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

Monthly EM&A Report (May 2026)

Drainage Services Department

2026-06-12

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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 May 2026

16 June 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 May 2026 (Revision 1) which was received via e-mail and certified by the Environmental Team Leader on 16 June 2026 (ref.: PL-202606016).

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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Ref : PL-202606016

By Email

16 June 2026

Mott MacDonald
3/F Manulife Place,
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 May 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 May 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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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 62nd Monthly EM&A Report for the construction phase which summaries findings of the EM&A programme during the reporting period from 1 May 2026 to 31 May 2026. As informed by the Contractors, major activities in the reporting month were:

Contract DC/2019/10:

- Fixing GRC panel at CLP Substation
- Construction of Existing Inspection Chamber and Inlet Effluent Pipes from Nam Sang Wai Sewage Pumping Station
- ABWF and T&C Works at IW
- ELS works at PST Stage 2
- RC works at SDB
- ELS works at ADB and Underpass
- RC works at AGS
- RC structure at TTS
- Driven H-Pile works at ADB
- 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
- Water test and rectification work at Sludge Digester no. 1-3
- E&M work at Biogas Holder no.2
- Disposal of construction waste as indicated in **Appendix I**.

Contract DE/2020/01:

- No site works in May
- 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 Nam Sang Wai Sewage Pumping Station
- ABWF and E&M works at IW (Remaining area)
- ELS and RC works at PST Stage 2
- RC work at SDB
- RC work at Underpass
- RC work at ADB
- External UU works at site-wide
- RC structure at AGS and Water Tightness Test
- RC structure at TTS and Water Tightness Test and AWBF Works
- 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 & 3

Contract DE/2020/01:

- Installation of PV panels

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 62nd Monthly EM&A report to document the findings of site inspection activities and EM&A programme for this project from 1 May 2026 to 31 May 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
- Construction of Existing Inspection Chamber and Inlet Effluent Pipes from Nam Sang Wai Sewage Pumping Station
- ABWF and T&C Works at IW
- ELS works at PST Stage 2
- RC works at SDB
- ELS works at ADB and Underpass
- RC works at AGS
- RC structure at TTS
- Driven H-Pile works at ADB
- 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
- Water test and rectification work at Sludge Digester no. 1-3
- E&M work at Biogas Holder no.2

Contract DE/2020/01:

- No site works in May

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 (24 hrs Pump)	GW-RN0129-26	6-Feb-2026	5-Aug-2026
Construction Noise Permit (General 24 hrs)	GW-RN0500-26	16-June-2026	15-July-2026
Construction Noise Permit (General 24 hrs)	GW-RN0285-26	4-Mar-2026	3-Jun-2026
Construction Noise Permit (Percussive Pilling)	PR-RN0012-26	1-Apr-2026	30-June-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 Type 2 – Confined	EP/MD/26-063	4-Mar-2026	3-June-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	882106 882109 851819
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	34	20 – 40	291	500
AM2	35	26 – 43	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 May 2026 (µg/ m^3)
Content			
AM1	ASR A09	205-451	40
AM2	ASR A11		43

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	Lutron	SL-4033SD	Lutron SL-4033SD Sound Level Meter	I.491835
2	Lutron	SL-4033SD	Lutron SL-4033SD Sound Level Meter	I.571098
3	Lutron	SL-4033SD	Lutron SL-4033SD Sound Level Meter	I.518013
4	RION	NC-75	RION NC-75 Acoustic Calibrator	34524163
5	RION	NC-75	RION NC-75 Acoustic Calibrator	34724244
6	RION	NC-75	RION NC-75 Acoustic Calibrator	34724245

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	54.5 – 57.5	When one documented complaint is received	75
	CM2	56.6 – 60.5		75
	CM3	55.5 – 58.2		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 May 2026 L_{eq} (30min) dB(A)
CM1	NSR1	72	57.5
CM2	NSR2	74	60.5
CM3	NSR3	75	58.2

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 Multipara meter	YSI 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)	22C106561
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) and ALS Technichem (HK) Pty Limited (HOKLAS Reg. No. 066) have 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 5 May 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 18:54, 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 5 May 2026 and started around 17:51 (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, individual of Chinese Pond Heron *Ardeola bacchus* (1) were observed around 18:37 at the mudflat east side ANR1 of the Project boundary while individuals of Chinese Pond Heron *Ardeola bacchus* (1), Great Egret *Ardea alba* (9), Little Egret *Egretta garzetta* (14) and Grey Heron *Ardea cinerea* (2) were concurrently observed in pre-roost aggregate (PRA) at the mudflat northeast side ANR2 of the Project boundary (Table 17).

For the final night roost at around 18:54, individuals of Chinese Pond Heron *Ardeola bacchus* (4) and Little Egret *Egretta garzetta* (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* (2), Great Egret *Ardea alba* (13), Little Egret *Egretta garzetta* (17) and Grey Heron *Ardea cinerea* (2) 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: 5 May 2026			**Sunset Time: 18:51** **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* (18:37)		**Time of Return:**	Chinese Pond Heron *Ardeola bacchus*, Great Egret *Ardea alba*, Little Egret *Egretta garzetta* and Grey Heron *Ardea cinerea* (18:54)	
Parameters	**Location**		**Parameters**	**Location**	
	ANR1	**ANR2**		**ANR1**	**ANR2**
Pre-roost Aggregation (Y/N):	N	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. 4 m.
Substrate Height (m):	Approx. 5 m.	Approx. 4 m.			
Ardeid Species Composition	**Abundance (individuals)**		**Ardeid Species Composition**	**Abundance (individuals)**	
	ANR1	**ANR2**		**ANR1**	**ANR2**
Chinese Pond Heron *Ardeola bacchus*	1	1	Chinese Pond Heron *Ardeola bacchus*	4	2
Great Egret *Ardea alba*	-	9	Great Egret *Ardea alba*	-	13
Little Egret *Egretta garzetta*	-	14	Little Egret *Egretta garzetta*	3	17
Grey Heron *Ardea cinerea*	-	2	Grey Heron *Ardea cinerea*	-	2
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 5 May 2026 in concurrence with the construction phase monthly monitoring of the pre-identified active night roosts. Noise monitoring started at 18:54 and lasted for 30 minutes, until 19:24.

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	18:54	50.2	65.5 dB(A)[1]	72.2 dB(A)[2]
	NMS2	18:54	51.9		

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 May 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 7 May 2026 (daytime) which started at around 07:15. 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 **Table 19** 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 7 May 2026 (daytime) which started at around 07:15, is 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 433 avifauna individuals were recorded in the monitoring area during the May 2026 monitoring period, of which 341 individuals were recorded from the point count method and 92 individuals from the transect walk method. Relative to the May 2017 baseline data (point count method =190; and transect walk = 2), significant increases were noted for both point count and transect walk methods.

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**	**May-17**	**May-26**	**Remarks**
Point Count Method				
P1	FLW1	3	27	+
P2	FLW2	4	7	+
P3	FLW3	6	7	+
P4	FLW4	18	16	-
P5	FLW5	13	36	+
P6	FLW6	44	12	-
P7	FLW7	22	62	+
P9	SP/NSW3	26	82	+
P10	SP/NSW2	9	25	+
P11	NSW1	36	40	+
P12	SP/NSW1	9	27	+
Total		**190**	**341**	+
Mean		**17.27**	**31**	+
Transect Walk Method				
Fung Lok Wai	FLW	1	44	+
Nam Sang Wai	NSW	1	28	+
YLIE-CW	YLIE-CW	0	20	+
Total		**2**	**92**	+
Mean		**0.67**	**30.07**	+

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 433 avifauna individuals recorded in the monitoring area during the May 2026 monitoring period, 86 individuals (point count method = 72 individuals; transect walk method = 14 individuals) were of conservation importance. With reference to May 2017 data, (point count method = 71; and transect walk = 2), an increase was noted for both point count method and 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**	**May-17**	**May-26**	**Remarks**
Point Count Method				
P1	FLW1	2	7	+
P2	FLW2	0	0	=
P3	FLW3	0	2	+
P4	FLW4	9	3	-
P5	FLW5	5	4	-
P6	FLW6	21	1	-
P7	FLW7	0	27	+
P9	SP/NSW3	22	14	-
P10	SP/NSW2	3	7	+
P11	NSW1	4	6	+
P12	SP/NSW1	5	1	-
Total		**71**	**72**	+
Mean		**6.45**	**6.55**	+
Transect Walk Method				
Fung Lok Wai	FLW	1	5	+
Nam Sang Wai	NSW	1	6	+
YLIE-CW	YLIE-CW	0	3	+
Total		**2**	**14**	+
Mean		**0.67**	**4.67**	+

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 47 avifauna species (species richness) were recorded during the May 2026 monitoring period, of which, 43 species were recorded by the point count method while 26 species were noted by the transect walk method. Relative to the baseline data (point count method = 31 species; transect walk method = 1 species), an increase in total species richness for both point count method and 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 = 1.54; t-crit = 1.97; p-value = 1.25E-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 = 34.89; t-crit = 1.99; p-value = 7.61E-55; 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**	**May-17**	**May-26**	**Remarks**
Point Count Method				
P1	FLW1	1.1	2.00	+
P2	FLW2	0.69	1.28	+
P3	FLW3	1.56	1.35	-
P4	FLW4	1.9	1.93	+
P5	FLW5	2.1	2.65	+
P6	FLW6	2.23	1.47	-
P7	FLW7	1.91	1.96	+
P9	SP/NSW3	1.56	2.54	+
P10	SP/NSW2	1.68	2.19	+
P11	NSW1	2.75	2.61	-
P12	SP/NSW1	1.21	2.38	+
Overall H'		**3.13**	**3.25**	+
Species Richness		**31**	**43**	+
Transect Walk Method				
Fung Lok Wai	FLW	0	2.45	+
Nam Sang Wai	NSW	0	2.67	+
YLIE-CW	YLIE-CW	**	2.03	+
Overall H'		**0**	**2.96**	+
Species Richness		**1**	**26**	+

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 47 avifauna species identified during the May 2026 monitoring period, 15 species were of conservation importance (point count method = 13 species; transect walk method = 6 species). Meanwhile, relative to the baseline values in May 2017 (point count method = 7 species; transect walk method = 1 species), an increase in number of species with conservation importance was recorded for both point count method and transect walk method. In terms of Shannon diversity index (H'), there is an increase for both point count method (t-value = 0.91; t-crit = 1.98; p-value = 3.66E-01; α = 0.05) and transect walk method (t-value = 7.73; t-crit = 2.14; p-value = 2.03E-06; 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**	**May-17**	**May-26**	**Remarks**
Point Count Method				
P1	FLW1	0.69	0.41	-
P2	FLW2	**	**	=
P3	FLW3	**	0	+
P4	FLW4	0.68	0.64	-
P5	FLW5	1.33	0.56	-
P6	FLW6	1.13	0	-
P7	FLW7	**	0.67	+
P9	SP/NSW3	1.08	1.47	+
P10	SP/NSW2	1.1	1.28	+
P11	NSW1	1.39	1.24	-
P12	SP/NSW1	0.5	0	-
Overall H'		**1.72**	**1.87**	+
Species Richness		**7**	**13**	+
Transect Walk Method				
Fung Lok Wai	FLW	0	1.33	+
Nam Sang Wai	NSW	0	0.87	+
YLIE-CW	YLIE-CW	**	0.64	+
Overall H'		**0**	**1.57**	+
Species Richness		**1**	**6**	+

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 Very Low (VL) or Very Low to Low (VL– L) abundance. In terms of species richness, different wetland habitats were generally observed with Low (L) or High to Very High (H – VH) 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	VL – L	H
	Shan Pui River adjacent to Project site	VL – L	VH
	Upper course of Shan Pui River along YLIE	VL	L
Ponds	Active Ponds adjacent to Project site in Fung Lok Wai	VL	L
	Active Ponds North to Nullah 2 in Fung Lok Wai	L – M	H – VH
	Inactive Ponds in Fung Lok Wai	VL – L	H – VH
	Active and Inactive Ponds in Nam Sang Wai	VL	M – H
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 Very Low (VL) 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	VL	VL
	Shan Pui River adjacent to Project site	VL	VL
	Upper course of Shan Pui River along YLIE	VL	VL
Ponds	Active Ponds adjacent to Project site in Fung Lok Wai	VL	VL
	Active Ponds North to Nullah 2 in Fung Lok Wai	VL	VL – L
	Inactive Ponds in Fung Lok Wai	VL	VL – L
	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 7 May 2026 and 5 May 2026 (daytime and 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 (7/5/2026)		Night time (5/5/2026)	
		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	07:37	53.6	18:17	51.5
	FLW2/ P2	08:22	52.6	18:59	51.6
	FLW3/ P3	09:04	53.3	19:35	52.3
	FLW4/ P4	09:28	53.1	20:24	51.3
	FLW5/ P5	08:42	54.5	19:57	53.2
	FLW6/ P6	07:53	56.5	19:09	52.4
	FLW7/ P7	07:16	54.5	18:32	52.6
	SP/NSW3/ P9	07:43	56.0	18:12	53.8
	SP/NSW2/ P10	08:34	55.0	18:57	54.5
	NSW1/ P11	09:17	53.5	19:44	53.9
	SP/NSW1/ P12	10:01	54.5	20:30	53.4

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 6, 13, 19 and 27 May 2026.

