDB-SUB-1390	Engagement of Biogas Pre-treatment System	0	14-Sep-25	13-Oct-25	11-Dec-25 A	29-Jan-26 A		100%
Gas Detection System								
S3-SDB-SUB-1400	Tendering of Gas Detection System	41	04-Dec-25	01-Feb-26	18-Aug-25 A	10-Apr-26	12	82.63%
S3-SDB-SUB-1410	Engagement of Gas Detection System	30	02-Feb-26	01-Mar-26	11-Apr-26	10-May-26	12	0%
Vehicle Access Control System								
S3-SDB-SUB-1420	Tendering of Vehicle Access Control System	163	10-Jan-26	10-Mar-26	13-Dec-25 A	10-Aug-26	-190	0%
CMMS and IDMS								
S3-SDB-SUB-1440	Tendering of CMMS and IDMS	41	25-Sep-25	23-Nov-25	25-Sep-25 A	10-Apr-26	-217	66.12%
S3-SDB-SUB-1450	Engagement of CMMS and IDMS	30	24-Nov-25	23-Dec-25	11-Apr-26	10-May-26	-217	0%
Power Quality and Energy Management System (PQEMS)								
S3-SDB-SUB-1460	Tendering of PQEMS	41	01-Aug-25	29-Sep-25	31-Jul-25 A	10-Apr-26	-217	83.86%
S3-SDB-SUB-1470	Engagement of PQEMS	30	29-Sep-25	28-Oct-25	11-Apr-26	10-May-26	-217	0%
Control, Monitoring and Operation System (CMO)								
S3-SDB-SUB-1500	Tendering of CMO	60	04-Feb-26	04-Apr-26	24-Mar-26*	22-May-26	-12	0%
S3-SDB-SUB-1510	Engagement of CMO	31	05-Apr-26	04-May-26	23-May-26	22-Jun-26	-12	0%
DDA Submission								
Civil Requirement								
Sludge Dewatering Building (DDA036)								
Loading & unloading Level (DDA036a) (Expanded to seperate submission DDA-036a1 and DDA-036a2)								
Loading & unloading Level - Walls and Ceiling (DDA036a2)								
S3-SDB-CR-2280	Prepare & Submission of Plant Layout & Civil Requirements Drawings for SDB (Loading & Unloading level - Walls & Ceiling)	0			12-Dec-25 A	05-Feb-26 A		100%
S3-SDB-CR-2310	Approval of Plant Layout & Civil Requirements Drawings for SDB (Loading & Unloading level - Walls & Ceiling)	30			06-Feb-26 A	30-Mar-26	-262	43.4%
Ground and Frist Level (DDA036b)								
S3-SDB-CR-2100	Re-submission of civil requirement & general arrangement drawing of SDB (Ground & First level)	0	02-Nov-25	01-Dec-25	13-Dec-25 A	16-Feb-26 A		100%
S3-SDB-CR-2110	Approval of civil requirement & general arrangement drawing of SDB (Ground & First level)	41	02-Dec-25	22-Dec-25	01-Mar-26	10-Apr-26	682	0%
Roof Level (DDA036c)								
S3-SDB-CR-2140	Re-submission of civil requirement & general arrangement drawing of SDB (Roof Level)	9	22-Nov-25	21-Dec-25	20-Dec-25 A	09-Mar-26	-273	88.75%
S3-SDB-CR-2150	Approval of civil requirement & general arrangement drawing of SDB (Roof Level)	32	22-Dec-25	11-Jan-26	10-Mar-26	10-Apr-26	-273	0%
Site Wide Cable Duct System (DDA038)								
S3-SDB-CR-2070	Approval of civil requirement & general arrangement drawing of Site Wide Cable Duct System	20	10-Oct-25	30-Oct-25	24-Dec-25 A	20-Mar-26	-254	77.01%
Sludge Mixing System (DDA003)								
S3-SDB-DDA-1030	Approval of DDA Design of Sludge Mixing System	61	26-Jun-25	03-Mar-26	27-Sep-25 A	30-Apr-26	-190	71.76%



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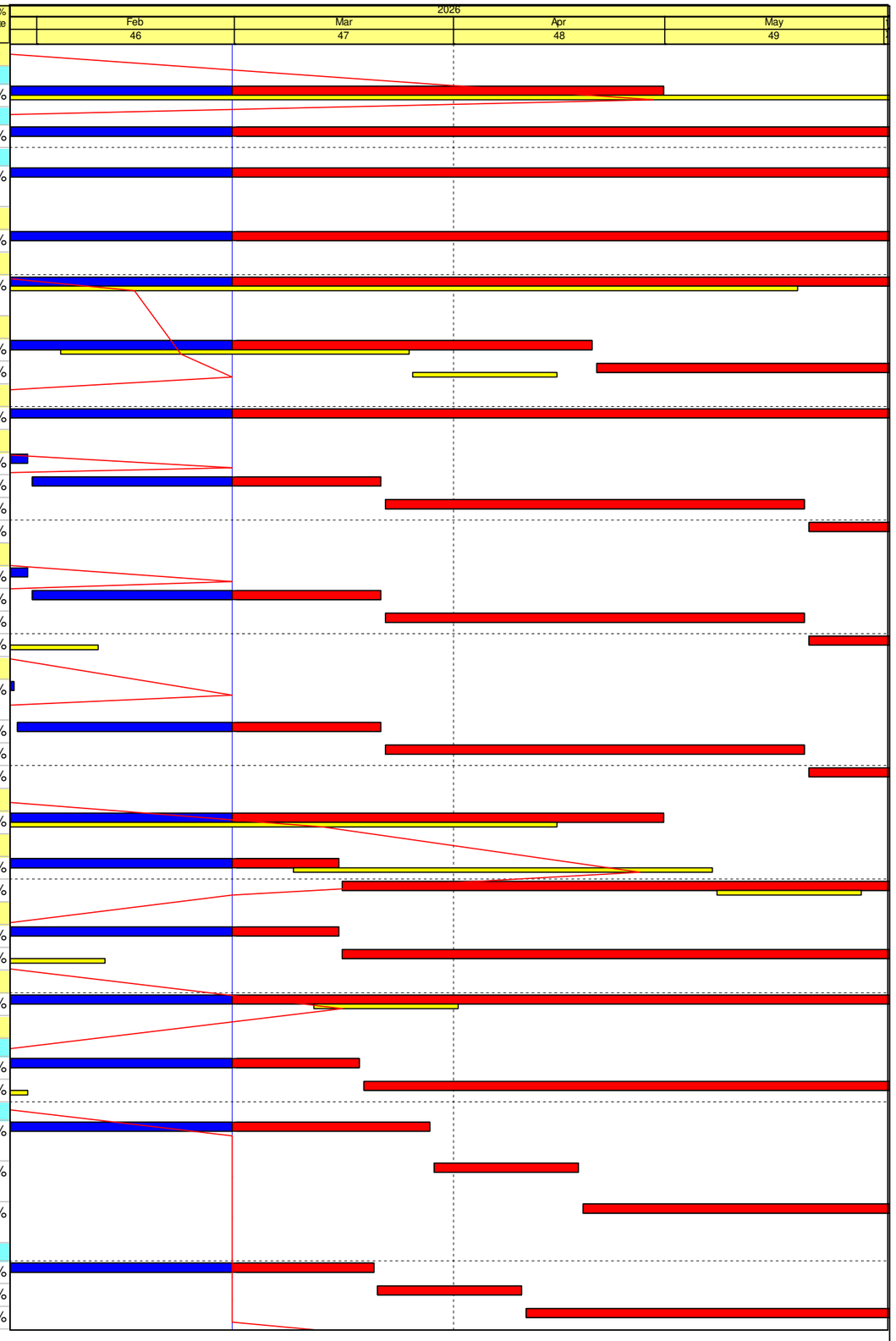
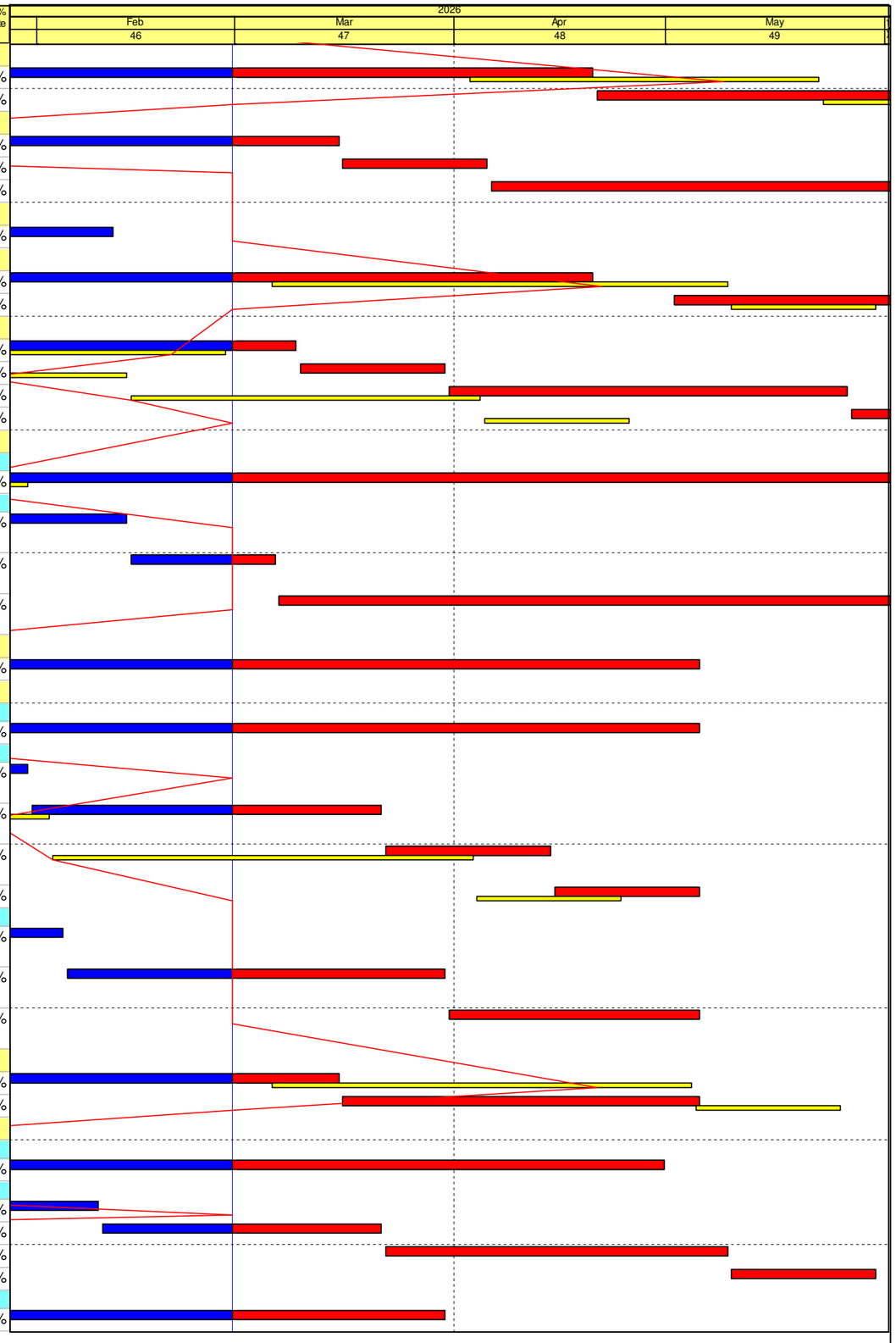
Sludge Dewatering and Drying System								
Sludge Dewatering System (Centrifuge, Centrifuge Feed Pump) (DDA004A)								
S3-SDB-DDA-1110	Approval of DDA Design of Centrifuge and Centrifuge Feed Pump	61	27-Jul-25	06-Jul-26	28-Jun-25 A	30-Apr-26	-188	80.13%
Sludge Drying System (Dryer's Conveyor and Condensation System) (DDA004B)								
S3-SDB-DDA-2470	Approval of DDA Design of Sludge Drying System	102	01-Apr-25	06-Nov-25	29-Aug-25 A	10-Jun-26	-229	64.34%
Sludge Handling and Dynamic Mixing System (Hopper, Diverters, Silo, Dynamic Sludge Mixer) (DDA004C)								
S3-SDB-DDA-2510	Approval of DDA Design of Hopper, Diverters, Silo and Dynamic Sludge Mixer	102	31-Aug-25	29-Oct-25	09-Aug-25 A	10-Jun-26	-229	66.67%
Sludge Conveying and Discharge System (DDA005)								
S3-SDB-DDA-1150	Approval of DDA Design of Sludge Conveying & Discharge System	102	30-Nov-25	20-Dec-25	29-Nov-25 A	10-Jun-26	-211	47.42%
Polyelectrolyte Preparation, Mixing, Transferring, Storage and Dosing System (DDA006)								
S3-SDB-DDA-1190	Approval of DDA Design of Polyelectrolyte Preparation, Mixing, Transferring, Storage & Dosing System	102	07-Jun-25	19-May-26	31-May-25 A	10-Jun-26	-231	72.87%
Centrate/Filtrate Collection System (DDA007)								
S3-SDB-DDA-1220	Re-submission of DDA Design of Centrate/Filtrate Collection System	51	04-Feb-26	25-Mar-26	13-Dec-25 A	20-Apr-26	-170	34.62%
S3-SDB-DDA-1230	Approval of DDA Design of Centrate/Filtrate Collection System	51	26-Mar-26	15-Apr-26	21-Apr-26	10-Jun-26	-170	0%
Steam Boiler System (DDA008)								
S3-SDB-DDA-1270	Approval of DDA Design of Steam Boiler System	102	31-Oct-25	20-Nov-25	23-Dec-25 A	10-Jun-26	-170	40%
Sludge Heating System (DDA009)								
S3-SDB-DDA-1280	Prepare & Submission of DDA Design of Sludge Heating System	0	02-May-25	07-Oct-25	15-Apr-25 A	30-Jan-26 A		100%
S3-SDB-DDA-1290	Review & comment on DDA Design of Sludge Heating System	21	21-Sep-25	11-Oct-25	31-Jan-26 A	21-Mar-26	-224	58%
S3-SDB-DDA-1300	Re-submission of DDA Design of Sludge Heating System	60	12-Oct-25	30-Nov-25	22-Mar-26	20-May-26	-224	0%
S3-SDB-DDA-1310	Approval of DDA Design of Sludge Heating System	21	01-Dec-25	21-Dec-25	21-May-26	10-Jun-26	-224	0%
CHP System (DDA012)								
S3-SDB-DDA-1400	Prepare & Submission of DDA Design of CHP Generating System	0	21-Jun-25	22-Nov-25	09-May-25 A	30-Jan-26 A		100%
S3-SDB-DDA-1410	Review & comment on DDA Design of CHP Generating System	21	10-Nov-25	30-Nov-25	31-Jan-26 A	21-Mar-26	-170	58%
S3-SDB-DDA-1420	Re-submission of DDA Design of CHP Generating System	60	01-Dec-25	19-Jan-26	22-Mar-26	20-May-26	-170	0%
S3-SDB-DDA-1430	Approval of DDA Design of CHP Generating System	21	20-Jan-26	09-Feb-26	21-May-26	10-Jun-26	-170	0%
Exhaust Gas Treatment System (DDA013)								
S3-SDB-DDA-1440	Prepare & Submission of DDA Design of Exhaust Gas Treatment System	0	01-Jun-25	02-Nov-25	09-May-25 A	28-Jan-26 A		100%
S3-SDB-DDA-1450	Review & comment on DDA Design of Exhaust Gas Treatment System	21	11-Oct-25	31-Oct-25	29-Jan-26 A	21-Mar-26	-150	59.62%
S3-SDB-DDA-1460	Re-submission of DDA Design of Exhaust Gas Treatment System	60	01-Nov-25	20-Dec-25	22-Mar-26	20-May-26	-150	0%
S3-SDB-DDA-1470	Approval of DDA Design of Exhaust Gas Treatment System	21	21-Dec-25	10-Jan-26	21-May-26	10-Jun-26	-150	0%
Deodorisation Unit/System (DDA015)								
S3-SDB-DDA-1550	Approval of DDA Design of Deodorisation Unit/System	61	28-Sep-25	15-Apr-26	30-Apr-25 A	30-Apr-26	-195	83.33%
Air Purifier System with Disinfection (DDA016)								
S3-SDB-DDA-1580	Re-submission of DDA Design of Air Purifier System with Disinfection	15	09-Mar-26	07-May-26	20-Dec-25 A	15-Mar-26	-106	82.56%
S3-SDB-DDA-1590	Approval of DDA Design of Air Purifier System with Disinfection	87	08-May-26	28-May-26	16-Mar-26	10-Jun-26	-106	0%
Lifting Appliance (DDA017)								
S3-SDB-DDA-1620	Re-submission of DDA Design of Lifting Appliance	15	02-Dec-25	20-Jan-26	17-Jan-26 A	15-Mar-26	-320	74.14%
S3-SDB-DDA-1630	Approval of DDA Design of Lifting Appliance	87	21-Jan-26	10-Feb-26	16-Mar-26	10-Jun-26	-320	0%
Emergency Generator Set (DDA023)								
S3-SDB-DDA-1670	Approval of DDA Design of Emergency Generator System	152	12-Mar-26	01-Apr-26	24-Jan-26 A	30-Jul-26	-368	19.15%
PLC and SCADA System, and Network Integration (DDA035)								
System Architecture Drawing and I/O Schedule (DDA035a)								
S3-SDB-DDA-1740	Re-submission of System Architecture Drawing and I/O Schedule	18	06-Nov-25	09-Jan-26	11-Nov-25 A	18-Mar-26	-207	85.94%
S3-SDB-DDA-1750	Approval of System Architecture Drawing and I/O Schedule	134	10-Jan-26	30-Jan-26	19-Mar-26	30-Jul-26	-207	0%
SCADA Panels GA, Schematic Drawings and Equipment Layout Plan (DDA035b)								
S3-SDB-DDA-2880	Prepare & Submission of SCADA Panels GA, Schematic Drawings and Equipment Layout Plan	28			01-Oct-25 A	28-Mar-26	-386	84.36%
S3-SDB-DDA-2890	Review & comment on SCADA Panels GA, Schematic Drawings and Equipment Layout Plan	21			29-Mar-26	18-Apr-26	-386	0%
S3-SDB-DDA-2900	Re-submission of SCADA Panels GA, Schematic Drawings and Equipment Layout Plan	82			19-Apr-26	09-Jul-26	-386	0%
HMI Grapichs Design (DDA035c)								
S3-SDB-DDA-2920	Prepare & Submission of HMI Grapichs Design	20			01-Oct-25 A	20-Mar-26	-330	88.3%
S3-SDB-DDA-2930	Review & comment on HMI Grapichs Design	21			21-Mar-26	10-Apr-26	-330	0%
S3-SDB-DDA-2940	Re-submission of HMI Grapichs Design	213			11-Apr-26	09-Nov-26	-330	0%



Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R33)	BL Finish (DE/2020/01 RP R33)	Start	Finish	Total Float	Activity % Complete
Gas Detection System (DDA028)								
S3-SDB-DDA-1780	Re-submission of Gas Detection System	51	03-Apr-26	22-May-26	18-Oct-25 A	20-Apr-26	-230	72.43%
S3-SDB-DDA-1790	Approval of Gas Detection System	132	23-May-26	12-Jun-26	21-Apr-26	30-Aug-26	-230	0%
Control, Monitoring and Operation (CMO) System (DDA034)								
S3-SDB-DDA-1800	Prepare & Submission of CMO System	15	01-Jun-25	23-Nov-25	23-Apr-25 A	15-Mar-26	-101	95.41%
S3-SDB-DDA-1810	Review & comment on CMO System	21	05-Jun-26	25-Jun-26	16-Mar-26	05-Apr-26	-101	0%
S3-SDB-DDA-1820	Re-submission of CMO System	146	26-Jun-26	29-Aug-26	06-Apr-26	29-Aug-26	-101	0%
Process Instrumentation System (DDA033)								
S3-SDB-DDA-1870	Approval of PIS System	0	23-Aug-25	20-Nov-25	19-Dec-25 A	11-Feb-26 A		100%
Vehicle Access Control System (DDA029)								
S3-SDB-DDA-1900	Re-submission of Vehicle Access Control System	51	06-Mar-26	09-May-26	18-Oct-25 A	20-Apr-26	-179	72.43%
S3-SDB-DDA-1910	Approval of Vehicle Access Control System	132	10-May-26	30-May-26	02-May-26	10-Sep-26	-190	0%
Computerised Maint. & Management Sys(CMMS) (DDA030)								
S3-SDB-DDA-1920	Prepare & Submission of CMMS	9	01-May-25	27-Feb-26	27-Mar-25 A	09-Mar-26	-134	97.41%
S3-SDB-DDA-1930	Review & comment on CMMS	21	24-Jan-26	13-Feb-26	10-Mar-26	30-Mar-26	-134	0%
S3-SDB-DDA-1940	Re-submission of CMMS	57	14-Feb-26	04-Apr-26	31-Mar-26	26-May-26	-134	0%
S3-SDB-DDA-1950	Approval of CMMS	35	05-Apr-26	25-Apr-26	27-May-26	30-Jun-26	-134	0%
Power Quailty and Energy Management System (PQEMS) (DDA032)								
System Architecture Drawing (DDA032a)								
S3-SDB-DDA-2030	Approval of PQEMS - System Architecture Drawing	152	10-Jan-26	30-Jan-26	21-Jan-26 A	30-Jul-26	-174	20.42%
PQEMS Panels GA, Schematic Drawings and Equipment Layout Plan (DDA032b)								
S3-SDB-DDA-2960	Prepare & Submission of PQEMS Panels GA, Schematic Drawings and Equipment Layout Plan	0			23-Oct-25 A	13-Feb-26 A		100%
S3-SDB-DDA-2970	Review & comment on PQEMS Panels GA, Schematic Drawings and Equipment Layout Plan	6			14-Feb-26 A	06-Mar-26	-174	71.43%
S3-SDB-DDA-2980	Re-submission of PQEMS Panels GA, Schematic Drawings and Equipment Layout Plan	125			07-Mar-26	09-Jul-26	-174	0%
Fire Services System (DDA018)								
S3-SDB-DDA-2070	Approval of DDA Design of FS System	66	11-Nov-25	01-Dec-25	01-Nov-25 A	05-May-26	-248	64.52%
MVAC System (with effluent cooling system) (DDA019)								
MV System (in SDB and ADB) (DDA019a)								
S3-SDB-DDA-2110	Approval of DDA Design of MV System	66	13-Dec-25	02-Jan-26	29-Nov-25 A	05-May-26	-192	58.23%
AC system (AC system in SDB and with Effluent Cooling System in ADB) (DDA019b)								
S3-SDB-DDA-2820	Prepare & Submission of DDA Design of AC System (with effluent cooling system)	0	15-Oct-25	12-Jan-26	22-Oct-25 A	30-Jan-26 A		100%
S3-SDB-DDA-2830	Review & comment on DDA Design of AC System (with effluent cooling system)	21	13-Jan-26	02-Feb-26	31-Jan-26 A	21-Mar-26	-237	58%
S3-SDB-DDA-2840	Re-submission of DDA Design of AC System (with effluent cooling system)	24	03-Feb-26	03-Apr-26	22-Mar-26	14-Apr-26	-237	0%
S3-SDB-DDA-2850	Approval of DDA Design of AC System (with effluent cooling system)	21	04-Apr-26	24-Apr-26	15-Apr-26	05-May-26	-237	0%
Absorption Chiller System (Absorption Chiller in Sludge Dewatering Building) (DDA019c)								
S3-SDB-DDA-3050	Review & comment on DDA Design of Absorption Chiller System (Absorption Chiller in Sludge Dewatering Building)	0			24-Dec-25 A	04-Feb-26 A		100%
S3-SDB-DDA-3060	Re-submission of DDA Design of Absorption Chiller System (Absorption Chiller in Sludge Dewatering Building)	30			05-Feb-26 A	30-Mar-26	-258	44.44%
S3-SDB-DDA-3070	Approval of DDA Design of Absorption Chiller System (Absorption Chiller in Sludge Dewatering Building)	36			31-Mar-26	05-May-26	-258	0%
P&D System (DDA025)								
S3-SDB-DDA-2140	Re-submission of DDA Design of P&D System	15	06-Mar-26	04-May-26	09-Jan-26 A	15-Mar-26	-192	77.27%
S3-SDB-DDA-2150	Approval of DDA Design of P&D System	51	05-May-26	25-May-26	16-Mar-26	05-May-26	-192	0%
Electrical System								
Electrical System - Single Line Diagram of Electrical System (DDA021A)								
S3-SDB-DDA-2190	Approval of DDA Design of Single Line Diagram	61	21-Aug-25	18-Nov-25	22-Oct-25 A	30-Apr-26	-295	68.06%
Electrical System - LV Power Distribution System (DDA021B)								
S3-SDB-DDA-2520	Prepare & Submission of DDA Design of LV Power Distribution System	0	01-Feb-25	12-Nov-25	10-Dec-24 A	09-Feb-26 A		100%
S3-SDB-DDA-2530	Review & comment on DDA Design of LV Power Distribution System	21	21-Sep-25	11-Oct-25	10-Feb-26 A	21-Mar-26	-233	47.5%
S3-SDB-DDA-2540	Re-submission of DDA Design of LV Power Distribution System	49	12-Oct-25	29-Nov-25	22-Mar-26	09-May-26	-233	0%
S3-SDB-DDA-2550	Approval of DDA Design of LV Power Distribution System	21	30-Nov-25	20-Dec-25	10-May-26	30-May-26	-233	0%
Electrical System - Control Wiring Diagram for LV Switchboard (DDA021C)								
S3-SDB-DDA-2560	Prepare & Submission of DDA Design of Control Wiring Diagram	30	01-Feb-25	12-Nov-25	10-Dec-24 A	30-Mar-26	-233	92.74%



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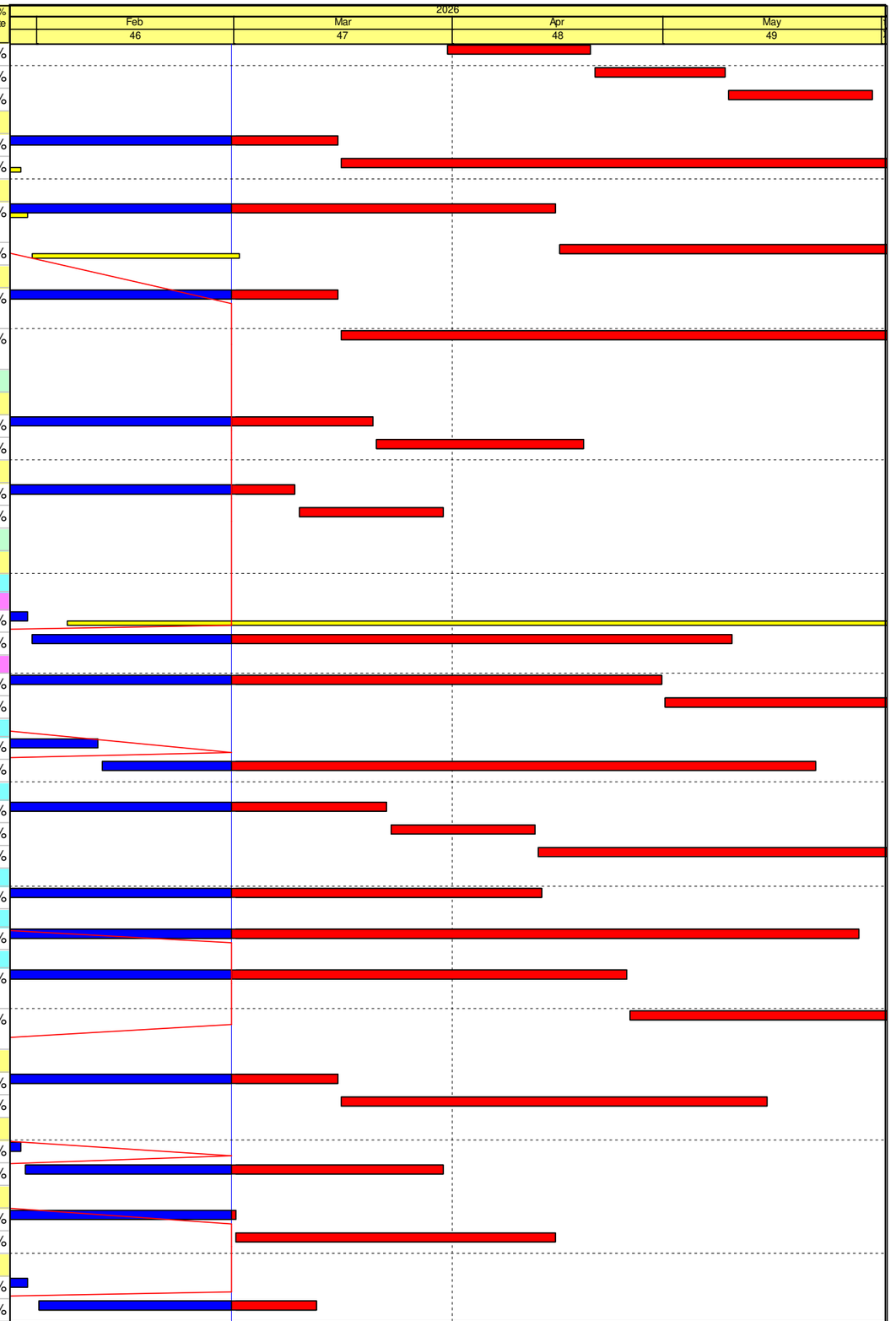
28-Feb-26	Rev.43	IM	JM

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R33)	BL Finish (DE/2020/01 RP R33)	Start	Finish	Total Float	Activity % Complete
S3-SDB-DDA-2570	Review & comment on DDA Design of Control Wiring Diagram	21	21-Sep-25	11-Oct-25	31-Mar-26	20-Apr-26	-233	0%
S3-SDB-DDA-2580	Re-submission of DDA Design of Control Wiring Diagram	19	12-Oct-25	29-Nov-25	21-Apr-26	09-May-26	-233	0%
S3-SDB-DDA-2590	Approval of DDA Design of Control Wiring Diagram	21	30-Nov-25	20-Dec-25	10-May-26	30-May-26	-233	0%
Biogas Pre-treatment System (DDA042)								
S3-SDB-DDA-2220	Re-submission of DDA Design of Biogas Pre-treatment System	15	21-Nov-25	08-Jan-26	21-Oct-25 A	15-Mar-26	-150	89.73%
S3-SDB-DDA-2230	Approval of DDA Design of Biogas Pre-treatment System	87	09-Jan-26	29-Jan-26	16-Mar-26	10-Jun-26	-150	0%
All Temporary Works and Diversion Works for Testing and Commissioning (DDA043)								
S3-SDB-DDA-2640	Prepare & Submission of DDA Design of All Temp. Works & Diversion for T&C	46	02-Nov-25	30-Jan-26	02-Nov-25 A	15-Apr-26	-205	72.12%
S3-SDB-DDA-2650	Approval of DDA Design of All Temp. Works & Diversion for T&C	56	31-Jan-26	01-Mar-26	16-Apr-26	10-Jun-26	-205	0%
Pipe support and O&M Platform Design Calculation (DDA044)								
S3-SDB-DDA-3020	Re-submission of DDA Design of Pipe Support and O&M Platform Design Calculation	15			15-Jan-26 A	15-Mar-26	-24	75%
S3-SDB-DDA-3030	Approval of DDA Design of Pipe Support and O&M Platform Design Calculation	87			16-Mar-26	10-Jun-26	-24	0%
Other Submission								
HAZOP Study Report								
S3-SDB-DDA-2790	Re-submission of HAZOP Study Report	20			15-Aug-25 A	20-Mar-26	-135	90.83%
S3-SDB-DDA-2800	Approval of HAZOP Study Report	30			21-Mar-26	19-Apr-26	-135	0%
Risk Assessment for Sludge Drying System								
S3-SDB-DDA-2860	Re-submission of Risk Assessment for Sludge Drying System	9			09-Aug-25 A	09-Mar-26	-115	95.77%
S3-SDB-DDA-2870	Approval of Risk Assessment for Sludge Drying System	21			10-Mar-26	30-Mar-26	-115	0%
Plant & Material Submission								
Sludge Dewatering and Drying System								
Sludge Dryer System								
Control Panel (ME0003D)								
S3-SDB-PMS-2180	Re-submission of Sludge Dryer System (Control Panel)	0	05-Feb-26	08-Jan-27	17-Aug-24 A	30-Jan-26 A		100%
S3-SDB-PMS-2190	Review & Approval of Sludge Dryer System (Control Panel)	71	21-Aug-25	04-Sep-25	31-Jan-26 A	10-May-26	-303	29%
Auxiliary Equipment in Sludge Drying System (ME003E)								
S3-SDB-PMS-1760	Prepare & Submission of Auxiliary Equipment in Sludge Drying System	61	01-Aug-25	29-Oct-25	28-Jul-25 A	30-Apr-26	-36	73.59%
S3-SDB-PMS-1790	Review & Approval of Auxiliary Equipment in Sludge Drying System	46	30-Dec-25	19-Jan-26	01-May-26	15-Jun-26	-36	0%
Sludge Feed Pump (ME006)								
S3-SDB-PMS-1660	Re-submission of Sludge Feed Pump	0	06-Sep-25	08-Oct-25	21-Oct-25 A	09-Feb-26 A		100%
S3-SDB-PMS-1670	Review & Approval of Sludge Feed Pump	83	09-Oct-25	29-Oct-25	10-Feb-26 A	22-May-26	-116	18.63%
Wet Sludge Hopper and Dried Sludge Silo (ME007)								
S3-SDB-PMS-1680	Prepare & Submission of Wet Sludge Hopper and Dried Sludge Silo	22	01-Feb-25	07-Sep-25	06-Jan-25 A	22-Mar-26	-289	92.99%
S3-SDB-PMS-1690	Review & comment on Wet Sludge Hopper and Dried Sludge Silo	21	21-Sep-25	11-Oct-25	23-Mar-26	12-Apr-26	-289	0%
S3-SDB-PMS-1700	Re-submission of Wet Sludge Hopper and Dried Sludge Silo	50	12-Oct-25	08-Dec-25	13-Apr-26	01-Jun-26	-289	0%
Dynamic Sludge Mixer (ME008)								
S3-SDB-PMS-1750	Review & Approval of Dynamic Sludge Mixer	44	11-Nov-25	01-Dec-25	21-Jan-26 A	13-Apr-26	-188	20%
Sludge Skips (ME009)								
S3-SDB-PMS-2200	Prepare & Submission of Sludge Skips	89			01-Oct-25 A	28-May-26	-233	58.02%
Digested Sludge Holding Tank Drain Pump and Polymer Pumps (ME022)								
S3-SDB-PMS-2220	Prepare & Submission of Digested Sludge Holding Tank Drain Pump and Polymer Pumps	56			12-Oct-25 A	25-Apr-26	-334	59.12%
S3-SDB-PMS-2230	Review & Approval of Digested Sludge Holding Tank Drain Pump and Polymer Pumps	46			26-Apr-26	10-Jun-26	-334	0%
Biogas Pre-treatment System (ME010)								
S3-SDB-PMS-1040	Prepare & Submission of Biogas Pre-treatment System	15	06-Feb-25	05-Oct-25	13-Jan-25 A	15-Mar-26	-214	96.49%
S3-SDB-PMS-1070	Review & Approval of Biogas Pre-treatment System	61	22-Nov-25	12-Dec-25	16-Mar-26	15-May-26	-214	0%
CHP Generator Set (ME011)								
S3-SDB-PMS-1080	Prepare & Submission of CHP Generator Set	0	01-Jun-25	28-Oct-25	09-May-25 A	29-Jan-26 A		100%
S3-SDB-PMS-1110	Review & Approval of CHP Generator Set	30	19-Nov-25	09-Dec-25	30-Jan-26 A	30-Mar-26	-330	50%
CHP Heat Recovery System (ME011D)								
S3-SDB-PMS-3580	Prepare & Submission of CHP Heat Recovery System	0			02-Jan-26 A	01-Mar-26	-278	100%
S3-SDB-PMS-3610	Review & Approval of CHP Heat Recovery System	46			01-Mar-26	15-Apr-26	-278	0%
Dual Fuel Steam Boiler System (ME013)								
S3-SDB-PMS-1120	Prepare & Submission of Dual Fuel Steam Boiler System	0	01-Feb-25	05-Aug-25	04-Jan-25 A	30-Jan-26 A		100%
S3-SDB-PMS-1130	Review & comment on Dual Fuel Steam Boiler System	12	25-Aug-25	14-Sep-25	01-Feb-26 A	12-Mar-26	-252	70%