For Contract DE/2020/01, 1 site audit was carried on 15 May 2026 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 6, 13, 19 and 27 May 2026.

8.1.3 In the reporting month, one site inspection for Contract DE/2020/01 was carried out on 15 May 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 April 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 March 2026)	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 April 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 Nam Sang Wai Sewage Pumping Station
- ABWF and E&M works at IW (Remaining area)
- ELS and RC works at PST Stage 2
- RC work at SDB
- RC work at Underpass
- RC work at ADB
- External UU works at site-wide
- RC structure at AGS and Water Tightness Test
- RC structure at TTS and Water Tightness Test and AWBF Works
- 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 & 3

Contract DE/2020/01:

- Installation of PV panels

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 4 environmental site inspections were carried out for Contract DC/2019/10 in the reporting month. Recommendations on mitigation measures for chemical and construction waste management, permit and 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 recommendation on mitigation measure was 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

- Watering for the haul road should be increased.

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

- Domestic waste and construction waste should be stored separately.
- Domestic waste should be stored in an enclosed rubbish bin.

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 the NRMM label for the generator at IW should be 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.

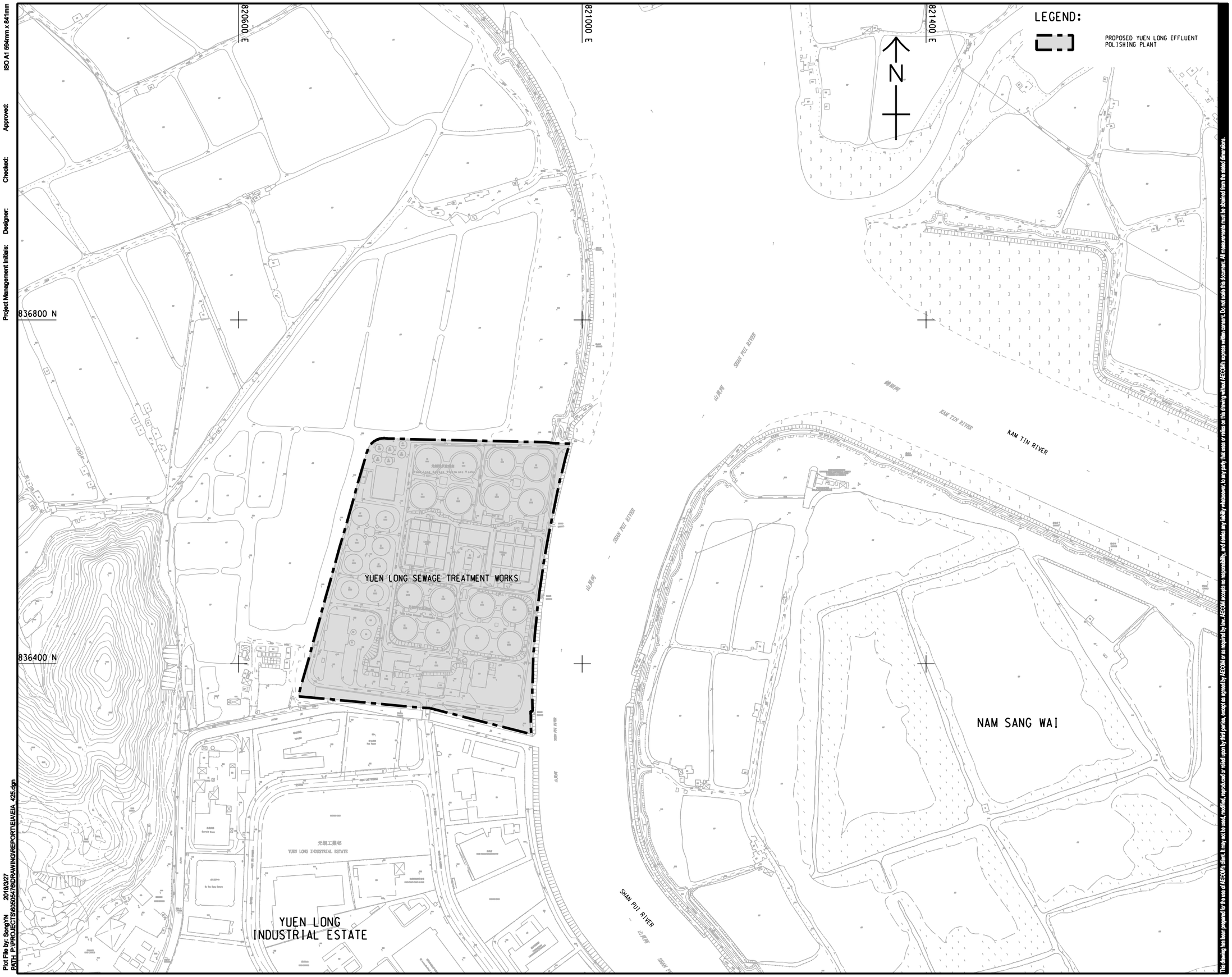
Permit/ Licenses

- 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



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Approved:

Checked:

Designer:

Project Management Initials:

Plot File by: SongYN 2016/3/27
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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
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I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核

STATUS
狀態

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

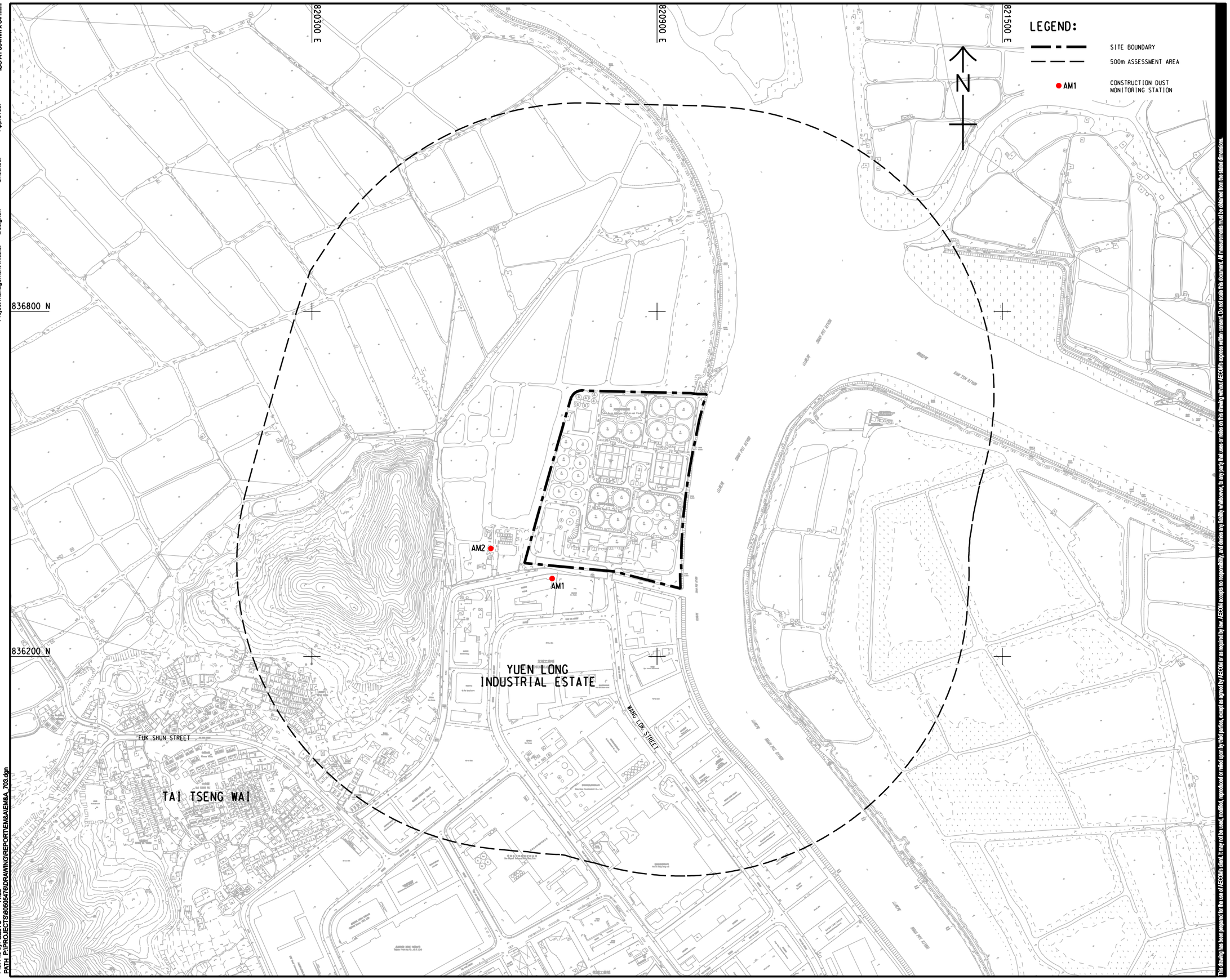
CONTRACT NO. 合約編號
CE 3/2015 (DS)

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



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PROJECT 項目

YUEN LONG EFFLUENT POLISHING PLANT - INVESTIGATION, DESIGN AND CONSTRUCTION

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渠務署
Drainage Services Department

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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

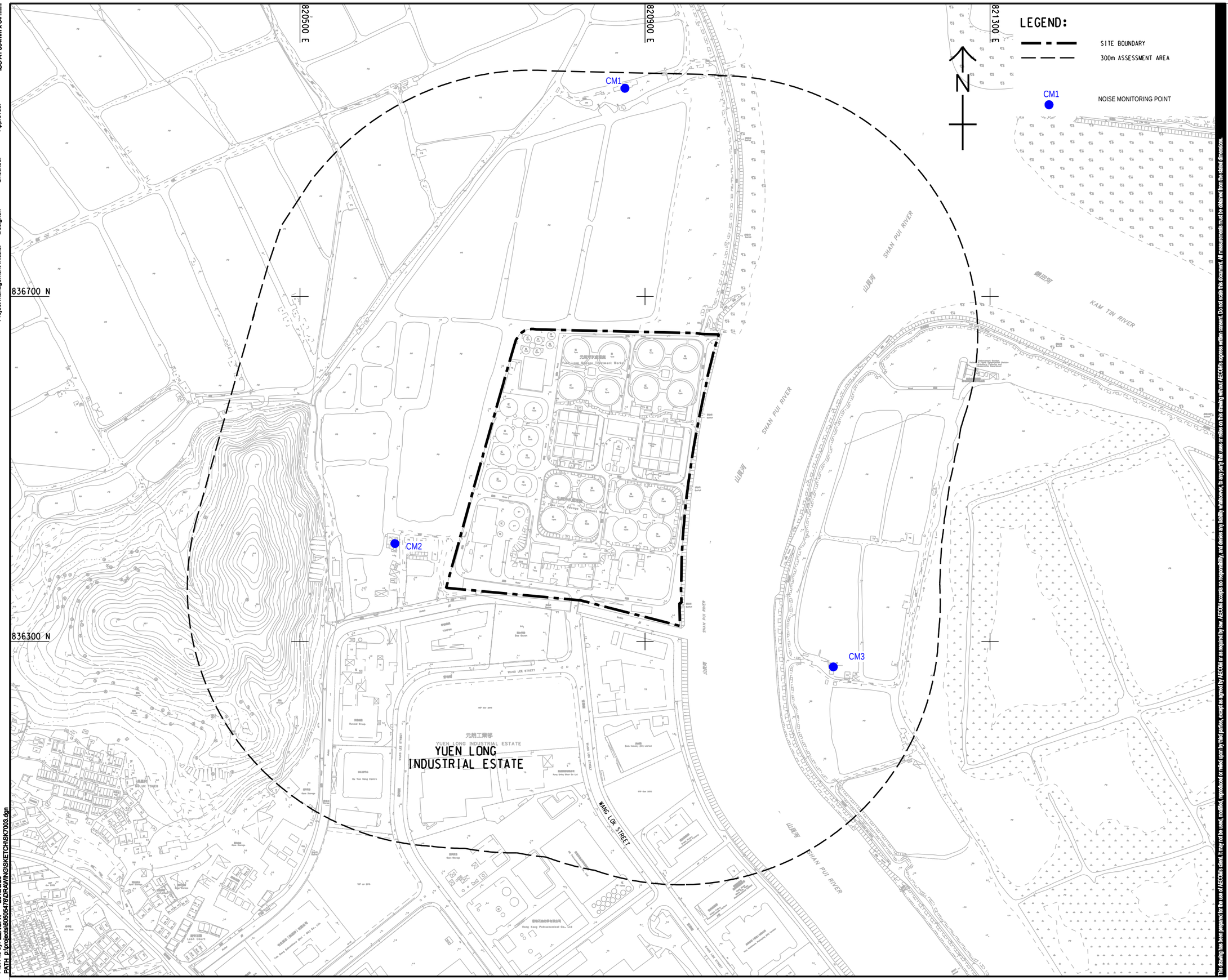
CONTRACT NO. 合約編號
CE 3/2015 (DS)

SHEET TITLE 圖紙名稱

LOCATION OF CONSTRUCTION DUST MONITOING STATIONS

SHEET NUMBER 圖紙編號

Figure 3 Noise Monitoring Locations



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Approved:

Checked:

Designer:

Project Management Initials:

Plot File by: ZENGFX 2019/2/26
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I/R 修訂	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
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
發行

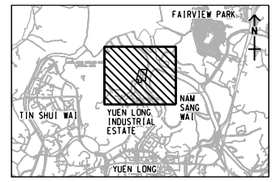
I/R 發行	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核

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

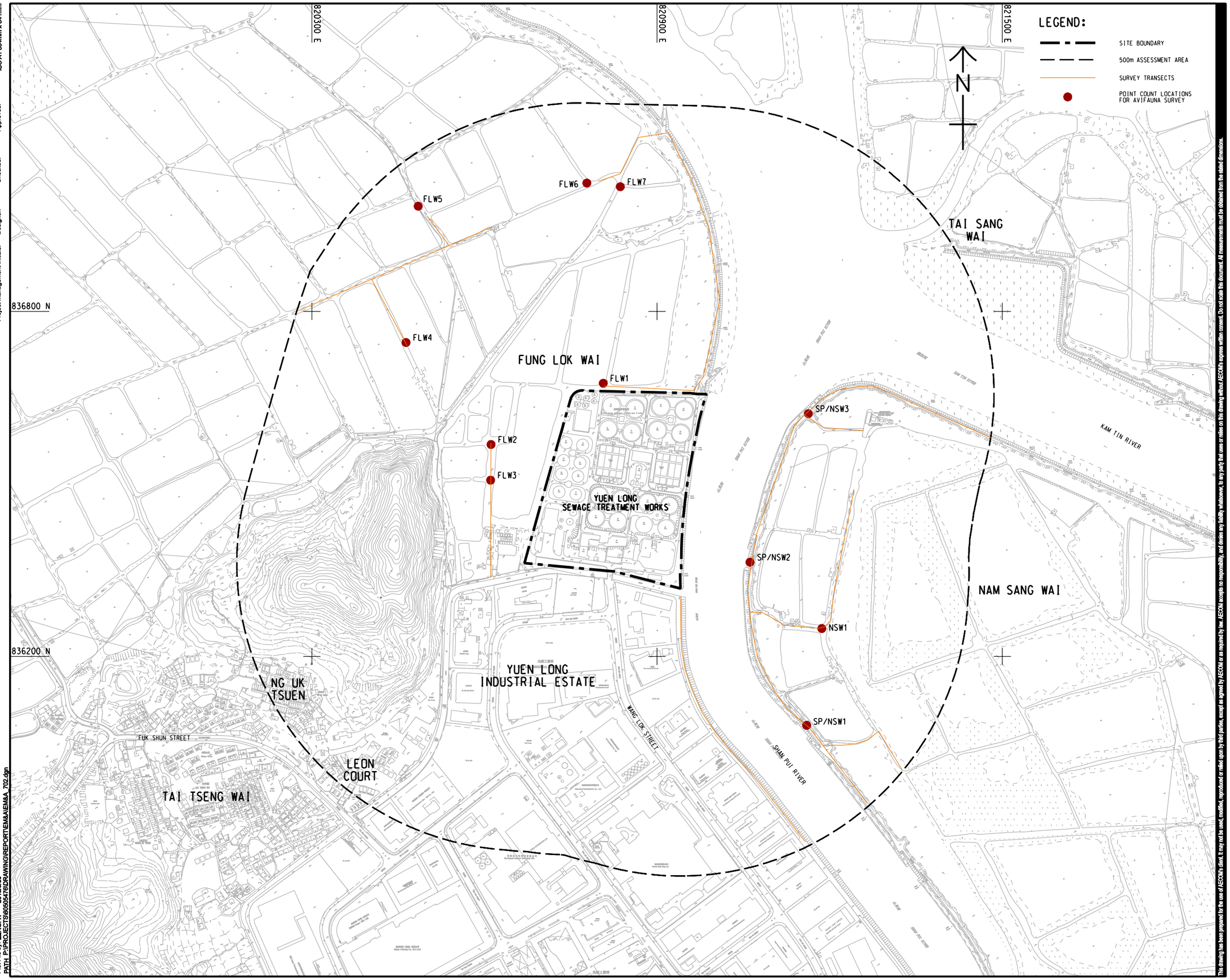
CONTRACT NO. 合約編號
CE 3/2015 (DS)

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



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

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PROJECT 項目

YUEN LONG EFFLUENT POLISHING PLANT - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT 業主

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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

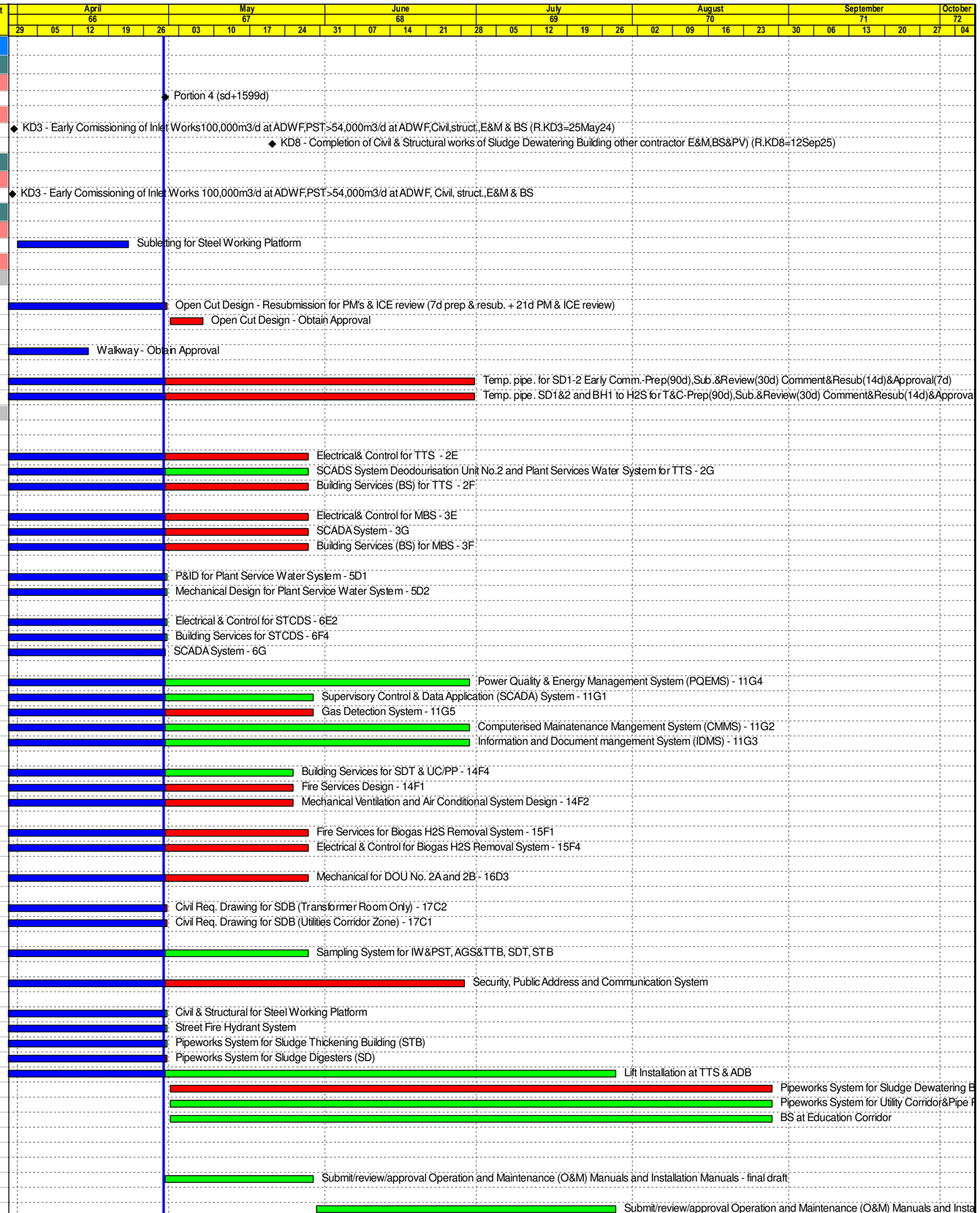
CONTRACT NO. 合約編號
CE 3/2015 (DS)