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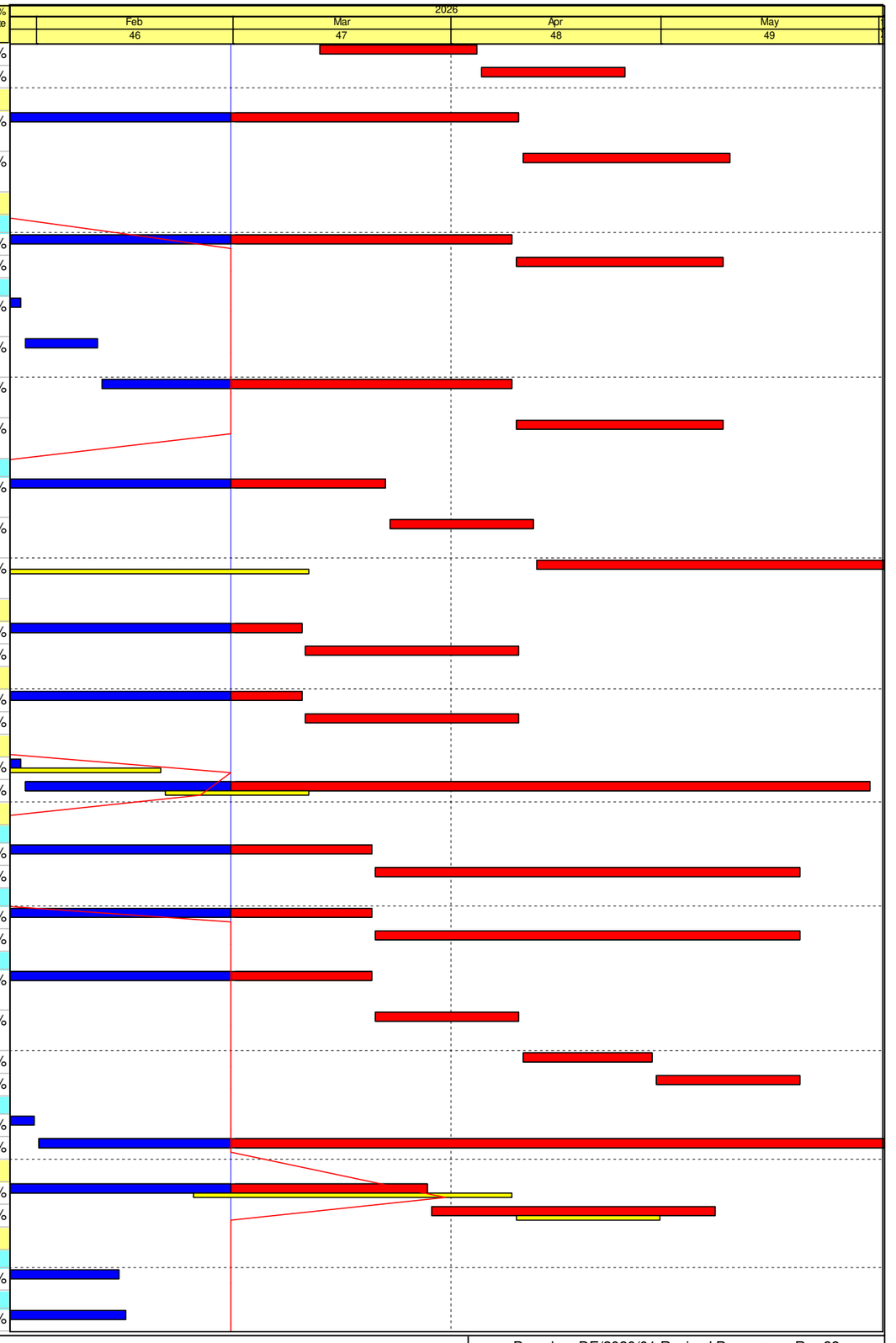
S3-SDB-PMS-1140	Re-submission of Dual Fuel Steam Boiler System	23	25-Sep-25	13-Nov-25	13-Mar-26	04-Apr-26	-252	0%
S3-SDB-PMS-1150	Review & Approval of Dual Fuel Steam Boiler System	21	14-Nov-25	04-Dec-25	05-Apr-26	25-Apr-26	-252	0%
Polyelectrolyte Preparation, Mixing, Transfer, Storage and Dosing System (ME016)								
S3-SDB-PMS-1160	Prepare & Submission of Polyelectrolyte Preparation, Mixing, Transfer, Storage & Dosing System	41	01-Feb-25	23-Oct-25	06-Jan-25 A	10-Apr-26	-176	91.09%
S3-SDB-PMS-1190	Review & Approval of Polyelectrolyte Preparation, Mixing, Transfer, Storage & Dosing System	30	06-Dec-25	26-Dec-25	11-Apr-26	10-May-26	-176	0%
Deodourisation System								
Deodourisation System (EL-Panel) (ME015B)								
S3-SDB-PMS-3300	Prepare & Submission of Deodourisation System (EL-Panel)	40			01-Oct-25 A	09-Apr-26	-74	72.79%
S3-SDB-PMS-3330	Review & Approval of Deodourisation System (EL-Panel)	30			10-Apr-26	09-May-26	-74	0%
DO system (Associate Pipework & Valve & Instrument & Discharge Stack) (ME019)								
S3-SDB-PMS-3340	Prepare & Submission of DO system (Associate Pipework & Valve & Instrumnt & Discharge Stack)	0			01-Oct-25 A	29-Jan-26 A		100%
S3-SDB-PMS-3350	Review & comment on DO system (Associate Pipework & Valve & Instrumnt & Discharge Stack)	0			30-Jan-26 A	09-Feb-26 A		100%
S3-SDB-PMS-3360	Re-submission of DO system (Associate Pipework & Valve & Instrumnt & Discharge Stack)	40			10-Feb-26 A	09-Apr-26	-74	32.2%
S3-SDB-PMS-3370	Review & Approval of DO system (Associate Pipework & Valve & Instrumnt & Discharge Stack)	30			10-Apr-26	09-May-26	-74	0%
Air Purifying System with Disinfection (SDB and ADB) (ME020)								
S3-SDB-PMS-1960	Prepare & Submission of Air Purifying System with Disinfection (SDB and ADB)	22	01-Feb-25	05-Jan-26	26-Jan-25 A	22-Mar-26	-210	94.77%
S3-SDB-PMS-1970	Review & comment on Air Purifying System with Disinfection (SDB and ADB)	21	31-Dec-25	20-Jan-26	23-Mar-26	12-Apr-26	-210	0%
S3-SDB-PMS-1980	Re-submission of Air Purifying System with Disinfection (SDB and ADB)	50	21-Jan-26	11-Mar-26	13-Apr-26	01-Jun-26	-210	0%
Lifting Appliance (ME017)								
S3-SDB-PMS-1300	Re-submission of Lifting Appliance	10	30-Aug-25	18-Oct-25	07-Jan-26 A	10-Mar-26	-413	84.13%
S3-SDB-PMS-1310	Review & Approval of Lifting Appliance	31	19-Oct-25	08-Nov-25	11-Mar-26	10-Apr-26	-413	0%
Valves and Actuators (DI) (ME021)								
S3-SDB-PMS-1340	Re-submission of Valves and Actuators (DI)	10	28-Oct-25	11-Dec-25	22-Jan-26 A	10-Mar-26	-187	79.17%
S3-SDB-PMS-1350	Review & Approval of Valves and Actuators (DI)	31	12-Dec-25	01-Jan-26	11-Mar-26	10-Apr-26	-187	0%
Chemical (uPVC) Pipes, Fittings and Accessories (ME023)								
S3-SDB-PMS-1420	Re-submission of uPVC Pipes, Fittings & Accessories	0	21-Jan-26	18-Feb-26	15-Oct-25 A	29-Jan-26 A		100%
S3-SDB-PMS-1430	Review & Approval of uPVC Pipes, Fittings & Accessories	91	19-Feb-26	11-Mar-26	30-Jan-26 A	30-May-26	-53	24.79%
SCADA and PLC system								
PLC Panel System (ICA001)								
S3-SDB-PMS-1460	Re-submission of PLC Panel system	20	02-Nov-25	06-Dec-25	11-Nov-25 A	20-Mar-26	-226	84.62%
S3-SDB-PMS-1470	Review & Approval of PLC Panel system	61	07-Dec-25	27-Dec-25	21-Mar-26	20-May-26	-226	0%
SCADA System (ICA002)								
S3-SDB-PMS-3400	Re-submission of SCADA system	20			11-Nov-25 A	20-Mar-26	-226	84.62%
S3-SDB-PMS-3410	Review & Approval of SCADA system	61			21-Mar-26	20-May-26	-226	0%
IDMS Workstation (ICA003)								
S3-SDB-PMS-3420	Prepare & Submission of IDMS Workstation, Master Switch and I/O module	20			10-Jan-26 A	20-Mar-26	-226	71.43%
S3-SDB-PMS-3430	Review & comment on IDMS Workstation, Master Switch and I/O module	21			21-Mar-26	10-Apr-26	-226	0%
S3-SDB-PMS-3440	Re-submission of IDMS Workstation, Master Switch and I/O module	19			11-Apr-26	29-Apr-26	-226	0%
S3-SDB-PMS-3450	Review & Approval of IDMS Workstation, Master Switch and I/O module	21			30-Apr-26	20-May-26	-226	0%
PQEMS (ICA004)								
S3-SDB-PMS-3480	Re-submission of PQEMS	0			11-Nov-25 A	31-Jan-26 A		100%
S3-SDB-PMS-3490	Review & Approval of PQEMS	102			01-Feb-26 A	10-Jun-26	-247	21.54%
Gas Detection System (ME026)								
S3-SDB-PMS-1500	Re-submission of Gas Detection System	28	23-Feb-26	09-Apr-26	18-Oct-25 A	28-Mar-26	-169	79.1%
S3-SDB-PMS-1510	Review & Approval of Gas Detection System	41	10-Apr-26	30-Apr-26	29-Mar-26	08-May-26	-169	0%
Instrumentation								
Pressure Switch and Pressure Transmitter (ICA005)								
S3-SDB-PMS-2270	Review & Approval of Pressure Switch and Pressure Transmitter	0			31-Dec-25 A	12-Feb-26 A		100%
Level Alarm Instruments (ICA007)								
S3-SDB-PMS-2350	Review & Approval of Level Alarm Instruments	0			23-Dec-25 A	13-Feb-26 A		100%



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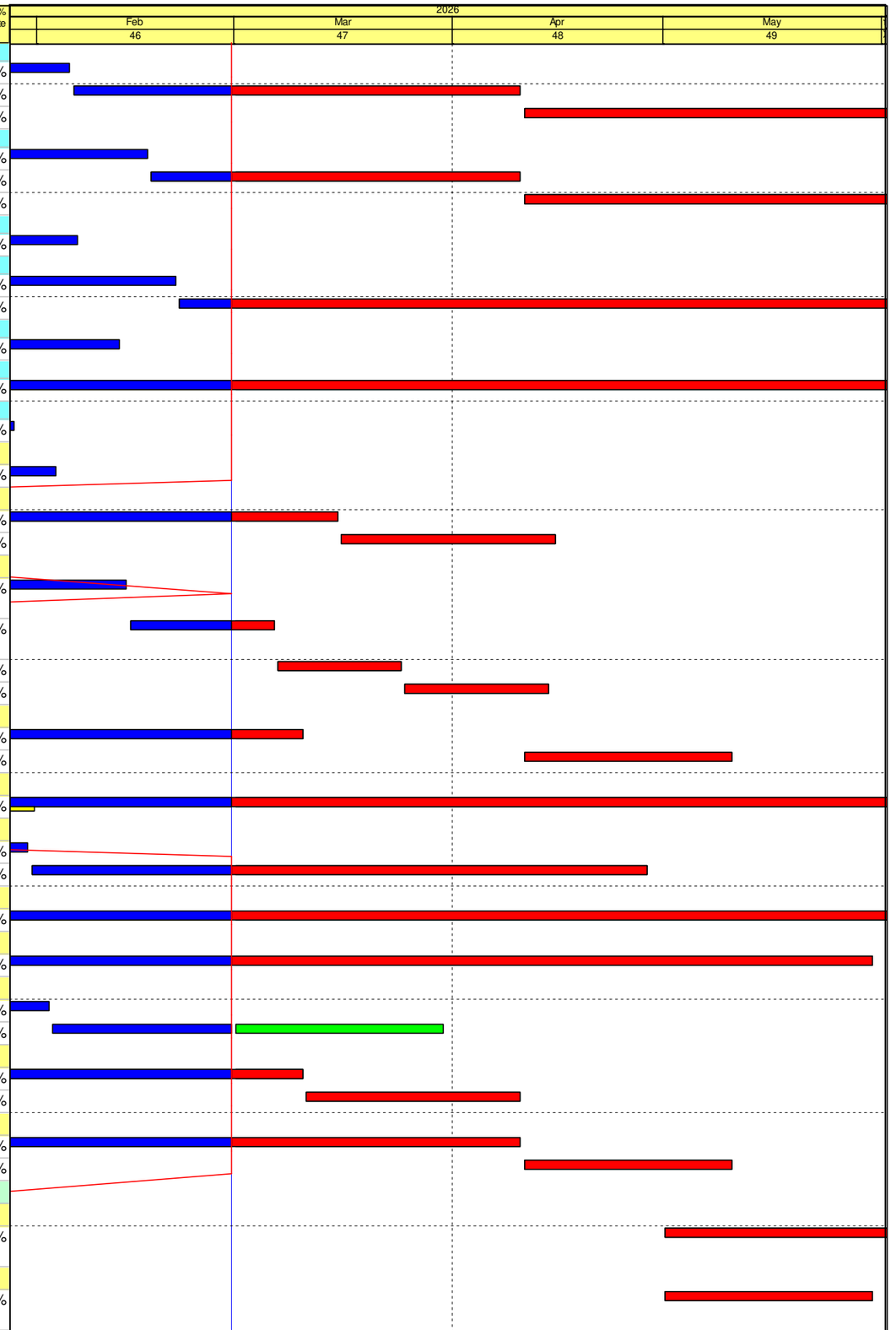
Electromagnetic and Flow Transmitter (ICA008)								
S3-SDB-PMS-2370	Review & comment on Electromagnetic and Flow Transmitter	0			17-Jan-26 A	05-Feb-26 A		100%
S3-SDB-PMS-2380	Re-submission of Electromagnetic and Flow Transmitter	41			06-Feb-26 A	10-Apr-26	-395	35.94%
S3-SDB-PMS-2390	Review & Approval of Electromagnetic and Flow Transmitter	122			11-Apr-26	10-Aug-26	-395	0%
Sight Glass (ICA009)								
S3-SDB-PMS-2410	Review & comment on Sight Glass	0			24-Jan-26 A	16-Feb-26 A		100%
S3-SDB-PMS-2420	Re-submission of Sight Glass	41			17-Feb-26 A	10-Apr-26	-395	22.64%
S3-SDB-PMS-2430	Review & Approval of Sight Glass	122			11-Apr-26	10-Aug-26	-395	0%
Flow Switch (ICA011)								
S3-SDB-PMS-2510	Review & Approval of Flow Switch	0			23-Dec-25 A	06-Feb-26 A		100%
Total Suspended Solid Instrument (ICA012)								
S3-SDB-PMS-2540	Re-submission of Total Suspended Solid Instrument	0			21-Oct-25 A	20-Feb-26 A		100%
S3-SDB-PMS-2550	Review & Approval of Total Suspended Solid Instrument	163			21-Feb-26 A	10-Aug-26	-395	4.68%
Temperature Monitoring Instruments (ICA013)								
S3-SDB-PMS-2590	Review & Approval of Temperature Monitoring Instruments	0			23-Dec-25 A	12-Feb-26 A		100%
Gas Detector Instruments (ICA015)								
S3-SDB-PMS-2670	Review & Approval of Gas Detector Instruments	163			25-Dec-25 A	10-Aug-26	-395	28.82%
Ultrasonic Level Sensor (ICA016)								
S3-SDB-PMS-2710	Review & Approval of Ultrasonic Level Sensor	0			23-Dec-25 A	28-Jan-26 A		100%
Air Ejector System (ME004)								
S3-SDB-PMS-1830	Review & Approval of Air Ejector System	0	29-Nov-25	19-Dec-25	08-Nov-25 A	03-Feb-26 A		100%
Sludge Conveyors (ME005)								
S3-SDB-PMS-1840	Prepare & Submission of Sludge Conveyors	15	01-Feb-25	05-Aug-25	21-Jan-25 A	15-Mar-26	-116	96.23%
S3-SDB-PMS-1870	Review & Approval of Sludge Conveyor	31	05-Dec-25	25-Dec-25	16-Mar-26	15-Apr-26	-116	0%
Sludge Heating System (Biogas Hot-Water Heater) (ME012)								
S3-SDB-PMS-1880	Prepare & Submission of Sludge Heating System (Biogas Hot-Water Heater)	0	01-May-25	27-Sep-25	15-Apr-25 A	13-Feb-26 A		100%
S3-SDB-PMS-1890	Review & comment on Sludge Heating System (Biogas Hot-Water Heater)	6	12-Sep-25	02-Oct-25	14-Feb-26 A	06-Mar-26	-251	71.43%
S3-SDB-PMS-1900	Re-submission of Sludge Heating System (Biogas Hot-Water Heater)	18	03-Oct-25	21-Nov-25	07-Mar-26	24-Mar-26	-251	0%
S3-SDB-PMS-1910	Review & Approval of Sludge Heating System (Biogas Hot-Water Heater)	21	22-Nov-25	12-Dec-25	25-Mar-26	14-Apr-26	-251	0%
Exhaust Gas Treatment System (ME014)								
S3-SDB-PMS-1920	Prepare & Submission of Exhaust Gas Treatment System	10	01-Jun-25	17-Oct-25	09-May-25 A	10-Mar-26	-76	96.73%
S3-SDB-PMS-1950	Review & Approval of Exhaust Gas Treatment System	30	05-Dec-25	25-Dec-25	11-Apr-26	10-May-26	-107	0%
Emergency Diesel Generator System (EL024)								
S3-SDB-PMS-2070	Review & Approval of Emergency Diesel Generator System	150	01-Jun-25	31-Jan-26	11-Oct-25 A	28-Jul-26	-338	25%
LVSB (EL008)								
S3-SDB-PMS-2740	Re-submission of LVSB	0			04-Dec-25 A	30-Jan-26 A		100%
S3-SDB-PMS-2750	Review & Approval of LVSB	59			31-Jan-26 A	28-Apr-26	-218	32.95%
UPS(EL025)								
S3-SDB-PMS-2850	Review & Approval of UPS	150			24-Sep-25 A	28-Jul-26	-218	51.3%
Scissor Platform spare plant for operation (ME029)								
S3-SDB-PMS-3240	Re-submission of Scissor Platform spare plant for operation	91			09-Dec-25 A	30-May-26	-401	18.75%
Chemical Anchors, Bolts, Nuts and Washer (ME024)								
S3-SDB-PMS-3200	Re-submission of Chemical Anchors, Bolts, Nuts & Washer	0			04-Oct-25 A	02-Feb-26 A		100%
S3-SDB-PMS-3210	Review & Approval of Chemical Anchors, Bolts, Nuts & Washer	30			03-Feb-26 A	30-Mar-26	51	46.43%
Permanent working platform & Pipe Support (ME028)								
S3-SDB-PMS-3520	Re-submission of Permanent working platform & Pipe Support	10			13-Dec-25 A	10-Mar-26	-3	87.18%
S3-SDB-PMS-3530	Review & Approval of Permanent working platform & Pipe Support	31			11-Mar-26	10-Apr-26	-3	0%
Valve and Actuator (SS) (BS023)								
S3-SDB-PMS-3540	Prepare & Submission of Valves and Actuators (SS)	41			01-Dec-25 A	10-Apr-26	-217	50%
S3-SDB-PMS-3570	Review & Approval of Valves and Actuators (SS)	30			11-Apr-26	10-May-26	-217	0%
Method Statement								
Sludge Mixing System								
S3-SDB-MS-1000	Prepare & Submission of method statement of installation of Sludge Mixing System	45	30-Oct-25	13-Dec-25	01-May-26	14-Jun-26	-190	0%
Deodorisation Unit/System								
S3-SDB-MS-1520	Prepare & Submission of method statement of installation of Deodorisation Unit/System	30	16-Nov-25	15-Dec-25	01-May-26	30-May-26	-195	0%



Remaining Work
Critical Activity
Milestone
Actual Progress
RP Rev.33
RP Rev.33 MS
Actual Milestone

Contract No. DE/2020/01
Yuen Long Effluent Polishing Plant - E&M Works for Sludge Dewatering Building, Administration Building and Renewable Energy
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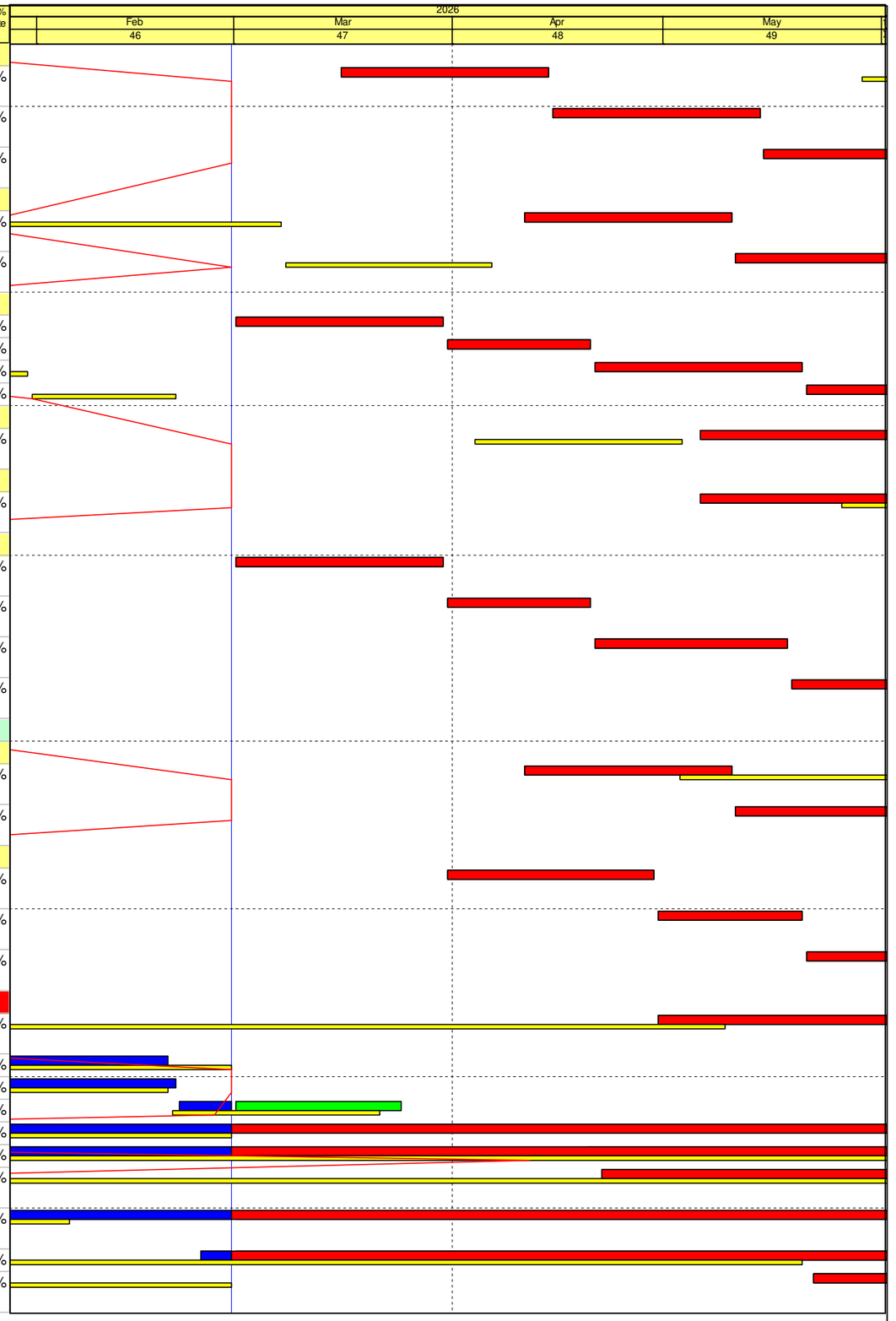
31-Dec-25	Rev.41	IM	JM
31-Jan-26	Rev.42	IM	JM
28-Feb-26	Rev.43	IM	JM

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R33)	BL Finish (DE/2020/01 RP R33)	Start	Finish	Total Float	Activity % Complete
Air Purifier System with Disinfection								
S3-SDB-MS-1560	Prepare & Submission of method statement of installation of Air Purifier System with Disinfection	30	29-May-26	27-Jun-26	16-Mar-26	14-Apr-26	-73	0%
S3-SDB-MS-1570	Review & comment on method statement of installation of Air Purifier System with Disinfection	30	28-Jun-26	27-Jul-26	15-Apr-26	14-May-26	-73	0%
S3-SDB-MS-1580	Re-submission of method statement of installation of Air Purifier System with Disinfection	30	28-Jul-26	26-Aug-26	15-May-26	13-Jun-26	-73	0%
Lifting Appliance								
S3-SDB-MS-1600	Prepare & Submission of method statement of installation of Lifting Appliance	30	21-Jan-26	07-Mar-26	11-Apr-26	10-May-26	-379	0%
S3-SDB-MS-1610	Review & comment on method statement of installation of Lifting Appliance	30	08-Mar-26	06-Apr-26	11-May-26	09-Jun-26	-379	0%
Fire Services System								
S3-SDB-MS-2000	Prepare & Submission of method statement of installation of FS system	30	11-Nov-25	10-Dec-25	01-Mar-26	30-Mar-26	-248	0%
S3-SDB-MS-2010	Review & comment on method statement of installation of FS system	21	11-Dec-25	31-Dec-25	31-Mar-26	20-Apr-26	-248	0%
S3-SDB-MS-2020	Re-submission of method statement of installation of FS system	30	01-Jan-26	30-Jan-26	21-Apr-26	20-May-26	-248	0%
S3-SDB-MS-2030	Approval of method statement of installation of FS system	21	31-Jan-26	20-Feb-26	21-May-26	10-Jun-26	-248	0%
MVAC System (with effluent cooling system)								
S3-SDB-MS-2040	Prepare & Submission of method statement of installation of MVAC System (with effluent cooling system)	30	04-Apr-26	03-May-26	06-May-26	04-Jun-26	-258	0%
P&D System								
S3-SDB-MS-2080	Prepare & Submission of method statement of installation of P&D System	30	26-May-26	24-Jun-26	06-May-26	04-Jun-26	-192	0%
Earthing & Lightning Protection System								
S3-SDB-MS-2640	Prepare & Submission of method statement of Earthing & Lightning Protection System	30	12-Sep-25	11-Oct-25	01-Mar-26	30-Mar-26	-24	0%
S3-SDB-MS-2650	Review & comment on method statement of Earthing & Lightning Protection System	21	12-Oct-25	01-Nov-25	31-Mar-26	20-Apr-26	-24	0%
S3-SDB-MS-2660	Re-submission of method statement of Earthing & Lightning Protection System	28	02-Nov-25	29-Nov-25	21-Apr-26	18-May-26	-24	0%
S3-SDB-MS-2670	Approval of method statement of Earthing & Lightning Protection System	21	30-Nov-25	20-Dec-25	19-May-26	08-Jun-26	-24	0%
SAT / T&C procedure								
Lifting Appliance								
S3-SDB-SAT-1600	Prepare & Submission of SAT/ T&C Procedure (with Test Form) of Lifting Appliance	30	03-May-26	01-Jun-26	11-Apr-26	10-May-26	-153	0%
S3-SDB-SAT-1610	Review & comment on SAT/ T&C Procedure (with Test Form) of Lifting Appliance	30	02-Jun-26	01-Jul-26	11-May-26	09-Jun-26	-153	0%
Earthing & Lightning Protection System								
S3-SDB-SAT-2680	Prepare & Submission of T&C Plan (include FAT & SAT) of Earthing & Lightning Protection System	30	12-Oct-25	10-Nov-25	31-Mar-26	29-Apr-26	-16	0%
S3-SDB-SAT-2690	Review & comment on T&C Plan (include FAT & SAT) of Earthing & Lightning Protection System	21	11-Nov-25	01-Dec-25	30-Apr-26	20-May-26	-16	0%
S3-SDB-SAT-2700	Re-submission of T&C Plan (include FAT & SAT) of Earthing & Lightning Protection System	28	02-Dec-25	29-Dec-25	21-May-26	17-Jun-26	-16	0%
Manufacture, FAT & Delivery of Major Equipment								
S3-SDB-MD-1000	Manufacture with FAT (4 months) & Delivery(1 months) of Lifting Appliance	154	09-Nov-25	09-May-26	30-Apr-26*	30-Sep-26	-432	0%
S3-SDB-MD-1010	Manufacture of Dewatering Centrifuge	0	01-Jun-25	28-Feb-26	23-May-25 A	19-Feb-26 A		100%
S3-SDB-MD-1020	FAT for Dewatering Centrifuge	0	21-Jan-26	19-Feb-26	22-Jan-26 A	20-Feb-26 A		100%
S3-SDB-MD-1030	Delivery of Dewatering Centrifuge	24	20-Feb-26	21-Mar-26	21-Feb-26 A	24-Mar-26	57	20%
S3-SDB-MD-1040	Manufacture of Dryer Centrifuge	162	01-Jun-25	28-Feb-26	10-Nov-25 A	09-Aug-26	-69	40.66%
S3-SDB-MD-1070	Manufacture of Paddle Dryer	122	31-Aug-25	01-Aug-26	19-Aug-25 A	19-Aug-26	-135	66.67%
S3-SDB-MD-1100	Manufacture with FAT (5 months) & Delivery(1 month) of Dynamic Sludge Mixer	184	02-Dec-25	02-Sep-26	22-Apr-26*	22-Oct-26	-197	0%
S3-SDB-MD-1110	Manufacture with FAT (5 months) & Delivery(1 month) of Screw Conveyor	110	05-Sep-25	05-Feb-26	19-Dec-25 A	18-Jun-26	-43	39.56%
S3-SDB-MD-1120	Manufacture with FAT (5 months) & Delivery(1 month) of Air Ejector	177	20-Dec-25	20-May-26	24-Feb-26 A	24-Aug-26	-117	2.75%
S3-SDB-MD-1134	Manufacture with FAT (2 months) & Delivery(1 month) of Sludge Feed Pump	92	30-Oct-25	28-Feb-26	22-May-26	21-Aug-26	-116	0%



Remaining Work
Critical Activity
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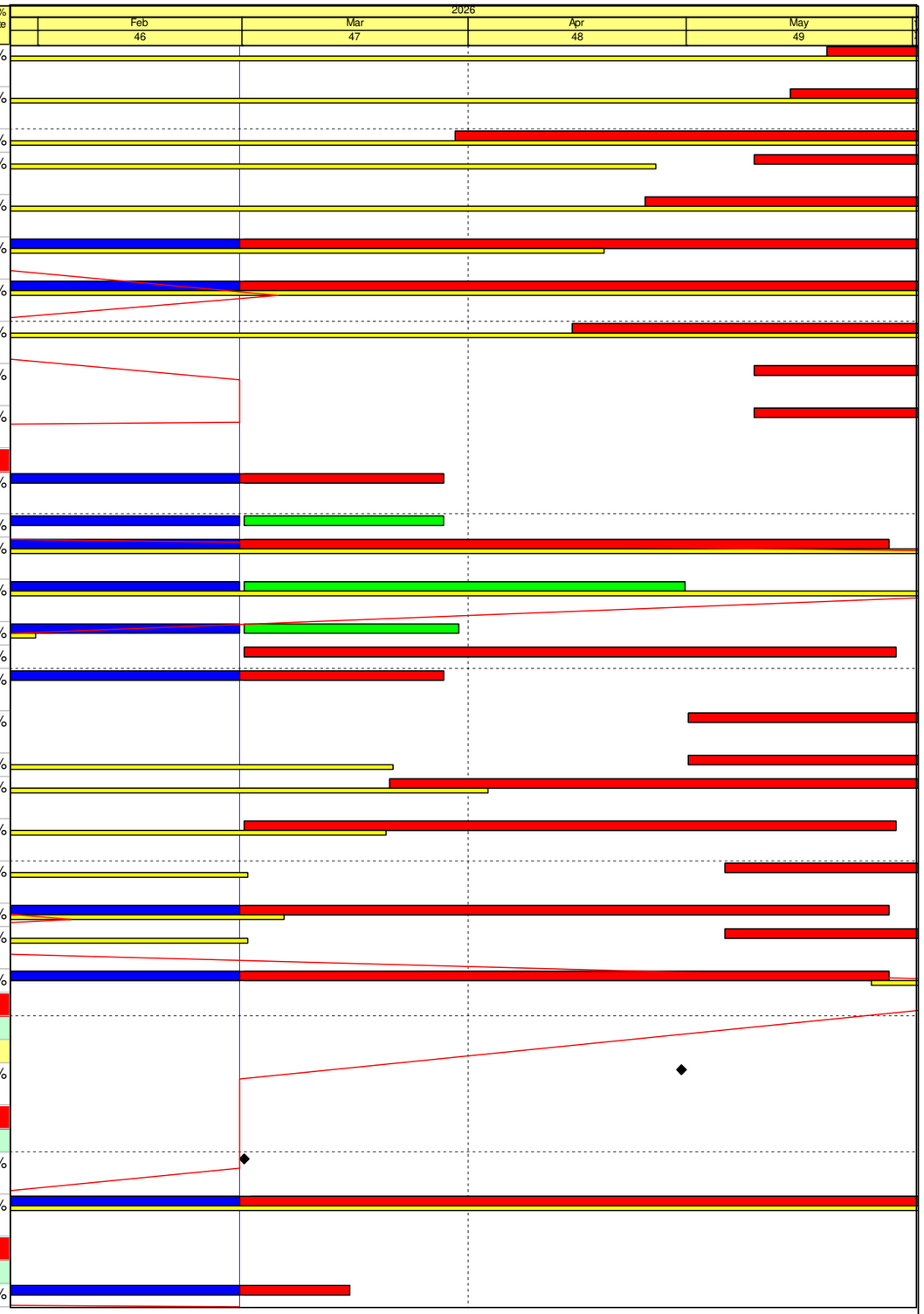
31-Dec-25	Rev.41	IM	JM
31-Jan-26	Rev.42	IM	JM
28-Feb-26	Rev.43	IM	JM

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R33)	BL Finish (DE/2020/01 RP R33)	Start	Finish	Total Float	Activity % Complete
S3-SDB-MD-1138	Manufacture with FAT (6 months) & Delivery(1 month) of Sludge Heating System - Heat Exchanger and Recirculation System	215	13-Dec-25	13-Jul-26	20-May-26*	20-Dec-26	-287	0%
S3-SDB-MD-1140	Manufacture with FAT (6 months) & Delivery(1 month) of Biogas Pre-treatment System	215	13-Dec-25	13-Jul-26	15-May-26*	15-Dec-26	-214	0%
S3-SDB-MD-1150	Manufacture with FAT (11 months) & Delivery(1 month) of CHP System	366	10-Dec-25	10-Feb-27	30-Mar-26*	30-Mar-27	-330	0%
S3-SDB-MD-1155	Manufacture with FAT (3 months) & Delivery(1 month) of Exhaust Gas Treatment System	123	26-Dec-25	26-Apr-26	10-May-26	09-Sep-26	-107	0%
S3-SDB-MD-1160	Manufacture with FAT (6 months) & Delivery(1 month) of Steam Boiler System	276	05-Dec-25	04-Sep-26	25-Apr-26	25-Jan-27	-252	0%
S3-SDB-MD-1180	Manufacture with FAT (6 months) & Delivery(1 month) of Deodorisation System	150	19-Nov-25	19-Apr-26	29-Dec-25 A	28-Jul-26	-154	29.25%
S3-SDB-MD-1290	Manufacture with FAT (7 months) & Delivery(1 month) of Off Gas Condenser System	98	11-Oct-25	11-Jun-26	06-Oct-25 A	06-Jun-26	-31	59.84%
S3-SDB-MD-1300	Manufacture with FAT (3 months) & Delivery(1 month) of Sludge Conveyors	185	26-Dec-25	26-Jun-26	15-Apr-26	16-Oct-26	-116	0%
S3-SDB-MD-1310	Manufacture with FAT (5 months) & Delivery(1 month) of Valves and Actuator (DI)	185			10-May-26*	10-Nov-26	-217	0%
S3-SDB-MD-1315	Manufacture with FAT (5 months) & Delivery(1 month) of Valves and Actuator (SS)	185			10-May-26	10-Nov-26	-217	0%
Interfacing Works								
S3-SDB-IFW-1000	Interface Works with Other Contract (including: Slab / Wall openings, Concrete Plinths, Cast-in Item, etc)	28	01-Jan-23	27-Feb-23	01-Feb-25 A	28-Mar-26	-273	93.35%
S3-SDB-IFW-1010	Design submission with Interface Works on Plant Services Water	28	01-Jun-25	05-Nov-25	24-Aug-25 A	28-Mar-26	41	87.1%
S3-SDB-IFW-1020	Design Submission with Interface Works on Biogas Pipes & Hot Water Pipes Connections	89	12-Dec-25	31-Aug-26	25-Apr-25 A	28-May-26	-81	77.69%
S3-SDB-IFW-1030	Design Submission with Interface Works on Digested Sludge Pipes Connection	61	01-May-25	10-Jul-26	15-Jan-24 A	30-Apr-26	84	92.71%
S3-SDB-IFW-1040	Design Submission with Interface Works on Process Water Treatment	30	01-May-25	31-Jan-26	29-Jan-25 A	30-Mar-26	39	92.96%
S3-SDB-IFW-1060	Design Submission with Interface Works on Centrate & Filtrate Pipes	90	16-Oct-25	13-Jan-26	01-Mar-26	29-May-26	-158	0%
S3-SDB-IFW-1080	Design Submission with Interface Works on Digested Sludge Holding Tank Drain Pipe	28	01-Aug-24	10-Sep-25	24-Aug-25 A	28-Mar-26	-25	87.1%
S3-SDB-IFW-1090	Design Submission with Interface Works on Provisions in LV Switchroom at SDB	90	21-Aug-25	18-Nov-25	01-May-26	29-Jul-26	-295	0%
S3-SDB-IFW-1100	Design Submission with Interface Works on PQEMS	90	19-Jun-25	21-Mar-26	01-May-26	29-Jul-26	-295	0%
S3-SDB-IFW-1110	Design Submission with Interface Works on Cable Routing between SDB & ADB(LV)	90	02-Jul-25	03-Apr-26	21-Mar-26	18-Jun-26	-254	0%
S3-SDB-IFW-1150	Design Submission with Interface Works on Shared Fresh Air intake for SDB loading & unloading level	90	21-Dec-25	20-Mar-26	01-Mar-26	29-May-26	-180	0%
S3-SDB-IFW-1160	Design Submission with Interface Works on Sprinkler Water, Fire Hydrant & Hose Reel Water Main.	90	02-Dec-25	01-Mar-26	06-May-26	03-Aug-26	-246	0%
S3-SDB-IFW-1170	Design Submission with Interface Works on Emergency Generator Set	89	02-Jun-25	06-Mar-26	06-Feb-24 A	28-May-26	-270	89.44%
S3-SDB-IFW-1180	Design Submission with Interface Works on Connection between Local Fire Alarm Indication, local & master control panel	90	02-Dec-25	01-Mar-26	06-May-26	03-Aug-26	-201	0%
S3-SDB-IFW-1190	Design Submission with Interface Works on Plumbing & Drainage	89	26-May-26	23-Aug-26	17-Dec-25 A	28-May-26	-51	45.4%
E&M Installation								
External Area								
Utilities Corridor								
S3-UC-IN-1020	Tentative Access Date for Utilities Corridor (UC4) (According to the interface meeting with C1)	0	01-Mar-27		30-Apr-26*		-15	0%
Testing and Commissioning								
SAT								
S3-SDB-TC-1215	Provision of Drainage Pipe (Provided by C1) (According to Interface Meeting with C1)	0			01-Mar-26*		253	0%
S3-SDB-TC-1237	Application for on-grid connection to CLP include Renewable Energy (CHP and Solar PV System)	178	02-Jun-25	24-Jun-26	12-Mar-25 A	06-Oct-26	-128	54.71%
Statutory Submission, Inspection & Approval								
Electrical and Mechanical Services Department								
S3-SDB-SS-1200	BEEO Stage one: Submit EE1 & EE-SU to EMSD	15	01-Aug-25	29-Sep-25	17-Oct-25 A	15-Mar-26	-247	87.7%



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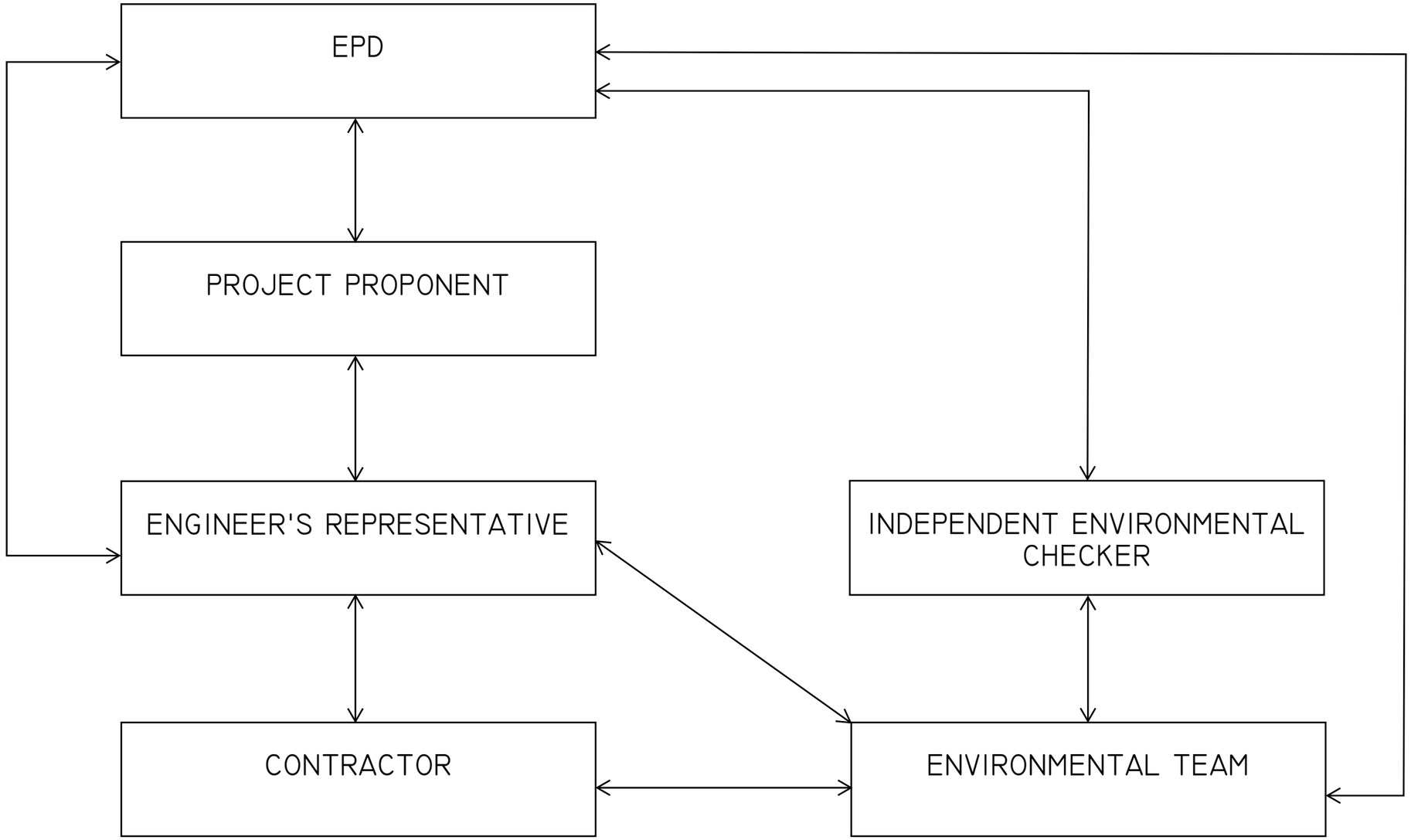
Appendix B
Project Organization Chart

LEGEND:

LINE OF COMMUNICATION



Project Management Initials: Designer: Checked: Approved: ISO A1 594mm x 841mm

Plot File by: Chanwa 5/28/2018
PATH: p:\projects\60505476\drawing\report\EM&A\EM&A_702.dgn

AECOM

PROJECT
項目

YUEN LONG EFFLUENT POLISHING PLANT - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT
業主

渠務署
Drainage Services Department

CONSULTANT
工程顧問公司

AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS
分判工程顧問公司

ISSUE/REVISION
修訂

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核對

STATUS
狀況

SCALE 比例: A3 1 : 40000

DIMENSION UNIT 尺寸單位: METRES

KEY PLAN
索引圖

PROJECT NO. 項目編號: 60505476

CONTRACT NO. 合約編號: CE 3/2015 (DS)

SHEET TITLE
圖紙名稱

PROJECT ORGANISATION

SHEET NUMBER
圖紙編號

Appendix C
Action and Limit Levels

Action and Limit Levels for Air Quality

Parameters	Action Level	Limit Level
1-hour TSP Level in µg/m^3	[1]For baseline level $\leqslant$ 384 µg/m^3, Action level = (baseline level * 1.3 + Limit level)/2; For baseline level > 384 µg/m^3, Action level = Limit level	500 µg/m^3

Notes:
1. The Action Level for 1-hour TSP Level:
a) AM1 = (63*1.3 + 500) / 2 = 291 µg/m^3;
b) AM2 = (70*1.3 + 500) / 2 = 296 µg/m^3.

Action and Limit Levels for Construction Noise

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

Notes:
1. If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.
2. Correction of +3 dB(A) shall be made to the free field measurements.

Action and Limit Levels for Water Quality

Parameters	Action Levels	Limit Levels
Construction Phase Water Quality Monitoring		
DO in mg/L (Surface, Middle & Bottom) [2]	Surface & Middle 5%-ile of baseline data for surface and middle layer. Bottom 5%-ile of baseline data for bottom layer.	Surface & Middle 4 mg/L or 1%-ile of baseline data for surface and middle layer. Bottom 2 mg/L or 1%-ile of baseline data for bottom layer.
SS in mg/L (depth-averaged [1]) [3]	95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day	99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day
Turbidity in NTU (depth-averaged [1]) [3]	95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day	99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day

Notes:
1. "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths;
2. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits;
3. For SS and turbidity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits

Action and Limit Levels for Ecology

Active Ardeid Night Roost Survey

As there are no specific guidelines on noise thresholds for roosting ardeids, the Action and Limit levels specified in below table were based on study conducted on exploring behavioural responses of shorebirds to impulsive noise (Wright et al. 2010).