SHEET TITLE 圖紙名稱
ECOLOGICAL MONITORING LOCATIONS

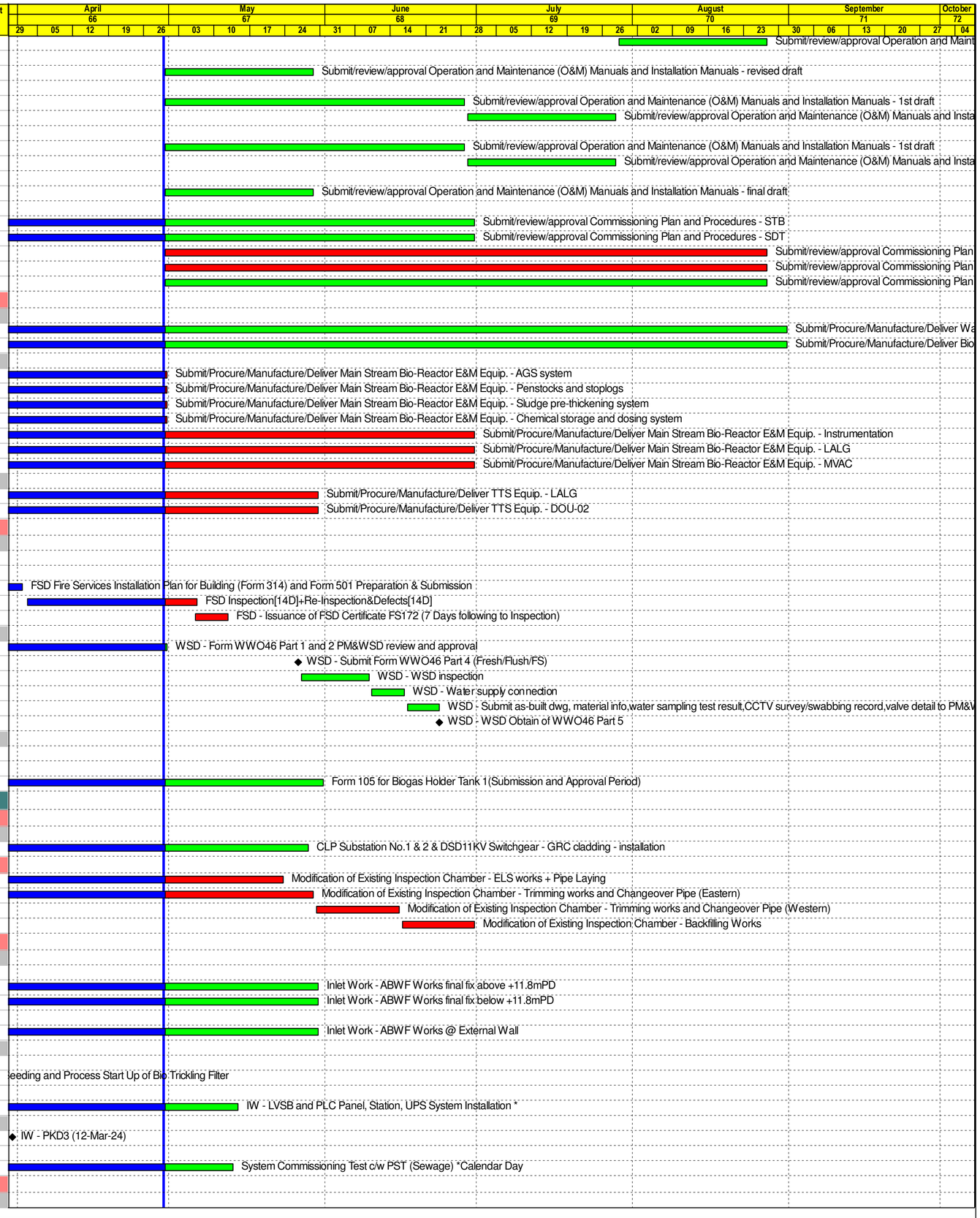
SHEET NUMBER 圖紙編號

Appendix A
Construction Programme

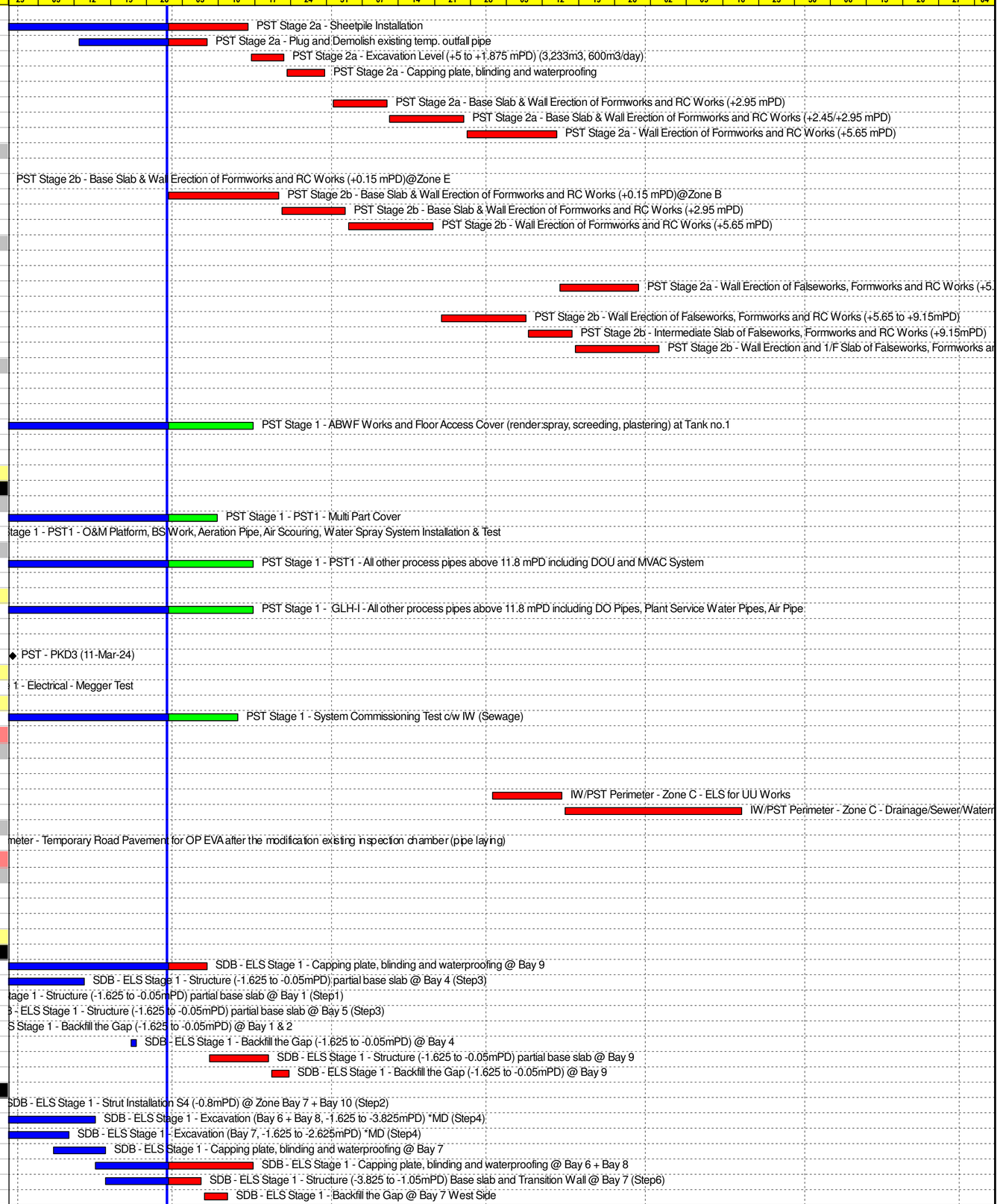
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
YLEPP Stage 1 - Detailed Works Programme DPv61_260513					
Contract Data Part 1					
Access Dates					
ADP4	Portion 4 (sd+1599d)	0	30-Apr-26*		-399
Contract Key Dates					
CKD3	KD3 - Early Comissioning of Inlet Works100,000m3/d at ADWF,PST>54,000m3/d at ADWF,Civil,str	0		31-Mar-26 A	
CKD8	KD8 - Completion of Civil & Structural works of Sludge Dewatering Building other contractor E&M,B	0		21-May-26*	0
Planned Completion					
Planned Key Dates					
PKD3	KD3 - Early Comissioning of Inlet Works 100,000m3/d at ADWF,PST>54,000m3/d at ADWF, Civil, s	0		31-Mar-26 A	
Preliminary and Preparation Works					
Subletting					
SUB-320	Subletting for Steel Working Platform	90	01-Apr-26 A	23-Apr-26 A	
Design Submission					
Temporary Works Design					
Administration Building					
TWD-320	Open Cut Design - Resubmission for PM's & ICE review (7d prep & resub. + 21d PM & ICE review)	14	14-Feb-26 A	30-Apr-26	-125
TWD-330	Open Cut Design - Obtain Approval	7	01-May-26	07-May-26	-125
Walkway Across Tai Tseng Wai Nullah					
TWD-640	Walkway - Obtain Approval	7	28-Feb-26 A	15-Apr-26 A	
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	30-Jun-26	-154
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	30-Jun-26	-84
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-May-26	-361
DDA-140	SCADS System Deodourisation Unit No.2 and Plant Services Water System for TTS - 2G	126	12-Sep-23 A	28-May-26	969
DDA-220	Building Services (BS) for TTS - 2F	199	30-Oct-23 A	28-May-26	-361
Package 3 - Mainstream Bio-Reactor System					
DDA-300	Electrical& Control for MBS - 3E	405	08-Oct-21 A	28-May-26	-284
DDA-255	SCADA System - 3G	204	16-Jun-23 A	28-May-26	-266
DDA-310	Building Services (BS) for MBS - 3F	151	23-Oct-24 A	28-May-26	-248
Package 5 - Master Water Meter Room & PSW					
DDA-390	P&ID for Plant Service Water System - 5D1	64	26-Jun-23 A	30-Apr-26	997
DDA-385	Mechanical Design for Plant Service Water System - 5D2	64	17-May-25 A	30-Apr-26	997
Package 6 - Sludge Thickening Chemical and Dosing System					
DDA-1140	Electrical & Control for STCDS - 6E2	315	30-Nov-21 A	30-Apr-26	997
DDA-1150	Building Services for STCDS - 6F4	126	24-Oct-22 A	30-Apr-26	997
DDA-440	SCADA System - 6G	250	15-Oct-24 A	30-Apr-26	429
Package 11 - Control and Monitoring System					
DDA-580	Power Quality & Energy Management System (PQEMS) - 11G4	130	02-Oct-21 A	29-Jun-26	937
DDA-550	Supervisory Control & Data Application (SCADA) System - 11G1	238	24-Apr-23 A	29-May-26	968
DDA-1270	Gas Detection System - 11G5	91	08-May-23 A	29-May-26	-249
DDA-560	Computerised Mainatenance Mangement System (CMMS) - 11G2	275	30-Jun-25 A	29-Jun-26	183
DDA-570	Information and Document mangement System (IDMS) - 11G3	275	30-Jun-25 A	29-Jun-26	937
Package 14 - Sludge Anærobic Digestion System (SDT)					
DDA-1330	Building Services for SDT & UC/PP - 14F4	180	02-May-23 A	25-May-26	153
DDA-1640	Fire Services Design - 14F1	180	28-Jan-25 A	25-May-26	-290
DDA-1650	Mechanical Ventilation and Air Conditional System Design - 14F2	180	13-Feb-25 A	25-May-26	-290
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-May-26	-174
DDA-1380	Electrical & Control for Biogas H2S Removal System - 15F4	105	25-Sep-23 A	28-May-26	-174
Package 16 - Deodorization Unit System					
DDA-1430	Mechanical for DOU No. 2A and 2B - 16D3	122	13-Oct-23 A	28-May-26	-218
Package 17 - Sludge Dewatering Building (SDB)					
DDA-950	Civil Req. Drawing for SDB (Transformer Room Only) - 17C2	120	27-Apr-23 A	30-Apr-26	-97
DDA-910	Civil Req. Drawing for SDB (Utilities Corridor Zone) - 17C1	120	27-Mar-24 A	30-Apr-26	-97
Package 22 - Sampling System of YLEPP					
DDA-740	Sampling System for IW&PST, AGS&TTB, SDT, STB	120	07-Jul-23 A	28-May-26	969
Package 23 - Security, Public Address and Communication System					
DDA-750	Security, Public Address and Communication System	120	28-Jun-23 A	28-Jun-26	-334
Design out of ATAL's Scope					
DDA-730	Civil & Structural for Steel Working Platform	100	02-Sep-22 A	30-Apr-26	997
DDA-1560	Street Fire Hydrant System	120	22-Dec-23 A	30-Apr-26	139
DDA-660	Pipeworks System for Sludge Thickening Building (STB)	120	15-Oct-24 A	30-Apr-26	997
DDA-685	Pipeworks System for Sludge Digesters (SD)	120	02-Dec-24 A	30-Apr-26	-97
DDA-1580	Lift Installation at TTS & ADB	120	22-Dec-25 A	28-Jul-26	271
DDA-690	Pipeworks System for Sludge Dewatering Building (SDB)	120	01-May-26	28-Aug-26	-88
DDA-700	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP)	120	01-May-26	28-Aug-26	318
DDA-1570	BS at Education Corridor	120	01-May-26	28-Aug-26	242
Technical Submission					
Operation and Maintenance (O&M) Manuals and Installation Manuals (PS 34.20(11)(12)(13))					
Inlet Works and Primary Sedimentation Tank					
SUBM-1210	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - fina	30	30-Apr-26	29-May-26	34
AGS and TTS system					
SUBM-1220	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	30-May-26	28-Jul-26	34



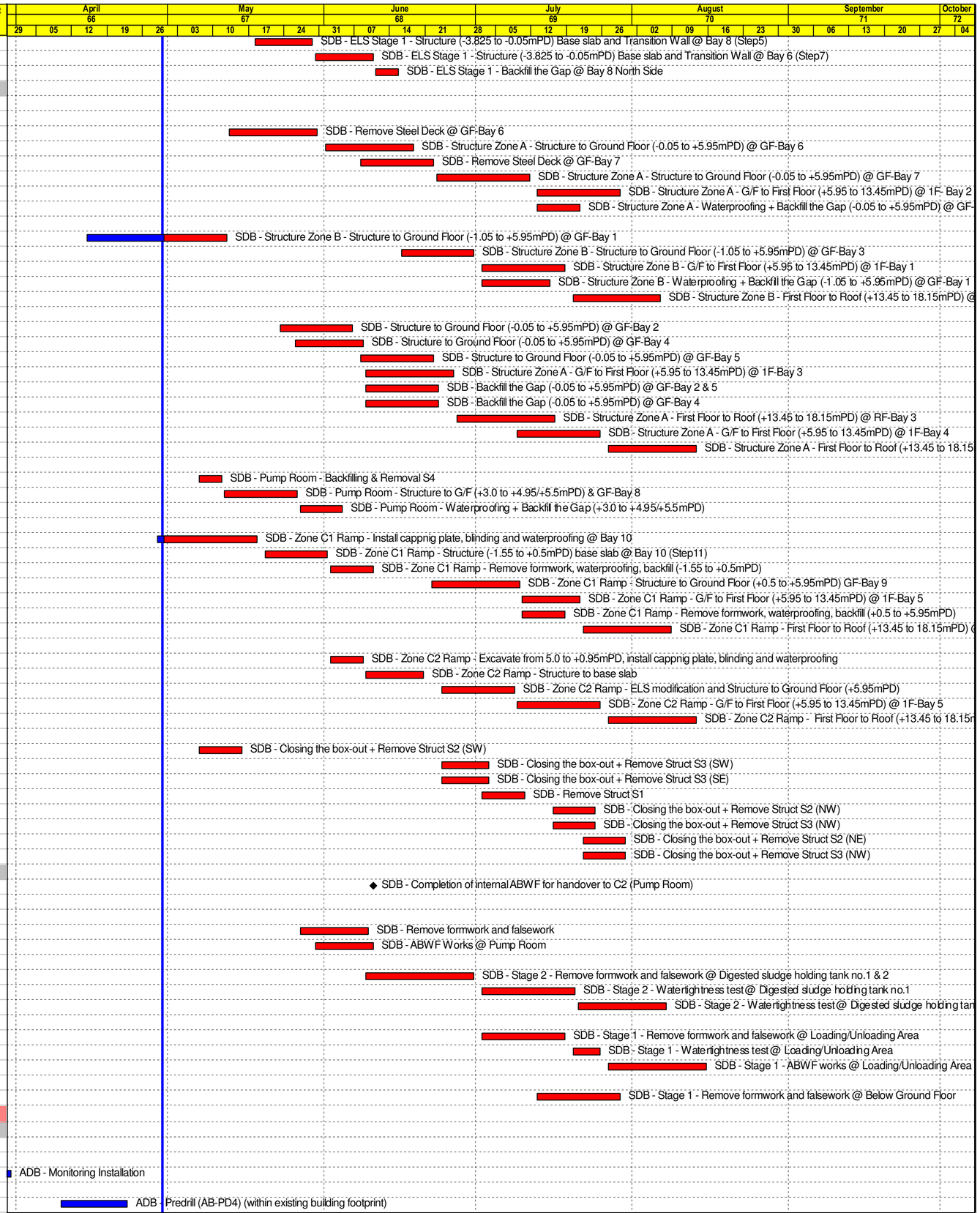
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
SUBM-1230	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - rev	30	29-Jul-26	27-Aug-26	34
Sludge Thickening System					
SUBM-1260	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - rev	30	30-Apr-26	29-May-26	93
Sludge Disgestion System					
SUBM-1310	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	30-Apr-26	28-Jun-26	40
SUBM-1320	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - rev	30	29-Jun-26	28-Jul-26	40
Biogas H2S Removal System					
SUBM-1280	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	30-Apr-26	28-Jun-26	345
SUBM-1290	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - rev	30	29-Jun-26	28-Jul-26	345
Deodourization System					
SUBM-1360	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - fina	30	30-Apr-26	29-May-26	525
Commissioning Plan and Procedures (PS34.20(10))					
SUBM-1040	Submit/review/approval Commissioning Plan and Procedures - STB	120	22-Jan-26 A	30-Jun-26	122
SUBM-1050	Submit/review/approval Commissioning Plan and Procedures - SDT	120	24-Feb-26 A	30-Jun-26	128
SUBM-1020	Submit/review/approval Commissioning Plan and Procedures - AGS	120	30-Apr-26	27-Aug-26	-212
SUBM-1030	Submit/review/approval Commissioning Plan and Procedures - TTS	120	30-Apr-26	27-Aug-26	-212
SUBM-1060	Submit/review/approval Commissioning Plan and Procedures - BH	120	30-Apr-26	27-Aug-26	375
Material Submission, Procurement, Manufacturing and Delivery					
Biogas Holder					
PRE-410	Submit/Procure/Manufacture/Deliver Waste Gas Burner	300	19-Aug-21 A	31-Aug-26	301
PRE-430	Submit/Procure/Manufacture/Deliver Biogas Booster and Transfer Pumps	457	28-Jun-24 A	31-Aug-26	240
Mainstream Bio-Reactor					
PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - AGS system	480	09-Sep-22 A	30-Apr-26	-220
PRE-530	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Penstocks and stoplo	345	31-Oct-22 A	30-Apr-26	-183
PRE-550	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Sludge pre-thickening	510	31-Oct-22 A	30-Apr-26	-198
PRE-540	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Chemical storage and	270	18-Nov-22 A	30-Apr-26	-220
PRE-570	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Instrumentation	481	03-Apr-24 A	30-Jun-26	-243
PRE-560	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - LALG	349	16-Jul-24 A	30-Jun-26	-281
PRE-580	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - MVAC	138	16-Dec-24 A	30-Jun-26	-281
Tertiary Treatment System					
PRE-620	Submit/Procure/Manufacture/Deliver TTS Equip. - LALG	150	27-Mar-23 A	30-May-26	-229
PRE-690	Submit/Procure/Manufacture/Deliver TTS Equip. - DOU-02	500	07-Sep-23 A	30-May-26	-229
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	18-Mar-26 A	02-Apr-26 A	
FSD-1070	FSD Inspection[14D]+Re-Inspection&Defects[14D]	28	03-Apr-26 A	06-May-26	-155
FSD-1080	FSD - Issuance of FSD Certificate FS172 (7 Days following to Inspection)	7	06-May-26	12-May-26	-155
WSD Submission & Approval					
WSD-1030	WSD - Form WWO46 Part 1 and 2 PM&WSD review and approval	60	30-Sep-25 A	30-Apr-26	418
WSD-1040	WSD - Submit Form WWO46 Part 4 (Fresh/Flush/FS)	0		26-May-26	416
WSD-1050	WSD - WSD inspection	14	27-May-26	09-Jun-26	416
WSD-1060	WSD - Water supply connection	7	10-Jun-26	16-Jun-26	416
WSD-1070	WSD - Submit as-built dwg, material info,water sampling test result,CCTV survey/swabbing record,	7	17-Jun-26	23-Jun-26	416
WSD-1080	WSD - WSD Obtain of WWO46 Part 5	0		23-Jun-26	416
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	31-May-26	3
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-May-26	429
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	23-May-26	-158
IW-1350	Modification of Existing Inspection Chamber - Trimming works and Changeover Pipe (Eastern)	18	19-Jan-26 A	29-May-26	-162
IW-2980	Modification of Existing Inspection Chamber - Trimming works and Changeover Pipe (Western)	14	30-May-26	15-Jun-26	-162
IW-1340	Modification of Existing Inspection Chamber - Backfilling Works	12	16-Jun-26	30-Jun-26	-162
Inlet Works (IW)					
IW ABWF Works					
IW ABWF Works final fix					
IW-3250	Inlet Work - ABWF Works final fix above +11.8mPD	90	26-Aug-25 A	30-May-26	786
IW-3260	Inlet Work - ABWF Works final fix below +11.8mPD	90	26-Aug-25 A	30-May-26	786
IW ABWF Works - Roof					
IW-3030	Inlet Work - ABWF Works @ External Wall	120	02-Dec-24 A	30-May-26	786
IW E&M Works					
DOU-01 System - 01					
ATAL-2120	IW - DOU Seeding and Process Start Up of Bio Trickling Filter	3	17-Mar-26 A	18-Mar-26 A	
LV Switch Room (IW + PST)					
ATAL-1270	IW - LVSB and PLC Panel, Station, UPS System Installation *	36	09-Sep-24 A	14-May-26	799
IW E&M T&C Works					
IW-PKD3	IW - PKD3 (12-Mar-24)	0		31-Mar-26 A	
Phase 5 - System Commissioning Test c/w PST (Sewage)					
ATAL-1100	System Commissioning Test c/w PST (Sewage) *Calendar Day	30	01-Mar-26 A	13-May-26	50
Primary Sedimentation Tank (PST)					
PST Stage 2a (N) Basement Construction Works					