Time Period	Action Level	Limit Level
after 17:30 during dry season after 18:00 during wet season	65.5 dB(A)[1]	72.2 dB(A)[2]

Notes:
1. Behavioural response of some kind more likely to occur
2. Flight with abandonment of the site becomes the most likely outcome of the disturbance

Ecological Monitoring of Birds

Method	Parameters	Action Level[3]	Limit Level[3]
Transect	Abundance of all avifauna species (including but not only limited to overwintering waterbirds) in the community	Significant decline[1,2] in any of these parameters during the current monitoring month relative to the corresponding month during the baseline survey.	Significant decline in any of these parameters for three consecutive months.
	Species diversity of all avifauna species (including but not only limited to overwintering waterbirds) in the community		
	Abundance of species with conservation importance only		
	Species diversity of species with conservation importance only		
Point Count	Abundance of all avifauna species (including but not only limited to overwintering waterbirds) in the community		
	Species diversity of all avifauna species (including but not only limited to overwintering waterbirds) in the community		
	Abundance of species with conservation importance only		
	Species diversity of species with conservation importance only		

Notes:
1. Significant decline in abundance will be determined using two-tailed t-test, $\alpha = 0.05$.
2. Significant decline in species diversity will be determined using the Hutcheson t-test, two tailed.
3. Response will be triggered if any of the above level is reached for each parameter

Appendix D
Calibration Certificates/ Reports of Monitoring Equipment

Air Quality Monitoring Equipment

Aurecon Hong Kong Limited
Unit 1608, 16/F, Tower B, Manulife Financial Centre,
223 – 231 Wai Yip Street, Kwun Tong,
Kowloon Hong Kong S. A. R

Certification of Calibration

Information of Unit-under-test (UUT)

Date of Calibration:	**15-Feb-26**	Next Calibration Date:	**15-Feb-27**
UUT Manufacturer:	SIBATA Scientific Technology Ltd	UUT Model No.:	LD-5R
UUT Serial No.:	851816	Report Reference No.:	RPT-25-HVS-017-26
Calibration Location:	W-A6, Man Cheong Building		

Information of Reference Equipment

Reference Equipment Manufacturer:	Tisch Environmental	Tisch Environmental
Reference Equipment Model No.:	TE-5170X	TE-5025A
Reference Equipment Serial No.:	1050	4166
Last Calibration Date:	4-Feb-26	8-May-25
Next Calibration Date:	18-Feb-26	8-May-26

Calibration of 1-Hour TSP Result

Calibration Point	Results from UUT	Results from Standard Equipment
	Mass Concentration (µg/m^3) X-axis	Reference Concentration (µg/m^3) Y-axis
1	81	83
2	51	65
3	43	55
4	46	60
5	36	37
6	13	17
Average	45	53

Linear Regression of Y on X

Slope, mv: **1.0037** Intercept: **7.6675** *Correlation Coefficient: **0.9637**

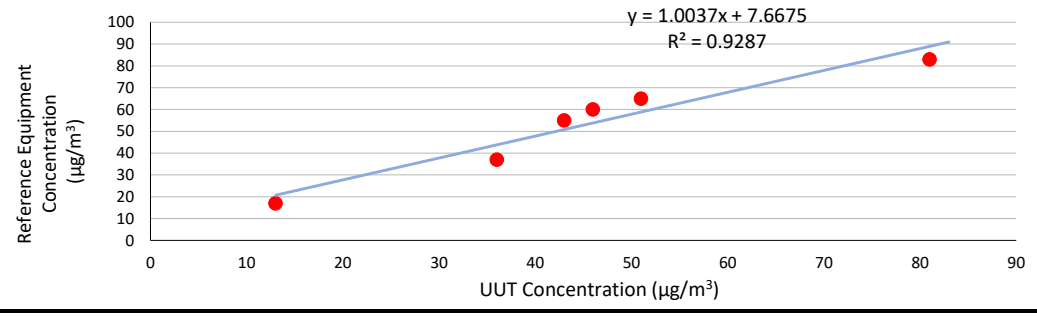
Verification Test Result: Strong Correlation, Results were accepted.

* If the Correlation Coefficient < 0.90, check and recalibrate.

Set Calibration Factor

Particulate Concentration by Reference Equipment (µg/m^3):	53
Particulate Concentration by UUT (µg/m^3):	45
Measuring Time, (min):	60
K Factor = High Volume Sampler / UUT, (µg/m^3):	1.17

Correlation Curve



Operated By: Andy Li
Project Technician,
Environmental

Signature:

Date: 25-02-2026

Aurecon Hong Kong Limited
Unit 1608, 16/F, Tower B, Manulife Financial Centre,
223 – 231 Wai Yip Street, Kwun Tong,
Kowloon Hong Kong S. A. R

Certification of Calibration

Information of Unit-under-test (UUT)

Date of Calibration:	**15-Feb-26**	Next Calibration Date:	**15-Feb-27**
UUT Manufacturer:	SIBATA Scientific Technology Ltd	UUT Model No.:	LD-5R
UUT Serial No.:	882106	Report Reference No.:	RPT-25-HVS-018-26
Calibration Location:	W-A6, Man Cheong Building		

Information of Reference Equipment

Reference Equipment Manufacturer:	Tisch Environmental	Tisch Environmental
Reference Equipment Model No.:	TE-5170X	TE-5025A
Reference Equipment Serial No.:	1050	4166
Last Calibration Date:	4-Feb-26	8-May-25
Next Calibration Date:	18-Feb-26	8-May-26

Calibration of 1-Hour TSP Result

Calibration Point	Results from UUT	Results from Standard Equipment
	Mass Concentration (µg/m^3) X-axis	Reference Concentration (µg/m^3) Y-axis
1	68	83
2	52	65
3	48	55
4	51	60
5	35	37
6	15	17
Average	45	53

Linear Regression of Y on X

Slope, mv: **1.2705** Intercept: **-4.1281** *Correlation Coefficient: **0.9945**

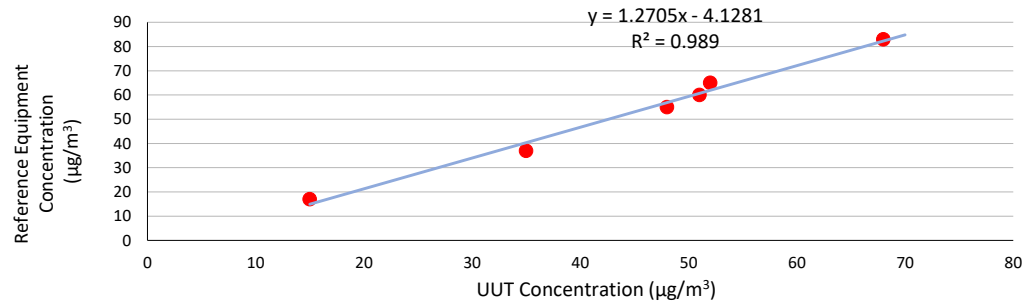
Verification Test Result: Strong Correlation, Results were accepted.

* If the Correlation Coefficient < 0.90, check and recalibrate.

Set Calibration Factor

Particulate Concentration by Reference Equipment (µg/m^3):	53
Particulate Concentration by UUT (µg/m^3):	45
Measuring Time, (min):	60
K Factor = High Volume Sampler / UUT, (µg/m^3):	1.18

Correlation Curve



Operated By: Andy Li
Project Technician, Environmental

Signature:

Date: 25-02-2026

Noise Quality Monitoring Equipment

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***RION***
Type No.:	***NL-53 (Serial No.: 01130783)***
Microphone:	***UC-59 (Serial No.: 25498)***
Preamplifier:	***NH-25 (Serial No.:33674)***

Submitted by:

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

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

☑ **Within (31.5Hz – 4kHz)**
☐ **Outside**

the allowable tolerance.

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

Date of receipt: 26 February 2025

Date of calibration: 27 February 2025

Date of NEXT calibration: 26 February 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 27 February 2025

Certificate No.: APJ24-154-CC002

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

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

1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Conditions:*

Air Temperature:	25.8 °C
Air Pressure:	1006 hPa
Relative Humidity:	54.9 %

3. *Calibration Equipment:*

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

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

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

Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dB SPL	Fast	94	31.5	94.2	±2.0
				63	94.1	±1.5
				125	94.1	±1.5
				250	94.0	±1.4
				500	94.0	±1.4
				1000	94.0	Ref
				2000	93.6	±1.6
				4000	92.5	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	31.5	54.7	-39.4 ±2.0
				63	67.9	-26.2 ±1.5
				125	78.0	-16.1 ±1.5
				250	85.4	-8.6 ±1.4
				500	90.8	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.8	+1.2 ±1.6
				4000	93.5	+1.0 ±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBC SPL	Fast	94	31.5	91.2	-3.0 ±2.0
				63	93.3	-0.8 ±1.5
				125	93.9	-0.2 ±1.5
				250	94.1	-0.0 ±1.4
				500	94.0	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.4	-0.2 ±1.6
				4000	91.7	-0.8 ±1.6

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

5. *Calibration Results Applied*

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

Uncertainties of Applied Value:

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

The uncertainties are evaluated for a 95% confidence level.

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

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

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***RION***
Type No.:	***NL-53 (Serial No.: 01130784)***
Microphone:	***UC-59 (Serial No.: 24908)***
Preamplifier:	***NH-25 (Serial No.:33675)***

Submitted by:

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

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

☑ **Within (31.5Hz – 4kHz)**
☐ **Outside**

the allowable tolerance.

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

Date of receipt: 26 February 2025

Date of calibration: 27 February 2025

Date of NEXT calibration: 26 February 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 27 February 2025

Certificate No.: APJ24-154-CC003

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

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

1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Conditions:*

Air Temperature: 25.8 °C
Air Pressure: 1006 hPa
Relative Humidity: 54.9 %

3. *Calibration Equipment:*

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

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

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

Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dB SPL	Fast	94	31.5	94.2	±2.0
				63	94.2	±1.5
				125	94.2	±1.5
				250	94.1	±1.4
				500	94.1	±1.4
				1000	94.0	Ref
				2000	93.7	±1.6
				4000	92.5	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	31.5	54.9	-39.4 ±2.0
				63	68.0	-26.2 ±1.5
				125	78.0	-16.1 ±1.5
				250	85.5	-8.6 ±1.4
				500	90.8	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.9	+1.2 ±1.6
				4000	93.5	+1.0 ±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBC SPL	Fast	94	31.5	91.2	-3.0 ±2.0
				63	93.4	-0.8 ±1.5
				125	94.0	-0.2 ±1.5
				250	94.1	-0.0 ±1.4
				500	94.1	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.5	-0.2 ±1.6
				4000	91.7	-0.8 ±1.6

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

5. *Calibration Results Applied*

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

Uncertainties of Applied Value:

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

The uncertainties are evaluated for a 95% confidence level.

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

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

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***RION***
Type No.:	***NL-53 (Serial No.: 01130785)***
Microphone:	***UC-59 (Serial No.: 25374)***
Preamplifier:	***NH-25 (Serial No.:33676)***

Submitted by:

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

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

☑ **Within (31.5Hz – 4kHz)**
☐ **Outside**

the allowable tolerance.

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

Date of receipt: 26 February 2025

Date of calibration: 27 February 2025

Date of NEXT calibration: 26 February 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 27 February 2025

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

Certificate No.: APJ24-154-CC001

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

1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Conditions:*

Air Temperature:	25.8 °C
Air Pressure:	1006 hPa
Relative Humidity:	54.9 %

3. *Calibration Equipment:*

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

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

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

Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dB SPL	Fast	94	31.5	94.3	±2.0
				63	94.1	±1.5
				125	94.1	±1.5
				250	94.1	±1.4
				500	94.0	±1.4
				1000	94.0	Ref
				2000	93.7	±1.6
				4000	92.6	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	31.5	54.8	-39.4 ±2.0
				63	68.0	-26.2 ±1.5
				125	78.0	-16.1 ±1.5
				250	85.4	-8.6 ±1.4
				500	90.8	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.9	+1.2 ±1.6
				4000	93.6	+1.0 ±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBC SPL	Fast	94	31.5	91.2	-3.0 ±2.0
				63	93.3	-0.8 ±1.5
				125	93.9	-0.2 ±1.5
				250	94.1	-0.0 ±1.4
				500	94.1	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.5	-0.2 ±1.6
				4000	91.8	-0.8 ±1.6

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

5. *Calibration Results Applied*

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

Uncertainties of Applied Value:

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

The uncertainties are evaluated for a 95% confidence level.

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

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

Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***34724244***

Submitted by:

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

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

☑ **Within**
☐ **Outside**

the allowable tolerance.

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

Date of receipt: 10 July 2025

Date of calibration: 11 July 2025

Date of NEXT calibration: 10 July 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 11 July 2025

Certificate No.: APJ25-045-CC001

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

1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

Air Temperature:	24.6 **°C**
Air Pressure:	1006 **hPa**
Relative Humidity:	57.5 **%**

4. *Calibration Equipment:*

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

5. *Calibration Results*

5.1 Sound Pressure Level

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

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

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

Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***34724245***

Submitted by:

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

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

☑ **Within**
☐ **Outside**

the allowable tolerance.

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

Date of receipt: 10 July 2025

Date of calibration: 11 July 2025

Date of NEXT calibration: 10 July 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 11 July 2025

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

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

1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

Air Temperature:	24.6 °C
Air Pressure:	1006 hPa
Relative Humidity:	57.5 %

4. *Calibration Equipment:*

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

5. *Calibration Results*

5.1 Sound Pressure Level

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

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

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

Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***35124530***

Submitted by:

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

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

☑ **Within**
☐ **Outside**

the allowable tolerance.

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

Date of receipt: 10 July 2025

Date of calibration: 11 July 2025

Date of NEXT calibration: 10 July 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 11 July 2025

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

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

1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

Air Temperature:	24.6 **°C**
Air Pressure:	1006 **hPa**
Relative Humidity:	57.5 **%**

4. *Calibration Equipment:*

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

5. *Calibration Results*

5.1 Sound Pressure Level

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

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

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Water Quality Monitoring Equipment

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	JOE HO	**WORK ORDER:**	HK2602713
CLIENT:	AURECON HONG KONG LIMITED		
ADDRESS:	UNIT 1608, 16/F, TOWER B, MANULIFE FINANCIAL CENTRE, 223-231 WAI YIP STREET, KWUN TONG, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	16-Jan-2026
		DATE OF ISSUE:	27-Jan-2026

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.
The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.
The validity of equipment/ meter performance only applies to the result(s) stated in the report.
This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [ProDSS]
Serial No./ Equipment No.:	[24G101659]/ [N/A]
Date of Calibration:	23-January-2026

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2602713

SUB-BATCH: 0
DATE OF ISSUE: 27-Jan-2026
CLIENT: AURECON HONG KONG LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [24G101659]/ [N/A]
Date of Calibration: 23-January-2026 Date of Next Calibration: 23-April-2026

PARAMETERS:

Conductivity **Method Ref: APHA (23rd edition), 2510B**

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	148.6	+1.2
6667	6363	-4.6
12890	12320	-4.4
58670	56188	-4.2
	Tolerance Limit (%)	±10.0

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.79	2.90	+0.11
4.90	4.88	-0.02
7.13	7.02	-0.11
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.88	-0.12
7.0	7.08	+0.08
10.0	9.95	-0.05
	Tolerance Limit (pH unit)	±0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2602713

SUB-BATCH: 0
DATE OF ISSUE: 27-Jan-2026
CLIENT: AURECON HONG KONG LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [24G101659]/ [N/A]
Date of Calibration: 23-January-2026 Date of Next Calibration: 23-April-2026

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.38	--
4	4.29	+7.3
40	41.66	+4.1
80	79.81	-0.2
400	384.16	-4.0
800	779.23	-2.6
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.77	-2.3
20	19.29	-3.6
30	29.57	-1.4
	Tolerance Limit (%)	±10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2602713

SUB-BATCH: 0
DATE OF ISSUE: 27-Jan-2026
CLIENT: AURECON HONG KONG LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [ProDSS]
Serial No./ Equipment No.: [24G101659]/ [N/A]
Date of Calibration: 23-January-2026 Date of Next Calibration: 23-April-2026

PARAMETERS:

Temperature **Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.**

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.5	10.8	+0.3
23.5	23.7	+0.2
39.0	38.9	-0.1
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

-------- END OF REPORT --------

Appendix E
Environmental Monitoring Schedule

Project: Contract No. SPW 01/2025Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Environmental Monitoring Schedule (February 2026)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
1	2	3 **AQM, NM, WQM, ANRM, EMB** (Night) Mid Flood (17:01) Mid Ebb (09:30)	4	5 **WQM** Mid Flood (08:33) Mid Ebb (14:27)	6	7 **WQM** Mid Flood (09:09) Mid Ebb (13:29)
8	9 **AQM, NM**	10 **WQM** Mid Flood (11:07) Mid Ebb (16:21)	11	12 **WQM, EMB** (Day) Mid Flood (16:40) Mid Ebb (08:54)	13	14 **AQM, WQM** Mid Flood (16:27) Mid Ebb (11:25)
15	16	17 **WQM** Mid Flood (18:04) Mid Ebb (11:24)	18	19 **WQM** Mid Flood (08:34) Mid Ebb (12:53)	20 **AQM, NM**	21 **WQM** Mid Flood (08:29) Mid Ebb (14:14)
22	23	24 **WQM** Mid Flood (11:29) Mid Ebb (16:17)	25	26 **AQM, NM, WQM** Mid Flood (17:01) Mid Ebb (09:30)	27	28 **WQM** Mid Flood (08:29) Mid Ebb (14:14)

Remarks:

1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
2. Air Quality Monitoring (**AQM**): 3 x 1-hour TSP Monitoring per 6 days.
3. Noise Monitoring (**NM**): Leq (30 min) during between 0700 - 1900.
4. Water Quality Monitoring (**WQM**): Once per day for 3 days per week.
5. Ecological Monitoring of Birds (**EMB**): Once per month.
6. Ardeid Night Roost Monitoring (**ANRM**): Once per month.
7. Air Quality Location: AM1 and AM2.
8. Noise Monitoring Location: CM1, CM2 and CM3.
9. Water Quality Monitoring Location: M1, M2, M3.

Project: Contract No. SPW 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Environmental Monitoring Schedule (March 2026)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
1	2	3 **WQM,** Mid Flood (17:01) Mid Ebb (09:30)	4 **AQM, NM, EMB (Day)**	5 **WQM** Mid Flood (08:33) Mid Ebb (14:27)	6	7 **WQM** Mid Flood (09:09) Mid Ebb (13:29)
8	9	10 **WQM, AQM, NM** Mid Flood (11:07) Mid Ebb (16:21)	11	12 **WQM** Mid Flood (16:40) Mid Ebb (08:54)	13	14 **WQM** Mid Flood (16:27) Mid Ebb (11:25)
15	16 **AQM, NM, ANRM**	17 **WQM** Mid Flood (18:04) Mid Ebb (11:24)	18	19 **WQM** Mid Flood (08:34) Mid Ebb (12:53)	20	21 **WQM, AQM** Mid Flood (08:29) Mid Ebb (14:14)
22	23	24 **WQM** Mid Flood (11:29) Mid Ebb (16:17)	25	26 **WQM** Mid Flood (17:01) Mid Ebb (09:30)	27 **AQM, NM**	28 **WQM** Mid Flood (08:29) Mid Ebb (14:14)
29	30	31 **WQM** Mid Flood (08:10) Mid Ebb (14:07)				

Remarks:

1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
2. Air Quality Monitoring (**AQM**): 3 x 1-hour TSP Monitoring per 6 days.
3. Noise Monitoring (**NM**): Leq (30 min) during between 0700 - 1900.
4. Water Quality Monitoring (**WQM**): Once per day for 3 days per week.
5. Ecological Monitoring of Birds (**EMB**): Once per month.
6. Ardeid Night Roost Monitoring (**ANRM**): Once per month.
7. Air Quality Location: AM1 and AM2.
8. Noise Monitoring Location: CM1, CM2 and CM3.
9. Water Quality Monitoring Location: M1, M2, M3.

Appendix F
Environmental Monitoring Results

Air Quality Monitoring Results

1-hour TSP Monitoring Result for

Contract No. SPW 02/2023

Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

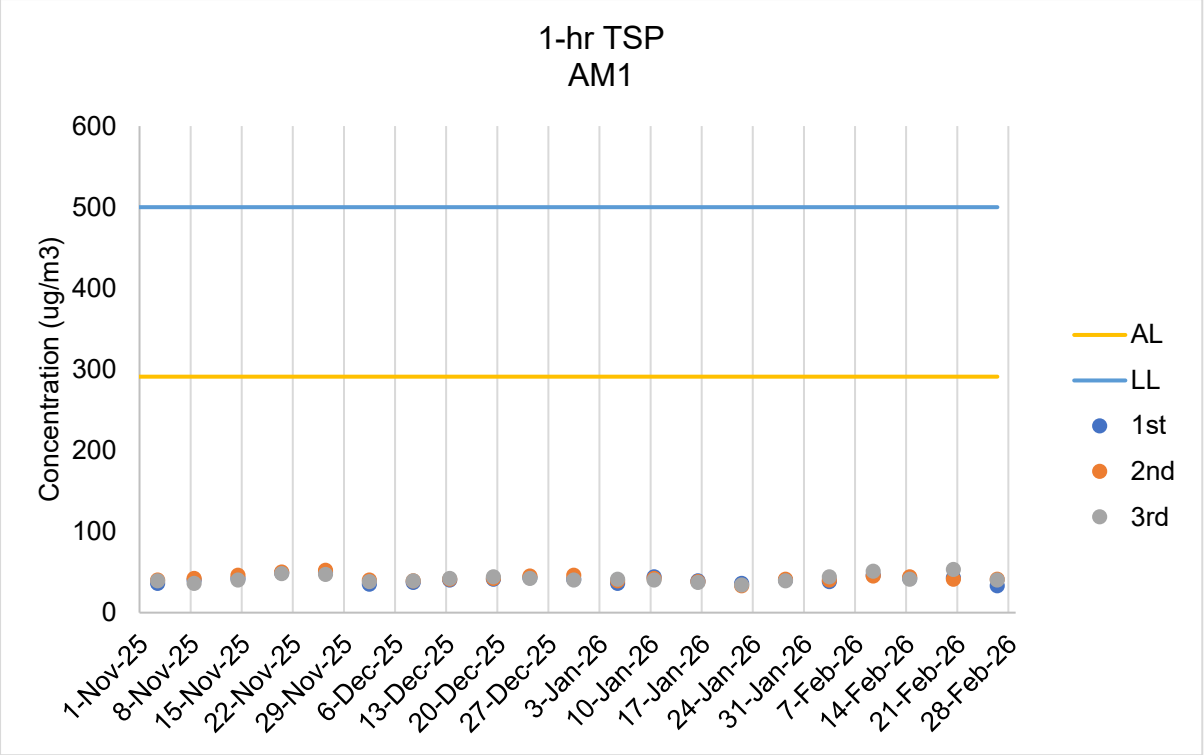
AM1 - Topfine Machinery (China) Co. Ltd.

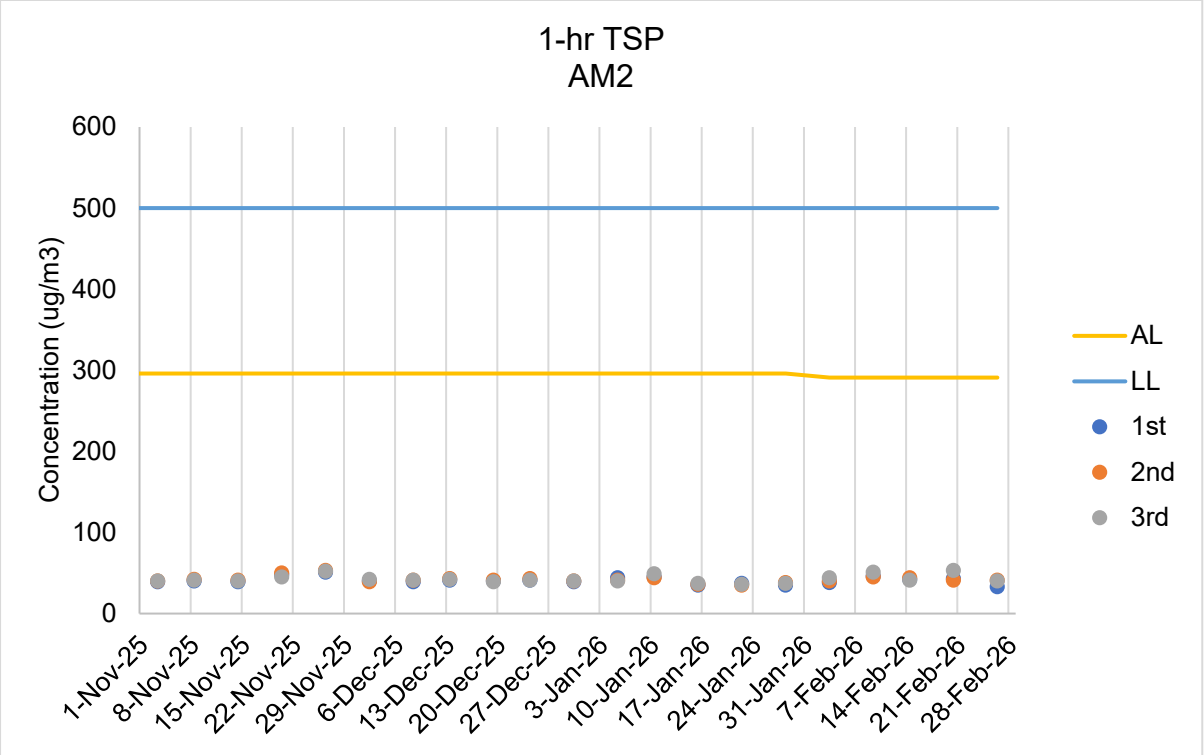
Date	Weather Condition	Start Time	1-hour TSP (μg/m³) 1st Measurement	2nd Measurement	3rd Measurement	Action Level (ug/m^3)	Limit Level (ug/m^3)
3/2/2026	Fine	8:03	38	40	44	291	500
9/2/2026	Fine	8:34	46	45	51		
14/2/2026	Fine	8:11	42	44	41		
20/2/2026	Fine	8:22	43	41	53		
26/2/2026	Fine	8:05	33	41	40		
		Min	33				
		Max	53				
		Average	43				

AM2 - Squatter house at the west of Yuen Long STW

Date	Weather Condition	Start Time	1-hour TSP (μg/m³) 1st Measurement	2nd Measurement	3rd Measurement	Action Level (ug/m^3)	Limit Level (ug/m^3)
3/2/2026	Fine	13:01	40	42	39	296	500
9/2/2026	Fine	14:02	45	46	48		
14/2/2026	Fine	13:13	41	43	39		
20/2/2026	Fine	13:24	45	44	47		
26/2/2026	Fine	14:00	40	41	42		
		Min	39				
		Max	48				
		Average	43				

Note:
Underline: Exceedance of Action Level
Underline and Bold: Exceedance of Limit Level





Air Quality Monitoring Results

Noise Monitoring Results

Noise Impact Monitoring Result for
Contract No. SPW 01/2025
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

CM1 - Squatter house to the north of YLSTW

Date	Start Time	L_{eq} 30min dB(A)	L_{10} dB(A)	L_{90} dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
3/2/2026	9:22	60.2	61.5	59.3	1.7	Fine	75
9/2/2026	9:53	61.0	62.0	59.5	2.5	Fine	75
20/2/2026	9:41	65.0	64.0	63.0	0.0	Fine	75
26/2/2026	9:26	56.6	60.9	56.8	0.3	Fine	75
	Max	65.0					
	Min	56.6					

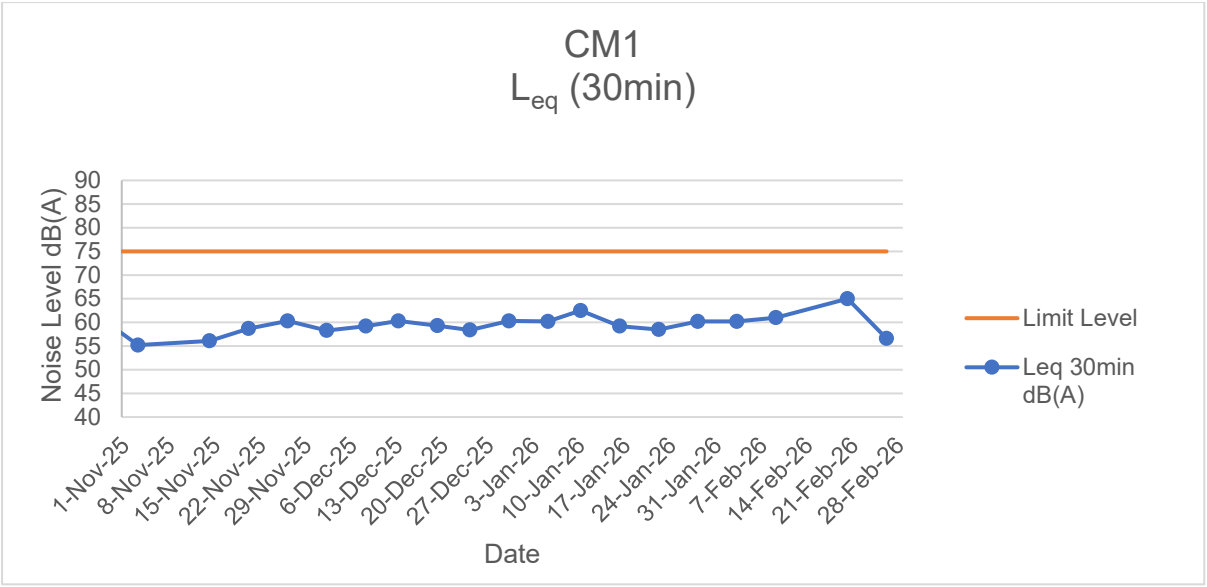
CM2 - Squatter house to the west of YLSTW

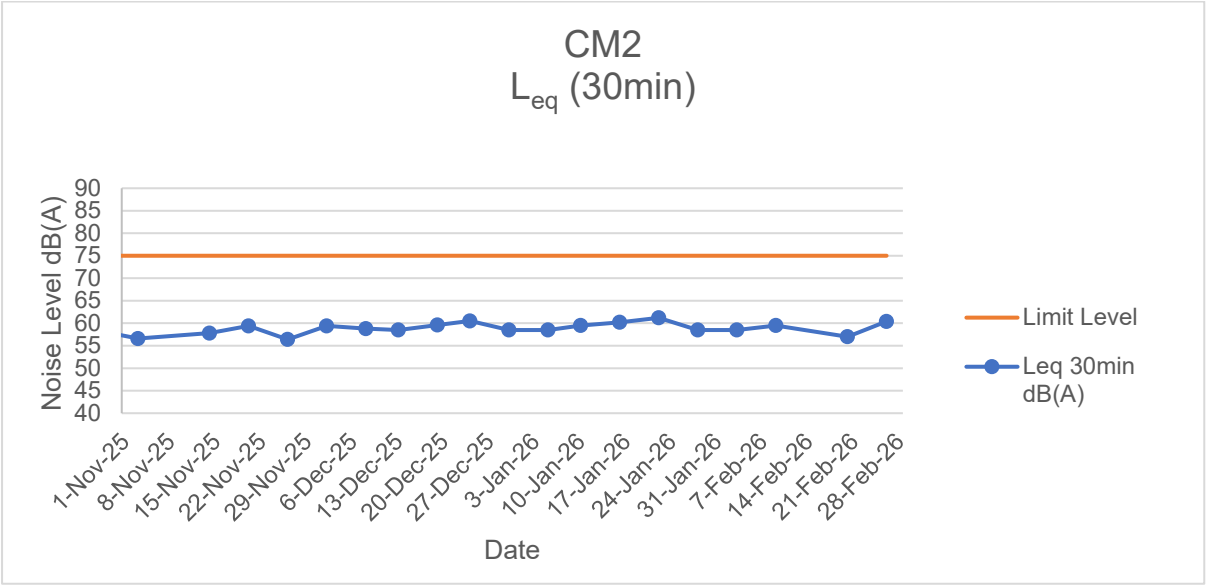
Date	Start Time	L_{eq} 30min dB(A)	L_{10} dB(A)	L_{90} dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
3/2/2026	14:07	58.5	60.2	57.5	0.8	Fine	75
9/2/2026	15:08	59.5	58.5	58.2	1.4	Fine	75
20/2/2026	14:24	57.0	59.4	57.8	1.7	Fine	75
26/2/2026	15:08	60.4	61.2	60.2	1.1	Fine	75
	Max	60.4					
	Min	57.0					

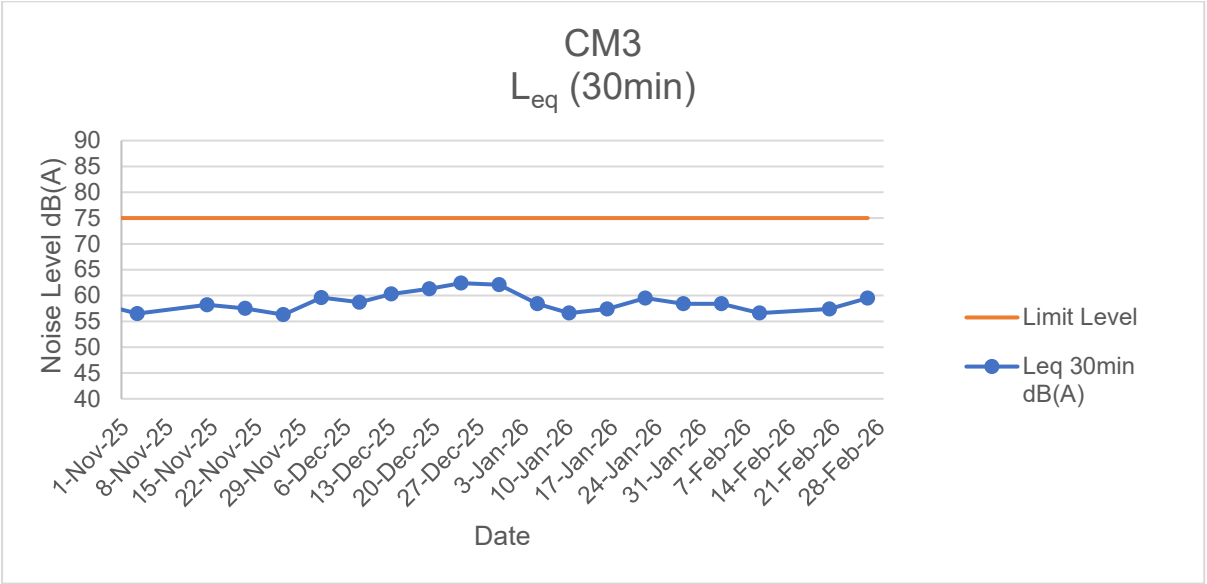
CM3 - Squatter house to the east of YLSTW

Date	Start Time	L_{eq} 30min dB(A)	L_{10} dB(A)	L_{90} dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
3/2/2026	10:34	58.4	60.2	55.2	1.1	Fine	75
9/2/2026	11:02	56.6	58.5	56.9	2.5	Fine	75
20/2/2026	10:16	57.4	59.4	55.4	1.4	Fine	75
26/2/2026	10:13	59.5	61.2	54.8	1.4	Fine	75
	Max	59.5					
	Min	56.6					

Note:
CM1, CM2 and CM3: Free-field measurement (+3dB(A) correction has been applied).
No raining or wind with speed over 5 m/s was observed during noise monitoring according to the onsite observation.