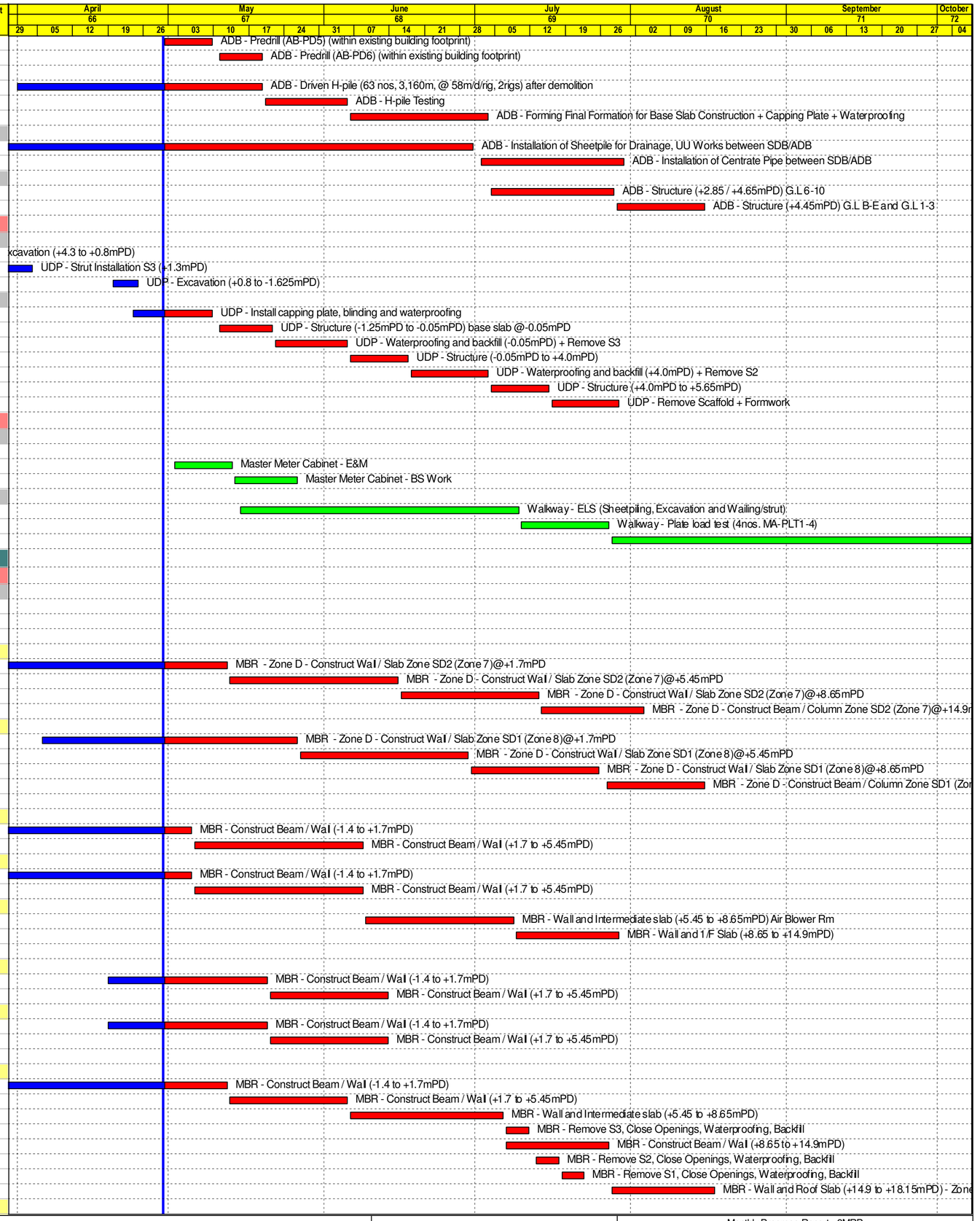
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
Excavation Works					
Z1-PST-4300	PST Stage 2a - Sheetpile Installation	11	05-Feb-26 A	15-May-26	-290
Z1-PST-4892	PST Stage 2a - Plug and Demolish existing temp. outfall pipe	10	13-Apr-26 A	07-May-26	-283
Z1-PST-4302	PST Stage 2a - Excavation Level (+5 to +1.875 mPD) (3,233m3, 600m3/day)	6	16-May-26	22-May-26	-290
Z1-PST-4305	PST Stage 2a - Capping plate, blinding and waterproofing	6	23-May-26	30-May-26	-290
Basement RC Works					
Z1-PST-4372	PST Stage 2a - Base Slab & Wall Erection of Formworks and RC Works (+2.95 mPD)	10	01-Jun-26	11-Jun-26	-290
Z1-PST-4322	PST Stage 2a - Base Slab & Wall Erection of Formworks and RC Works (+2.45/+2.95 mPD)	12	12-Jun-26	26-Jun-26	-290
Z1-PST-4332	PST Stage 2a - Wall Erection of Formworks and RC Works (+5.65 mPD)	14	27-Jun-26	14-Jul-26	-290
PST Stage 2b (S) Trench Construction Works (Zone E)					
Excavation Works					
Z1-PST-4000	PST Stage 2b - Base Slab & Wall Erection of Formworks and RC Works (+0.15 mPD)@Zone E	18	20-Mar-26 A	30-Mar-26 A	
Z1-PST-4010	PST Stage 2b - Base Slab & Wall Erection of Formworks and RC Works (+0.15 mPD)@Zone B	18	30-Apr-26	21-May-26	-270
Z1-PST-4020	PST Stage 2b - Base Slab & Wall Erection of Formworks and RC Works (+2.95 mPD)	10	22-May-26	03-Jun-26	-270
Z1-PST-4030	PST Stage 2b - Wall Erection of Formworks and RC Works (+5.65 mPD)	14	04-Jun-26	20-Jun-26	-270
PST Superstructure					
Stage 2a & 2b					
RC Works (2a) - North					
Z1-PST-4442	PST Stage 2a - Wall Erection of Falseworks, Formworks and RC Works (+5.65 to +9.15mPD)	14	15-Jul-26	30-Jul-26	-290
RC Works (2b) - South					
Z1-PST-4902	PST Stage 2b - Wall Erection of Falseworks, Formworks and RC Works (+5.65 to +9.15mPD)	14	22-Jun-26	08-Jul-26	-270
Z1-PST-4912	PST Stage 2b - Intermediate Slab of Falseworks, Formworks and RC Works (+9.15mPD)	8	09-Jul-26	17-Jul-26	-270
Z1-PST-4922	PST Stage 2b - Wall Erection and 1/F Slab of Falseworks, Formworks and RC Works (+9.15 to +1	14	18-Jul-26	03-Aug-26	-270
PST ABWF, E&M & T&C					
PST Stage 1					
PST Stage 1 - ABWF Works					
GL A-H above +11.8mPD					
PST-3185	PST Stage 1 - ABWF Works and Floor Access Cover (render:spray, screeding, plastering) at Tank	18	09-Jul-25 A	16-May-26	797
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	09-May-26	803
ATALPST-5410	PST Stage 1 - PST1 - O&M Platform, BS Work, Aeration Pipe, Air Scouring, Water Spray System Ir	31	28-Feb-26 A	23-Mar-26 A	
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	21	18-Mar-26 A	16-May-26	797
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 \	24	18-Mar-26 A	16-May-26	797
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		31-Mar-26 A	
Phase 1 - PST 1-3 Sub-System Physical Dry Check					
ATALPST-5810	PST Stage 1 - Electrical - Megger Test	11	02-Mar-26 A	19-Mar-26 A	
Phase 5 - System Commissioning Test c/w IW (Sewage)					
ATALPST-6010	PST Stage 1 - System Commissioning Test c/w IW (Sewage)	30	01-Mar-26 A	13-May-26	983
External Works - IWB & PST					
IWPST External Works - Zone A (Transformer House No.1)					
Stage 2 (KD3 - Zone A to C)					
IWPST External Works - Zone C (NSWSPS rising main) - Common Trench 1					
EW-1720	IW/PST Perimeter - Zone C - ELS for UU Works	12	02-Jul-26	15-Jul-26	-162
EW-1730	IW/PST Perimeter - Zone C - Drainage/Sewer/Watermain/Utility Installation	30	16-Jul-26	19-Aug-26	-162
IWPST External Works - Roadworks					
EW-1550	IW/PST Perimeter - Temporary Road Pavement for OP EVA after the modification existing inspectic	12	07-Mar-26 A	17-Mar-26 A	
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 (Base Slab and S4)					
SDB Foundation - ELS (Base Slab and S4) - Zone A					
SDB-6320	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 9	6	26-Jan-26 A	07-May-26	-94
SDB-6100	SDB - ELS Stage 1 - Structure (-1.625 to -0.05mPD) partial base slab @ Bay 4 (Step3)	8	28-Feb-26 A	14-Apr-26 A	
SDB-6052	SDB - ELS Stage 1 - Structure (-1.625 to -0.05mPD) partial base slab @ Bay 1 (Step1)	8	28-Feb-26 A	17-Mar-26 A	
SDB-6102	SDB - ELS Stage 1 - Structure (-1.625 to -0.05mPD) partial base slab @ Bay 5 (Step3)	8	07-Mar-26 A	25-Mar-26 A	
SDB-6055	SDB - ELS Stage 1 - Backfill the Gap (-1.625 to -0.05mPD) @ Bay 1 & 2	4	19-Mar-26 A	20-Mar-26 A	
SDB-6105	SDB - ELS Stage 1 - Backfill the Gap (-1.625 to -0.05mPD) @ Bay 4	4	23-Apr-26 A	24-Apr-26 A	
SDB-6240	SDB - ELS Stage 1 - Structure (-1.625 to -0.05mPD) partial base slab @ Bay 9	10	08-May-26	19-May-26	-94
SDB-6245	SDB - ELS Stage 1 - Backfill the Gap (-1.625 to -0.05mPD) @ Bay 9	4	20-May-26	23-May-26	-94
SDB Foundation - ELS (Base Slab and S4) - Zone B					
SDB-6250	SDB - ELS Stage 1 - Strut Installation S4 (-0.8mPD) @ Zone Bay 7 + Bay 10 (Step2)	9	09-Mar-26 A	28-Mar-26 A	
SDB-6070	SDB - ELS Stage 1 - Excavation (Bay 6 + Bay 8, -1.625 to -3.825mPD) *MD (Step4)	3	28-Mar-26 A	16-Apr-26 A	
SDB-6140	SDB - ELS Stage 1 - Excavation (Bay 7, -1.625 to -2.625mPD) *MD (Step4)	3	28-Mar-26 A	11-Apr-26 A	
SDB-6350	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 7	7	08-Apr-26 A	18-Apr-26 A	
SDB-6330	SDB - ELS Stage 1 - Capping plate, blinding and waterproofing @ Bay 6 + Bay 8	7	16-Apr-26 A	16-May-26	-85
SDB-6130	SDB - ELS Stage 1 - Structure (-3.825 to -1.05mPD) Base slab and Transition Wall @ Bay 7 (Step	10	18-Apr-26 A	06-May-26	-92
SDB-6135	SDB - ELS Stage 1 - Backfill the Gap @ Bay 7 West Side	4	07-May-26	11-May-26	-81