Noise Monitoring Results

Water Quality Monitoring Results

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	3/2/2026	Mid-Flood	Cloudy	Low	14:32	2.4	M	1.20	1	0.088	168.123	7.12	7.12	2.89	2.87	20.6	20.60	39.7	39.10	2.9	2.86	22.11	22.065	26	26
M1	3/2/2026	Mid-Flood	Cloudy	Low	14:32	2.4	M	1.20	2			7.11		2.84		20.6		38.5		2.81		22.02		25	
M2	3/2/2026	Mid-Flood	Cloudy	Low	14:52	2.1	M	1.05	1	0.09	161.372	7.11	7.12	2.82	2.79	20.6	20.65	39.9	39.60	2.91	2.89	20.94	21.05	36	34
M2	3/2/2026	Mid-Flood	Cloudy	Low	14:52	2.1	M	1.05	2			7.12		2.75		20.7		39.3		2.87		21.16		32	
M3	3/2/2026	Mid-Flood	Cloudy	Low	15:11	1.9	M	0.95	1	0.089	178.264	7.15	7.14	3.31	3.28	20.6	20.65	50.4	50.50	3.68	3.69	32.58	32.365	84	76
M3	3/2/2026	Mid-Flood	Cloudy	Low	15:11	1.9	M	0.95	2			7.13		3.24		20.7		50.6		3.69		32.15		67	
M1	3/2/2026	Mid-Ebb	Cloudy	Low	9:38	2.5	M	1.25	1	0.061	332.137	7.12	7.12	2.76	2.79	20.5	20.55	37.7	36.80	2.75	2.69	22.32	22.175	71	62
M1	3/2/2026	Mid-Ebb	Cloudy	Low	9:38	2.5	M	1.25	2			7.11		2.82		20.6		35.9		2.62		22.03		53	
M2	3/2/2026	Mid-Ebb	Cloudy	Low	9:13	2.3	M	1.15	1	0.061	317.221	7.12	7.11	2.79	2.83	20.5	20.50	38.4	37.35	2.8	2.73	21.36	21.535	56	54
M2	3/2/2026	Mid-Ebb	Cloudy	Low	9:13	2.3	M	1.15	2			7.1		2.86		20.5		36.3		2.65		21.71		52	
M3	3/2/2026	Mid-Ebb	Cloudy	Low	10:00	2	M	1.00	1	0.061	307.777	7.17	7.17	3.42	3.45	20.5	20.50	51.5	50.50	3.76	3.69	31.88	31.99	77	71
M3	3/2/2026	Mid-Ebb	Cloudy	Low	10:00	2	M	1.00	2			7.17		3.48		20.5		49.5		3.61		32.1		64	

Remark

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
2. Red and Bold: Limit Level Exceedance (For Impact Station Only)
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.
4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	74.7	80.925

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	5/2/2026	Mid-Flood	Cloudy	Low	15:40	2.4	M	1.20	1	0.093	170.681	7.12	7.12	2.93	2.95	20.6	20.65	38.2	38.90	2.75	2.80	21.11	21.16	20	22
M1	5/2/2026	Mid-Flood	Cloudy	Low	15:40	2.4	M	1.20	2			7.12		2.96		20.7		39.6		2.85		21.21		24	
M2	5/2/2026	Mid-Flood	Cloudy	Low	16:05	2.1	M	1.05	1	0.094	175.321	7.12	7.12	2.81	2.79	20.6	20.60	38.9	39.10	2.8	2.82	21.93	21.85	66	71
M2	5/2/2026	Mid-Flood	Cloudy	Low	16:05	2.1	M	1.05	2			7.12		2.77		20.6		39.3		2.83		21.77		75	
M3	5/2/2026	Mid-Flood	Cloudy	Low	16:30	1.9	M	0.95	1	0.094	165.411	7.15	7.15	3.28	3.25	20.6	20.60	51.2	51.50	3.68	3.71	29.50	29.345	28	27
M3	5/2/2026	Mid-Flood	Cloudy	Low	16:30	1.9	M	0.95	2			7.14		3.22		20.6		51.8		3.73		29.19		25	
M1	5/2/2026	Mid-Ebb	Cloudy	Low	10:29	2.5	M	1.25	1	0.07	324.299	7.13	7.14	2.70	2.71	20.5	20.55	38.4	37.85	2.76	2.72	22.45	22.495	30	33
M1	5/2/2026	Mid-Ebb	Cloudy	Low	10:29	2.5	M	1.25	2			7.14		2.71		20.6		37.3		2.68		22.54		35	
M2	5/2/2026	Mid-Ebb	Cloudy	Low	10:04	2.3	M	1.15	1	0.075	307.409	7.12	7.12	2.73	2.77	20.5	20.55	39.3	38.90	2.83	2.80	21.64	21.605	88	74
M2	5/2/2026	Mid-Ebb	Cloudy	Low	10:04	2.3	M	1.15	2			7.12		2.8		20.6		38.5		2.77		21.57		59	
M3	5/2/2026	Mid-Ebb	Cloudy	Low	10:54	2	M	1.00	1	0.077	305.248	7.17	7.16	3.54	3.52	20.5	20.50	51.2	50.90	3.68	3.66	30.37	30.245	72	71
M3	5/2/2026	Mid-Ebb	Cloudy	Low	10:54	2	M	1.00	2			7.15		3.49		20.5		50.6		3.64		30.12		70	

Remark

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
2. Red and Bold: Limit Level Exceedance (For Impact Station Only)
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.
4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	86.7	93.925

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	7/2/2026	Mid-Flood	Cloudy	Low	16:41	2.4	M	1.20	1	0.078	162.615	7.12	7.13	2.92	2.88	20.8	20.80	40.3	39.55	2.88	2.83	20.74	20.715	6	6
M1	7/2/2026	Mid-Flood	Cloudy	Low	16:41	2.4	M	1.20	2			7.13		2.84		20.8		38.8		2.77		20.69		6	
M2	7/2/2026	Mid-Flood	Cloudy	Low	17:00	2.2	M	1.10	1	0.079	185.824	7.11	7.12	2.84	2.89	20.8	20.85	38.5	39.05	2.75	2.79	20.86	20.655	5	7
M2	7/2/2026	Mid-Flood	Cloudy	Low	17:00	2.2	M	1.10	2			7.13		2.93		20.9		39.6		2.83		20.45		8	
M3	7/2/2026	Mid-Flood	Cloudy	Low	17:16	2	M	1.00	1	0.084	174.554	7.15	7.15	3.27	3.28	20.8	20.80	51.5	51.35	3.68	3.67	33.73	33.665	3	4
M3	7/2/2026	Mid-Flood	Cloudy	Low	17:16	2	M	1.00	2			7.14		3.28		20.8		51.2		3.66		33.6		4	
M1	7/2/2026	Mid-Ebb	Cloudy	Low	11:00	2.5	M	1.25	1	0.079	306.028	7.12	7.12	2.82	2.86	20.5	20.50	38.9	39.40	2.78	2.82	21.46	21.49	6	7
M1	7/2/2026	Mid-Ebb	Cloudy	Low	11:00	2.5	M	1.25	2			7.11		2.89		20.5		39.9		2.85		21.52		8	
M2	7/2/2026	Mid-Ebb	Cloudy	Low	10:38	2.2	M	1.10	1	0.067	309.171	7.12	7.12	2.75	2.80	20.5	20.55	38.9	39.10	2.84	2.86	21.79	21.735	4	4
M2	7/2/2026	Mid-Ebb	Cloudy	Low	10:38	2.2	M	1.10	2			7.12		2.84		20.6		39.3		2.87		21.68		4	
M3	7/2/2026	Mid-Ebb	Cloudy	Low	11:20	2	M	1.00	1	0.079	326.191	7.17	7.16	3.43	3.48	20.5	20.55	54.0	53.25	3.94	3.89	34.78	34.925	2.5	4
M3	7/2/2026	Mid-Ebb	Cloudy	Low	11:20	2	M	1.00	2			7.15		3.52		20.6		52.5		3.83		35.07		5	

Remark

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5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	10/2/2026	Mid-Flood	Sunny	Low	15:58	2.6	M	1.30	1	0.087	181.259	7.08	7.08	3.03	3.07	20.5	20.55	39.5	39.55	2.88	2.89	21.90	21.705	10	12
M1	10/2/2026	Mid-Flood	Sunny	Low	15:58	2.6	M	1.30	2			7.08		3.1		20.6		39.6		2.89		21.51		13	
M2	10/2/2026	Mid-Flood	Sunny	Low	16:21	2.3	M	1.15	1	0.074	186.165	7.07	7.06	2.82	2.81	20.5	20.55	38.5	37.80	2.81	2.76	21.91	21.965	10	11
M2	10/2/2026	Mid-Flood	Sunny	Low	16:21	2.3	M	1.15	2			7.05		2.79		20.6		37.1		2.71		22.02		11	
M3	10/2/2026	Mid-Flood	Sunny	Low	16:40	2.1	M	1.05	1	0.083	182.423	7.16	7.15	3.43	3.46	20.5	20.50	52.7	53.25	3.85	3.89	34.47	34.305	11	11
M3	10/2/2026	Mid-Flood	Sunny	Low	16:40	2.1	M	1.05	2			7.14		3.49		20.5		53.8		3.93		34.14		11	
M1	10/2/2026	Mid-Ebb	Sunny	Low	12:11	2.5	M	1.25	1	0.071	312.729	7.07	7.08	2.72	2.71	20.6	20.65	40.1	40.25	2.93	2.94	22.12	21.93	11	11
M1	10/2/2026	Mid-Ebb	Sunny	Low	12:11	2.5	M	1.25	2			7.09		2.69		20.7		40.4		2.95		21.74		10	
M2	10/2/2026	Mid-Ebb	Sunny	Low	11:50	2.2	M	1.10	1	0.064	300.608	7.09	7.10	2.71	2.74	20.6	20.60	37.5	37.20	2.74	2.72	21.63	21.725	11	11
M2	10/2/2026	Mid-Ebb	Sunny	Low	11:50	2.2	M	1.10	2			7.1		2.77		20.6		36.9		2.69		21.82		10	
M3	10/2/2026	Mid-Ebb	Sunny	Low	12:30	2	M	1.00	1	0.071	306.506	7.18	7.18	3.49	3.49	20.6	20.60	50.7	50.10	3.7	3.66	34.37	34.325	13	13
M3	10/2/2026	Mid-Ebb	Sunny	Low	12:30	2	M	1.00	2			7.18		3.49		20.6		49.5		3.61		34.28		12	

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6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement												Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	12/2/2026	Mid-Flood	Cloudy	Low	18:18	2.7	M	1.35	1	0.095	172.97	7.15	7.15	4.03	4.05	21.5	21.50	40.0	40.65	2.88	2.93	20.80	20.675	14	17
M1	12/2/2026	Mid-Flood	Cloudy	Low	18:18	2.7	M	1.35	2			7.14		4.07		21.5		41.3		2.97		20.55		19	
M2	12/2/2026	Mid-Flood	Cloudy	Low	18:40	2.4	M	1.20	1	0.09	177.425	7.15	7.16	3.87	3.88	21.5	21.50	39.5	39.05	2.84	2.81	21.14	21.26	19	23
M2	12/2/2026	Mid-Flood	Cloudy	Low	18:40	2.4	M	1.20	2			7.17		3.88		21.5		38.6		2.78		21.38		27	
M3	12/2/2026	Mid-Flood	Cloudy	Low	18:48	2	M	1.00	1	0.086	176.684	7.19	7.19	4.36	4.36	21.5	21.50	54.3	55.00	3.91	3.96	30.94	30.97	18	17
M3	12/2/2026	Mid-Flood	Cloudy	Low	18:48	2	M	1.00	2			7.19		4.36		21.5		55.7		4.01		31.00		16	
M1	12/2/2026	Mid-Ebb	Cloudy	Low	10:33	2.5	M	1.25	1	0.067	305.079	7.16	7.16	3.81	3.82	21.8	21.80	37.9	38.55	2.73	2.78	21.97	21.955	16	17
M1	12/2/2026	Mid-Ebb	Cloudy	Low	10:33	2.5	M	1.25	2			7.15		3.83		21.8		39.2		2.82		21.94		18	
M2	12/2/2026	Mid-Ebb	Cloudy	Low	10:16	2.3	M	1.15	1	0.063	323.673	7.15	7.15	3.71	3.69	21.8	21.80	39.6	38.85	2.85	2.80	20.91	20.925	17	18
M2	12/2/2026	Mid-Ebb	Cloudy	Low	10:16	2.3	M	1.15	2			7.15		3.67		21.8		38.1		2.74		20.94		18	
M3	12/2/2026	Mid-Ebb	Cloudy	Low	10:46	2	M	1.00	1	0.065	306.343	7.2	7.21	4.55	4.60	21.8	21.80	52.4	52.40	3.77	3.77	30.02	30.195	22	19
M3	12/2/2026	Mid-Ebb	Cloudy	Low	10:46	2	M	1.00	2			7.22		4.64		21.8		52.4		3.77		30.37		16	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	14/2/2026	Mid-Flood	Cloudy	Low	12:01	2.4	M	1.20	1	0.09	174.636	7.11	7.11	3.55	3.48	21.1	21.15	38.9	39.35	2.8	2.83	21.52	21.425	5	5
M1	14/2/2026	Mid-Flood	Cloudy	Low	12:01	2.4	M	1.20	2			7.1		3.41		21.2		39.8		2.86		21.33		5	
M2	14/2/2026	Mid-Flood	Cloudy	Low	12:26	2.1	M	1.05	1	0.073	182.755	7.11	7.12	3.26	3.24	21.1	21.10	38.4	39.00	2.76	2.81	22.06	22.04	4	6
M2	14/2/2026	Mid-Flood	Cloudy	Low	12:26	2.1	M	1.05	2			7.12		3.22		21.1		39.6		2.85		22.02		7	
M3	14/2/2026	Mid-Flood	Cloudy	Low	12:45	1.9	M	0.95	1	0.091	164.052	7.17	7.18	3.85	3.82	21.1	21.15	52.8	51.90	3.8	3.74	36.88	36.76	3	4
M3	14/2/2026	Mid-Flood	Cloudy	Low	12:45	1.9	M	0.95	2			7.19		3.79		21.2		51.0		3.67		36.64		4	
M1	14/2/2026	Mid-Ebb	Cloudy	Low	10:05	2.5	M	1.25	1	0.069	303.205	7.11	7.11	2.96	2.92	20.9	20.95	37.7	37.95	2.71	2.73	21.24	21.36	6	6
M1	14/2/2026	Mid-Ebb	Cloudy	Low	10:05	2.5	M	1.25	2			7.11		2.88		21.0		38.2		2.75		21.48		5	
M2	14/2/2026	Mid-Ebb	Cloudy	Low	9:37	2.3	M	1.15	1	0.079	331.891	7.11	7.11	3.11	3.08	20.9	20.90	37.9	38.70	2.73	2.79	21.20	21.285	2.5	3
M2	14/2/2026	Mid-Ebb	Cloudy	Low	9:37	2.3	M	1.15	2			7.11		3.05		20.9		39.5		2.84		21.37		2.5	
M3	14/2/2026	Mid-Ebb	Cloudy	Low	10:21	2	M	1.00	1	0.059	325.937	7.17	7.17	3.68	3.66	20.9	20.95	52.5	53.10	3.78	3.82	37.15	36.955	7	8
M3	14/2/2026	Mid-Ebb	Cloudy	Low	10:21	2	M	1.00	2			7.17		3.64		21.0		53.7		3.86		36.76		8	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	17/2/2026	Mid-Flood	Cloudy	Low	13:42	2.6	M	1.30	1	0.09	168.243	7.05	7.05	2.95	2.98	20.5	20.55	40.0	40.75	2.92	2.98	19.55	19.365	2.5	4
M1	17/2/2026	Mid-Flood	Cloudy	Low	13:42	2.6	M	1.30	2			7.05		3		20.6		41.5		3.03		19.18		5	
M2	17/2/2026	Mid-Flood	Cloudy	Low	14:06	2.3	M	1.15	1	0.087	189.918	7.06	7.07	2.86	2.84	20.5	20.55	39.5	39.15	2.88	2.86	20.13	20.265	2.5	3
M2	17/2/2026	Mid-Flood	Cloudy	Low	14:06	2.3	M	1.15	2			7.07		2.82		20.6		38.8		2.83		20.4		2.5	
M3	17/2/2026	Mid-Flood	Cloudy	Low	14:22	2.1	M	1.05	1	0.079	161.382	7.14	7.15	3.69	3.65	20.5	20.50	52.3	52.60	3.82	3.84	30.80	30.66	2.5	3
M3	17/2/2026	Mid-Flood	Cloudy	Low	14:22	2.1	M	1.05	2			7.15		3.6		20.5		52.9		3.86		30.52		2.5	
M1	17/2/2026	Mid-Ebb	Cloudy	Low	8:45	2.5	M	1.25	1	0.069	321.507	7.07	7.07	2.72	2.72	20.6	20.65	39.6	38.70	2.89	2.83	18.55	18.705	2.5	3
M1	17/2/2026	Mid-Ebb	Cloudy	Low	8:45	2.5	M	1.25	2			7.06		2.71		20.7		37.8		2.76		18.86		2.5	
M2	17/2/2026	Mid-Ebb	Cloudy	Low	8:23	2.2	M	1.10	1	0.08	324.716	7.08	7.08	2.80	2.82	20.6	20.60	38.1	37.95	2.78	2.77	17.98	17.965	2.5	3
M2	17/2/2026	Mid-Ebb	Cloudy	Low	8:23	2.2	M	1.10	2			7.08		2.83		20.6		37.8		2.76		17.95		2.5	
M3	17/2/2026	Mid-Ebb	Cloudy	Low	9:00	2	M	1.00	1	0.064	316.471	7.13	7.13	3.46	3.48	20.6	20.60	53.6	54.00	3.91	3.94	31.16	30.955	2.5	4
M3	17/2/2026	Mid-Ebb	Cloudy	Low	9:00	2	M	1.00	2			7.12		3.5		20.6		54.4		3.97		30.75		5	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	19/2/2026	Mid-Flood	Sunny	Low	14:45	2.7	M	1.35	1	0.077	167.004	7.12	7.13	3.08	3.12	21.9	21.90	42.2	42.25	2.99	3.00	24.58	24.685	5	7
M1	19/2/2026	Mid-Flood	Sunny	Low	14:45	2.7	M	1.35	2			7.14		3.15		21.9		42.3		3		24.79		8	
M2	19/2/2026	Mid-Flood	Sunny	Low	15:12	2.4	M	1.20	1	0.081	189.723	7.13	7.13	2.85	2.88	21.9	21.90	42.0	41.45	2.98	2.94	24.83	24.815	2.5	3
M2	19/2/2026	Mid-Flood	Sunny	Low	15:12	2.4	M	1.20	2			7.13		2.9		21.9		40.9		2.9		24.80		2.5	
M3	19/2/2026	Mid-Flood	Sunny	Low	15:30	2	M	1.00	1	0.083	164.353	7.14	7.15	3.25	3.21	21.9	21.90	53.7	52.65	3.81	3.74	33.13	33.01	2.5	3
M3	19/2/2026	Mid-Flood	Sunny	Low	15:30	2	M	1.00	2			7.16		3.17		21.9		51.6		3.66		32.89		2.5	
M1	19/2/2026	Mid-Ebb	Sunny	Low	9:28	2.5	M	1.25	1	0.069	311.667	7.13	7.14	2.80	2.81	21.8	21.80	42.7	43.15	3.03	3.06	24.51	24.565	2.5	3
M1	19/2/2026	Mid-Ebb	Sunny	Low	9:28	2.5	M	1.25	2			7.15		2.81		21.8		43.6		3.09		24.62		2.5	
M2	19/2/2026	Mid-Ebb	Sunny	Low	9:02	2.3	M	1.15	1	0.081	306.999	7.11	7.12	2.81	2.85	21.8	21.85	41.3	40.55	2.93	2.88	23.91	23.85	2.5	3
M2	19/2/2026	Mid-Ebb	Sunny	Low	9:02	2.3	M	1.15	2			7.12		2.88		21.9		39.8		2.82		23.79		2.5	
M3	19/2/2026	Mid-Ebb	Sunny	Low	9:41	2	M	1.00	1	0.059	300.579	7.17	7.17	3.49	3.51	21.8	21.80	53.2	53.65	3.77	3.81	35.88	36.025	2.5	3
M3	19/2/2026	Mid-Ebb	Sunny	Low	9:41	2	M	1.00	2			7.16		3.53		21.8		54.1		3.84		36.17		2.5	

Remark

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4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	21/2/2026	Mid-Flood	Cloudy	Low	15:47	2.6	M	1.30	1	0.089	176.899	7.11	7.12	3.54	3.54	20.2	20.25	42.4	41.50	3.07	3.01	25.88	25.68	2.5	3
M1	21/2/2026	Mid-Flood	Cloudy	Low	15:47	2.6	M	1.30	2			7.13		3.54		20.3		40.6		2.94		25.48		2.5	
M2	21/2/2026	Mid-Flood	Cloudy	Low	16:13	2.3	M	1.15	1	0.078	182.134	7.09	7.10	3.33	3.37	20.2	20.20	41.1	41.05	2.98	2.98	26.93	26.955	2.5	3
M2	21/2/2026	Mid-Flood	Cloudy	Low	16:13	2.3	M	1.15	2			7.1		3.4		20.2		41.0		2.97		26.98		2.5	
M3	21/2/2026	Mid-Flood	Cloudy	Low	16:30	2.1	M	1.05	1	0.08	186.405	7.18	7.19	3.93	3.91	20.2	20.20	53.4	53.20	3.87	3.86	38.46	38.445	2.5	3
M3	21/2/2026	Mid-Flood	Cloudy	Low	16:30	2.1	M	1.05	2			7.19		3.89		20.2		53.0		3.84		38.43		2.5	
M1	21/2/2026	Mid-Ebb	Cloudy	Low	10:09	2.5	M	1.25	1	0.081	304.988	7.11	7.11	3.21	3.21	20.5	20.50	38.2	38.35	2.77	2.78	24.69	24.58	2.5	3
M1	21/2/2026	Mid-Ebb	Cloudy	Low	10:09	2.5	M	1.25	2			7.11		3.2		20.5		38.5		2.79		24.47		2.5	
M2	21/2/2026	Mid-Ebb	Cloudy	Low	9:39	2.2	M	1.10	1	0.074	306.103	7.12	7.12	3.41	3.40	20.5	20.50	38.9	39.25	2.82	2.85	25.73	25.65	2.5	3
M2	21/2/2026	Mid-Ebb	Cloudy	Low	9:39	2.2	M	1.10	2			7.12		3.39		20.5		39.6		2.87		25.57		2.5	
M3	21/2/2026	Mid-Ebb	Cloudy	Low	10:20	2	M	1.00	1	0.077	331.078	7.19	7.20	4.07	4.05	20.5	20.55	55.9	55.15	4.05	4.00	39.41	39.405	2.5	3
M3	21/2/2026	Mid-Ebb	Cloudy	Low	10:20	2	M	1.00	2			7.21		4.03		20.6		54.4		3.94		39.4		2.5	

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4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	24/2/2026	Mid-Flood	Cloudy	Low	18:02	2.4	M	1.20	1	0.095	181.21	7.06	7.05	2.92	2.95	20.1	20.15	39.5	40.15	2.88	2.93	19.66	19.835	32	31
M1	24/2/2026	Mid-Flood	Cloudy	Low	18:02	2.4	M	1.20	2			7.04		2.98		20.2		40.8		2.98		20.01		30	
M2	24/2/2026	Mid-Flood	Cloudy	Low	18:21	2.1	M	1.05	1	0.087	189.715	7.07	7.07	2.92	2.88	20.1	20.15	38.4	37.85	2.8	2.76	20.08	19.93	23	26
M2	24/2/2026	Mid-Flood	Cloudy	Low	18:21	2.1	M	1.05	2			7.07		2.83		20.2		37.3		2.72		19.78		28	
M3	24/2/2026	Mid-Flood	Cloudy	Low	18:39	1.9	M	0.95	1	0.087	173.073	7.18	7.17	3.55	3.57	20.1	20.10	53.8	54.50	3.93	3.98	33.78	33.615	24	23
M3	24/2/2026	Mid-Flood	Cloudy	Low	18:39	1.9	M	0.95	2			7.16		3.59		20.1		55.2		4.03		33.45		21	
M1	24/2/2026	Mid-Ebb	Cloudy	Low	11:20	2.5	M	1.25	1	0.079	303.113	7.09	7.09	2.97	2.99	20.6	20.65	39.2	39.05	2.86	2.85	21.56	21.565	13	17
M1	24/2/2026	Mid-Ebb	Cloudy	Low	11:20	2.5	M	1.25	2			7.09		3		20.7		38.9		2.84		21.57		20	
M2	24/2/2026	Mid-Ebb	Cloudy	Low	10:54	2.3	M	1.15	1	0.07	317.933	7.08	7.07	3.01	3.03	20.6	20.65	38.1	37.75	2.78	2.76	20.20	20.19	16	19
M2	24/2/2026	Mid-Ebb	Cloudy	Low	10:54	2.3	M	1.15	2			7.06		3.05		20.7		37.4		2.73		20.18		22	
M3	24/2/2026	Mid-Ebb	Cloudy	Low	11:40	2	M	1.00	1	0.08	330.756	7.16	7.17	3.69	3.73	20.6	20.65	53.8	54.15	3.93	3.96	35.64	35.525	20	24
M3	24/2/2026	Mid-Ebb	Cloudy	Low	11:40	2	M	1.00	2			7.18		3.76		20.7		54.5		3.98		35.41		28	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	26/2/2026	Mid-Flood	Cloudy	Low	17:06	2.4	M	1.20	1	0.095	163.818	7.13	7.14	3.05	3.01	20.0	20.05	39.1	38.40	2.81	2.76	22.09	22.055	25	26
M1	26/2/2026	Mid-Flood	Cloudy	Low	17:06	2.4	M	1.20	2			7.14		2.96		20.1		37.7		2.71		22.02		26	
M2	26/2/2026	Mid-Flood	Cloudy	Low	17:33	2.2	M	1.10	1	0.079	167.76	7.11	7.12	2.84	2.80	20.0	20.00	38.8	39.30	2.79	2.83	22.23	22.29	7	16
M2	26/2/2026	Mid-Flood	Cloudy	Low	17:33	2.2	M	1.10	2			7.12		2.76		20		39.8		2.86		22.35		25	
M3	26/2/2026	Mid-Flood	Cloudy	Low	17:50	2	M	1.00	1	0.075	170.082	7.17	7.17	3.44	3.43	20.0	20.00	52.5	52.60	3.78	3.79	30.58	30.55	33	33
M3	26/2/2026	Mid-Flood	Cloudy	Low	17:50	2	M	1.00	2			7.16		3.41		20		52.7		3.79		30.52		32	
M1	26/2/2026	Mid-Ebb	Cloudy	Low	8:35	2.5	M	1.25	1	0.077	343.563	7.13	7.13	2.80	2.77	20.3	20.35	39.2	38.55	2.82	2.78	20.74	20.71	21	21
M1	26/2/2026	Mid-Ebb	Cloudy	Low	8:35	2.5	M	1.25	2			7.13		2.73		20.4		37.9		2.73		20.68		21	
M2	26/2/2026	Mid-Ebb	Cloudy	Low	8:08	2.2	M	1.10	1	0.058	314.891	7.13	7.12	2.72	2.69	20.3	20.35	38.2	37.65	2.75	2.71	20.84	20.855	27	24
M2	26/2/2026	Mid-Ebb	Cloudy	Low	8:08	2.2	M	1.10	2			7.11		2.66		20.4		37.1		2.67		20.87		21	
M3	26/2/2026	Mid-Ebb	Cloudy	Low	8:46	2	M	1.00	1	0.064	338.273	7.16	7.16	3.61	3.59	20.3	20.30	53.9	54.00	3.88	3.89	30.29	30.085	23	22
M3	26/2/2026	Mid-Ebb	Cloudy	Low	8:46	2	M	1.00	2			7.15		3.57		20.3		54.1		3.89		29.88		20	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	28/2/2026	Mid-Flood	Cloudy	Low	11:45	2.6	M	1.30	1	0.081	173.287	7.08	7.09	3.65	3.66	20.9	20.95	38.0	37.00	2.75	2.68	25.66	25.735	3	3
M1	28/2/2026	Mid-Flood	Cloudy	Low	11:45	2.6	M	1.30	2			7.1		3.66		21		36.0		2.61		25.81		3	
M2	28/2/2026	Mid-Flood	Cloudy	Low	12:15	2.3	M	1.15	1	0.079	168.726	7.09	7.10	3.54	3.57	20.9	20.90	39.7	40.35	2.88	2.93	25.93	26.055	3	3
M2	28/2/2026	Mid-Flood	Cloudy	Low	12:15	2.3	M	1.15	2			7.11		3.59		20.9		41.0		2.97		26.18		3	
M3	28/2/2026	Mid-Flood	Cloudy	Low	12:30	2.1	M	1.05	1	0.094	185.992	7.17	7.18	4.15	4.19	20.9	20.90	50.8	50.30	3.68	3.65	38.94	38.86	3	3
M3	28/2/2026	Mid-Flood	Cloudy	Low	12:30	2.1	M	1.05	2			7.18		4.23		20.9		49.8		3.61		38.78		2.5	
M1	28/2/2026	Mid-Ebb	Cloudy	Low	9:41	2.5	M	1.25	1	0.059	329.078	7.07	7.08	3.45	3.45	20.7	20.70	39.5	39.00	2.86	2.83	24.75	24.555	2.5	3
M1	28/2/2026	Mid-Ebb	Cloudy	Low	9:41	2.5	M	1.25	2			7.08		3.45		20.7		38.5		2.79		24.36		2.5	
M2	28/2/2026	Mid-Ebb	Cloudy	Low	9:10	2.2	M	1.10	1	0.058	319.705	7.08	7.08	3.65	3.63	20.7	20.75	39.9	38.95	2.89	2.82	24.99	25.12	2.5	3
M2	28/2/2026	Mid-Ebb	Cloudy	Low	9:10	2.2	M	1.10	2			7.07		3.6		20.8		38.0		2.75		25.25		2.5	
M3	28/2/2026	Mid-Ebb	Cloudy	Low	9:52	2	M	1.00	1	0.06	307.624	7.15	7.16	4.44	4.48	20.7	20.70	53.8	53.65	3.9	3.89	37.58	37.44	2.5	3
M3	28/2/2026	Mid-Ebb	Cloudy	Low	9:52	2	M	1.00	2			7.17		4.52		20.7		53.5		3.88		37.3		2.5	

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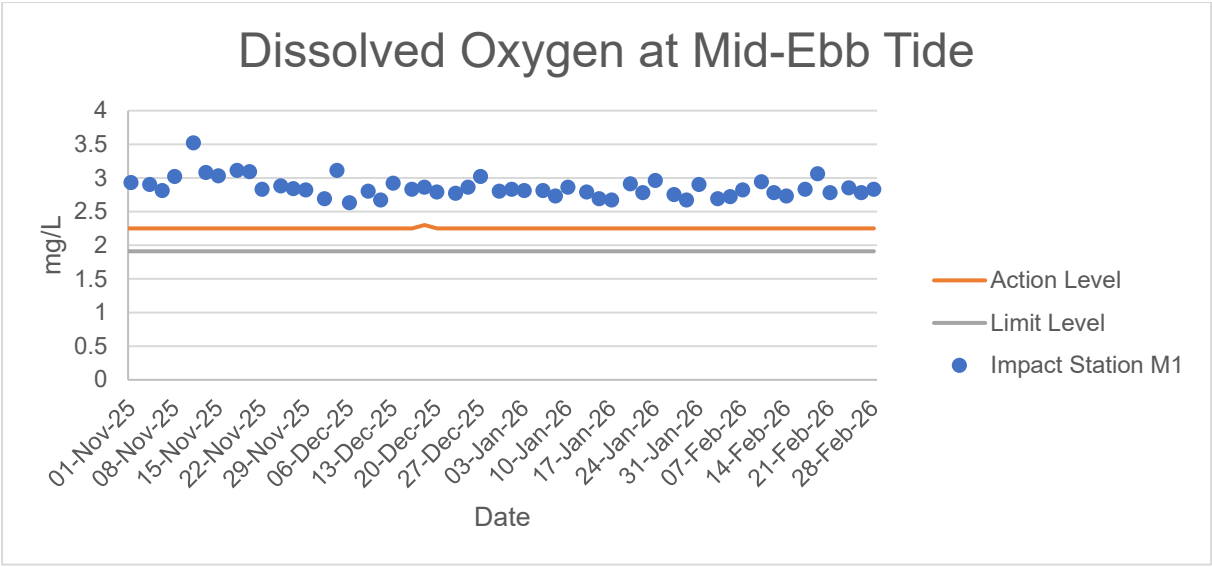
For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68


Dissolved Oxygen at Mid-Ebb Tide
mg/L
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3
2.5
2
1.5
1
0.5
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08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
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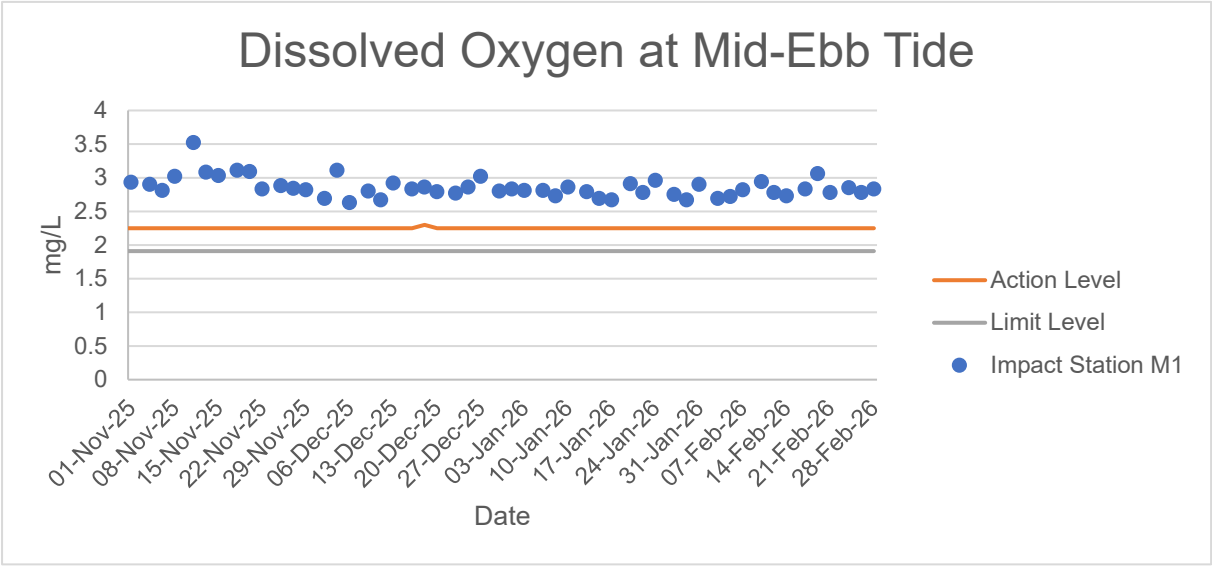
14-Feb-26
21-Feb-26
28-Feb-26
Date
Action Level
Limit Level
Impact Station M1


Dissolved Oxygen at Mid-Ebb Tide
mg/L
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3.5
3
2.5
2
1.5
1
0.5
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01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
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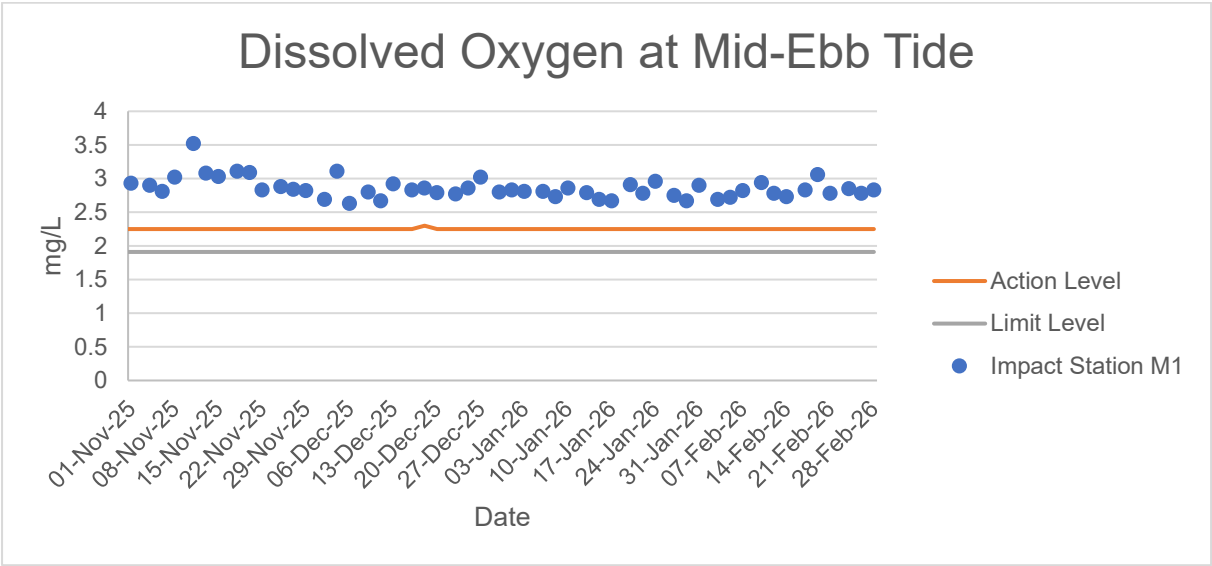
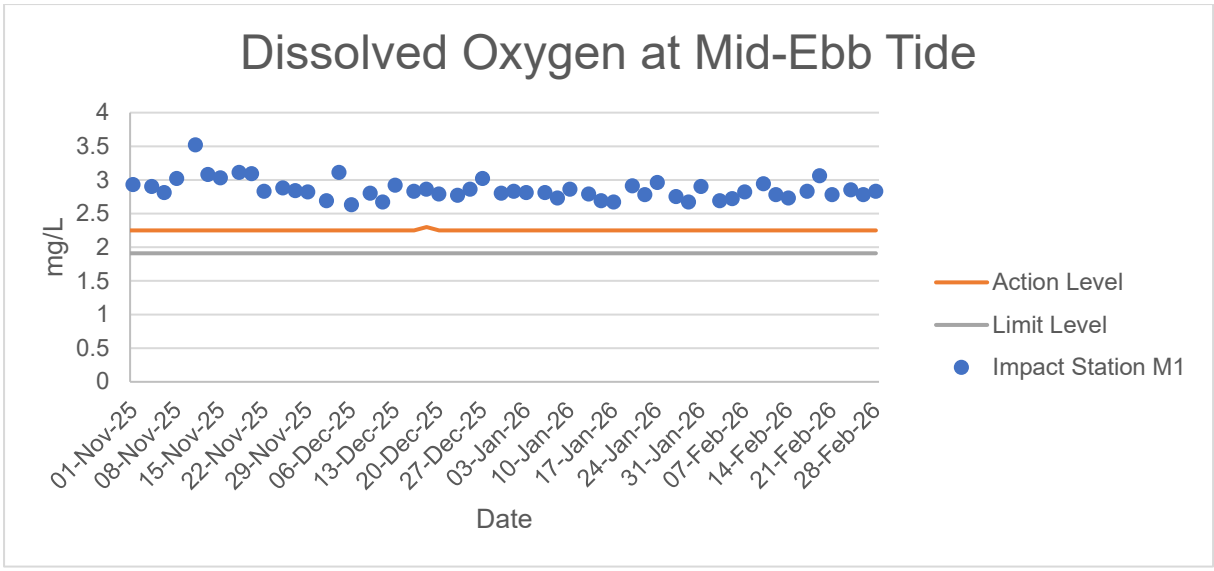
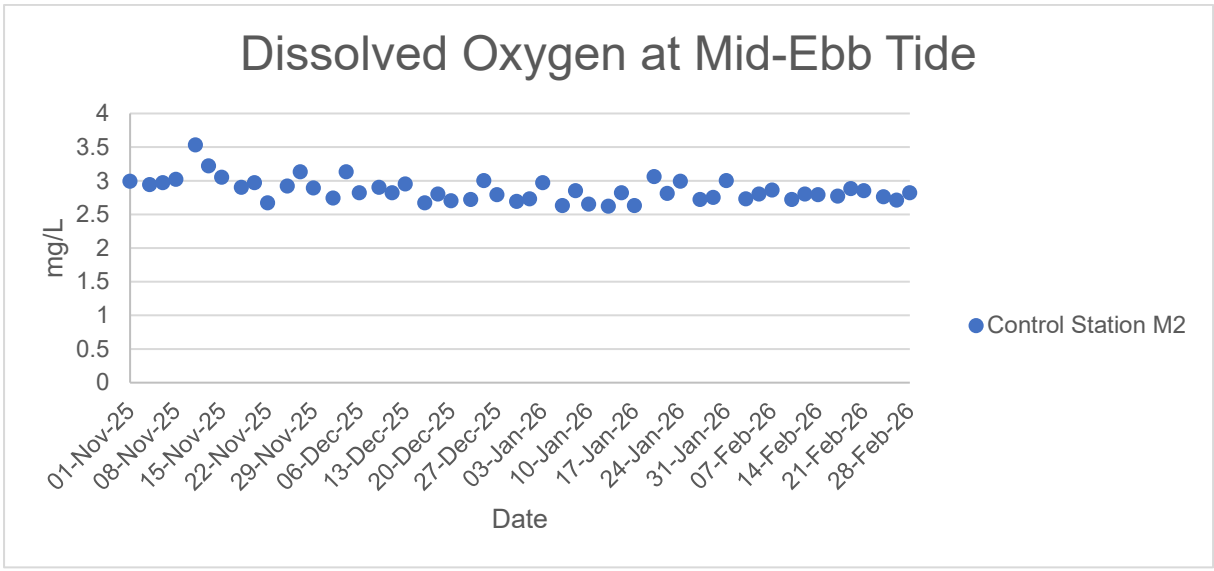
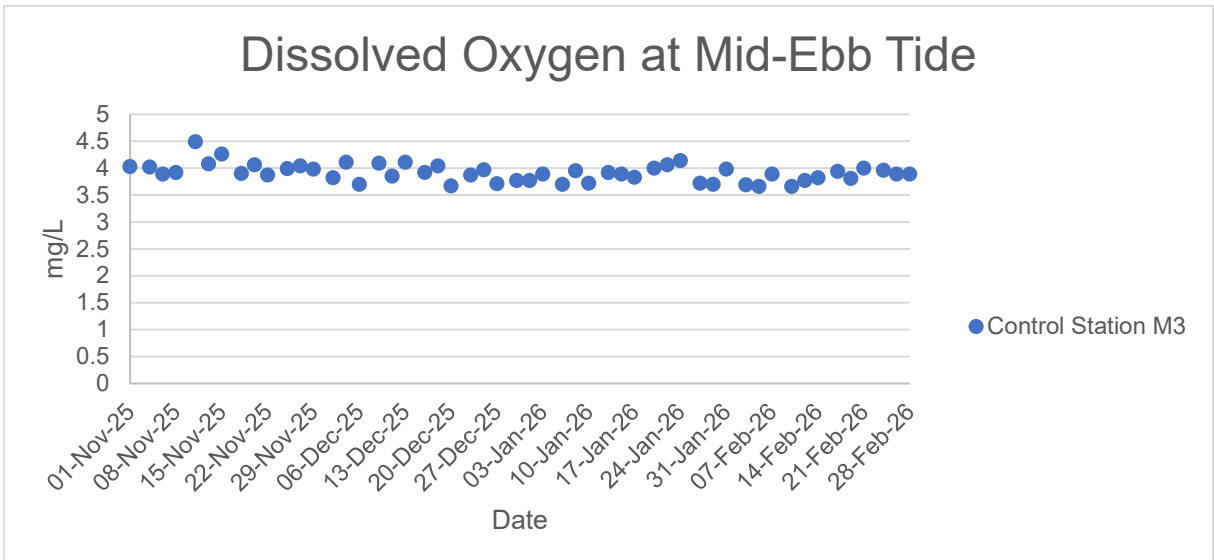
21-Feb-26
28-Feb-26
Date
Action Level
Limit Level
Impact Station M1


Dissolved Oxygen at Mid-Ebb Tide
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Action Level
Limit Level
Impact Station M1


Dissolved Oxygen at Mid-Ebb Tide
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Action Level
Limit Level
Impact Station M1


Dissolved Oxygen at Mid-Ebb Tide
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Control Station M2


Dissolved Oxygen at Mid-Ebb Tide
mg/L
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
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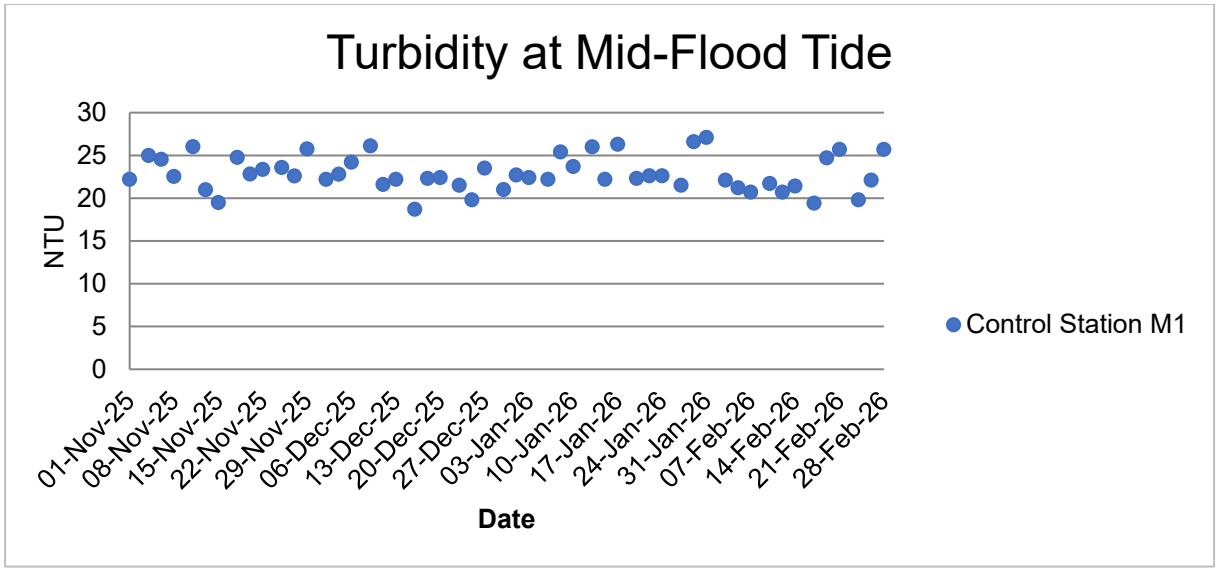
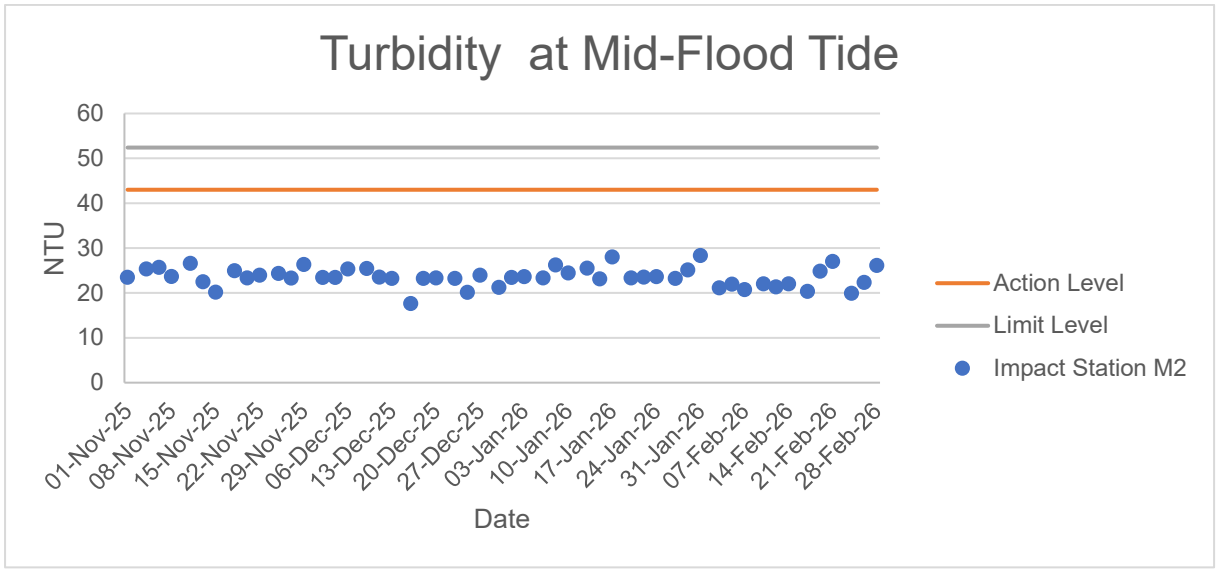
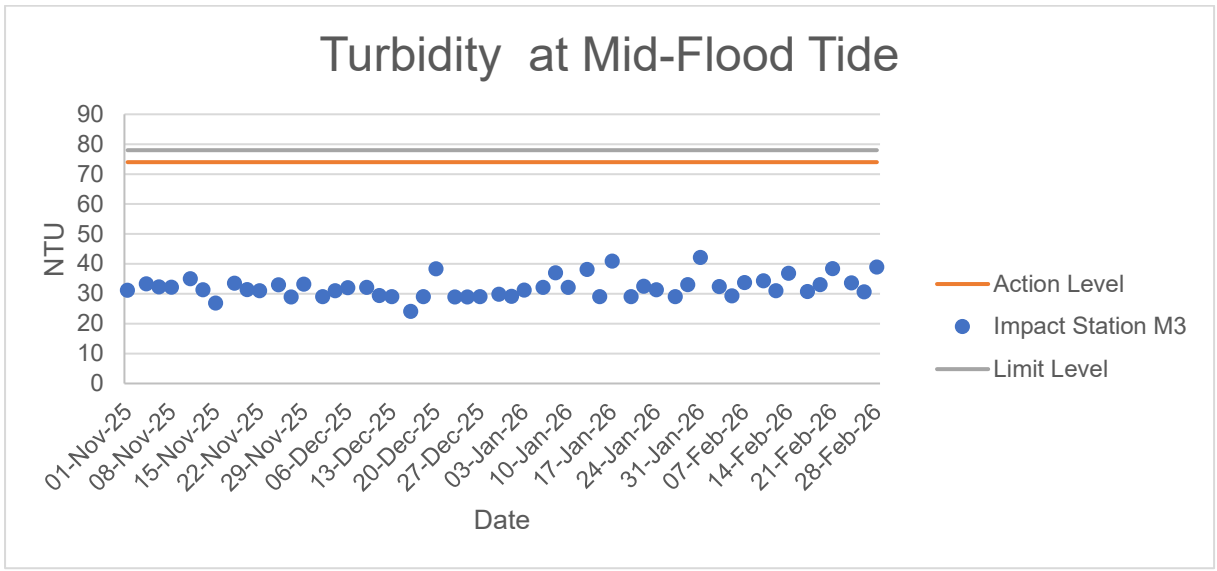
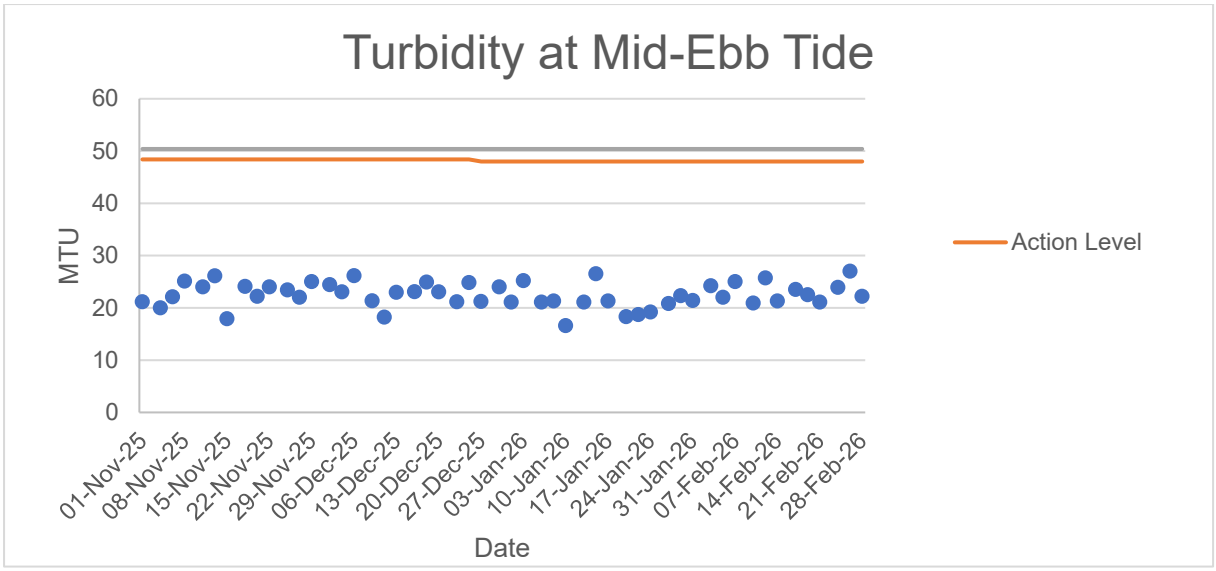
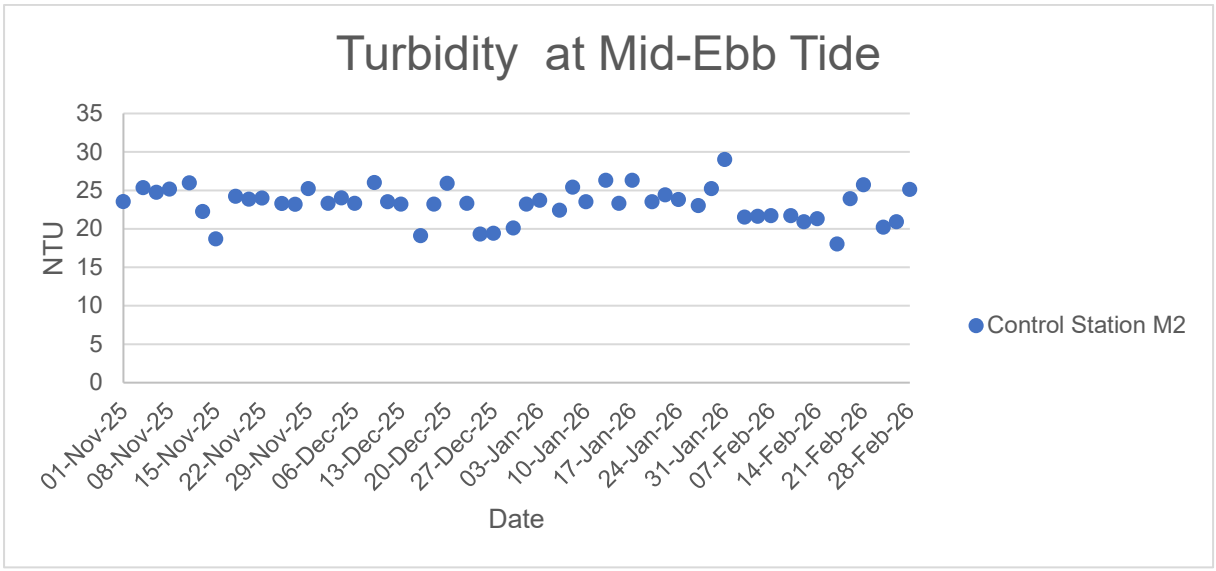
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Control Station M3

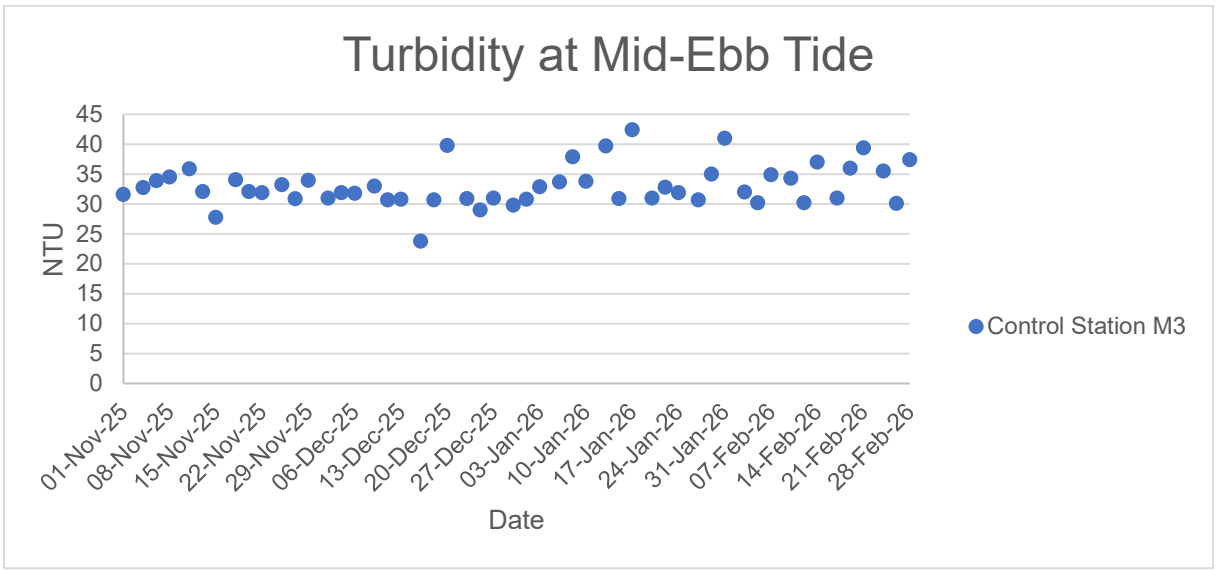

Turbidity at Mid-Flood Tide
NTU
30
25
20
15
10
5
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Control Station M1


Turbidity at Mid-Flood Tide
NTU
60
50
40
30
20
10
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Action Level
Limit Level
Impact Station M2


Turbidity at Mid-Flood Tide
NTU
90
80
70
60
50
40
30
20
10
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Action Level
Impact Station M3
Limit Level


Turbidity at Mid-Ebb Tide
MTU
60
50
40
30
20
10
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Action Level


Turbidity at Mid-Ebb Tide
NTU
35
30
25
20
15
10
5
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Control Station M2


Turbidity at Mid-Ebb Tide
NTU
45
40
35
30
25
20
15
10
5
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
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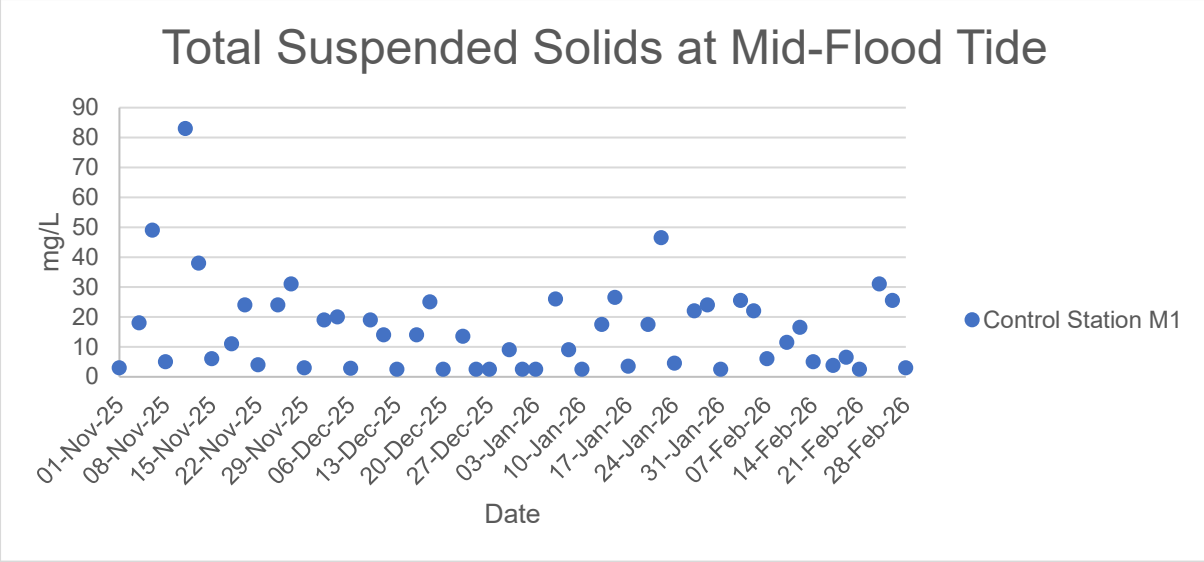
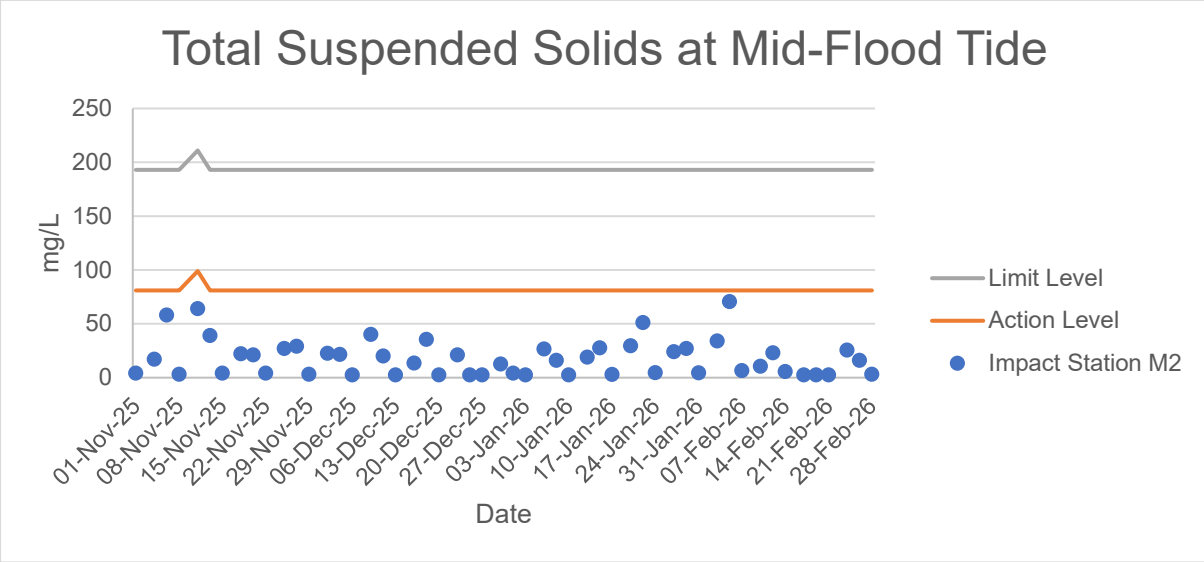
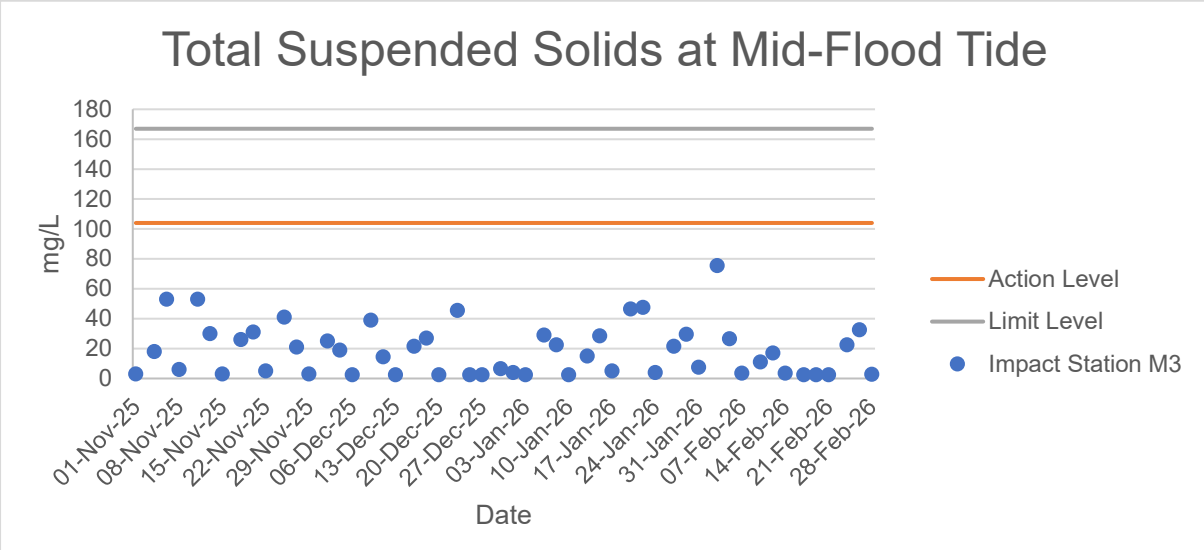
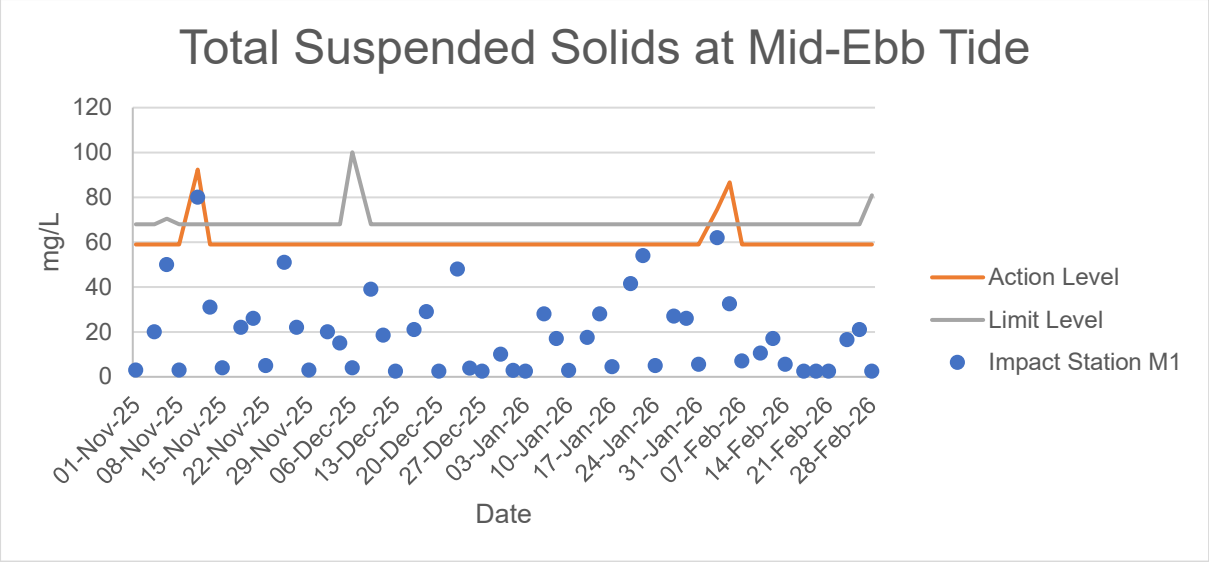
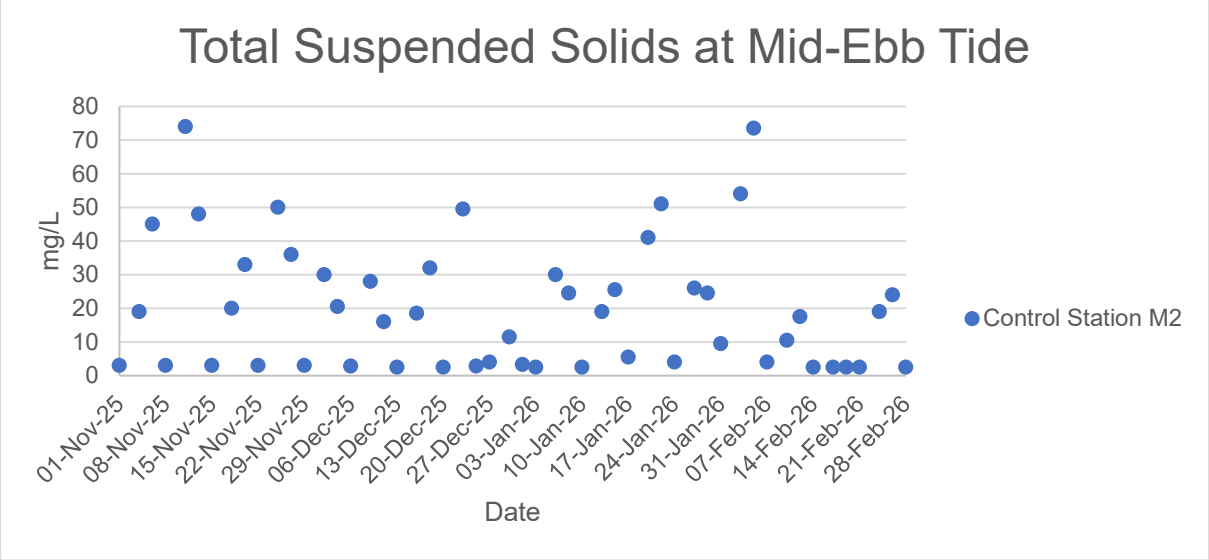
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Control Station M3

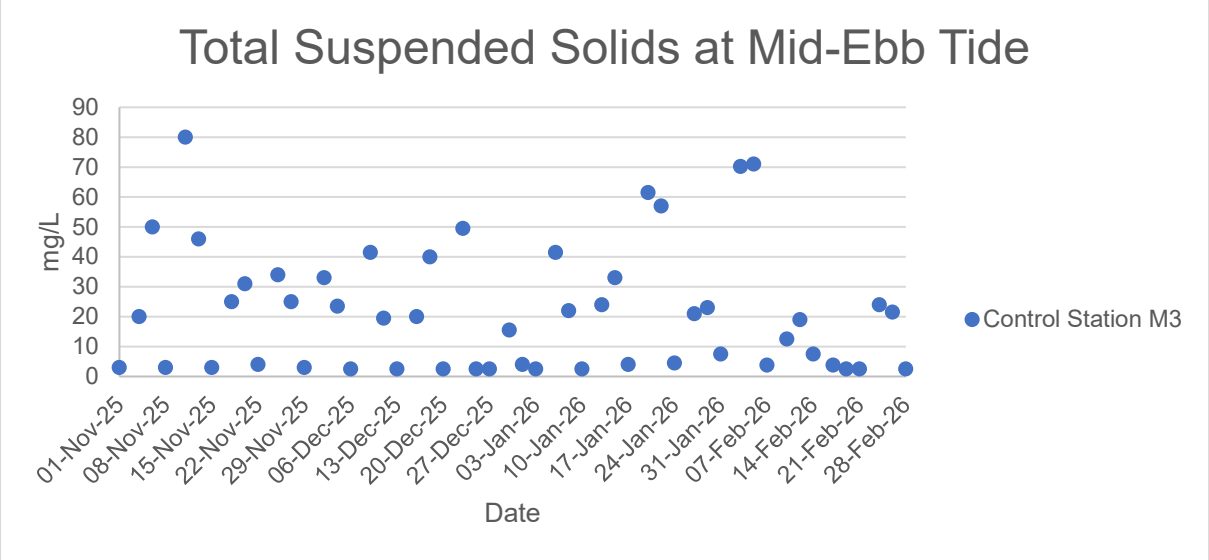

Total Suspended Solids at Mid-Flood Tide
mg/L
90
80
70
60
50
40
30
20
10
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Control Station M1


Total Suspended Solids at Mid-Flood Tide
mg/L
250
200
150
100
50
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Limit Level
Action Level
Impact Station M2


Total Suspended Solids at Mid-Flood Tide
mg/L
180
160
140
120
100
80
60
40
20
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Action Level
Limit Level
Impact Station M3


Total Suspended Solids at Mid-Ebb Tide
mg/L
120
100
80
60
40
20
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Action Level
Limit Level
Impact Station M1


Total Suspended Solids at Mid-Ebb Tide
mg/L
80
70
60
50
40
30
20
10
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Control Station M2


Total Suspended Solids at Mid-Ebb Tide
mg/L
90
80
70
60
50
40
30
20
10
0
01-Nov-25
08-Nov-25
15-Nov-25
22-Nov-25
29-Nov-25
06-Dec-25
13-Dec-25
20-Dec-25
27-Dec-25
03-Jan-26
10-Jan-26
17-Jan-26
24-Jan-26
31-Jan-26
07-Feb-26
14-Feb-26
21-Feb-26
28-Feb-26
Date
Control Station M3

Ecology Monitoring Results for

Contract No. SPW 01/2025

Environmental Team for Construction of Yuen long Effluent Polishing Plant Stage 1

Appendix F.1 Ecological Bird Monitoring Result (3 & 12 February 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
12/02/2026	Daytime	Dry	FLW	Point Count	FLW1	Little Grebe	*Tachybaptus ruficollis*	4	Common	R	LC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW1	Chinese Pond Heron	*Ardeola bacchus*	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW1	Black Kite	*Milvus migrans*	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW1	Little Ringed Plover	*Charadrius dubius*	2	Common	WV,PM	(LC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW1	Common Snipe	*Gallinago gallinago*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW1	Common Sandpiper	*Actitis hypoleucos*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW1	Common Greenshank	*Tringa nebularia*	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW1	House Swift	*Apus nipalensis*	4	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW2	Chinese Bulbul	*Pycnonotus sinensis*	4	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW2	Masked Laughingthrush	*Pterorhinus perspicillatus*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW2	Crested Myna	*Acridotheres cristatellus*	2	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW3	House Swift	*Apus nipalensis*	2	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW3	Eastern Yellow Wagtail	*Motacilla tschutschensis*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW3	Black-faced Bunting	*Emberiza spodocephala*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Northern Shoveler	*Spatula clypeata*	15	Abundant	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Little Grebe	*Tachybaptus ruficollis*	2	Common	R	LC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Chinese Pond Heron	*Ardeola bacchus*	8	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Great Cormorant	*Phalacrocorax carbo*	9	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Eastern Buzzard	*Buteo japonicus*	1	Common	WV	-	Class II	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Common Moorhen	*Gallinula chloropus*	1	Common	R	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Large-billed Crow	*Corvus macrorhynchos*	2	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Chinese Bulbul	*Pycnonotus sinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Plain Prinia	*Prinia inornata*	1	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Crested Myna	*Acridotheres cristatellus*	8	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Common Myna	*Acridotheres tristis*	6	Uncommon	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Red-billed Starling	*Spodiopsar sericeus*	12	Common	WV	GC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Black-collared Starling	*Gracupica nigricollis*	7	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Stejneger's Stonechat	*Saxicola stejnegeri*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Eastern Yellow Wagtail	*Motacilla tschutschensis*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW4	Black-faced Bunting	*Emberiza spodocephala*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Little Grebe	*Tachybaptus ruficollis*	1	Common	R	LC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Intermediate Egret	*Ardea intermedia*	1	Common	PM	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Common Moorhen	*Gallinula chloropus*	1	Common	R	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Common Sandpiper	*Actitis hypoleucos*	2	Common	PM,WV	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Marsh Sandpiper	*Tringa stagnatilis*	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (3 & 12 February 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Eurasian Collared Dove	*Streptopelia decaocto*	2	Common	-	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Greater Coucal	*Centropus sinensis*	1	Common	R	-	Class II	VU	LC	LC	Y	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Red-whiskered Bulbul	*Pycnonotus jocosus*	4	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Yellow-browed Warbler	*Phylloscopus inornatus*	1	Common	WV,Sp	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Crested Myna	*Acridotheres cristatellus*	6	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Common Myna	*Acridotheres tristis*	2	Uncommon	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Black-collared Starling	*Gracupica nigricollis*	20	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Oriental Magpie Robin	*Copsychus saularis*	1	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Stejneger's Stonechat	*Saxicola stejnegeri*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Eurasian Tree Sparrow	*Passer montanus*	8	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Eastern Yellow Wagtail	*Motacilla tschutschensis*	4	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	White Wagtail	*Motacilla alba*	6	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Manchurian Bush Warbler	*Horornis canturians*	1	Uncommon	W	-	-	-	-	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW5	Little Bunting	*Emberiza pusilla*	4	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW6	Chinese Pond Heron	*Ardeola bacchus*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW6	Great Egret	*Ardea alba*	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW6	Great Cormorant	*Phalacrocorax carbo*	2	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW6	Spotted Dove	*Spilopelia chinensis*	1	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW6	Barn Swallow	*Hirundo rustica*	4	Abundant	PM,SV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW6	Yellow-bellied Prinia	*Prinia flaviventris*	1	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW6	Masked Laughingthrush	*Pterorhinus perspicillatus*	3	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW7	Black-crowned Night Heron	*Nycticorax nycticorax*	2	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW7	Chinese Pond Heron	*Ardeola bacchus*	23	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Point Count	FLW7	Spotted Dove	*Spilopelia chinensis*	4	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW7	Long-tailed Shrike	*Lanius schach*	1	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW7	Azure-winged Magpie	*Cyanopica cyanus*	4	Introduced	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW7	Crested Myna	*Acridotheres cristatellus*	9	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Point Count	FLW7	Black-collared Starling	*Gracupica nigricollis*	7	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Chinese Pond Heron	*Ardeola bacchus*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Grey Heron	*Ardea cinerea*	1	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Great Cormorant	*Phalacrocorax carbo*	52	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Collared Dove	*Streptopelia decaocto*	3	Common	-	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Japanese Tit	*Parus minor*	2	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (3 & 12 February 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Red-whiskered Bulbul	*Pycnonotus jocosus*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Chinese Bulbul	*Pycnonotus sinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Dusky Warbler	*Phylloscopus fuscatus*	2	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Yellow-bellied Prinia	*Prinia flaviventris*	1	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Common Tailorbird	*Orthotomus sutorius*	1	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Black-collared Starling	*Gracupica nigricollis*	3	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Tree Sparrow	*Passer montanus*	4	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	NSW1	Brown Shrike	*Lanius cristatus*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Great Cormorant	*Phalacrocorax carbo*	1	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-winged stilt	*Himantopus himantopus*	12	Common	PM	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Redshank	*Tringa totanus*	10	Common	PM	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-headed Gull	*Chroicocephalus ridibundus*	9	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	White-throated Kingfisher	*Halcyon smyrnensis*	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	*Pycnonotus jocosus*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Plain Prinia	*Prinia inornata*	1	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Masked Laughingthrush	*Pterorhinus perspicillatus*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Crested Myna	*Acridotheres cristatellus*	5	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	White-shouldered Starling	*Sturnia sinensis*	2	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Eurasian Wigeon	*Mareca penelope*	6	Common	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Eurasian Teal	*Anas crecca*	22	Common	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Chinese Pond Heron	*Ardeola bacchus*	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Grey Heron	*Ardea cinerea*	1	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Great Egret	*Ardea alba*	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Black Kite	*Milvus migrans*	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Moorhen	*Gallinula chloropus*	1	Common	R	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-winged stilt	*Himantopus himantopus*	34	Common	PM	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Sandpiper	*Actitis hypoleucos*	2	Common	PM,WV	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Redshank	*Tringa totanus*	4	Common	PM	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Greenshank	*Tringa nebularia*	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-headed Gull	*Chroicocephalus ridibundus*	9	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Lesser Black-backed Gull	*Larus fuscus*	2	Common	W,M	LC	-	-	-	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (3 & 12 February 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Spotted Dove	*Spilopelia chinensis*	1	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Tailorbird	*Orthotomus sutorius*	1	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Crested Myna	*Acridotheres cristatellus*	4	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Garganey	*Spatula querquedula*	2	Common	M,W	-	-	-	-	LC	N	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Northern Shoveler	*Spatula clypeata*	7	Abundant	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Wigeon	*Mareca penelope*	45	Common	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Teal	*Anas crecca*	14	Common	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Tufted Duck	*Aythya fuligula*	3	Uncommon	WV	LC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Egret	*Ardea alba*	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Cormorant	*Phalacrocorax carbo*	9	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Moorhen	*Gallinula chloropus*	4	Common	R	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-winged stilt	*Himantopus himantopus*	18	Common	PM	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Pied Avocet	*Recurvirostra avosetta*	38	Abundant	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Sandpiper	*Actitis hypoleucos*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Redshank	*Tringa totanus*	11	Common	PM	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Marsh Sandpiper	*Tringa stagnatilis*	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Greenshank	*Tringa nebularia*	12	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-headed Gull	*Chroicocephalus ridibundus*	6	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Kingfisher	*Alcedo atthis*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Pied Kingfisher	*Ceryle rudis*	1	Uncommon	R	-	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Yellow-browed Warbler	*Phylloscopus inornatus*	1	Common	WV,Sp	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Northern Shoveler	*Spatula clypeata*	4	Abundant	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Tufted Duck	*Aythya fuligula*	8	Uncommon	WV	LC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	*Phalacrocorax carbo*	2	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Black Kite	*Milvus migrans*	3	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Common Moorhen	*Gallinula chloropus*	1	Common	R	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Greater Coucal	*Centropus sinensis*	1	Common	R	-	Class II	VU	LC	LC	Y	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Azure-winged Magpie	*Cyanopica cyanus*	3	Introduced	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Japanese Tit	*Parus minor*	2	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Chinese Bulbul	*Pycnonotus sinensis*	4	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Yellow-browed Warbler	*Phylloscopus inornatus*	2	Common	WV,Sp	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Dusky Warbler	*Phylloscopus fuscatus*	2	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Yellow-bellied Prinia	*Prinia flaviventris*	1	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Plain Prinia	*Prinia inornata*	4	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Common Tailorbird	*Orthotomus sutorius*	1	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (3 & 12 February 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Swinhoe's White-eye	*Zosterops simplex*	3	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Crested Myna	*Acridotheres cristatellus*	21	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Black-collared Starling	*Gracupica nigricollis*	2	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Stejneger's Stonechat	*Saxicola stejnegeri*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Eastern Yellow Wagtail	*Motacilla tschutschensis*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Black-faced Bunting	*Emberiza spodocephala*	3	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	FLW	Transect	FLW	Bluethroat	*Luscinia svecica*	1	Uncommon	W	LC	-	-	-	LC	Y	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Great Cormorant	*Phalacrocorax carbo*	2	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Greater Coucal	*Centropus sinensis*	1	Common	R	-	Class II	VU	LC	LC	Y	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Japanese Tit	*Parus minor*	2	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Red-whiskered Bulbul	*Pycnonotus jocosus*	4	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Yellow-bellied Prinia	*Prinia flaviventris*	2	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Plain Prinia	*Prinia inornata*	2	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Common Tailorbird	*Orthotomus sutorius*	2	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Masked Laughingthrush	*Pterorhinus perspicillatus*	4	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Swinhoe's White-eye	*Zosterops simplex*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Red-billed Starling	*Spodiopsar sericeus*	20	Common	WV	GC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Black-collared Starling	*Gracupica nigricollis*	3	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	Oriental Magpie Robin	*Copsychus saularis*	1	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	NSW	Transect	NSW	White Wagtail	*Motacilla alba*	2	Common	PM,WV	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Northern Shoveler	*Spatula clypeata*	24	Abundant	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Eurasian Teal	*Anas crecca*	18	Common	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	*Ardeola bacchus*	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Grey Heron	*Ardea cinerea*	2	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Egret	*Ardea alba*	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Little Egret	*Egretta garzetta*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Cormorant	*Phalacrocorax carbo*	4	Common	WV	PRC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-winged stilt	*Himantopus himantopus*	67	Common	PM	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Pied Avocet	*Recurvirostra avosetta*	22	Abundant	WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Sandpiper	*Actitis hypoleucos*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Redshank	*Tringa totanus*	28	Common	PM	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	spotted Redshank	*Tringa erythropus*	1	Abundant	WV,Sp	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Greenshank	*Tringa nebularia*	6	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-headed Gull	*Chroicocephalus ridibundus*	29	Common	WV	PRC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (3 & 12 February 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Chinese Bulbul	*Pycnonotus sinensis*	4	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Swinhoe's White-eye	*Zosterops simplex*	2	Abundant	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Crested Myna	*Acridotheres cristatellus*	3	Common	R	-	-	-	LC	LC	N	N
12/02/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-collared Starling	*Gracupica nigricollis*	8	Common	R	-	-	-	LC	LC	N	N
03/02/2026	Night-time	Dry	FLW	Point Count	FLW5	Black-winged stilt	*Himantopus himantopus*	5	Common	PM	RC	-	-	LC	LC	Y	Y
03/02/2026	Night-time	Dry	NSW	Point Count	SP/NSW1	Black-winged stilt	*Himantopus himantopus*	4	Common	PM	RC	-	-	LC	LC	Y	Y
03/02/2026	Night-time	Dry	NSW	Point Count	SP/NSW3	Common Greenshank	*Tringa nebularia*	3	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
03/02/2026	Night-time	Dry	NSW	Point Count	SP/NSW3	Collared Scops Owl	*Otus lettia*	1	Common	R	-	Class II	-	LC	LC	Y	N
03/02/2026	Night-time	Dry	FLW	Transect	FLW	Grey Heron	*Ardea cinerea*	1	Common	WV	PRC	-	-	LC	LC	Y	Y

Notes:

1. All wild birds are protected under Wild Animals Protection Ordinance (Cap. 170).
2. AFCD (2021). Hong Kong Biodiversity Database.
3. Carey et al. (2001): R=resident; WV=winter visitor; SV=summer visitor; PM=passage migrant; Sp=spring; A=autumn;
4. Fellowes et al. (2002): LC=Local Concern; RC=Regional Concern; PRC=Potential Regional Concern; PGC: Potential Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.
5. List of Wild Animals under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
6. Zheng, G. M. and Wang, Q. S. (1998). China Red Data Book
7. IUCN 2021. The IUCN Red List of Threatened Species. Version 2020-3.
8. Wetland-dependent species (including wetland-dependent species and waterbirds).
9. Jiang et al. (2016). Red List of China's Vertebrates

Appendix F.2.1 Ecological Bird Monitoring Diversity (All avifauna species in Point Count Method) in All Habitats (3 & 12 February 2026)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Spatula querquedula	2	0.0030	-5.7961	-0.0176	0.1021
Spatula clypeata	22	0.0334	-3.3982	-0.1136	0.3861
Mareca penelope	51	0.0775	-2.5574	-0.1982	0.5069
Anas crecca	36	0.0547	-2.9057	-0.1590	0.4619
Aythya fuligula	3	0.0046	-5.3906	-0.0246	0.1325
Tachybaptus ruficollis	7	0.0106	-4.5433	-0.0483	0.2196
Nycticorax nycticorax	2	0.0030	-5.7961	-0.0176	0.1021
Ardeola bacchus	42	0.0638	-2.7515	-0.1756	0.4833
Ardea cinerea	2	0.0030	-5.7961	-0.0176	0.1021
Ardea alba	4	0.0061	-5.1029	-0.0310	0.1583
Ardea intermedia	1	0.0015	-6.4892	-0.0099	0.0640
Egretta garzetta	3	0.0046	-5.3906	-0.0246	0.1325
Phalacrocorax carbo	73	0.1109	-2.1987	-0.2439	0.5363
Milvus migrans	2	0.0030	-5.7961	-0.0176	0.1021
Buteo japonicus	1	0.0015	-6.4892	-0.0099	0.0640
Amaurornis phoenicurus	4	0.0061	-5.1029	-0.0310	0.1583
Gallinula chloropus	7	0.0106	-4.5433	-0.0483	0.2196
Himantopus himantopus	73	0.1109	-2.1987	-0.2439	0.5363
Recurvirostra avosetta	38	0.0578	-2.8516	-0.1647	0.4696
Charadrius dubius	2	0.0030	-5.7961	-0.0176	0.1021
Gallinago gallinago	1	0.0015	-6.4892	-0.0099	0.0640
Actitis hypoleucos	6	0.0091	-4.6974	-0.0428	0.2012
Tringa totanus	25	0.0380	-3.2703	-0.1243	0.4063
Tringa stagnatilis	2	0.0030	-5.7961	-0.0176	0.1021
Tringa nebularia	19	0.0289	-3.5448	-0.1024	0.3628
Chroicocephalus ridibundus	24	0.0365	-3.3112	-0.1208	0.3999
Larus fuscus	2	0.0030	-5.7961	-0.0176	0.1021
Streptopelia decaocto	5	0.0076	-4.8798	-0.0371	0.1809
Spilopelia chinensis	12	0.0182	-4.0043	-0.0730	0.2924
Centropus sinensis	1	0.0015	-6.4892	-0.0099	0.0640
Otus lettia	1	0.0015	-6.4892	-0.0099	0.0640
Apus nipalensis	6	0.0091	-4.6974	-0.0428	0.2012
Halcyon smyrnensis	1	0.0015	-6.4892	-0.0099	0.0640
Alcedo atthis	1	0.0015	-6.4892	-0.0099	0.0640
Ceryle rudis	1	0.0015	-6.4892	-0.0099	0.0640
Lanius cristatus	1	0.0015	-6.4892	-0.0099	0.0640
Lanius schach	1	0.0015	-6.4892	-0.0099	0.0640
Cyanopica cyanus	4	0.0061	-5.1029	-0.0310	0.1583
Corvus macrorhynchos	2	0.0030	-5.7961	-0.0176	0.1021
Parus minor	2	0.0030	-5.7961	-0.0176	0.1021
Pycnonotus jocosus	8	0.0122	-4.4098	-0.0536	0.2364
Pycnonotus sinensis	9	0.0137	-4.2920	-0.0587	0.2520
Hirundo rustica	4	0.0061	-5.1029	-0.0310	0.1583
Horornis canturians	1	0.0015	-6.4892	-0.0099	0.0640
Phylloscopus inornatus	2	0.0030	-5.7961	-0.0176	0.1021
Phylloscopus fuscatus	2	0.0030	-5.7961	-0.0176	0.1021
Prinia flaviventris	2	0.0030	-5.7961	-0.0176	0.1021
Prinia inornata	2	0.0030	-5.7961	-0.0176	0.1021
Orthotomus sutorius	2	0.0030	-5.7961	-0.0176	0.1021