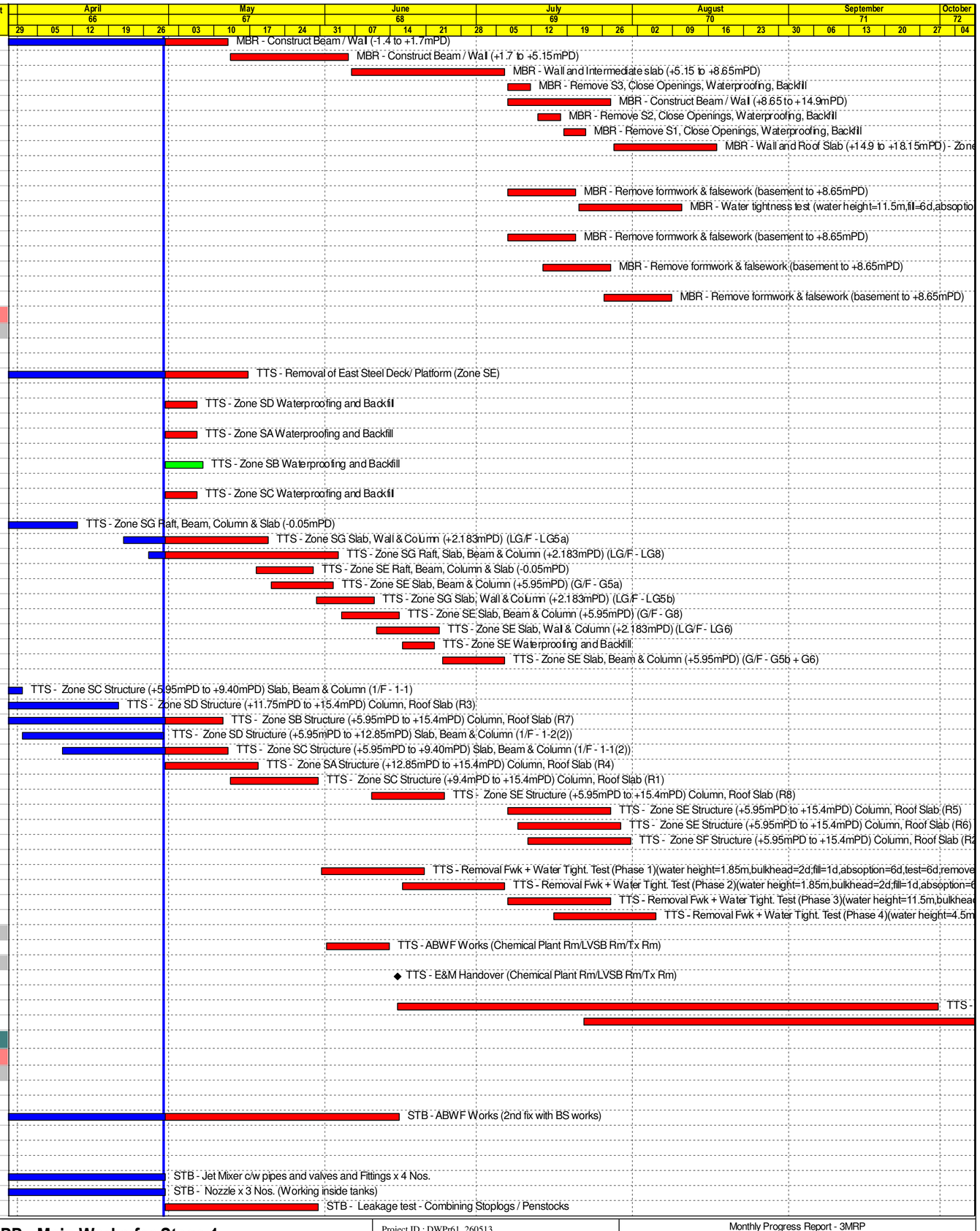
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
SDB-6080	SDB - ELS Stage 1 - Structure (-3.825 to -0.05mPD) Base slab and Transition Wall @ Bay 8 (Step	10	18-May-26	29-May-26	-85
SDB-6970	SDB - ELS Stage 1 - Structure (-3.825 to -0.05mPD) Base slab and Transition Wall @ Bay 6 (Step	10	30-May-26	10-Jun-26	-85
SDB-6085	SDB - ELS Stage 1 - Backfill the Gap @ Bay 8 North Side	4	11-Jun-26	15-Jun-26	-85
SDB Structure					
SDB Structure Zone A and B					
SDB Structure Zone 3A and 4A (GF-Bay 6 and 7)					
SDB-6260	SDB - Remove Steel Deck @ GF-Bay 6	15	13-May-26	30-May-26	-92
SDB-1550	SDB - Structure Zone A - Structure to Ground Floor (-0.05 to +5.95mPD) @ GF-Bay 6	16	01-Jun-26	18-Jun-26	-92
SDB-6270	SDB - Remove Steel Deck @ GF-Bay 7	12	08-Jun-26	22-Jun-26	-94
SDB-6990	SDB - Structure Zone A - Structure to Ground Floor (-0.05 to +5.95mPD) @ GF-Bay 7	16	23-Jun-26	11-Jul-26	-94
SDB-1570	SDB - Structure Zone A - G/F to First Floor (+5.95 to 13.45mPD) @ 1F- Bay 2	15	13-Jul-26	29-Jul-26	-94
SDB-1555	SDB - Structure Zone A - Waterproofing + Backfill the Gap (-0.05 to +5.95mPD) @ GF-Bay 6 & Ba	8	13-Jul-26	21-Jul-26	-72
SDB Structure Zone 3B and 4B (GF-Bay 1 and 3)					
SDB-6150	SDB - Structure Zone B - Structure to Ground Floor (-1.05 to +5.95mPD) @ GF-Bay 1	12	15-Apr-26 A	12-May-26	-92
SDB-6155	SDB - Structure Zone B - Structure to Ground Floor (-1.05 to +5.95mPD) @ GF-Bay 3	12	16-Jun-26	30-Jun-26	-85
SDB-6200	SDB - Structure Zone B - G/F to First Floor (+5.95 to 13.45mPD) @ 1F-Bay 1	15	02-Jul-26	18-Jul-26	-85
SDB-6175	SDB - Structure Zone B - Waterproofing + Backfill the Gap (-1.05 to +5.95mPD) @ GF-Bay 1 & Ba	12	02-Jul-26	15-Jul-26	-67
SDB-6210	SDB - Structure Zone B - First Floor to Roof (+13.45 to 18.15mPD) @ RF-Bay 1	16	20-Jul-26	06-Aug-26	-85
SDB Structure Zone 2A and 2B (GF-Bay 2, 4 and 5)					
SDB-6490	SDB - Structure to Ground Floor (-0.05 to +5.95mPD) @ GF-Bay 2	12	23-May-26	06-Jun-26	-94
SDB-6510	SDB - Structure to Ground Floor (-0.05 to +5.95mPD) @ GF-Bay 4	12	26-May-26	08-Jun-26	-92
SDB-6980	SDB - Structure to Ground Floor (-0.05 to +5.95mPD) @ GF-Bay 5	12	08-Jun-26	22-Jun-26	-78
SDB-6570	SDB - Structure Zone A - G/F to First Floor (+5.95 to 13.45mPD) @ 1F-Bay 3	15	09-Jun-26	26-Jun-26	-67
SDB-6720	SDB - Backfill the Gap (-0.05 to +5.95mPD) @ GF-Bay 2 & 5	12	09-Jun-26	23-Jun-26	-49
SDB-6730	SDB - Backfill the Gap (-0.05 to +5.95mPD) @ GF-Bay 4	12	09-Jun-26	23-Jun-26	-92
SDB-6600	SDB - Structure Zone A - First Floor to Roof (+13.45 to 18.15mPD) @ RF-Bay 3	16	27-Jun-26	16-Jul-26	-67
SDB-6580	SDB - Structure Zone A - G/F to First Floor (+5.95 to 13.45mPD) @ 1F-Bay 4	15	09-Jul-26	25-Jul-26	-91
SDB-6610	SDB - Structure Zone A - First Floor to Roof (+13.45 to 18.15mPD) @ RF-Bay 4	16	27-Jul-26	13-Aug-26	-91
SDB Structure Zone B (Pump Room)(GF-Bay 8)					
SDB-5090	SDB - Pump Room - Backfilling & Removal S4	4	07-May-26	11-May-26	-92
SDB-5100	SDB - Pump Room - Structure to G/F (+3.0 to +4.95/+5.5mPD) & GF-Bay 8	12	12-May-26	26-May-26	-92
SDB-5170	SDB - Pump Room - Waterproofing + Backfill the Gap (+3.0 to +4.95/+5.5mPD)	8	27-May-26	04-Jun-26	-64
SDB Structure Zone C1 (Ramp)(GF-Bay 9)					
SDB-2340	SDB - Zone C1 Ramp - Install cappnig plate, blinding and waterproofing @ Bay 10	8	29-Apr-26 A	18-May-26	-90
SDB-2210	SDB - Zone C1 Ramp - Structure (-1.55 to +0.5mPD) base slab @ Bay 10 (Step11)	10	20-May-26	01-Jun-26	-91
SDB-6430	SDB - Zone C1 Ramp - Remove formwork, waterproofing, backfill (-1.55 to +0.5mPD)	8	02-Jun-26	10-Jun-26	-83
SDB-2240	SDB - Zone C1 Ramp - Structure to Ground Floor (+0.5 to +5.95mPD) GF-Bay 9	15	22-Jun-26	09-Jul-26	-91
SDB-2270	SDB - Zone C1 Ramp - G/F to First Floor (+5.95 to 13.45mPD) @ 1F-Bay 5	10	10-Jul-26	21-Jul-26	-88
SDB-6770	SDB - Zone C1 Ramp - Remove formwork, waterproofing, backfill (+0.5 to +5.95mPD)	8	10-Jul-26	18-Jul-26	-88
SDB-2280	SDB - Zone C1 Ramp - First Floor to Roof (+13.45 to 18.15mPD) @ RF-Bay 6	16	22-Jul-26	08-Aug-26	-88
SDB Structure Zone C2 (Ramp)					
SDB-6920	SDB - Zone C2 Ramp - Excavate from 5.0 to +0.95mPD, install cappnig plate, blinding and waterpr	6	02-Jun-26	08-Jun-26	-91
SDB-6800	SDB - Zone C2 Ramp - Structure to base slab	10	09-Jun-26	20-Jun-26	-91
SDB-6860	SDB - Zone C2 Ramp - ELS modification and Structure to Ground Floor (+5.95mPD)	12	24-Jun-26	08-Jul-26	-92
SDB-6820	SDB - Zone C2 Ramp - G/F to First Floor (+5.95 to 13.45mPD) @ 1F-Bay 5	15	09-Jul-26	25-Jul-26	-92
SDB-6830	SDB - Zone C2 Ramp - First Floor to Roof (+13.45 to 18.15mPD) @ RF-Bay 5	16	27-Jul-26	13-Aug-26	-92
SDB Struct Removal					
SDB-6680	SDB - Closing the box-out + Remove Struct S2 (SW)	8	07-May-26	15-May-26	-6
SDB-6690	SDB - Closing the box-out + Remove Struct S3 (SW)	8	24-Jun-26	03-Jul-26	-49
SDB-6740	SDB - Closing the box-out + Remove Struct S3 (SE)	8	24-Jun-26	03-Jul-26	-49
SDB-6700	SDB - Remove Struct S1	8	02-Jul-26	10-Jul-26	-55
SDB-6670	SDB - Closing the box-out + Remove Struct S2 (NW)	8	16-Jul-26	24-Jul-26	-67
SDB-6750	SDB - Closing the box-out + Remove Struct S3 (NW)	8	16-Jul-26	24-Jul-26	-67
SDB-6650	SDB - Closing the box-out + Remove Struct S2 (NE)	8	22-Jul-26	30-Jul-26	-72
SDB-6960	SDB - Closing the box-out + Remove Struct S3 (NW)	8	22-Jul-26	30-Jul-26	-72
SDB ABWF & BS Works					
SDB-7020	SDB - Completion of internal ABWF for handover to C2 (Pump Room)	0		10-Jun-26	-17
SDB ABWF Works at Below Ground Floor					
Pump Room					
SDB-2540	SDB - Remove formwork and falsework	12	27-May-26	09-Jun-26	-17
SDB-2550	SDB - ABWF Works @ Pump Room	10	30-May-26	10-Jun-26	-17
Digested sludge tank no. 1 and 2					
SDB-2390	SDB - Stage 2 - Remove formwork and falsework @ Digested sludge holding tank no.1 & 2	18	09-Jun-26	30-Jun-26	-72
SDB-2400	SDB - Stage 2 - Watertightness test @ Digested sludge holding tank no.1	16	02-Jul-26	20-Jul-26	-72
SDB-2490	SDB - Stage 2 - Watertightness test @ Digested sludge holding tank no.2	16	21-Jul-26	07-Aug-26	-72
Loading / Unloading area					
SDB-2510	SDB - Stage 1 - Remove formwork and falsework @ Loading/Unloading Area	15	02-Jul-26	18-Jul-26	-72
SDB-2520	SDB - Stage 1 - Watertightness test @ Loading/Unloading Area	6	20-Jul-26	25-Jul-26	-72
SDB-2530	SDB - Stage 1 - ABWF works @ Loading/Unloading Area	18	27-Jul-26	15-Aug-26	-72
Other dry area					
SDB-2360	SDB - Stage 1 - Remove formwork and falsework @ Below Ground Floor	15	13-Jul-26	29-Jul-26	-71
Administration Building (ADB)					
ADB Foundation Works					
ADB Predrilling and Piling after Demolition					
ADB Monitoring					
ADB-1230	ADB - Monitoring Installation	6	25-Mar-26 A	31-Mar-26 A	
ADB Predrilling					
ADB-1420	ADB - Predrill (AB-PD4) (within existing building footprint)	8	10-Apr-26 A	23-Apr-26 A	