Scientific Name	Count	P	Ln(P)	P*Ln(P)	$P*Ln(P)^2$
Pterorhinus perspicillatus	7	0.0106	-4.5433	-0.0483	0.2196
Acridotheres cristatellus	34	0.0517	-2.9628	-0.1531	0.4536
Acridotheres tristis	8	0.0122	-4.4098	-0.0536	0.2364
Spodiopsar sericeus	12	0.0182	-4.0043	-0.0730	0.2924
Gracupica nigricollis	37	0.0562	-2.8783	-0.1618	0.4658
Sturnia sinensis	2	0.0030	-5.7961	-0.0176	0.1021
Copsychus saularis	1	0.0015	-6.4892	-0.0099	0.0640
Saxicola stejnegeri	2	0.0030	-5.7961	-0.0176	0.1021
Passer montanus	12	0.0182	-4.0043	-0.0730	0.2924
Motacilla tschutschensis	6	0.0091	-4.6974	-0.0428	0.2012
Motacilla alba	7	0.0106	-4.5433	-0.0483	0.2196
Emberiza pusilla	4	0.0061	-5.1029	-0.0310	0.1583
Emberiza spodocephala	2	0.0030	-5.7961	-0.0176	0.1021
Total	658	1	-309.7981	-3.3273	12.2943
Richness	62				
SS	12.2943				
SQ	11.0711				
H	3.3273				
S^2H	0.0019				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (3 & 12 February 2026)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Spatula clypeata	22	0.0385	-3.2581	-0.1253	0.4083
Mareca penelope	51	0.0892	-2.4173	-0.2155	0.5210
Anas crecca	36	0.0629	-2.7656	-0.1741	0.4814
Aythya fuligula	3	0.0052	-5.2505	-0.0275	0.1446
Tachybaptus ruficollis	7	0.0122	-4.4032	-0.0539	0.2373
Nycticorax nycticorax	2	0.0035	-5.6560	-0.0198	0.1119
Ardeola bacchus	42	0.0734	-2.6115	-0.1918	0.5008
Ardea cinerea	2	0.0035	-5.6560	-0.0198	0.1119
Ardea alba	4	0.0070	-4.9628	-0.0347	0.1722
Ardea intermedia	1	0.0017	-6.3491	-0.0111	0.0705
Egretta garzetta	3	0.0052	-5.2505	-0.0275	0.1446
Phalacrocorax carbo	73	0.1276	-2.0587	-0.2627	0.5409
Milvus migrans	2	0.0035	-5.6560	-0.0198	0.1119
Buteo japonicus	1	0.0017	-6.3491	-0.0111	0.0705
Himantopus himantopus	73	0.1276	-2.0587	-0.2627	0.5409
Recurvirostra avosetta	38	0.0664	-2.7116	-0.1801	0.4885
Charadrius dubius	2	0.0035	-5.6560	-0.0198	0.1119
Tringa totanus	25	0.0437	-3.1303	-0.1368	0.4283
Tringa stagnatilis	2	0.0035	-5.6560	-0.0198	0.1119
Tringa nebularia	19	0.0332	-3.4047	-0.1131	0.3850
Chroicocephalus ridibundus	24	0.0420	-3.1711	-0.1331	0.4219
Larus fuscus	2	0.0035	-5.6560	-0.0198	0.1119
Centropus sinensis	1	0.0017	-6.3491	-0.0111	0.0705
Otus lettia	1	0.0017	-6.3491	-0.0111	0.0705
Halcyon smyrnensis	1	0.0022	-6.1137	-0.0135	0.0827
Ceryle rudis	1	0.0022	-6.1137	-0.0135	0.0827
Spodiopsar sericeus	12	0.0265	-3.6288	-0.0963	0.3496
Sturnia sinensis	2	0.0044	-5.4205	-0.0240	0.1300
Total	452	1	-122.4128	-2.5802	7.5052
Richness	28				
SS	7.5052				
SQ	6.6576				
H	2.5802				
S^2H	0.001941				

Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (3 & 12 February 2026)

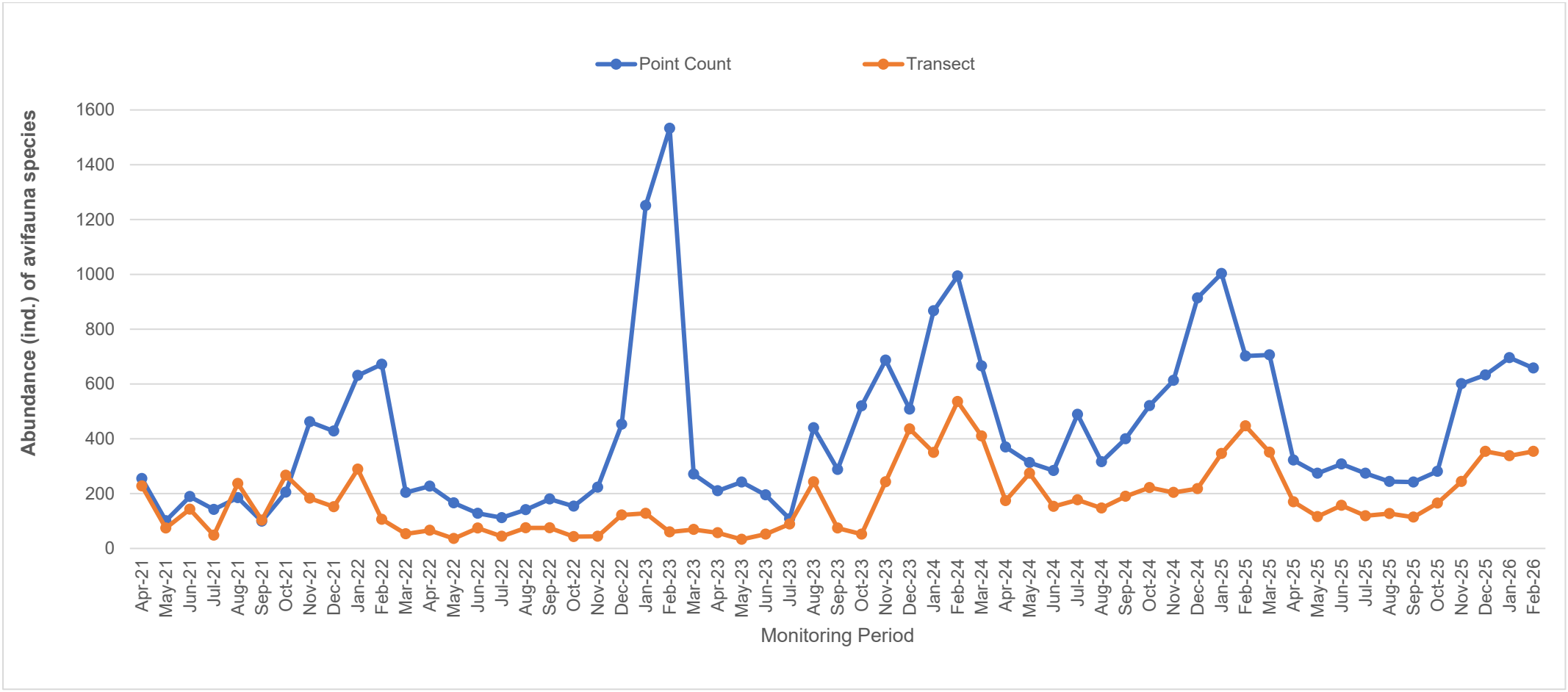
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Spatula clypeata	28	0.0791	-2.5371	-0.2007	0.5091
Anas crecca	18	0.0508	-2.9789	-0.1515	0.4512
Aythya fuligula	8	0.0226	-3.7899	-0.0856	0.3246
Ardeola bacchus	8	0.0226	-3.7899	-0.0856	0.3246
Ardea cinerea	3	0.0085	-4.7707	-0.0404	0.1929
Ardea alba	3	0.0085	-4.7707	-0.0404	0.1929
Egretta garzetta	3	0.0085	-4.7707	-0.0404	0.1929
Phalacrocorax carbo	8	0.0226	-3.7899	-0.0856	0.3246
Milvus migrans	3	0.0085	-4.7707	-0.0404	0.1929
Gallinula chloropus	1	0.0028	-5.8693	-0.0166	0.0973
Himantopus himantopus	67	0.1893	-1.6646	-0.3151	0.5244
Recurvirostra avosetta	22	0.0621	-2.7783	-0.1727	0.4797
Actitis hypoleucos	1	0.0028	-5.8693	-0.0166	0.0973
Tringa totanus	28	0.0791	-2.5371	-0.2007	0.5091
Tringa erythropus	1	0.0028	-5.8693	-0.0166	0.0973
Tringa nebularia	6	0.0169	-4.0775	-0.0691	0.2818
Chroicocephalus ridibundus	29	0.0819	-2.5020	-0.2050	0.5128
Spilopelia chinensis	2	0.0056	-5.1761	-0.0292	0.1514
Centropus sinensis	2	0.0056	-5.1761	-0.0292	0.1514
Cyanopica cyanus	3	0.0085	-4.7707	-0.0404	0.1929
Parus minor	4	0.0113	-4.4830	-0.0507	0.2271
Pycnonotus jocosus	4	0.0113	-4.4830	-0.0507	0.2271
Pycnonotus sinensis	8	0.0226	-3.7899	-0.0856	0.3246
Phylloscopus inornatus	2	0.0056	-5.1761	-0.0292	0.1514
Phylloscopus fuscatus	2	0.0056	-5.1761	-0.0292	0.1514
Prinia flaviventris	3	0.0085	-4.7707	-0.0404	0.1929
Prinia inornata	6	0.0169	-4.0775	-0.0691	0.2818
Orthotomus sutorius	3	0.0085	-4.7707	-0.0404	0.1929
Pterorhinus perspicillatus	4	0.0113	-4.4830	-0.0507	0.2271
Zosterops simplex	7	0.0198	-3.9234	-0.0776	0.3044
Acridotheres cristatellus	24	0.0678	-2.6912	-0.1825	0.4910
Spodiopsar sericeus	20	0.0565	-2.8736	-0.1623	0.4665
Gracupica nigricollis	13	0.0367	-3.3043	-0.1213	0.4010
Copsychus saularis	1	0.0028	-5.8693	-0.0166	0.0973
Luscinia svecica	1	0.0028	-5.8693	-0.0166	0.0973
Saxicola stejnegeri	1	0.0028	-5.8693	-0.0166	0.0973
Motacilla tschutschensis	1	0.0028	-5.8693	-0.0166	0.0973
Motacilla alba	3	0.0085	-4.7707	-0.0404	0.1929
Emberiza spodocephala	3	0.0085	-4.7707	-0.0404	0.1929
Total	354	1	-169.2799	-3.0189	10.2151
Richness	39				
SS	10.2151				
SQ	9.1138				

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
H	3.0189				
S^2H	0.003263				

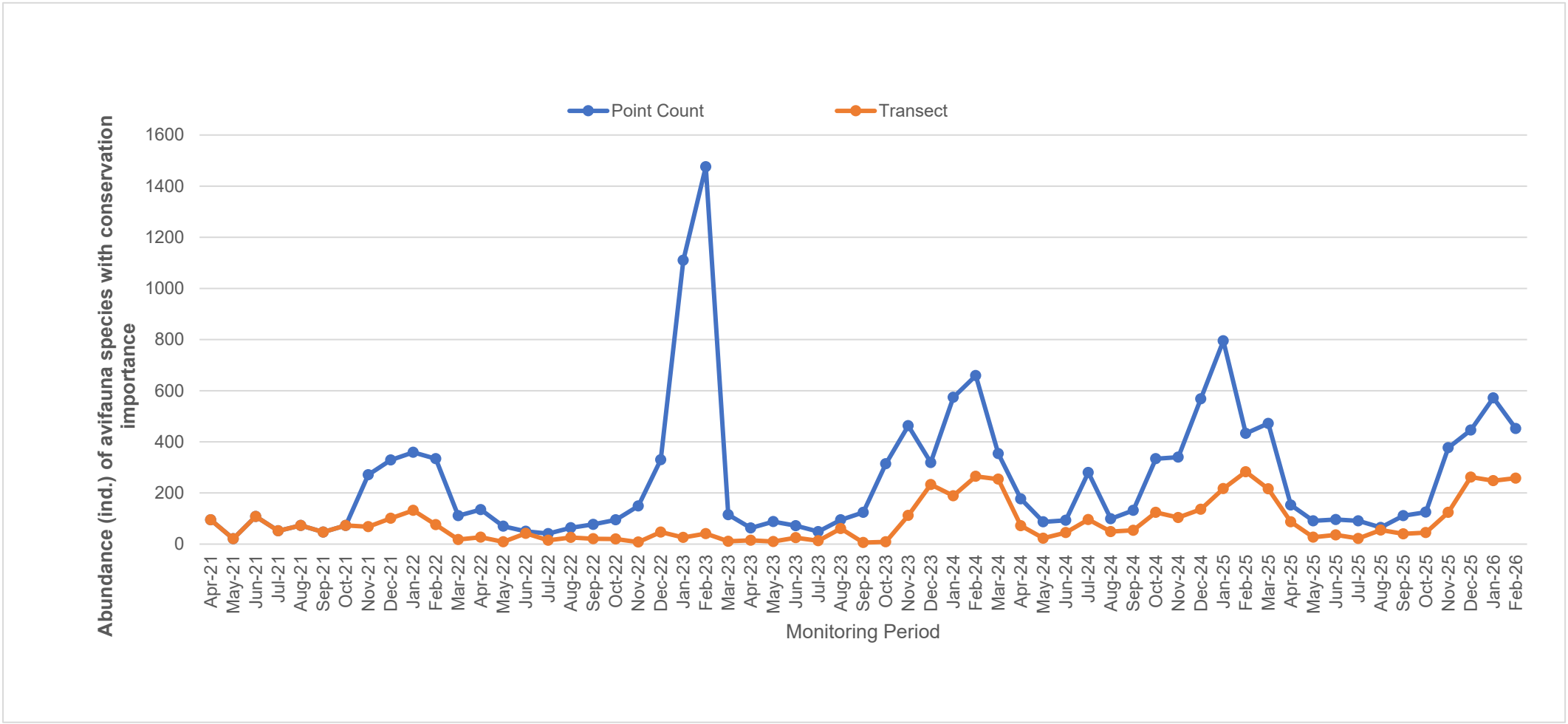
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (3 & 12 February 2026)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	$P*Ln(P)^2$
Spatula clypeata	28	0.1085	-2.2208	-0.2410	0.5352
Anas crecca	18	0.0698	-2.6626	-0.1858	0.4946
Aythya fuligula	8	0.0310	-3.4735	-0.1077	0.3741
Ardeola bacchus	8	0.0310	-3.4735	-0.1077	0.3741
Ardea cinerea	3	0.0116	-4.4543	-0.0518	0.2307
Ardea alba	3	0.0116	-4.4543	-0.0518	0.2307
Egretta garzetta	3	0.0116	-4.4543	-0.0518	0.2307
Phalacrocorax carbo	8	0.0310	-3.4735	-0.1077	0.3741
Milvus migrans	3	0.0116	-4.4543	-0.0518	0.2307
Himantopus himantopus	67	0.2597	-1.3483	-0.3501	0.4721
Recurvirostra avosetta	22	0.0853	-2.4619	-0.2099	0.5168
Tringa totanus	28	0.1085	-2.2208	-0.2410	0.5352
Tringa erythropus	1	0.0039	-5.5530	-0.0215	0.1195
Tringa nebularia	6	0.0233	-3.7612	-0.0875	0.3290
Chroicocephalus ridibundus	29	0.1124	-2.1857	-0.2457	0.5370
Centropus sinensis	2	0.0078	-4.8598	-0.0377	0.1831
Spodiopsar sericeus	20	0.0775	-2.5572	-0.1982	0.5069
Luscinia svecica	1	0.0039	-5.5530	-0.0215	0.1195
Total	258	1	-63.6220	-2.3702	6.3942
Richness	18				
SS	6.3942				
SQ	5.6181				
H	2.3702				
S^2H	0.00314				

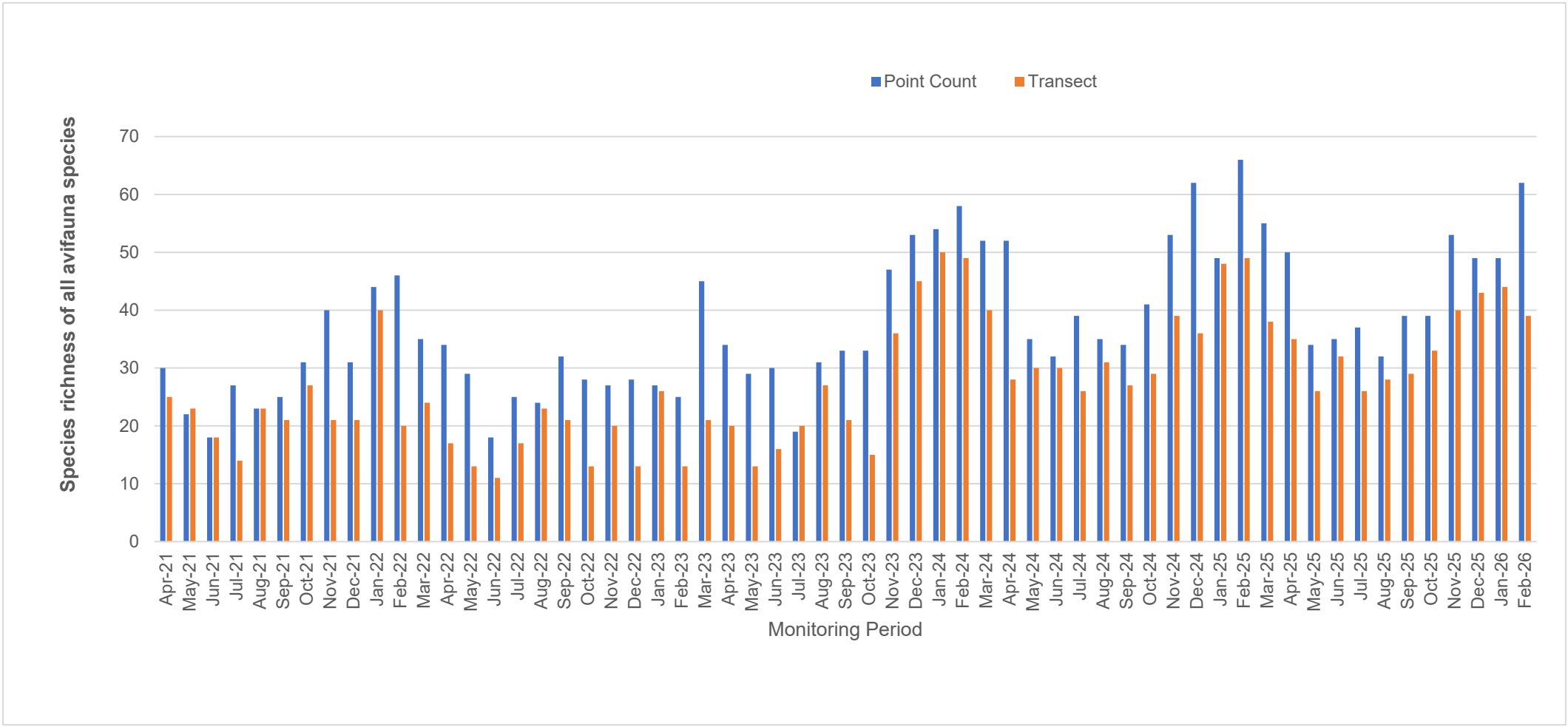
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



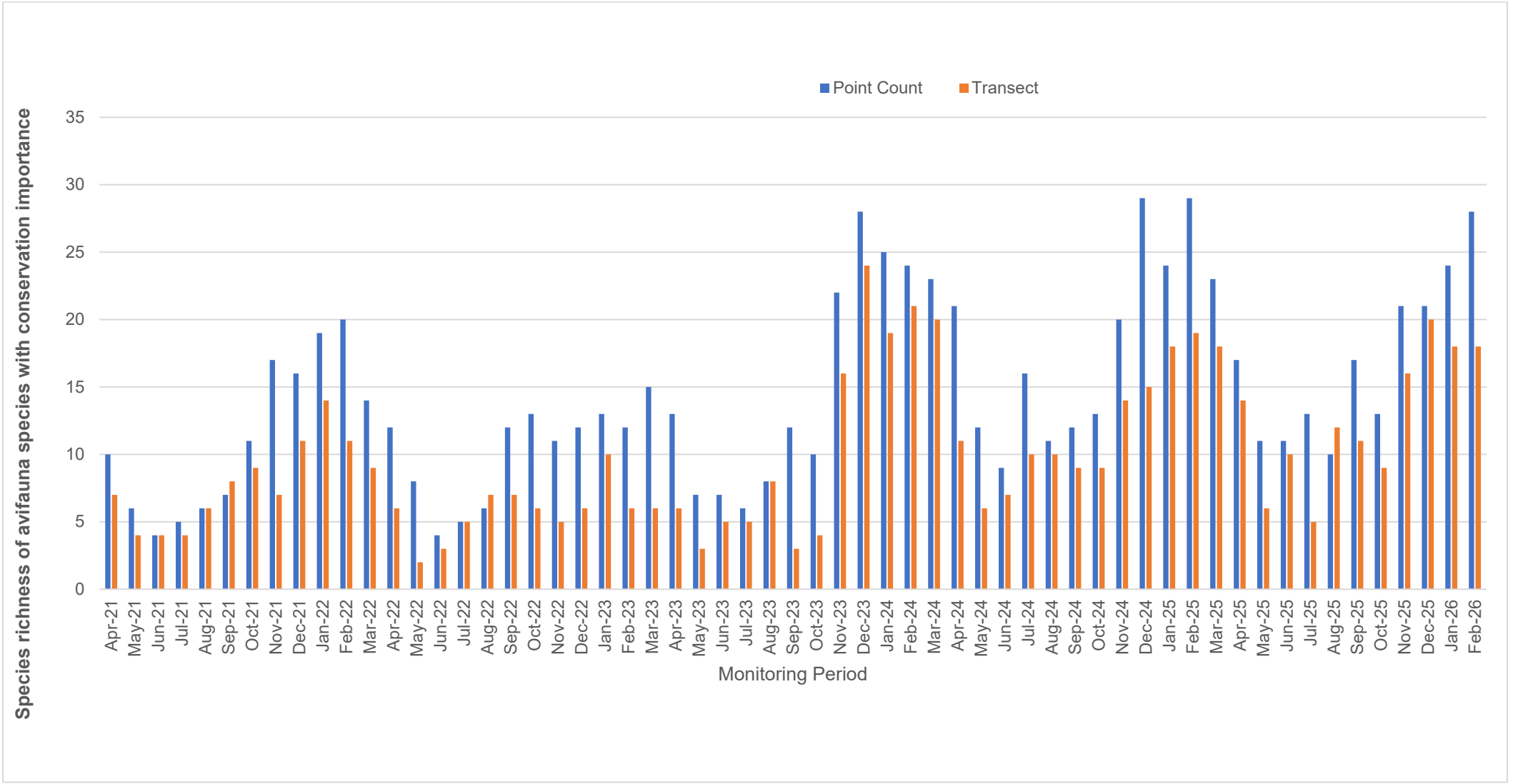
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



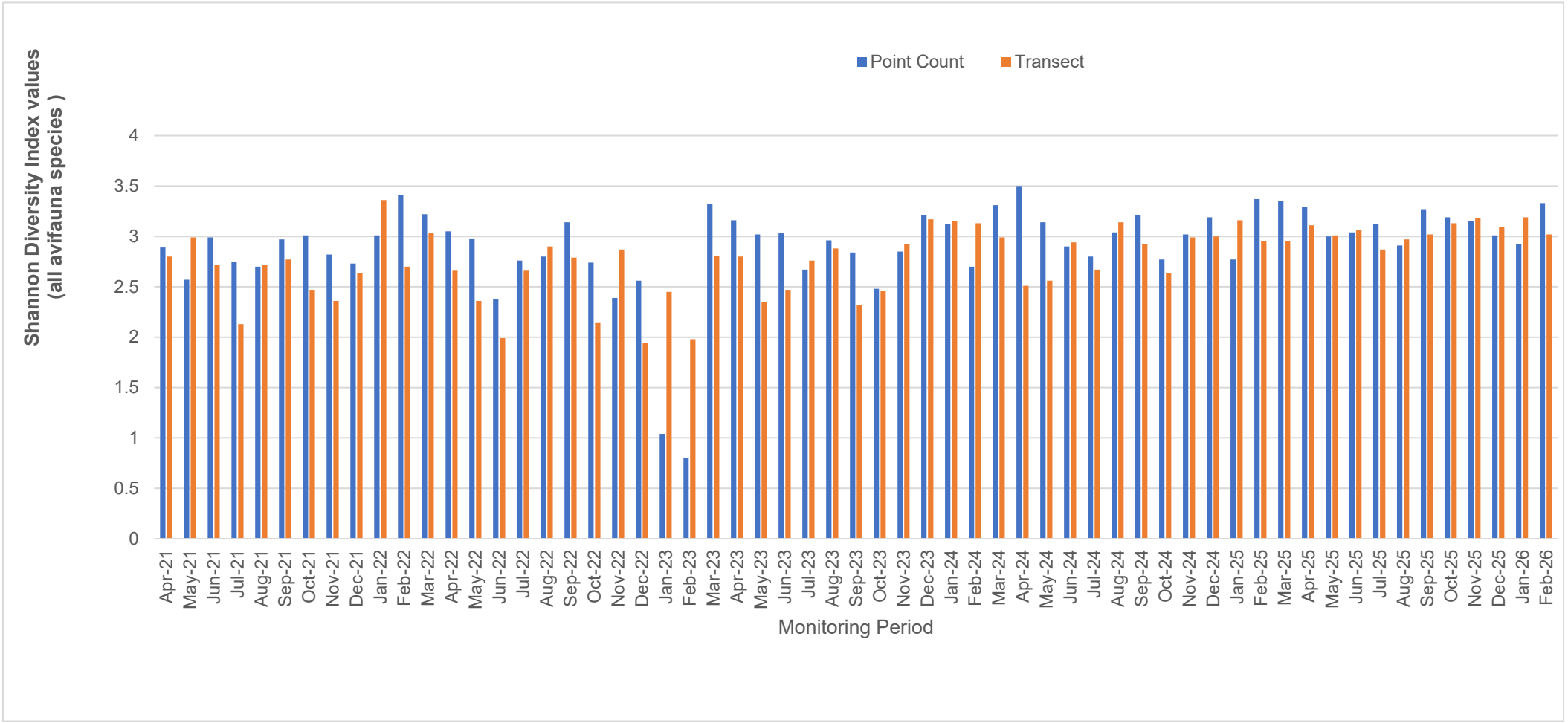
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



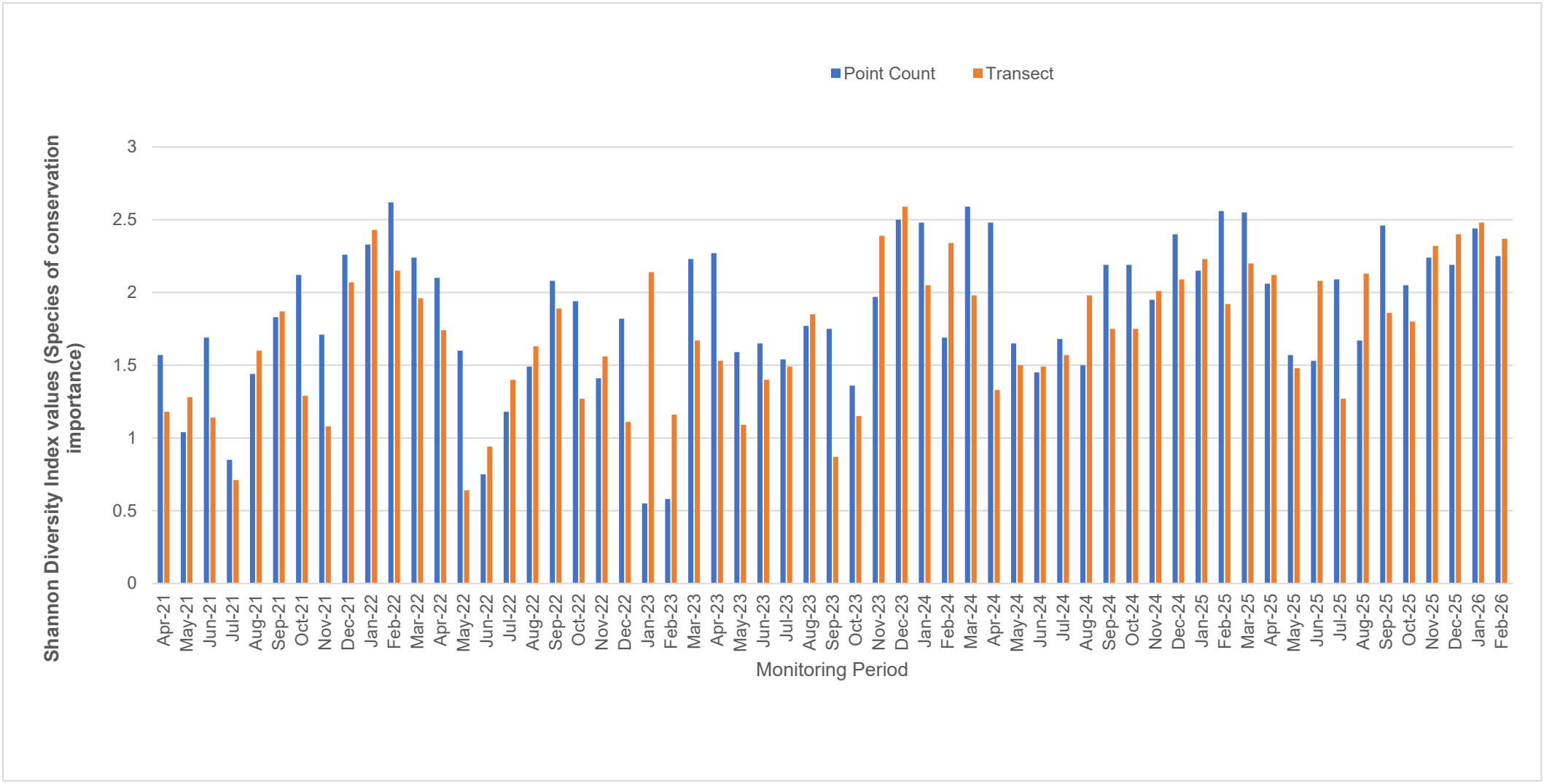
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



Appendix F.5.1 Shannon Diversity Index values of all avifauna species throughout the monitoring period



Appendix F.5.2 Shannon Diversity Index values of avifauna species with conservation importance throughout the monitoring period



Appendix F.6. Hutcheson t-test testing method and output

Formula:

$$t = \frac{H_a - H_b}{\sqrt{s^2_{H_a} + s^2_{H_b}}}$$

Appendix F.6.1 Species diversity of all avifauna species – Point Count Method

Months	February 2017	February 2026
Total	642	658
Richness	58	62
H	3.3240	3.3273
S^2H	0.001934	0.001929
t	0.0531	
df	1299.7626	
Crit	1.9618	
p	9.58E-01	
CI	0.0880	0.0878

Appendix F.6.2 Species diversity of all avifauna species – Transect Walk Method

Months	February 2017	February 2026
Total	2	354
Richness	1	39
H	0.0000	3.0189
S^2H	0.00000	0.003263
t	52.8516	
df	354.0000	
Crit	1.9667	
p	4.91E-170	
CI	0.0000	0.1142

Appendix F.6.3 Species diversity of avifauna species with conservation importance – Point Count Method

Months	February 2017	February 2026
Total	447	452
Richness	26	28
H	2.6789	2.5802
S^2H	0.002000	0.00194132
t	1.5715	
df	898.6242	
Crit	1.9626	
p	1.16E-01	
CI	0.0894	0.0881

Appendix F.6.4 Species diversity of avifauna species with conservation importance – Transect Walk Method

Months	February 2017	February 2026
Total	2	258
Richness	1	18
H	0.0000	2.3702
S^2H	0.00000	0.00314
t	42.3265	
df	258.0000	
Crit	1.9692	
p	4.17E-118	
CI	0.0000	0.1120

Appendix G
Wind Data

Date	Wind Speed (m/s)	Wind Direction
1/02/2026 0:00	1.5	S
1/02/2026 1:00	7.6	E
1/02/2026 2:00	2.4	E
1/02/2026 3:00	0.6	S
1/02/2026 4:00	5.9	S
1/02/2026 5:00	0.2	E
1/02/2026 6:00	10.7	NW
1/02/2026 7:00	5.6	S
1/02/2026 8:00	1.2	S
1/02/2026 9:00	1.4	S
1/02/2026 10:00	4.0	E
1/02/2026 11:00	0.9	SW
1/02/2026 12:00	0.4	S
1/02/2026 13:00	1.7	E
1/02/2026 14:00	2.3	SE
1/02/2026 15:00	1.4	S
1/02/2026 16:00	2.8	SW
1/02/2026 17:00	3.5	SW
1/02/2026 18:00	0.6	S
1/02/2026 19:00	0.7	E
1/02/2026 20:00	0.4	NE
1/02/2026 21:00	2.2	S
1/02/2026 22:00	0.2	SE
1/02/2026 23:00	0.7	E
2/02/2026 0:00	1.3	E
2/02/2026 1:00	0.1	E
2/02/2026 2:00	0.2	S

Date	Wind Speed (m/s)	Wind Direction
2/02/2026 3:00	0.2	S
2/02/2026 4:00	0.0	S
2/02/2026 5:00	0.0	SE
2/02/2026 6:00	0.1	S
2/02/2026 7:00	0.1	S
2/02/2026 8:00	0.0	S
2/02/2026 9:00	0.2	S
2/02/2026 10:00	1.1	SE
2/02/2026 11:00	0.1	SE
2/02/2026 12:00	0.0	S
2/02/2026 13:00	3.2	S
2/02/2026 14:00	0.3	S
2/02/2026 15:00	0.1	SE
2/02/2026 16:00	0.9	SE
2/02/2026 17:00	0.2	N
2/02/2026 18:00	0.0	SW
2/02/2026 19:00	3.7	NW
2/02/2026 20:00	4.1	N
2/02/2026 21:00	0.2	NW
2/02/2026 22:00	4.0	E
2/02/2026 23:00	0.3	S
3/02/2026 0:00	0.7	SE
3/02/2026 1:00	0.1	SE
3/02/2026 2:00	0.1	SE
3/02/2026 3:00	0.1	SE
3/02/2026 4:00	0.1	E
3/02/2026 5:00	0.1	E

Date	Wind Speed (m/s)	Wind Direction
3/02/2026 6:00	0.0	S
3/02/2026 7:00	0.0	S
3/02/2026 8:00	0.1	SE
3/02/2026 9:00	0.0	S
3/02/2026 10:00	0.1	S
3/02/2026 11:00	0.0	SE
3/02/2026 12:00	0.0	SE
3/02/2026 13:00	0.0	S
3/02/2026 14:00	0.4	S
3/02/2026 15:00	0.6	S
3/02/2026 16:00	1.2	S
3/02/2026 17:00	1.1	NE
3/02/2026 18:00	1.6	E
3/02/2026 19:00	0.9	E
3/02/2026 20:00	0.1	S
3/02/2026 21:00	1.0	SE
3/02/2026 22:00	1.0	S
3/02/2026 23:00	6.5	S
4/02/2026 0:00	1.0	SE
4/02/2026 1:00	0.2	SW
4/02/2026 2:00	0.1	SE
4/02/2026 3:00	0.1	S
4/02/2026 4:00	0.1	SE
4/02/2026 5:00	0.0	S
4/02/2026 6:00	0.0	S
4/02/2026 7:00	0.0	SW
4/02/2026 8:00	0.1	S

Date	Wind Speed (m/s)	Wind Direction
4/02/2026 9:00	0.1	S
4/02/2026 10:00	0.1	S
4/02/2026 11:00	0.1	S
4/02/2026 12:00	0.0	S
4/02/2026 13:00	0.0	S
4/02/2026 14:00	0.0	SW
4/02/2026 15:00	2.5	SE
4/02/2026 16:00	1.5	S
4/02/2026 17:00	1.6	S
4/02/2026 18:00	2.1	S
4/02/2026 19:00	0.9	S
4/02/2026 20:00	0.0	S
4/02/2026 21:00	0.2	SE
4/02/2026 22:00	2.6	W
4/02/2026 23:00	1.3	NE
5/02/2026 0:00	1.1	W
5/02/2026 1:00	0.3	S
5/02/2026 2:00	0.1	S
5/02/2026 3:00	0.0	S
5/02/2026 4:00	0.0	S
5/02/2026 5:00	0.0	S
5/02/2026 6:00	0.1	S
5/02/2026 7:00	0.1	S
5/02/2026 8:00	0.0	S
5/02/2026 9:00	0.1	S
5/02/2026 10:00	0.0	SE
5/02/2026 11:00	0.0	S

Date	Wind Speed (m/s)	Wind Direction
5/02/2026 12:00	0.1	S
5/02/2026 13:00	0.1	SW
5/02/2026 14:00	0.0	NE
5/02/2026 15:00	0.3	S
5/02/2026 16:00	0.4	SE
5/02/2026 17:00	0.3	NE
5/02/2026 18:00	0.0	NE
5/02/2026 19:00	0.1	N
5/02/2026 20:00	1.2	SE
5/02/2026 21:00	0.2	NE
5/02/2026 22:00	1.0	S
5/02/2026 23:00	0.1	SE
6/02/2026 0:00	1.4	SW
6/02/2026 1:00	0.1	W
6/02/2026 2:00	0.1	S
6/02/2026 3:00	0.1	S
6/02/2026 4:00	0.0	S
6/02/2026 5:00	0.0	SE
6/02/2026 6:00	0.1	S
6/02/2026 7:00	0.1	S
6/02/2026 8:00	0.1	E
6/02/2026 9:00	0.0	E
6/02/2026 10:00	0.1	E
6/02/2026 11:00	0.0	NE
6/02/2026 12:00	0.0	NE
6/02/2026 13:00	0.1	NE
6/02/2026 14:00	0.0	E

Date	Wind Speed (m/s)	Wind Direction
6/02/2026 15:00	0.0	NE
6/02/2026 16:00	0.0	NE
6/02/2026 17:00	1.1	NE
6/02/2026 18:00	0.1	E
6/02/2026 19:00	1.5	NE
6/02/2026 20:00	0.7	E
6/02/2026 21:00	0.2	E
6/02/2026 22:00	0.7	SE
6/02/2026 23:00	2.5	NE
7/02/2026 0:00	0.5	E
7/02/2026 1:00	0.3	NE
7/02/2026 2:00	0.0	NE
7/02/2026 3:00	0.1	NE
7/02/2026 4:00	0.0	N
7/02/2026 5:00	0.0	E
7/02/2026 6:00	0.0	NE
7/02/2026 7:00	0.1	E
7/02/2026 8:00	0.0	NE
7/02/2026 9:00	0.1	E
7/02/2026 10:00	0.0	NE
7/02/2026 11:00	0.1	E
7/02/2026 12:00	0.1	NE
7/02/2026 13:00	0.1	N
7/02/2026 14:00	0.1	NE
7/02/2026 15:00	0.0	NE
7/02/2026 16:00	0.3	N
7/02/2026 17:00	0.3	E

Date	Wind Speed (m/s)	Wind Direction
7/02/2026 18:00	0.9	NE
7/02/2026 19:00	4.7	NE
7/02/2026 20:00	3.5	NE
7/02/2026 21:00	2.5	N
7/02/2026 22:00	1.0	NE
7/02/2026 23:00	2.3	NE
8/02/2026 0:00	3.6	E
8/02/2026 1:00	0.7	N
8/02/2026 2:00	0.5	E
8/02/2026 3:00	0.1	NE
8/02/2026 4:00	0.1	NE
8/02/2026 5:00	0.1	N
8/02/2026 6:00	0.0	NE
8/02/2026 7:00	0.1	NE
8/02/2026 8:00	0.1	NE
8/02/2026 9:00	0.0	NE
8/02/2026 10:00	0.1	E
8/02/2026 11:00	0.1	E
8/02/2026 12:00	0.1	NE
8/02/2026 13:00	0.1	E
8/02/2026 14:00	0.1	NE
8/02/2026 15:00	0.1	NE
8/02/2026 16:00	0.1	NE
8/02/2026 17:00	1.6	NE
8/02/2026 18:00	0.5	E
8/02/2026 19:00	0.0	NE
8/02/2026 20:00	0.1	NE

Date	Wind Speed (m/s)	Wind Direction
8/02/2026 21:00	1.3	E
8/02/2026 22:00	0.3	E
8/02/2026 23:00	0.9	E
9/02/2026 0:00	2.1	E
9/02/2026 1:00	1.7	NW
9/02/2026 2:00	2.7	NE
9/02/2026 3:00	0.3	NE
9/02/2026 4:00	0.2	E
9/02/2026 5:00	0.1	NE
9/02/2026 6:00	0.0	NE
9/02/2026 7:00	0.0	NW
9/02/2026 8:00	0.1	NE
9/02/2026 9:00	0.0	E
9/02/2026 10:00	0.1	NE
9/02/2026 11:00	0.1	S
9/02/2026 12:00	0.0	S
9/02/2026 13:00	0.0	SE
9/02/2026 14:00	0.0	S
9/02/2026 15:00	0.1	S
9/02/2026 16:00	0.3	SE
9/02/2026 17:00	0.1	SE
9/02/2026 18:00	0.6	S
9/02/2026 19:00	0.9	S
9/02/2026 20:00	3.8	S
9/02/2026 21:00	1.4	S
9/02/2026 22:00	0.8	NE
9/02/2026 23:00	0.2	E

Date	Wind Speed (m/s)	Wind Direction
10/02/2026 0:00	0.1	E
10/02/2026 1:00	0.5	E
10/02/2026 2:00	0.5	E
10/02/2026 3:00	0.1	NE
10/02/2026 4:00	0.4	NE
10/02/2026 5:00	0.1	NE
10/02/2026 6:00	0.5	N
10/02/2026 7:00	1.5	NE
10/02/2026 8:00	0.1	E
10/02/2026 9:00	0.6	NE
10/02/2026 10:00	0.1	NE
10/02/2026 11:00	0.0	E
10/02/2026 12:00	0.0	NE
10/02/2026 13:00	0.1	NE
10/02/2026 14:00	0.4	NE
10/02/2026 15:00	0.3	N
10/02/2026 16:00	5.2	SE
10/02/2026 17:00	0.4	NE
10/02/2026 18:00	1.6	W
10/02/2026 19:00	2.1	NE
10/02/2026 20:00	2.8	NE
10/02/2026 21:00	2.4	NE
10/02/2026 22:00	0.7	E
10/02/2026 23:00	4.9	NE
11/02/2026 0:00	1.3	NE
11/02/2026 1:00	1.3	E
11/02/2026 2:00	0.7	E

Date	Wind Speed (m/s)	Wind Direction
11/02/2026 3:00	0.7	E
11/02/2026 4:00	0.7	NE
11/02/2026 5:00	0.5	SE
11/02/2026 6:00	0.2	S
11/02/2026 7:00	0.1	N
11/02/2026 8:00	0.3	N
11/02/2026 9:00	0.1	NE
11/02/2026 10:00	0.1	NE
11/02/2026 11:00	0.1	NW
11/02/2026 12:00	0.3	NE
11/02/2026 13:00	0.1	NE
11/02/2026 14:00	0.1	NE
11/02/2026 15:00	0.1	E
11/02/2026 16:00	1.2	NE
11/02/2026 17:00	0.1	E
11/02/2026 18:00	3.4	NW
11/02/2026 19:00	3.6	NE
11/02/2026 20:00	1.1	NE
11/02/2026 21:00	1.9	E
11/02/2026 22:00	1.2	NE
11/02/2026 23:00	1.0	NE
12/02/2026 0:00	1.9	NE
12/02/2026 1:00	0.8	NE
12/02/2026 2:00	0.1	SE
12/02/2026 3:00	3.9	S
12/02/2026 4:00	0.3	SW
12/02/2026 5:00	1.1	SE

Date	Wind Speed (m/s)	Wind Direction
12/02/2026 6:00	0.1	S
12/02/2026 7:00	0.1	S
12/02/2026 8:00	0.2	S
12/02/2026 9:00	0.1	S
12/02/2026 10:00	0.1	NW
12/02/2026 11:00	0.0	SE
12/02/2026 12:00	0.3	SE
12/02/2026 13:00	0.1	SE
12/02/2026 14:00	0.2	E
12/02/2026 15:00	0.1	NE
12/02/2026 16:00	0.1	NE
12/02/2026 17:00	0.1	NW
12/02/2026 18:00	0.0	NE
12/02/2026 19:00	0.0	E
12/02/2026 20:00	0.2	N
12/02/2026 21:00	0.5	E
12/02/2026 22:00	0.3	W
12/02/2026 23:00	0.4	S
13/02/2026 0:00	0.5	S
13/02/2026 1:00	0.1	S
13/02/2026 2:00	0.4	S
13/02/2026 3:00	0.0	SE
13/02/2026 4:00	0.4	S
13/02/2026 5:00	0.2	SE
13/02/2026 6:00	0.1	N
13/02/2026 7:00	0.1	E
13/02/2026 8:00	0.1	SE

Date	Wind Speed (m/s)	Wind Direction
13/02/2026 9:00	0.1	E
13/02/2026 10:00	0.0	S
13/02/2026 11:00	0.1	E
13/02/2026 12:00	0.1	E
13/02/2026 13:00	0.1	S
13/02/2026 14:00	0.1	NE
13/02/2026 15:00	0.6	NE
13/02/2026 16:00	0.0	E
13/02/2026 17:00	0.4	E
13/02/2026 18:00	0.1	NE
13/02/2026 19:00	0.1	NE
13/02/2026 20:00	0.5	W
13/02/2026 21:00	0.0	W
13/02/2026 22:00	0.4	S
13/02/2026 23:00	0.5	S
14/02/2026 0:00	0.1	S
14/02/2026 1:00	0.2	S
14/02/2026 2:00	0.6	S
14/02/2026 3:00	0.9	S
14/02/2026 4:00	0.9	NE
14/02/2026 5:00	0.8	N
14/02/2026 6:00	0.1	NW
14/02/2026 7:00	0.1	S
14/02/2026 8:00	0.0	E
14/02/2026 9:00	0.1	S
14/02/2026 10:00	0.1	SE
14/02/2026 11:00	0.1	S

Date	Wind Speed (m/s)	Wind Direction
14/02/2026 12:00	0.1	SE
14/02/2026 13:00	0.2	S
14/02/2026 14:00	0.0	SE
14/02/2026 15:00	0.0	E
14/02/2026 16:00	0.1	NE
14/02/2026 17:00	0.1	NE
14/02/2026 18:00	0.0	SE
14/02/2026 19:00	0.0	N
14/02/2026 20:00	0.0	W
14/02/2026 21:00	0.7	W
14/02/2026 22:00	1.2	W
14/02/2026 23:00	0.2	S
15/02/2026 0:00	4.4	S
15/02/2026 1:00	1.7	S
15/02/2026 2:00	0.1	SE
15/02/2026 3:00	0.0	S
15/02/2026 4:00	0.1	SE
15/02/2026 5:00	1.2	SE
15/02/2026 6:00	0.1	W
15/02/2026 7:00	0.0	N
15/02/2026 8:00	0.1	S
15/02/2026 9:00	0.1	S
15/02/2026 10:00	0.0	S
15/02/2026 11:00	0.1	S
15/02/2026 12:00	0.1	S
15/02/2026 13:00	0.0	S
15/02/2026 14:00	0.0	NE

Date	Wind Speed (m/s)	Wind Direction
15/02/2026 15:00	0.1	NE
15/02/2026 16:00	0.1	SW
15/02/2026 17:00	0.0	W
15/02/2026 18:00	0.0	W
15/02/2026 19:00	0.1	NW
15/02/2026 20:00	0.2	SW
15/02/2026 21:00	0.0	NE
15/02/2026 22:00	0.1	NW
15/02/2026 23:00	0.0	SW
16/02/2026 0:00	0.0	S
16/02/2026 1:00	0.2	S
16/02/2026 2:00	0.2	S
16/02/2026 3:00	0.4	SE
16/02/2026 4:00	0.1	SE
16/02/2026 5:00	0.8	NE
16/02/2026 6:00	1.0	S
16/02/2026 7:00	0.0	S
16/02/2026 8:00	0.0	S
16/02/2026 9:00	0.1	SE
16/02/2026 10:00	0.1	SE
16/02/2026 11:00	0.1	S
16/02/2026 12:00	0.1	S
16/02/2026 13:00	0.1	S
16/02/2026 14:00	0.0	S
16/02/2026 15:00	0.0	NE
16/02/2026 16:00	0.0	NW
16/02/2026 17:00	0.0	W

Date	Wind Speed (m/s)	Wind Direction
16/02/2026 18:00	0.0	S
16/02/2026 19:00	0.1	E
16/02/2026 20:00	0.1	N
16/02/2026 21:00	0.2	N
16/02/2026 22:00	0.0	NW
16/02/2026 23:00	0.0	NE
17/02/2026 0:00	0.1	SE
17/02/2026 1:00	0.6	E
17/02/2026 2:00	0.3	W
17/02/2026 3:00	0.2	NW
17/02/2026 4:00	0.2	E
17/02/2026 5:00	1.6	SE
17/02/2026 6:00	1.1	E
17/02/2026 7:00	0.2	S
17/02/2026 8:00	0.0	E
17/02/2026 9:00	0.0	W
17/02/2026 10:00	0.1	S
17/02/2026 11:00	0.0	SE
17/02/2026 12:00	0.0	S
17/02/2026 13:00	0.0	NE
17/02/2026 14:00	0.1	N
17/02/2026 15:00	0.1	S
17/02/2026 16:00	0.0	W
17/02/2026 17:00	0.1	E
17/02/2026 18:00	0.1	SE
17/02/2026 19:00	0.1	N
17/02/2026 20:00	0.1	SE

Date	Wind Speed (m/s)	Wind Direction
17/02/2026 21:00	0.0	N
17/02/2026 22:00	0.1	NE
17/02/2026 23:00	2.1	SE
18/02/2026 0:00	2.3	N
18/02/2026 1:00	0.1	E
18/02/2026 2:00	3.0	W
18/02/2026 3:00	0.2	SE
18/02/2026 4:00	0.3	S
18/02/2026 5:00	0.1	W
18/02/2026 6:00	0.9	N
18/02/2026 7:00	0.4	NW
18/02/2026 8:00	0.1	N
18/02/2026 9:00	0.3	E
18/02/2026 10:00	0.0	S
18/02/2026 11:00	0.1	S
18/02/2026 12:00	0.0	SE
18/02/2026 13:00	0.1	S
18/02/2026 14:00	0.1	N
18/02/2026 15:00	0.0	SE
18/02/2026 16:00	0.1	E
18/02/2026 17:00	0.0	NW
18/02/2026 18:00	0.1	E
18/02/2026 19:00	0.1	E
18/02/2026 20:00	0.0	E
18/02/2026 21:00	0.0	NW
18/02/2026 22:00	1.2	SE
18/02/2026 23:00	0.4	SE

Date	Wind Speed (m/s)	Wind Direction
19/02/2026 0:00	0.1	NW
19/02/2026 1:00	0.6	E
19/02/2026 2:00	2.5	SE
19/02/2026 3:00	0.2	NW
19/02/2026 4:00	0.2	NW
19/02/2026 5:00	0.1	SE
19/02/2026 6:00	0.0	N
19/02/2026 7:00	0.1	NW
19/02/2026 8:00	0.1	S
19/02/2026 9:00	0.1	S
19/02/2026 10:00	0.0	S
19/02/2026 11:00	0.0	S
19/02/2026 12:00	0.1	S
19/02/2026 13:00	0.1	S
19/02/2026 14:00	0.1	NE
19/02/2026 15:00	0.1	NW
19/02/2026 16:00	0.5	NE
19/02/2026 17:00	0.0	SE
19/02/2026 18:00	0.1	NE
19/02/2026 19:00	0.2	NW
19/02/2026 20:00	0.0	E
19/02/2026 21:00	0.5	SE
19/02/2026 22:00	0.5	SE
19/02/2026 23:00	2.0	NE
20/02/2026 0:00	0.0	NE
20/02/2026 1:00	0.3	E
20/02/2026 2:00	0.1	NE

Date	Wind Speed (m/s)	Wind Direction
20/02/2026 3:00	0.4	S
20/02/2026 4:00	0.8	W
20/02/2026 5:00	0.3	N
20/02/2026 6:00	0.0	NW
20/02/2026 7:00	0.3	W
20/02/2026 8:00	0.6	W
20/02/2026 9:00	1.9	N
20/02/2026 10:00	0.3	SW
20/02/2026 11:00	1.4	S
20/02/2026 12:00	0.1	S
20/02/2026 13:00	0.1	S
20/02/2026 14:00	0.7	NW
20/02/2026 15:00	0.9	S
20/02/2026 16:00	1.9	E
20/02/2026 17:00	1.1	SE
20/02/2026 18:00	0.6	SE
20/02/2026 19:00	1.3	SE
20/02/2026 20:00	1.5	S
20/02/2026 21:00	1.6	NW
20/02/2026 22:00	2.5	E
20/02/2026 23:00	3.7	E
21/02/2026 0:00	5.9	NW
21/02/2026 1:00	4.6	SE
21/02/2026 2:00	2.5	E
21/02/2026 3:00	0.2	E
21/02/2026 4:00	0.2	E
21/02/2026 5:00	3.9	S

Date	Wind Speed (m/s)	Wind Direction
21/02/2026 6:00	0.0	SW
21/02/2026 7:00	0.1	SE
21/02/2026 8:00	0.1	NE
21/02/2026 9:00	0.1	S
21/02/2026 10:00	0.1	E
21/02/2026 11:00	0.0	SE
21/02/2026 12:00	0.0	E
21/02/2026 13:00	0.1	E
21/02/2026 14:00	0.0	S
21/02/2026 15:00	0.1	NE
21/02/2026 16:00	0.1	S
21/02/2026 17:00	0.2	SE
21/02/2026 18:00	0.4	SE
21/02/2026 19:00	2.6	SE
21/02/2026 20:00	1.1	E
21/02/2026 21:00	0.6	SE
21/02/2026 22:00	0.0	E
21/02/2026 23:00	0.0	E
22/02/2026 0:00	0.0	E
22/02/2026 1:00	0.0	S
22/02/2026 2:00	0.1	NE
22/02/2026 3:00	0.1	E
22/02/2026 4:00	0.1	E
22/02/2026 5:00	0.1	E
22/02/2026 6:00	0.1	NE
22/02/2026 7:00	0.0	S
22/02/2026 8:00	0.1	NW

Date	Wind Speed (m/s)	Wind Direction
22/02/2026 9:00	0.1	S
22/02/2026 10:00	0.0	E
22/02/2026 11:00	0.0	NE
22/02/2026 12:00	0.1	NW
22/02/2026 13:00	0.1	NW
22/02/2026 14:00	0.1	N
22/02/2026 15:00	0.0	N
22/02/2026 16:00	0.6	NW
22/02/2026 17:00	1.8	N
22/02/2026 18:00	0.2	E
22/02/2026 19:00	0.1	NE
22/02/2026 20:00	0.1	NW
22/02/2026 21:00	2.1	NW
22/02/2026 22:00	2.2	N
22/02/2026 23:00	1.1	N
23/02/2026 0:00	0.0	E
23/02/2026 1:00	0.5	NE
23/02/2026 2:00	0.2	E
23/02/2026 3:00	0.2	NE
23/02/2026 4:00	0.1	E
23/02/2026 5:00	0.0	E
23/02/2026 6:00	0.0	E
23/02/2026 7:00	0.1	NE
23/02/2026 8:00	0.1	E
23/02/2026 9:00	0.0	W
23/02/2026 10:00	0.1	E
23/02/2026 11:00	0.1	NE

Date	Wind Speed (m/s)	Wind Direction
23/02/2026 12:00	0.0	S
23/02/2026 13:00	0.2	S
23/02/2026 14:00	0.0	S
23/02/2026 15:00	1.0	SE
23/02/2026 16:00	0.3	SE
23/02/2026 17:00	0.2	N
23/02/2026 18:00	0.6	SW
23/02/2026 19:00	2.4	NW
23/02/2026 20:00	7.9	N
23/02/2026 21:00	7.4	NW
23/02/2026 22:00	0.0	E
23/02/2026 23:00	0.9	S
24/02/2026 0:00	0.3	SE
24/02/2026 1:00	0.1	SE
24/02/2026 2:00	0.0	SE
24/02/2026 3:00	0.0	SE
24/02/2026 4:00	0.0	E
24/02/2026 5:00	0.2	E
24/02/2026 6:00	0.1	SE
24/02/2026 7:00	0.0	NW
24/02/2026 8:00	0.1	SE
24/02/2026 9:00	0.1	E
24/02/2026 10:00	0.0	S
24/02/2026 11:00	0.0	E
24/02/2026 12:00	0.1	SE
24/02/2026 13:00	0.1	SE
24/02/2026 14:00	0.2	SE

Date	Wind Speed (m/s)	Wind Direction
24/02/2026 15:00	0.3	SE
24/02/2026 16:00	5.6	NW
24/02/2026 17:00	0.8	E
24/02/2026 18:00	0.1	SE
24/02/2026 19:00	0.7	E
24/02/2026 20:00	0.9	SE
24/02/2026 21:00	0.4	E
24/02/2026 22:00	0.0	S
24/02/2026 23:00	0.1	E
25/02/2026 0:00	1.7	S
25/02/2026 1:00	0.2	NW
25/02/2026 2:00	0.2	N
25/02/2026 3:00	0.1	N
25/02/2026 4:00	0.1	S
25/02/2026 5:00	0.0	SE
25/02/2026 6:00	0.0	NE
25/02/2026 7:00	0.1	W
25/02/2026 8:00	0.0	SE
25/02/2026 9:00	0.1	E
25/02/2026 10:00	0.0	SW
25/02/2026 11:00	0.1	NE
25/02/2026 12:00	0.2	S
25/02/2026 13:00	0.1	S
25/02/2026 14:00	0.1	E
25/02/2026 15:00	0.7	E
25/02/2026 16:00	0.0	E
25/02/2026 17:00	0.0	W

Date	Wind Speed (m/s)	Wind Direction
25/02/2026 18:00	1.1	E
25/02/2026 19:00	1.1	SE
25/02/2026 20:00	0.2	NW
25/02/2026 21:00	0.0	S
25/02/2026 22:00	0.1	E
25/02/2026 23:00	0.0	E
26/02/2026 0:00	0.0	E
26/02/2026 1:00	0.4	E
26/02/2026 2:00	0.1	S
26/02/2026 3:00	0.0	NW
26/02/2026 4:00	0.6	N
26/02/2026 5:00	0.0	W
26/02/2026 6:00	1.1	SE
26/02/2026 7:00	1.6	S
26/02/2026 8:00	0.1	E
26/02/2026 9:00	0.1	W
26/02/2026 10:00	1.9	E
26/02/2026 11:00	1.1	SE
26/02/2026 12:00	4.2	SW
26/02/2026 13:00	5.0	SE
26/02/2026 14:00	0.1	NE
26/02/2026 15:00	1.0	S
26/02/2026 16:00	0.0	NE
26/02/2026 17:00	3.1	E
26/02/2026 18:00	5.6	E
26/02/2026 19:00	1.2	N
26/02/2026 20:00	3.1	NE

Date	Wind Speed (m/s)	Wind Direction
26/02/2026 21:00	3.6	NE
26/02/2026 22:00	0.1	SW
26/02/2026 23:00	0.9	E
27/02/2026 0:00	0.4	NE
27/02/2026 1:00	1.0	NE
27/02/2026 2:00	0.2	E
27/02/2026 3:00	2.3	E
27/02/2026 4:00	1.8	W
27/02/2026 5:00	0.2	E
27/02/2026 6:00	0.6	W
27/02/2026 7:00	0.6	NE
27/02/2026 8:00	0.3	N
27/02/2026 9:00	0.2	N
27/02/2026 10:00	0.1	NW
27/02/2026 11:00	0.3	SW
27/02/2026 12:00	0.2	W
27/02/2026 13:00	0.1	SW
27/02/2026 14:00	0.2	S
27/02/2026 15:00	0.6	SE
27/02/2026 16:00	0.5	SE
27/02/2026 17:00	0.5	S
27/02/2026 18:00	1.6	NE
27/02/2026 19:00	0.1	NE
27/02/2026 20:00	5.9	E
27/02/2026 21:00	0.7	NE
27/02/2026 22:00	0.3	NE
27/02/2026 23:00	0.1	E

Date	Wind Speed (m/s)	Wind Direction
28/02/2026 0:00	0.1	E
28/02/2026 1:00	1.8	SE
28/02/2026 2:00	0.1	E
28/02/2026 3:00	0.6	SE
28/02/2026 4:00	0.1	NE
28/02/2026 5:00	4.5	SE
28/02/2026 6:00	0.9	SE
28/02/2026 7:00	0.4	N
28/02/2026 8:00	0.8	W
28/02/2026 9:00	0.0	NW
28/02/2026 10:00	1.2	W
28/02/2026 11:00	1.8	W
28/02/2026 12:00	4.1	NW
28/02/2026 13:00	0.1	SW
28/02/2026 14:00	0.3	SE
28/02/2026 15:00	0.6	E
28/02/2026 16:00	0.4	E
28/02/2026 17:00	1.5	S
28/02/2026 18:00	0.6	S
28/02/2026 19:00	0.5	S
28/02/2026 20:00	0.7	SE
28/02/2026 21:00	0.0	SE
28/02/2026 22:00	0.0	N
28/02/2026 23:00	0.1	SW
1/03/2026 00:00	0.1	NW

Appendix H
Event and Action Plan

Event and Action Plan for Air Quality (Construction Dust)

Event	Action			
	ET	IEC	ER	Contractor
Action level being exceeded by	1. Identify source, investigate the causes of complaint and propose remedial measures; 2. Inform Contractor, IEC and ER; 3. Repeat measurement to confirm finding; and 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; and 3. Review and advise the ET and ER on the effectiveness of the proposed remedial measures.	1. Notify Contractor.	1. Identify source(s), investigate the causes of exceedance and propose remedial measures; 2. Implement remedial measures; and 3. Amend working methods agreed with the ER as appropriate.
Action level being exceeded by two or more consecutive sampling	1. Identify source; 2. Inform Contractor, IEC and ER; 3. Advise the Contractor and ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with Contractor, IEC and ER; and 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET, ER and Contractor on possible remedial measures; 4. Advise the ET and ER on the effectiveness of the proposed remedial measures; and 5. Supervise Implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Identify source and investigate the causes of exceedance; 2. Submit proposals for remedial measures to the ER with a copy to ET and IEC within three working days of notification; 3. Implement the agreed proposals; and 4. Amend proposal as appropriate.
Limit level being exceeded by one sampling	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform Contractor, IEC, ER, and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; and 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; and 5. Supervise implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to ER with a copy to ET and IEC within three working days of notification; 4. Implement the agreed proposals; and 5. Amend proposal if appropriate.
Limit level being exceeded by two or more consecutive sampling	1. Notify IEC, ER, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and ER to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by the ET; 2. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 3. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and 4. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented; 3. Supervise the implementation of remedial measures; and 4. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to the ER with a copy to the IEC and ET within three working days of notification; 4. Implement the agreed proposals; 5. Revise and resubmit proposals if problem still not under control; and 6. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Event and Action Plan for Noise (Construction)

Event	Action			
	ET	IEC	ER	Contractor
Action Level	1. Notify IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, ER and Contractor; 4. Discuss with the Contractor and formulate remedial measures; and 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the analyzed results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; and 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analyzed noise problem; and 4. Ensure remedial measures are properly implemented.	1. Submit noise mitigation proposals to IEC; and 2. Implement noise mitigation proposals.
Limit Level	1. Identify source; 2. Inform IEC, ER, EPD and Contractor; 3. Repeat measurements to confirm findings; 4. Increase monitoring frequency; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Inform IEC, ER and EPD the causes and actions taken for the exceedances; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring.	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analyzed noise problem; 4. Ensure remedial measures properly implemented; and 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; and 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Event and Action Plan for Water Quality Monitoring

Event	Action			
	ET	IEC	ER	Contractor
Action level being exceeded by one sampling	1. Repeat in situ measurement on the next day of exceedance to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s) and ER	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Inform EPD and AFCD.	1. Confirm receipt of notification of exceedance in writing	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice
Action level being exceeded by two or more consecutive sampling	1. Repeat in situ measurement on the next day of exceedance to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s) and ER; 5. Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Inform EPD and AFCD; 3. Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly; 4. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented. 3. Ensure additional mitigation measures are properly implemented.	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice; 3. Consider changes of working methods; 4. Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days; 5. Implement the agreed mitigation measures.
Limit level being exceeded by one sampling	1. Repeat in situ measurement on the next day of exceedance to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s) and ER; 5. Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Inform EPD and AFCD; 3. Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly; 4. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented. 3. Ensure additional mitigation measures are properly implemented. 4. Request Contractor(s) to critically review the working methods.	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice; 3. Critically review the need to change working methods; 4. Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days; 5. Implement the agreed mitigation measures.
Limit level being exceeded by two or more consecutive sampling	1. Repeat in situ measurement on the next day of exceedance to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s) and ER; 5. Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Inform EPD and AFCD; 3. Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly; 4. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented. 3. Ensure additional mitigation measures are properly implemented. 4. Request Contractor(s) to critically review the working methods.	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice; 3. Critically review the need to change working methods; 4. Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days; 5. Implement the agreed mitigation measures.

Event and Action Plan for Ecology Monitoring

Event	Action			
	ET	IEC	ER	Contractor
Action Level	1. Notify IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, ER and Contractor; 4. Discuss with the Contractor and formulate remedial measures; and 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the analyzed results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; and 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analyzed noise problem; and 4. Ensure remedial measures are properly implemented.	1. Submit noise mitigation proposals to IEC; and 2. Implement noise mitigation proposals.
Limit Level	1. Identify source; 2. Inform IEC, ER, EPD and Contractor; 3. Repeat measurements to confirm findings; 4. Increase monitoring frequency; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Inform IEC, ER and EPD the causes and actions taken for the exceedances; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring.	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analysed noise problem; 4. Ensure remedial measures are properly implemented; and 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; and 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Appendix I
Waste Flow Table

Monthly Summary Waste Flow Table February 2026

Month	Total Quantity Generated (see Note 4) (A)	Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of Non-Inert C&D Wastes Generated Monthly				
		Hard Rock and Large Broken Concrete (B)	Reused in the Contract (C)	Reused in other Projects (D)	Disposed as Public Fill (see Note 6) (E)	Imported Fill (F)	Metals (G) (see Note 6)	Paper/ cardboard packaging (H)	Plastics (see Note 2) (I)	Chemical Waste (J)	Others, e.g. general refuse#(K)
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
Up to 2025	393,357.57	195.71	0.00	0.00	383,600.81	13,520.69	4,375.30	6.0944	0.0593	1.18	5,178.42
Jan 2026	740.99	0.00	0.00	0.00	469.63*	0.00	0.00	0.1497	0.0000	0.00	271.21
Feb 2026	389.27	0.00	0.00	0.00	224.78	0.00	0.00	0.1209	0.0102	0.00	164.35
Mar 2026											
Apr 2026											
May 2026											
Jun 2026											
Jul 2026											
Aug 2026											
Sept 2026											
Oct 2026											
Nov 2026											
Dec 2026											
Sub-total	1,130.25	0.00	0.00	0.00	694.41	0.00	0.00	0.27	0.01	0.00	435.56

Notes:
(1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
(2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.
(3) Updated figures are presented during the reporting month.
(4) A=B+C+D+E+G+H+I+J+K
(5) Disposal Records to Government facilities is updated till 1st March 2026.
(6) Data may be continuously updated due to receipt timing.

Remark:
* Updated by the Contractor on 3 March 2026.
Sources/ reference of the waste flow data; From the Contractor

DE/2020/01

Monthly Summary Waste Flow Table February 2026

Month	Total Quantity Generated (see Note 4) (A)	Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of Non-Inert C&D Wastes Generated Monthly				
		Hard Rock and Large Broken Concrete (B)	Reused in the Contract (C)	Reused in other Projects (D)	Disposed as Public Fill (see Note 6) (E)	Imported Fill (F)	Metals (G) (see Note 6)	Paper/ cardboard packaging (H)	Plastics (see Note 2) (I)	Chemical Waste (J)	Others, e.g. general refuse# (K)
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
Up to 2025	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Jan 2026	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Feb 2026	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Mar 2026											
Apr 2026											
May 2026											
Jun 2026											
Jul 2026											
Aug 2026											
Sept 2026											
Oct 2026											
Nov 2026											
Dec 2026											
Sub-total	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Notes:
(1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
(2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.
(3) Updated figures are presented during the reporting month.
(4) A=B+C+D+E+G+H+I+J+K
(5) Disposal Records to Government facilities is updated till 1st March 2026.
(6) Data may be continuously updated due to receipt timing.

Remark: Sources/ reference of the waste flow data; From the Contractor

Appendix J
Implementation Status of Environmental Mitigation Measures

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	Air Quality Impact (Construction Phase)		
3.6.1.6	Watering once per every two hours on active works areas to reduce dust emission.	All active works areas during construction phase	Implemented
3.8.1.1	Dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation and good site practices listed below shall be carried out to further minimize construction dust impact:		
	• Use of regular watering to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather.	Construction Sites	Implemented
	• Use of frequent watering for particularly dusty construction areas and areas close to ASRs.		Implemented
	• 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.		Implemented
	• Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.		Implemented
	• Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.		Implemented
	• Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.		Implemented
	• Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading area of barging point, 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.		N/A
	• Provision of not less than 2.4m high hoarding from ground level along site boundary where adjoins a road, streets or other accessible to the public except for a site entrance or exit.		Implemented
	• Imposition of speed controls for vehicles on site haul roads.		Implemented
	• Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs.		Implemented
	• 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.		Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	Noise Impact (Construction Phase)		
4.8.1	Movable noise barriers are recommended for hydraulic breakers mounted on excavators to be adopted during construction.	Construction Sites	N/A
	Good site practices listed below and the noise control requirements stated in EPD's "Recommended Pollution Control Clauses for Construction Contracts" should be included in the Contract Specification for the Contractors to follow and should be implemented to further minimize the potential noise impacts during the construction phase of the Project.		Implemented
	• Quiet PME, such that those listed in EPD's Quality Powered Mechanical Equipment, should be considered for construction works to further minimize the potential construction noise impact.		Implemented
	• Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme.		Implemented
	• Silencers or mufflers on construction equipment should be utilised and should be properly maintained during the construction programme.		Implemented
	• Mobile plant, if any, should be sited as far away from noise sensitive receivers (NSRs) as possible.		N/A
	• Machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.		Implemented
	• Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs		N/A
	• Material stockpiles and other structures should be effectively utilised, wherever practicable, in screening noise from on-site construction activities.		N/A
	Water Quality Impact (Construction Phase)		
5.8.1.2	Water used in ground boring and drilling for site investigation or rock / soil anchoring should as far as practicable be re-circulated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into storm drains via silt removal facilities	Construction Sites / Construction Phase	Implemented
5.8.1.3	All vehicles and plant should be cleaned before they leave a construction site to minimise the deposition of earth, mud, debris on roads. A wheel washing bay should be provided at every site exit if practicable and wash-water should have sand and silt settled out or removed before discharging into storm drains. The section of construction road between the wheel washing bay and the public road should be paved with backfill to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	Construction Sites / Construction Phase	Implemented
5.8.1.4	Good site practices should be adopted to remove rubbish and litter from construction sites so as to prevent the rubbish and litter from spreading from the site area. It is recommended to clean the construction sites on a regular basis.	Construction Sites / Construction Phase	Implemented
5.8.1.5 - 5.8.1.6	The site practices outlined in ProPECC PN 1/94 "Construction Site Drainage" should be followed where applicable to minimise surface run-off and the chance of erosion. Surface run-off from construction sites should be discharged into storm drains via adequately designed sand / silt removal facilities such as sand traps, silt traps and sedimentation basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Perimeter channels at site boundaries should be provided as necessary to intercept storm run-off from outside the site so that it will not wash across the site. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks.	Construction Sites / Construction Phase	Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
5.8.1.7	Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly (as well as at the onset of and after each rainstorm) to prevent overflows and localised flooding.	Construction Sites / Construction Phase	Implemented
5.8.1.8	Construction works should be programmed to minimise soil excavation in the wet season (i.e. April to September). If soil excavation cannot be avoided in these months or at any time of year when rainstorms are likely, temporarily exposed slope surfaces should be covered e.g. by tarpaulin, and temporary access roads should be protected by crushed stone or gravel, as excavation proceeds. Intercepting channels should be provided (e.g. along the crest / edge of excavation) to prevent storm run-off from washing across exposed soil surfaces.	Construction Sites / Construction Phase	Implemented
5.8.1.9	Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary	Construction Sites / Construction Phase	Implemented
5.8.1.10	Measures should be taken to minimise the ingress of rainwater into trenches. If excavation of trenches in the wet season is necessary, they should be dug and backfilled in short sections. Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.	Construction Sites / Construction Phase	Implemented
5.8.1.11	Construction materials (e.g. aggregates, sand and fill material) on sites should be covered with tarpaulin or similar fabric during rainstorms	Construction Sites / Construction Phase	Implemented
5.8.1.12	Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.	Construction Sites / Construction Phase	Implemented
5.8.1.13	The practices outlined in Environment, Transport and Works Bureau (ETWB) TC (Works) No. 5/2005 Protection of natural streams/rivers from adverse impacts arising from construction works" should also be adopted where applicable to minimise the water quality impacts upon any natural streams or surface water systems.	Construction Sites / Construction Phase	Implemented
5.8.1.14	Sufficient chemical toilets should be provided in the works areas. A licensed waste collector should be deployed to clean the chemical toilets on a regular basis.	Construction Sites / Construction Phase	Implemented
5.8.1.15	Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the surrounding environment.	Construction Sites / Construction Phase	Implemented
5.8.1.16	Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The WDO (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.	Construction Sites / Construction Phase	Implemented
5.8.1.17	Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.	Construction Sites /Construction Phase	N/A
5.8.1.18	Disposal of chemical wastes should be carried out in compliance with the WDO. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the WDO should be followed to avoid leakage or spillage of chemicals.	Construction Sites / Construction Phase	Implemented
5.8.1.19	All the runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-DSS).	Construction Sites / Construction Phase	Implemented
5.8.2.11	Chemical should be stored on site at bunded area and separate drainage system as appropriate should be provided to avoid any spilled chemicals from entering the storm drain in case of accidental spillage. Also, adequate tools for cleanup of spilled chemicals should be stored on site and appropriate training shall be provided to staffs to further prevent potential adverse water quality impacts from happening.	Project site / Design and Operation Phase	Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
Waste Management Implication (Construction Phase)			
6.6.1.3	Good Site Practices Recommendations for good site practices during the construction phase include:		
	• Nomination of approved personnel, such as a site manager, to be responsible for good site practices, and making arrangements for collection of all wastes generated at the site and effective disposal to an appropriate facility;	Construction Sites	Implemented
	• Training of site personnel in proper waste management and chemical waste handling procedures;		Implemented
	• Provision of sufficient waste reception/ disposal points, of a suitable vermin-proof design that minimises windblown litter;		N/A
	• Arrangement for regular collection of waste for transport off-site and final disposal;		Implemented
	• Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;		Implemented
	• Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;		Implemented
	• A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be proposed; and		Implemented
	• A WMP should be prepared and should be submitted to the Engineer for approval. One may make reference to ETWB TCW No. 19/2005 for details.		Implemented
6.6.1.5	Waste Reduction Measures Recommendations to achieve waste reduction include:		
	• Segregate and store different types of construction related waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;	Construction Sites	Implemented
	• Provide separate labelled bins to segregate recyclable waste such as aluminium cans from other general refuse generated by the work force, and to encourage collection by individual collectors;		Implemented
	• Any unused chemicals or those with remaining functional capacity shall be recycled;		N/A
	• Maximising the use of reusable steel formwork to reduce the amount of C&D material;		Implemented
	• Prior to disposal of C&D waste, it is recommended that wood, steel and other metals shall be separated for re-use and / or recycling to minimise the quantity of waste to be disposed of to landfill;		Implemented
	• Adopt proper storage and site practices to minimise the potential for damage to, or contamination of, construction materials;		Implemented
	• Plan the delivery and stock of construction materials carefully to minimise the amount of surplus waste generated;		N/A
	• Adopt pre-cast construction method instead of cast-in-situ method for construction of concrete structures as much as possible; and		N/A
	• Minimise over ordering of concrete, mortars and cement grout by doing careful check before ordering.		N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
6.6.1.7	Storage of Waste Recommendations to minimise the impacts include:		
	• Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimising the potential of pollution;	Construction Sites	Implemented
	• Maintain and clean storage areas routinely;		Implemented
	• Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; and		Implemented
	• Different locations should be designated to stockpile each material to enhance reuse.		Implemented
6.6.1.8	Collection of Waste Licensed waste haulers should be employed for the collection and transportation of waste generated. The following measures should be enforced to minimise the potential adverse impacts:		
	• Remove waste in timely manner;	Construction Sites	Implemented
	• Waste collectors should only collect wastes prescribed by their permits;		Implemented
	• Impacts during transportation, such as dust and odour, should be mitigated by the use of covered trucks or in enclosed containers;		Implemented
	• Obtain relevant waste disposal permits from the appropriate authorities, in accordance with the WDO (Cap. 354), Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 345) and the Land (Miscellaneous Provisions) Ordinance (Cap. 28);		Implemented
	• Waste should be disposed of at licensed waste disposal facilities; and		Implemented
	• Maintain records of quantities of waste generated, recycled and disposed.		Implemented
6.6.1.10	Transportation of Waste In order to monitor the disposal of C&D materials at PFRFs and landfills and to control fly-tipping, a trip-ticket system should be established in accordance with DEVB TCW No. 6/2010. A recording system for the amount of waste generated, recycled and disposed, including the disposal sites, should also be set up. Warning signs should be put up to remind the designated disposal sites. CCTV should be installed at the vehicular entrance and exit of the site as additional measures to prevent fly-tipping.	Transportation Route of Waste / Construction Phase	Implemented
6.6.1.12	Construction and Demolition Material Careful design, planning together with good site management can reduce over-ordering and generation of C&D materials such as concrete, mortar and cement grouts. Formwork should be designed to maximize the use of standard wooden panels, so that high reuse levels can be achieved. Alternatives such as steel formwork or plastic facing should be considered to increase the potential for reuse	Construction Sites	N/A
6.6.1.13	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 WMP, which becomes part of the EMP, should be prepared in accordance with ETWB TCW No.19/2005;	Construction Sites	Implemented
	• A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be adopted for easy tracking; and		Implemented
	• 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 DEVB TCW 06/2010).		Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
6.6.1.14	It is recommended that specific areas should be provided by the Contractors for sorting and to provide temporary storage areas (if required) for the sorted materials. Control measures for temporary stockpiles on-site should be taken in order to minimise the noise, generation of dust and pollution of water. These measures include:		
	• Surface of stockpiled soil should be regularly wetted with water especially during dry season;	Construction Sites	Implemented
	• Disturbance of stockpile soil should be minimised;		Implemented
	• Stockpiled soil should be properly covered with tarpaulin especially when heavy storms are predicted; and		Implemented
	• Stockpiling areas should be enclosed where space is available.		Implemented
6.6.1.15	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.	Construction Sites	Implemented
6.6.1.16	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 minimise 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.	Construction Sites	Implemented
6.6.1.17 – 6.6.1.18	The sediment should be excavated, handled, transported and disposed of in a manner that would minimise adverse environmental impacts. To minimise sediment disposal, it is proposed to reuse the Type 1 sediment generated (e.g. as backfilling materials) as far as possible. Requirements of the Air Pollution Control (Construction Dust) Regulation, where relevant, shall be adhered to during excavation, transportation and disposal of the sediment.	Construction Sites	N/A
6.6.1.19	Workers shall, if necessary, wear appropriate personal protective equipments (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities shall also be provided on site.	Construction Sites	Implemented
6.6.1.20	For off-site disposal, the basic requirements and procedures specified under ETWB TC(W) No. 34/2002 shall be followed.	Transportation Route of Waste / Construction Phase	Implemented
6.6.1.24	Stockpiling of contaminated sediments should be avoided as far as possible. If temporary stockpiling of contaminated sediments is necessary, the excavated sediment should be covered by tarpaulin and the area should be placed within earth bunds or sand bags to prevent leachate from entering the ground, nearby drains and surrounding water bodies. The stockpiles should be completely paved or covered by linings in order to avoid contamination to underlying soil or groundwater. Separate and clearly defined areas should be provided for stockpiling of contaminated and uncontaminated materials. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance (WPCO).	Construction Sites	Implemented
6.6.1.25	In order to minimise the potential odour / dust emissions during excavation and transportation of the sediment, the excavated sediments shall be wetted during excavation / material handling and shall be properly covered when placed on trucks or barges. Loading of the excavated sediment to the barge shall be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water.	Construction sites & transportation route of waste / Construction phase	N/A
6.6.1.26	The barge transporting the sediments to the designated disposal sites shall be equipped with tight fitting seals to prevent leakage and shall 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.	Transportation route of waste / Construction phase	N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
6.6.1.27	Suitable 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, corrosive, etc. The Contractor shall employ a licensed collector to transport and dispose of the chemical wastes, to the licensed CWTC, or other licensed facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Construction and Operation Phases	Implemented
6.6.1.28	It is recommended to place clearly labelled recycling bins at designated locations with convenient access. Other general refuse should be separated from chemical and industrial waste by providing separated bins or skips for storage to maximise the recyclable volume. A reputable licensed waste collector should be employed to remove general refuse on a daily basis to minimise odour, pest and litter impacts.	Construction and Operation Phases	Implemented
6.6.1.29	Should buildings be found with potential ACM, sufficient and reasonable lead time shall be allowed for preparation, vetting and implementation of Asbestos Investigation Report and Asbestos Abatement Plan in accordance with Air Pollution Control Ordinance before commencement of any demolition or site clearance work.	Demolition	N/A
Land Contamination			
7.8.1.2 - 7.8.1.3;7.8.2.1	Prior to the commencement of the SI works, a review of the Contamination Assessment Plan (CAP) should be conducted to confirm whether the proposed SI works (e.g. sampling locations, testing parameters etc.) are still valid. Supplementary CAP(s), presenting findings of the review, the latest site conditions and updated sampling strategy and testing protocol, should be submitted to EPD for endorsement. The SI works should be carried out according to EPD's agreed supplementary CAP(s).SI works should be carried out according to the supplementary CAP endorsed by EPD. Following completion of SI works and receipt of laboratory test results, Contamination Assessment Report(s) ((CAR)(s)) should be prepared to present the findings of the SI works and to discuss the presence, nature and extent of contamination. If contamination is identified, Remedial Action Plan(s) ((RAP)(s)) which provides details of the remedial actions for the identified contaminated soil and / or groundwater should be endorsed by EPD. The possible remediation methods are detailed in Section 5.2 of the CAP provided in Appendix 7.1 of the EIA Report, Remediation action, if necessary, will be carried out according to EPD endorsed RAP(s) and Remediation Report(s) (RR(s)) will be submitted after completion of the remediation action. The RR(s) should be endorsed by EPD prior to the commencement of construction works at the respective identified contaminated areas (if any).	Existing YLSTW /Construction Phase (after decommissioning of the concerned facilities / areas but prior to the construction works at the concerned facilities / areas)	Implemented
7.8.3.1	The mitigation measures will be recommended in the RAP and would typically include the following:		
	• Excavation profiles must be properly designed and executed with attention to the relevant requirements for environment, health and safety;	Project Site / Construction Phase	Implemented
	• Excavation shall be carried out during dry season as far as possible to minimise contaminated runoff from contaminated soils; Supply of suitable clean backfill material (or treated soil) after excavation;		N/A
	• Stockpiling site(s) shall be lined with impermeable sheeting and bunded. Stockpiles shall be fully covered by impermeable sheeting to reduce dust emission. If this is not practicable due to frequent usage, regular watering shall be applied. However, watering shall be avoided on stockpiles of contaminated soil to minimise contaminated runoff.		Implemented
	• Vehicles containing any excavated materials shall be suitably covered to limit potential dust emissions or contaminated wastewater run-off, and truck bodies and tailgates shall be sealed to prevent any discharge during transport or during wet conditions;		Implemented
	• Speed control for the trucks carrying contaminated materials shall be enforced;		Implemented
	• Vehicle wheel and body washing facilities at the site's exist points shall be established and used; and		Implemented
	• Pollution control measures for air emissions (e.g. from biopile blower and handling of cement), noise emissions (e.g. from blower or earthmoving equipment), and water discharges (e.g. runoff control from treatment facility) shall be implemented and complied with relevant regulations and guidelines.		Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
Ecological Impact (Terrestrial and Aquatic) (Construction Phase)			
8.10.2.1	Avoidance of Recognised Site of Conservation Importance Construction works are designed to be confined to the boundary of the existing YLSTW that direct impacts on all other sites of conservation importance within the assessment area, including the Ramsar Site, Priority Site, WCA, WBA, SSSI and CA would be avoided.	Project site / Construction Phase	Implemented
8.10.2.3 – 8.10.2.4	Avoidance of Demolition Works Using Breakers Mounted on Excavators and Percussive Piling during Dry Season In order to minimise the construction noise disturbance on overwintering waterbirds, the noisy construction works, i.e. all percussive piling works and demolition using breakers mounted on excavators, would therefore be scheduled outside the dry season (i.e. November to March, which is the peak overwintering period of waterbirds).	Construction sites /Construction Phase	Implemented
8.10.2.5	Restriction of Construction Hours No construction activities with the use of PME should be conducted within 100m from any night roost confirmed by the pre-construction survey after 18:00 during wet season and 17:30 during dry season to avoid disturbance to the nearby ardeids night roosts.	Construction sites / Construction Phase	Implemented
8.10.3.2 – 8.10.3.3	Minimising Construction Noise Disturbance Impacts through Consideration of Alternative Construction Methods Demolition using concrete crusher is quieter than demolition using breaker that its construction noise level is comparable to other general construction activities and concrete crusher would be used for demolition works to be undertaken during dry season months. The quieter foundation methods, including bored piling, raft foundation and shallow foundation, would be adopted as far as possible.	Construction sites / Construction Phase	Implemented
8.10.3.4 – 8.10.3.5	Minimising Construction Noise Disturbance Impacts Through Careful Phasing of Construction Activities Percussive piling works and demolition using breakers mounted on excavators would typically be completed over two wet seasons and not be undertaken in the same construction zone at the same time to localise the construction disturbance and to reduce the duration of high level of disturbances on sensitive wetland habitats and associated waterbirds nearby each construction zone. Facilities in the eastern side of the Project site (i.e. Phase 1A and Phase 1B) are scheduled to be developed first that the new structures could screen the works in the middle and western parts of the site in later stage of the construction phase after the structures in Phase 1A and Phase 1B are completed, hence minimising the construction noise and human disturbance on sensitive wetland habitats adjacent to the Project site in Shan Pui River, including the confluence of Shan Pui River and Kam Tin River and ardeid night roost to the immediate east of the Project site.	Project site / Construction Phase	Implemented
8.10.3.6 – 8.10.3.8	Minimising Construction Noise Disturbance Impacts through Use of Noise Barriers Noise barriers with absorptive materials of about 4m high will be erected along the northern, eastern and western sides of the site, throughout the construction phase to screen the construction noise and human disturbance to the waterbirds foraging in ponds in Fung Lok Wai and Shan Pui River during construction phase. Adequate noise barriers should also be provided for demolition works using breakers mounted on excavators and percussive piling works, to further minimise the construction noise disturbance from these construction activities. Movable noise barriers should be provided to breaker mounted on excavator used for demolition works as discussed in Section 4.8 and acoustic mat should be provided to the piling plants around the rig. The contractor should provide enclosure for construction equipment, especially static plants, as appropriate to minimise the noise disturbance as far as practicable.	Construction sites / Construction Phase	Implemented
8.10.3.9	Use of Quality Powered Mechanical Equipment The contractor should source QPMEs for construction as far as practicable to further minimise the overall construction noise and other disturbance to the nearby wetland habitats and associated waterbirds to the maximum practical extent.	Construction sites / Construction Phase	Implemented
Ecology & Fisheries Impact			
8.12.1.4, 9.7	Groundwater observation wells and recharge wells will be provided at the northern and western side of the site. Groundwater table will be closely monitored at the observation well. In case of any unlikely events of abnormal drawdown of groundwater table near the excavation area, groundwater dewatering will stop and water will be pumped into the recharge wells to recover the normal groundwater table as necessary.	Construction Phase	N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	Fisheries Impact		
9.7	The implementation of good site practices during construction could minimise the potential water quality impacts from the land-based construction works. Mitigation measures recommended in the Water Quality Impact Assessment (Section 5) for controlling water quality impact would also serve to protect fisheries resources and activities from indirect impacts.	Construction and Operation Phase	N/A
	Landscape and Visual Impact		
Table 10.11	<u>Preservation of Existing Vegetation (CM1)</u> All the existing Trees to be retained and not to be affected by the Project shall be carefully protected during construction accordance with DEVB TCW No. 7/2015 - Tree Preservation and the latest Guidelines on Tree Preservation during Development issued by GLTM Section of DevB. Any existing vegetation in landscaped areas and natural terrain not to be affected by the Project shall be carefully preserved.	Project site / Construction Phase	Implemented
	<u>Transplanting of Affected Trees (CM2)</u> Trees unavoidably affected by the works shall be transplanted as far as possible in accordance with DEVB TCW No. 7/2015 - Tree Preservation and the latest Guidelines on Tree Transplanting issued by GLTM Section of DevB.	Project site / Construction Phase	Implemented
	<u>Compensatory Tree Planting (CM3)</u> Any trees to be felled under the Project shall be compensated in accordance with DEVB TCW No. 7/2015 - Tree Preservation. For trees to be compensated on slopes, the guidelines for tree planting stipulated in GEO Publication No. 1/2011 will be followed.	Project site / Construction Phase	N/A
	<u>Control of Night-time Lighting Glare (CM4)</u> All the night time lighting shall be avoided except for safety purpose. No light glare shall illuminate directly outside the site.	Project site / Construction Phase	Implemented
	<u>Erection of Decorative Screen Hoarding (CM5)</u> Site hoardings, if any, shall be painted in dull green colour	Project site / Construction Phase	Implemented
	<u>Management of Construction Activities and Facilities (CM6)</u> Construction activities shall be well scheduled and avoid powered mechanical equipment's operating simultaneously. All stockpiling areas and idled area shall be covered by tarpaulin sheet or hydroseeded as far as possible.	Project site / Construction Phase	Implemented
	Hazard to Life (Construction Phase)		
11.5.6.9-11.5.6.12	• Implementation of those major construction works and movement of plants and vehicles would be stringently controlled to have a setback of at least 15m clear distance, or physical barrier with an empty digester / gas holder from the digesters / gas holders in operation;	Project site / Construction Phase	N/A
	• For those construction works to be carried out in close proximity to the 15m zone from digesters / gas holders in operation, the height of plants for those major construction shall be limited to 15m such that the plants would not damage digesters /gas holders in such incident as plant collapse or overturning;		N/A
	• Whenever practicable, the construction sequence shall be arranged with empty unit(s) for separating the major construction works from these digesters / gas holders in use; and		N/A
	• Physical barriers such as concrete blocks shall be set up at the 15m zone in order to avoid those construction plants or vehicles from colliding to the digester / gas holder units in use.		N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
11.5.8	• Method statements and risk assessments shall be prepared and safety control measures shall be in place before commencement of work	Project site / Construction Phase	Implemented
	• All work procedures shall be complied with the operating plant procedures or guidelines and regulatory requirements;		Implemented
	• Work permit system, on-site pre-work risk assessment and emergency response procedure shall be in place before commencement of work;		Implemented
	• All construction workers shall equip with appropriate personal protective equipment (PPE) when working at the Project Site;		Implemented
	• Safety training and briefings shall be provided to all construction workers;		Implemented
	• Regular site safety inspections shall be conducted during the construction phase of the Project;		Implemented
11.9.1.2	• Ensure speed limit enforcement is specified in the contractor's method statement to limit the speed of construction vehicles onsite;	Project site / Construction Phase	Implemented
	• Conduct speed checks to ensure enforcement of speed limits and to ensure adequate site access control;		N/A
	• A lifting plan, with detailed risk assessment, should be prepared and endorsed for heavy lifting of large equipment;		Implemented
	• Vehicle crash barriers should be provided between the construction site and the operating biogas facilities;		N/A
	• Ensure that a hazardous are classification study is conducted and hazardous area maps are updated before the start of the construction activities to ensure ignition sources are controlled during both construction and operation phases;		Implemented
	• Ensure work permit system for hot work activities within the Project Site is specified in the contractor's method statement to minimize and control the ignition sources during the construction phase;		Implemented
	• Ensure effective communication system / protocol is in place between the contractors and the operation staff;		Implemented
	• Ensure the Project Construction Emergency Response Plan is integrated with the Emergency Response Plan for the YLEPP during construction phase. The plan should address stop work instructions to be promptly communicated to all construction workers performing hot works in case a confirmed biogas detection at the Project Site;		Implemented
	• Ensure that the construction activities do not impede the functions of fire and gas detection system, fire protection system, muster areas, fire-fighting vehicle access and escape routes;		Implemented
	• Ensure a Job Safety Analysis is conducted for construction activities of the Project during the construction phase, to identify and analyze hazards associated with the construction activities (e.g. lifting operations by cranes) onto the operating biogas facilities.		Implemented
	• Potential risks of the construction activities shall be assessed, and risk precautionary measures shall be implemented in Contractor's works procedures.		Implemented

Note:

Implementation status: Implemented / Partially Implemented / Not Implemented / Not Applicable (N/A)

Sources / reference of the Implementation Status: Appendix B of EIA Report, AEIAR-220/2019

Appendix K
Weather and Meteorological Conditions

January 2026 Weather

Station: Wetland Park

Date	Mean Pressure (hPa)	Air Temperature			Mean Relative Humidity (%)	Total Rainfall (mm)
		Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)		
January 2026						
1	1018.1	23.1	17.4	13.5	0	1
2	1024.2	18.1	13.9	10.9	0	0
3	1024.9	20.3	12.4	7.6	0	0
4	1022.5	22.7	15.4	10.4	0	0
5	1021.5	23.9#	15.7	10.4#	0	0
6	1025.2	18.3	12.9	10.2	0	0
7	1025.8	18.4	11.4	7.5	0	0
8	1025.2	21.2	12.4	7.3	0	0
9	1023	21.8	12.9	7	0	0
10	1021	24.1	13.8	6.8	0	4.5
11	1023.2	23.8	15.2	10.1	0	0
12	1021.3	22.9#	15.6	10.3#	0	0
13	1018.7	26.2	16.8	10.7	0	1.5
14	1018.1	24.6#	17	12.1#	0	0
15	1016.4	27.2	17.9	12	0	0
16	1014.2	27.1	17.7	11.9	0	0
17	1013	28.3	18.7	12.6	0	0
18	1013	26.2	19.7	14.2	0	0
19	1014.6	26.4	18	12.8	0	1.5
20	1018	21.6	17.8	14.8	0	0
21	1022.4	17.3	14.1	12.5	0	0
22	1025.2	16.6	12.3	10.4	0	0
23	1025.1	16.6	12.4	10.2	0	0
24	1022.6	21.5	15.2	10.9	0	0
25	1020.7	24.1	17.6	12.5	0	0
26	1020.1	25.7	19.6	15.7	0	0
27	1019.6	28.1	20.6	17.3	0	0
28	1021.1	24.9	18.5	15.3	0	0
29	1020.6	23.4	18.4	14.4	0	0
30	1020.2	19.9	18.5	16.6	0.5	0
31	1021.3	19.5	17.5	14.2	1.5	0

Note (From Hong Kong Observatory):

1. Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected
2. # data incomplete

Source: Hong Kong Observatory

February 2026 Weather

Station: Hong Kong Observatory

Date	Mean Pressure (hPa)	Air Temperature			Mean Relative Humidity (%)	Total Rainfall (mm)
		Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)		
February 2026						
1	1023.4	19.7	15.8	12	76	1.6
2	1024	21	17.5	15.2	66	0
3	1024.1	20.2	17.8	16.5	73	0
4	1019.9	22.1	18.8	16.6	73	0
5	1016.7	25.2	20.9	18.1	78	0
6	1015.2	26.2	22.1	18.9	72	0
7	1018.7	21.2	19.6	18.3	81	Trace
8	1024.3	18.4	16.5	14.9	62	0.1
9	1022.7	16.4	15.5	14.1	66	0
10	1020.7	19.6	17.9	16.4	76	0
11	1020.6	25.2	21	18	73	0
12	1020.2	19.9	18.4	17.6	78	0
13	1017.7	24.5	20.2	17.7	71	0
14	1016.2	25.8	21.8	18.5	76	0
15	1015.7	26.9	22.9	20.9	81	0
16	1015.3	27.9	24	22	79	0
17	1019.3	22.4	19.5	18.2	80	Trace
18	1021.9	23	19.6	17.9	65	Trace
19	1022.3	22.4	19.6	17.8	70	Trace
20	1018.7	24.6	20.9	18.6	72	0
21	1013.5	23.4	21	19.2	79	0
22	1012.5	25.3	22.3	20.2	76	0
23	1013.6	23	21.4	20.8	79	0
24	1013.7	25.7	22.3	19.5	83	0.4
25	1014.3	26	22.7	21.3	81	Trace
26	1012.3	21.9	20.5	19	84	0.2
27	1010.1	22.8	21.4	20.4	88	0.3
28	1010.8	21.8	20	19	93	39

Note (From Hong Kong Observatory):
Trace means rainfall less than 0.05 mm

Source: Hong Kong Observatory

Remark: The corresponding weather station at Wetland Park were unavailable at the time of preparation of this report. The corresponding month's weather will be provided in the next reporting month.

Appendix L
Cumulative statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

Environmental Complaints Log

Reference	Date of Complaint	Received From	Received By	Nature of Complaint	Date of Investigation	Outcome	Date of Reply

Cumulative Statistics on Complaints

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints This Month	Cumulative Project-to-Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	0

Cumulative Statistics on Notification of Summons and Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Notification of Summons and Prosecutions This Month	Cumulative Project-to-Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	0

Appendix M
Summary of the ET Leader's Site Environmental Audit in the Reporting Month

Summary of ET Leader's Site Environmental Audit in the Reporting Month

Contract DC/2019/10

Parameters	Date	Observations and Recommendations	Follow-up
Air Quality	N/A		
Noise	NA		
Water Quality	NA		
Chemical and Construction Waste Management	10 February 2026	Observation 1: Drip tray should be provided for the fuel drum at SD.	Drip tray was provided for the fuel drum at SD.
Land Contamination	NA		
Ecological Impact	NA		
Landscape and Visual Impact	NA		
Permit / Licenses	4 February 2026	Observation 1: The color of NRMM label for the generator at AGS should be green.	A new NRMM label was provided.
Others	NA		

Contract DE/2020/01

Parameters	Date	Observations and Recommendations	Follow-up
Air Quality	NA		
Noise	NA		
Water Quality	NA		
Chemical and Construction Waste Management	NA		
Land Contamination	NA		
Ecological Impact	NA		
Permit / Licenses	N/A		
Others	NA		

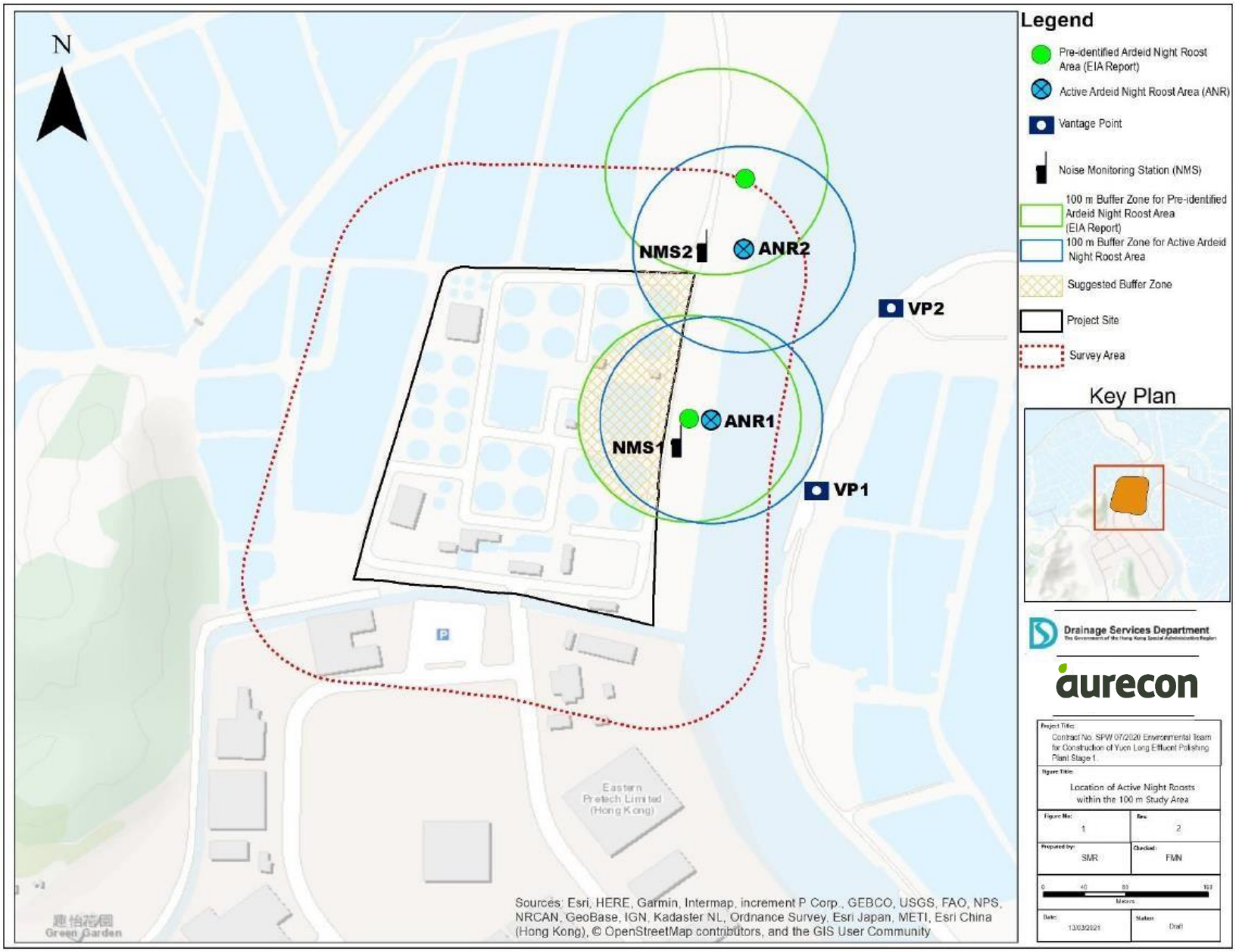
Appendix N
Outstanding Issues and Deficiencies

Summary of Outstanding Issues and Deficiencies in the Reporting Month

Parameters	Outstanding Issues	Deficiencies
Air Quality	NA	Any items of deficiencies can be referred to **Appendix M**.
Noise	NA	
Water Quality	NA	
Chemical and Waste Management	NA	
Land Contamination	NA	
Landscape and Visual Impact	NA	
Permit / Licenses	NA	
Others	NA	

Appendix O
Active Night Roost Monitoring Area and Vantage Points; and Noise Monitoring Stations

O.1 Map of the Monitoring Area, Vantage Points for Observation of Active Night Roosts and Noise Monitoring Stations



Appendix P
Ecological Bird Monitoring Area with Locations of Point Count Sites and Transect Route

O.2 Survey Photos

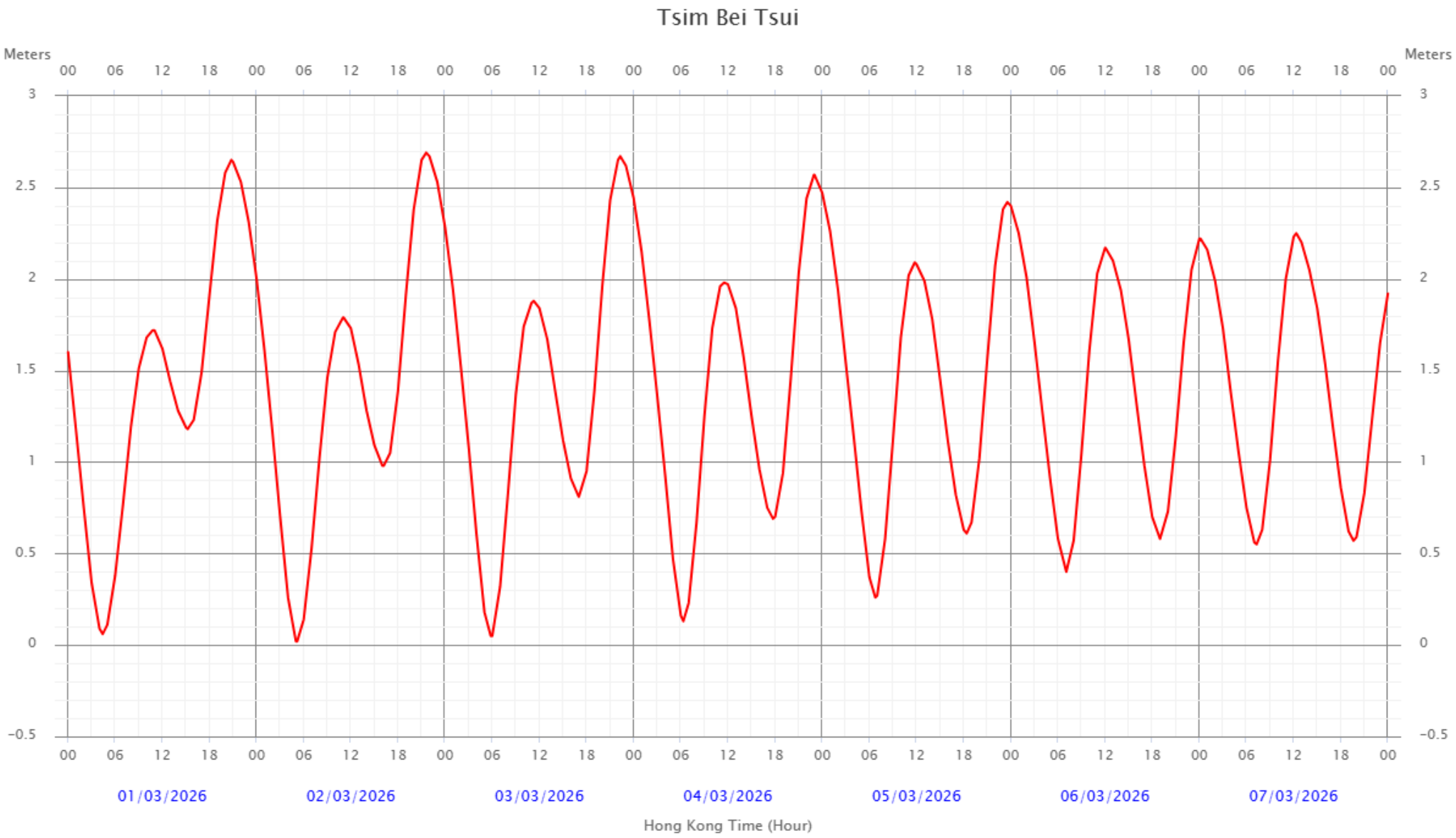
O.2.1 Pre-roosting Aggregate

Appendix O.2.1a: Pre-roost aggregate of ardeids in the mudflat east side of the Project boundary (ANR1) observed on 3 February 2026 at around 17:59.

O.2.2 Active Night Roosting Site and Roosting Substrates

Appendix O.2.2a: Active night roost in the mudflat northeast side of the Project boundary (ANR2) observed on 3 February 2026 at around 18:22.

Appendix Q
Tides Predicted by the Hong Kong Observatory for the tidal station at Tsim Bei Tsui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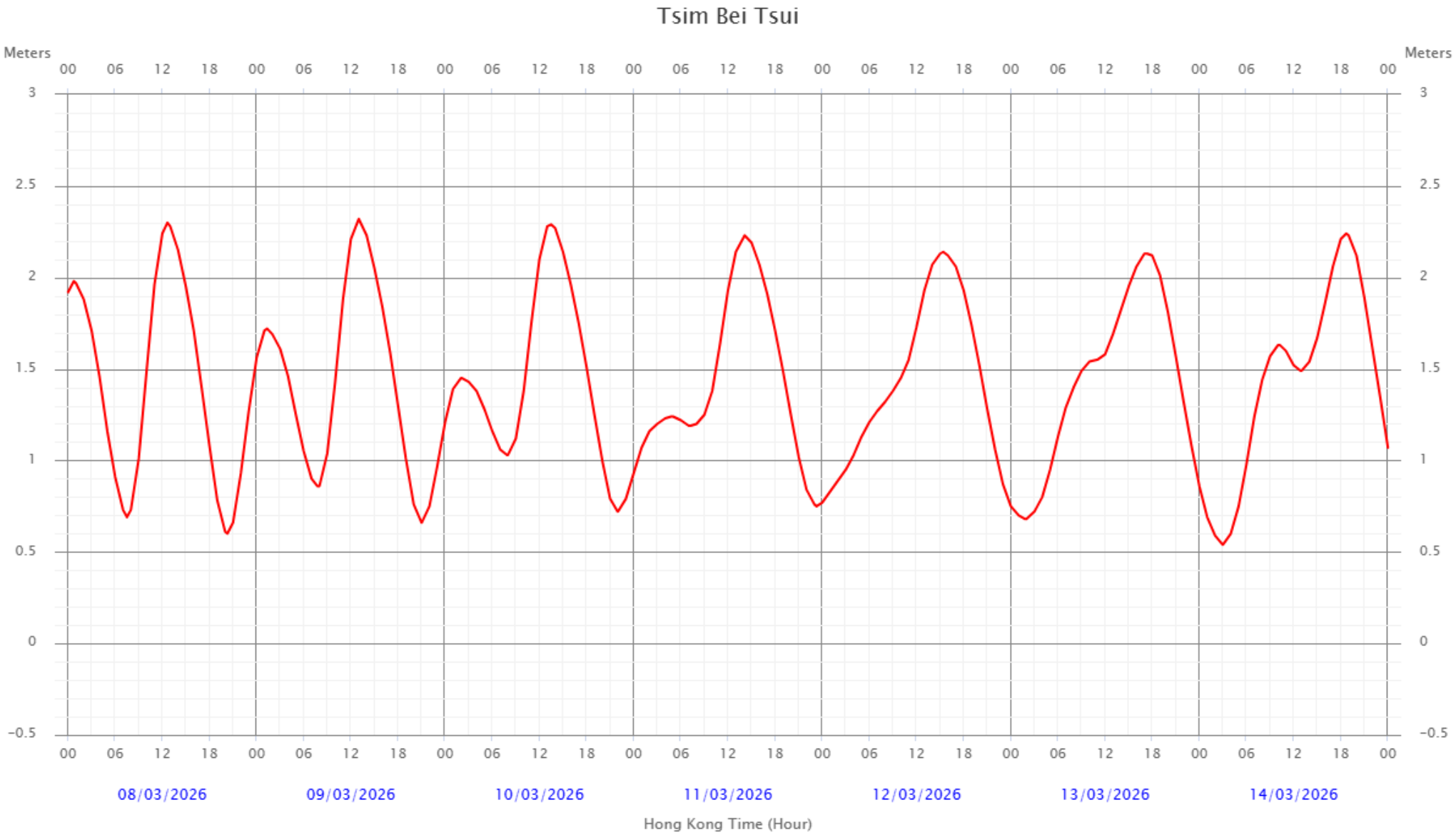
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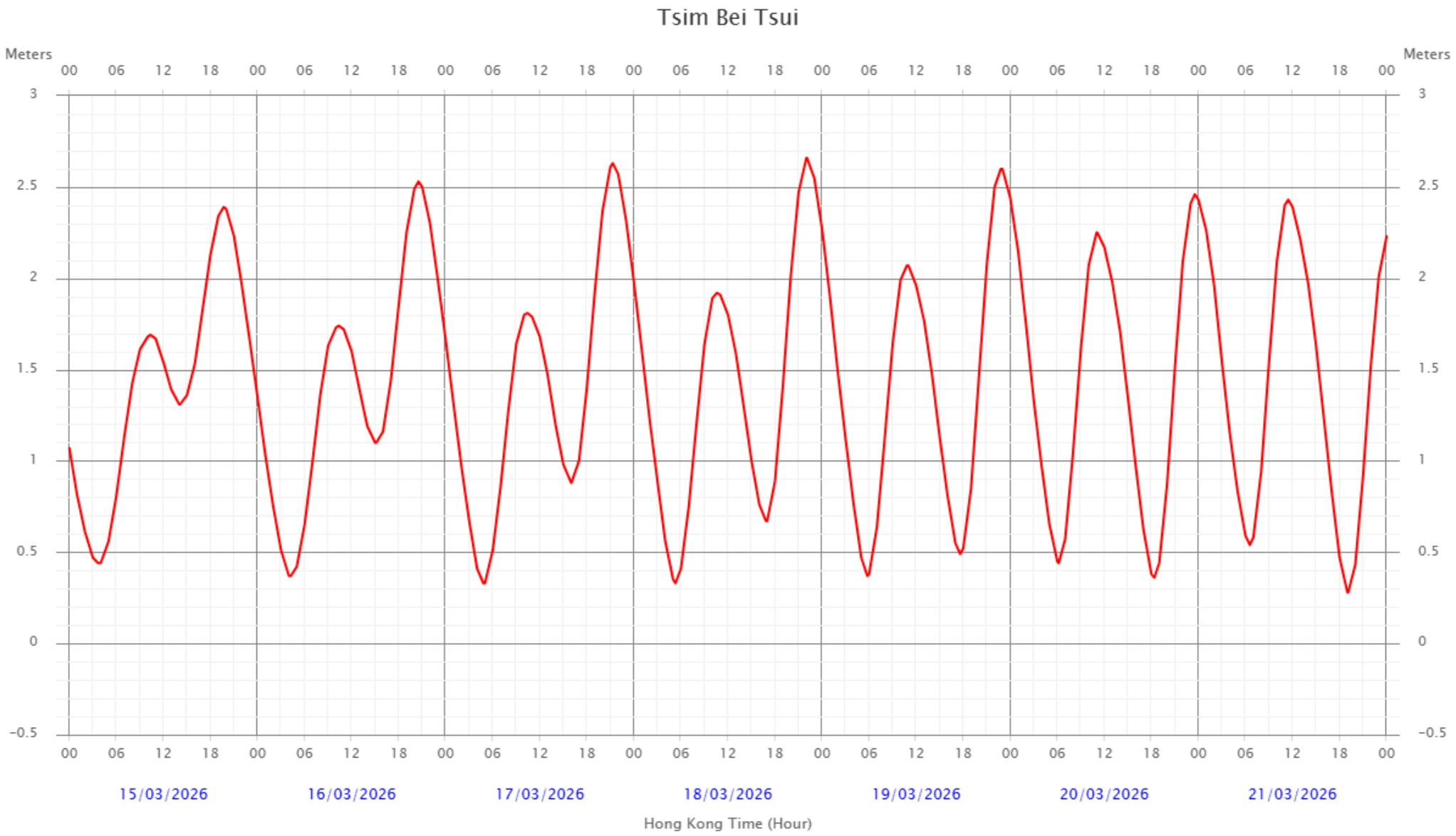
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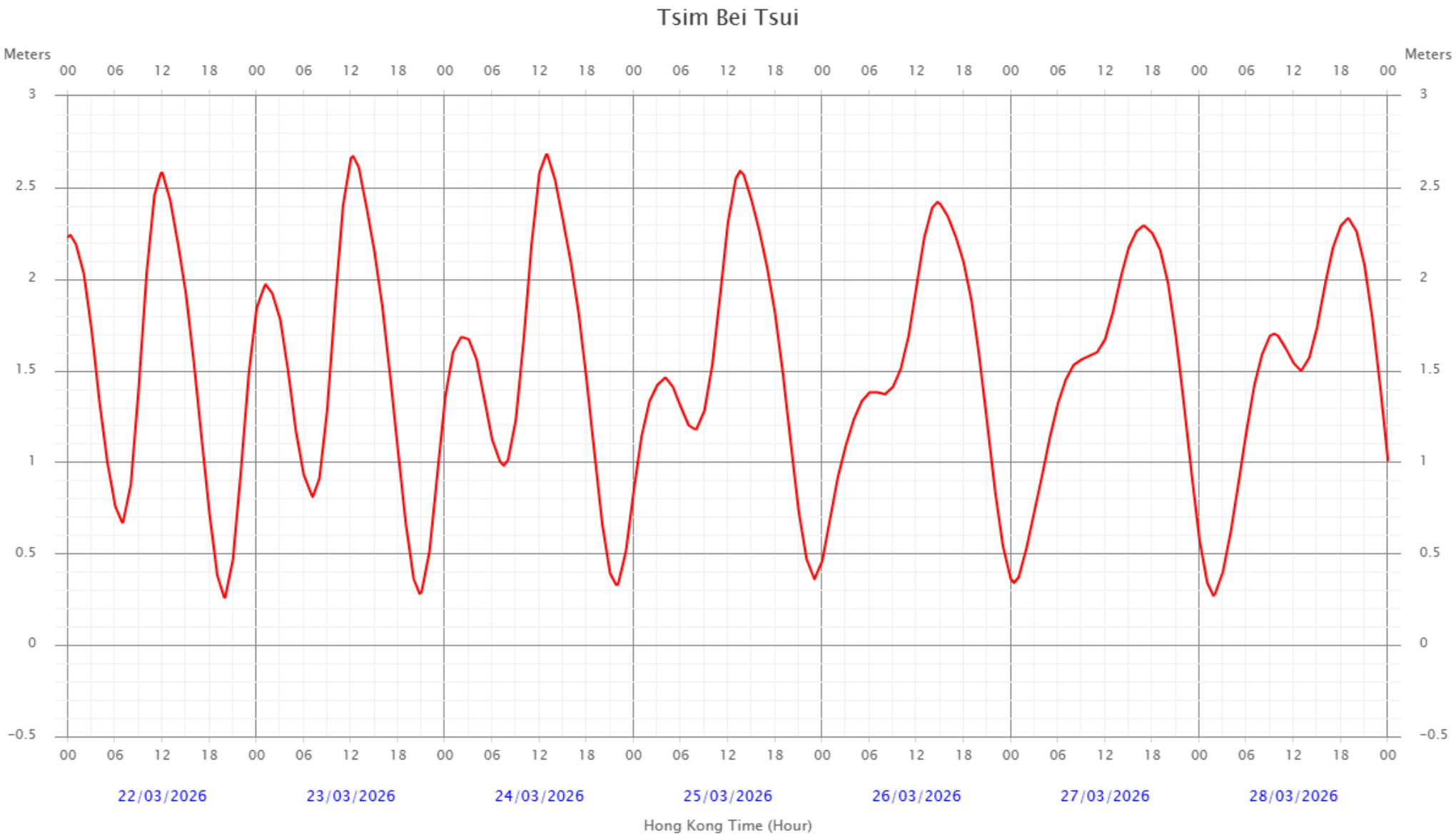
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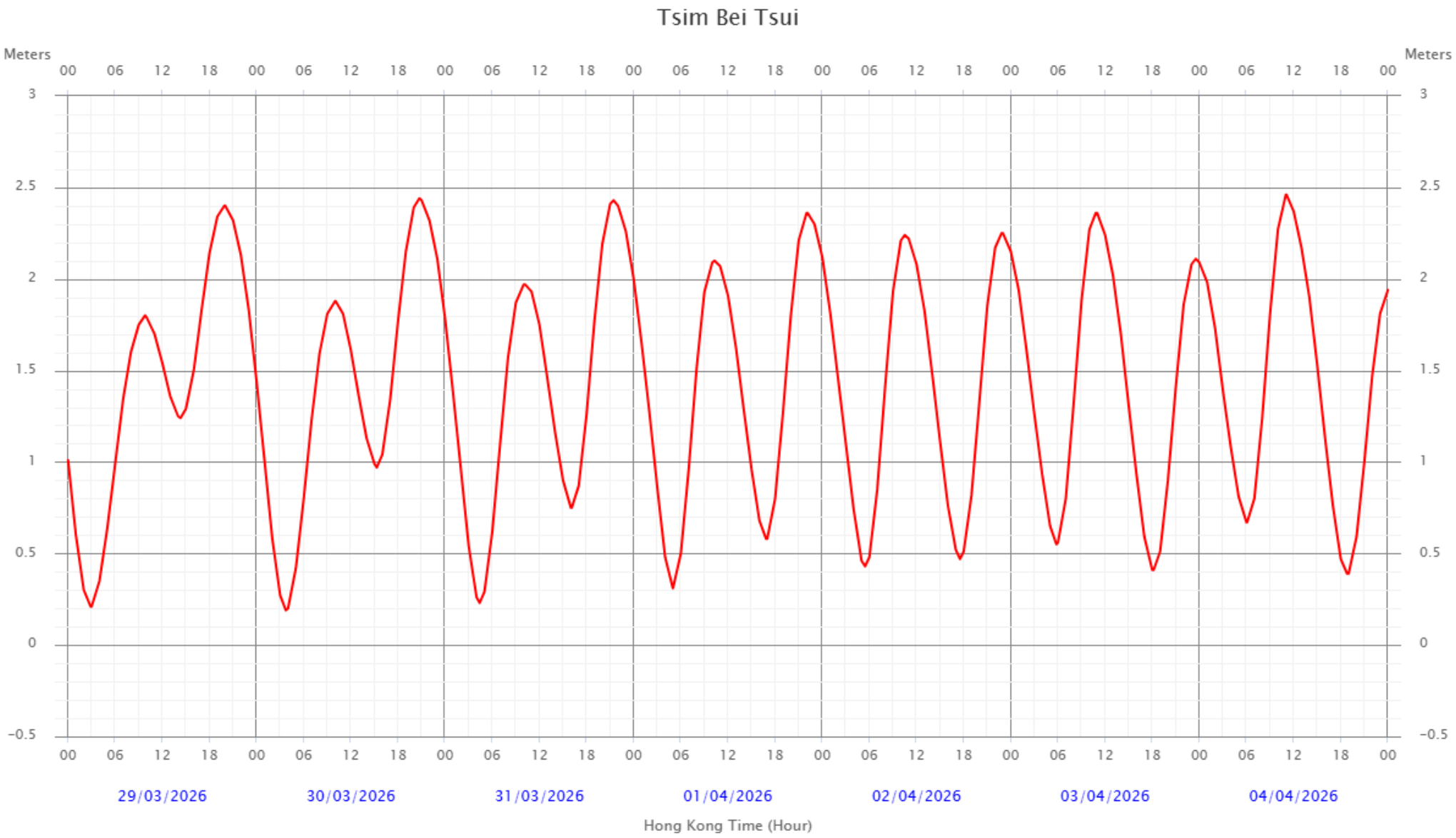
Hong Kong Time (Hour)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04/04/2026
Hong Kong Time (Hour)

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