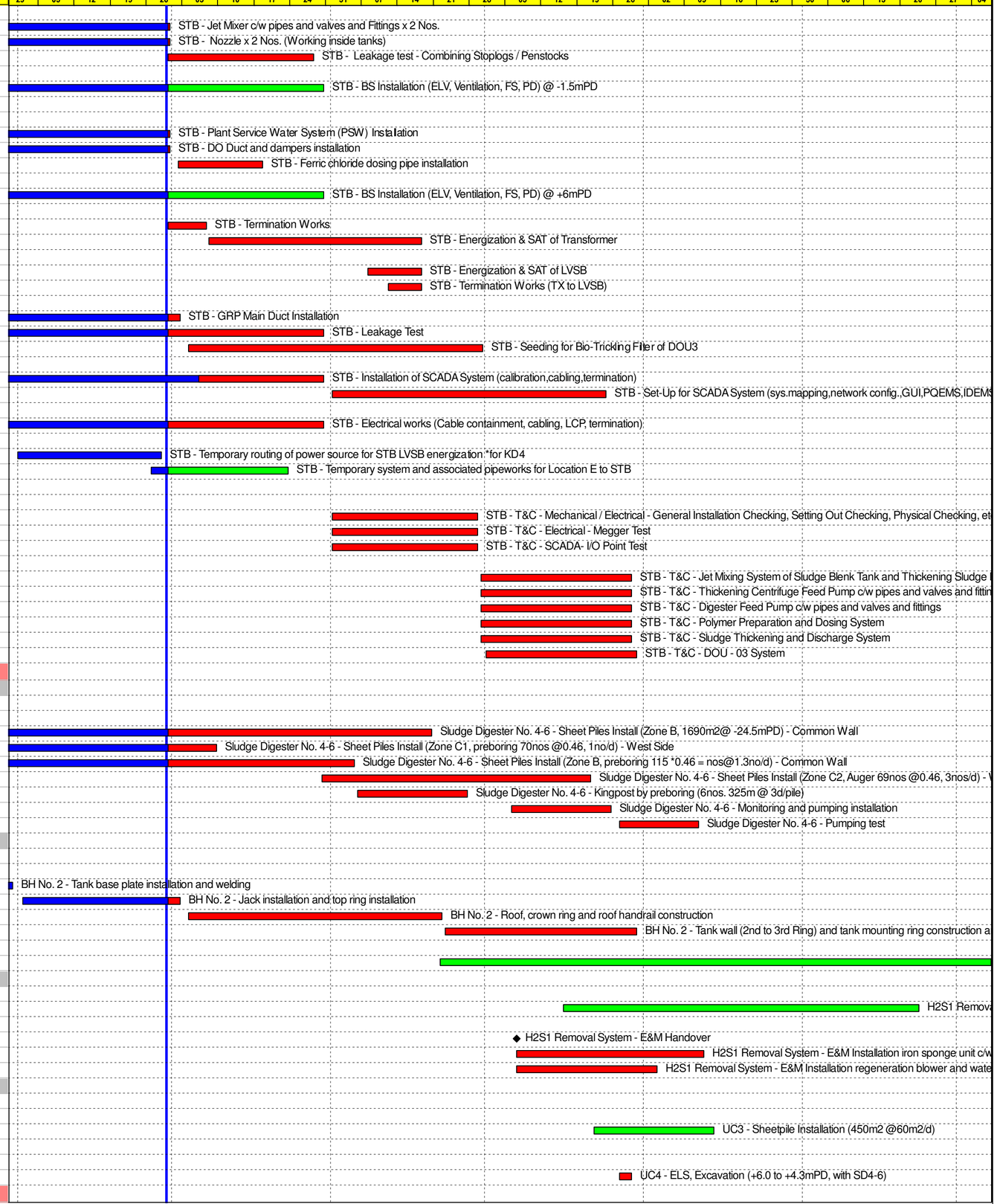
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
ADB-1440	ADB - Predrill (AB-PD5) (within existing building footprint)	8	30-Apr-26	09-May-26	-109
ADB-1430	ADB - Predrill (AB-PD6) (within existing building footprint)	8	11-May-26	19-May-26	-109
ADB Piling					
ADB-1090	ADB - Driven H-pile (63 nos, 3,160m, @ 58m/d/rig, 2rigs) after demolition	55	01-Apr-26 A	19-May-26	-37
ADB-1100	ADB - H-pile Testing	14	20-May-26	05-Jun-26	-123
ADB-1105	ADB - Forming Final Formation for Base Slab Construction + Capping Plate + Waterproofing	22	06-Jun-26	03-Jul-26	-123
ADB Excavation + UU between ADB/SDB					
ADB-1115	ADB - Installation of Sheetpile for Drainage, UU Works between SDB/ADB	25	04-Feb-26 A	30-Jun-26	-126
ADB-1125	ADB - Installation of Centrate Pipe between SDB/ADB	25	02-Jul-26	30-Jul-26	-126
ADB Structure					
ADB-1120	ADB - Structure (+2.85 / +4.65mPD) G.L 6-10	21	04-Jul-26	28-Jul-26	-123
ADB-1122	ADB - Structure (+4.45mPD) G.L B-E and G.L 1-3	16	29-Jul-26	15-Aug-26	-123
Underpass					
UDP Foundation and ELS Works					
UDP-1210	UDP - Excavation (+4.3 to +0.8mPD)	4	16-Mar-26 A	21-Mar-26 A	
UDP-1050	UDP - Strut Installation S3 (+1.3mPD)	10	23-Mar-26 A	04-Apr-26 A	
UDP-1060	UDP - Excavation (+0.8 to -1.625mPD)	4	20-Apr-26 A	25-Apr-26 A	
UDP Structure					
UDP-1180	UDP - Install capping plate, blinding and waterproofing	5	24-Apr-26 A	09-May-26	-60
UDP-1170	UDP - Structure (-1.25mPD to -0.05mPD) base slab @-0.05mPD	10	11-May-26	21-May-26	-60
UDP-1175	UDP - Waterproofing and backfill (-0.05mPD) + Remove S3	12	22-May-26	05-Jun-26	-60
UDP-1070	UDP - Structure (-0.05mPD to +4.0mPD)	10	06-Jun-26	17-Jun-26	-60
UDP-1120	UDP - Waterproofing and backfill (+4.0mPD) + Remove S2	12	18-Jun-26	03-Jul-26	-60
UDP-1080	UDP - Structure (+4.0mPD to +5.65mPD)	10	04-Jul-26	15-Jul-26	-60
UDP-1150	UDP - Remove Scaffold + Formwork	12	16-Jul-26	29-Jul-26	-60
External Works - Other Areas					
Water Meter Cabinet					
Water Meter Cabinet - Structure					
CLP-1370	Master Meter Cabinet - E&M	10	02-May-26	13-May-26	338
CLP-1365	Master Meter Cabinet - BS Work	10	14-May-26	26-May-26	338
Walkway Across Tai Tseng Wai Nullah					
CLP-1120	Walkway - ELS (Sheetpiling, Excavation and Wailing/strut)	45	15-May-26*	09-Jul-26	296
CLP-1580	Walkway - Plate load test (4nos. MA-PLT1-4)	15	10-Jul-26	27-Jul-26	296
CLP-1390	Walkway - Structure (40d), Steel beam (5) & Concrete slab (15)	60	28-Jul-26	07-Oct-26	296
Zone 2 Construction					
Mainstream Bio-Reactor & Auxiliary Facility (MBR and AF)					
MBR and AF Structure					
MBR Structure					
MBR Substructure + Superstructure					
MBR Substructure Zone D (Zone 7 & 8)					
Central Corridor (Zone 7)					
MBRAF-5420	MBR - Zone D - Construct Wall / Slab Zone SD2 (Zone 7)@+1.7mPD	24	25-Mar-26 A	12-May-26	-339
MBRAF-5425	MBR - Zone D - Construct Wall / Slab Zone SD2 (Zone 7)@+5.45mPD	28	13-May-26	15-Jun-26	-339
MBRAF-5440	MBR - Zone D - Construct Wall / Slab Zone SD2 (Zone 7)@+8.65mPD	22	16-Jun-26	13-Jul-26	-339
MBRAF-5460	MBR - Zone D - Construct Beam / Column Zone SD2 (Zone 7)@+14.9mPD	18	14-Jul-26	03-Aug-26	-339
Central Corridor (Zone 8)					
MBRAF-5430	MBR - Zone D - Construct Wall / Slab Zone SD1 (Zone 8)@+1.7mPD	24	06-Apr-26 A	26-May-26	-341
MBRAF-5435	MBR - Zone D - Construct Wall / Slab Zone SD1 (Zone 8)@+5.45mPD	28	27-May-26	29-Jun-26	-341
MBRAF-5450	MBR - Zone D - Construct Wall / Slab Zone SD1 (Zone 8)@+8.65mPD	22	30-Jun-26	25-Jul-26	-341
MBRAF-5470	MBR - Zone D - Construct Beam / Column Zone SD1 (Zone 8)@+14.9mPD	18	27-Jul-26	15-Aug-26	-341
MBR Structure Zone C (Tank 2, Tank 4 and Air Blower Rm)					
Tank 2 (Zone 2)					
MBRAF-4550	MBR - Construct Beam / Wall (-1.4 to +1.7mPD)	18	28-Feb-26 A	05-May-26	-267
MBRAF-4560	MBR - Construct Beam / Wall (+1.7 to +5.45mPD)	28	06-May-26	08-Jun-26	-267
Tank 4 (Zone 4)					
MBRAF-4650	MBR - Construct Beam / Wall (-1.4 to +1.7mPD)	18	28-Feb-26 A	05-May-26	-318
MBRAF-4660	MBR - Construct Beam / Wall (+1.7 to +5.45mPD)	28	06-May-26	08-Jun-26	-318
Air Blower Rm					
MBRAF-5630	MBR - Wall and Intermediate slab (+5.45 to +8.65mPD) Air Blower Rm	24	09-Jun-26	08-Jul-26	-318
MBRAF-5640	MBR - Wall and 1/F Slab (+8.65 to +14.9mPD)	18	09-Jul-26	29-Jul-26	-318
MBR Structure Zone A (Tank 5 and Tank 6)					
Tank 5 (Zone 5)					
MBRAF-2590	MBR - Construct Beam / Wall (-1.4 to +1.7mPD)	18	19-Apr-26 A	20-May-26	-263
MBRAF-2600	MBR - Construct Beam / Wall (+1.7 to +5.45mPD)	20	21-May-26	13-Jun-26	-263
Tank 6 (Zone 6)					
MBRAF-4780	MBR - Construct Beam / Wall (-1.4 to +1.7mPD)	18	19-Apr-26 A	20-May-26	-263
MBRAF-4785	MBR - Construct Beam / Wall (+1.7 to +5.45mPD)	20	21-May-26	13-Jun-26	-263
MBR Structure Zone B (Tank 1 and Tank 3)					
Tank 1 (Zone 1)					
MBRAF-2710	MBR - Construct Beam / Wall (-1.4 to +1.7mPD)	20	13-Feb-26 A	12-May-26	-336
MBRAF-2720	MBR - Construct Beam / Wall (+1.7 to +5.45mPD)	20	13-May-26	05-Jun-26	-336
MBRAF-4900	MBR - Wall and Intermediate slab (+5.45 to +8.65mPD)	24	06-Jun-26	06-Jul-26	-336
MBRAF-2680	MBR - Remove S3, Close Openings, Waterproofing, Backfill	5	07-Jul-26	11-Jul-26	-335
MBRAF-4970	MBR - Construct Beam / Wall (+8.65 to +14.9mPD)	18	07-Jul-26	27-Jul-26	-283
MBRAF-2700	MBR - Remove S2, Close Openings, Waterproofing, Backfill	5	13-Jul-26	17-Jul-26	-335
MBRAF-2740	MBR - Remove S1, Close Openings, Waterproofing, Backfill	4	18-Jul-26	22-Jul-26	-286
MBRAF-5030	MBR - Wall and Roof Slab (+14.9 to +18.15mPD) - Zone 1	18	28-Jul-26	17-Aug-26	-283
Tank 3 (Zone 3)					



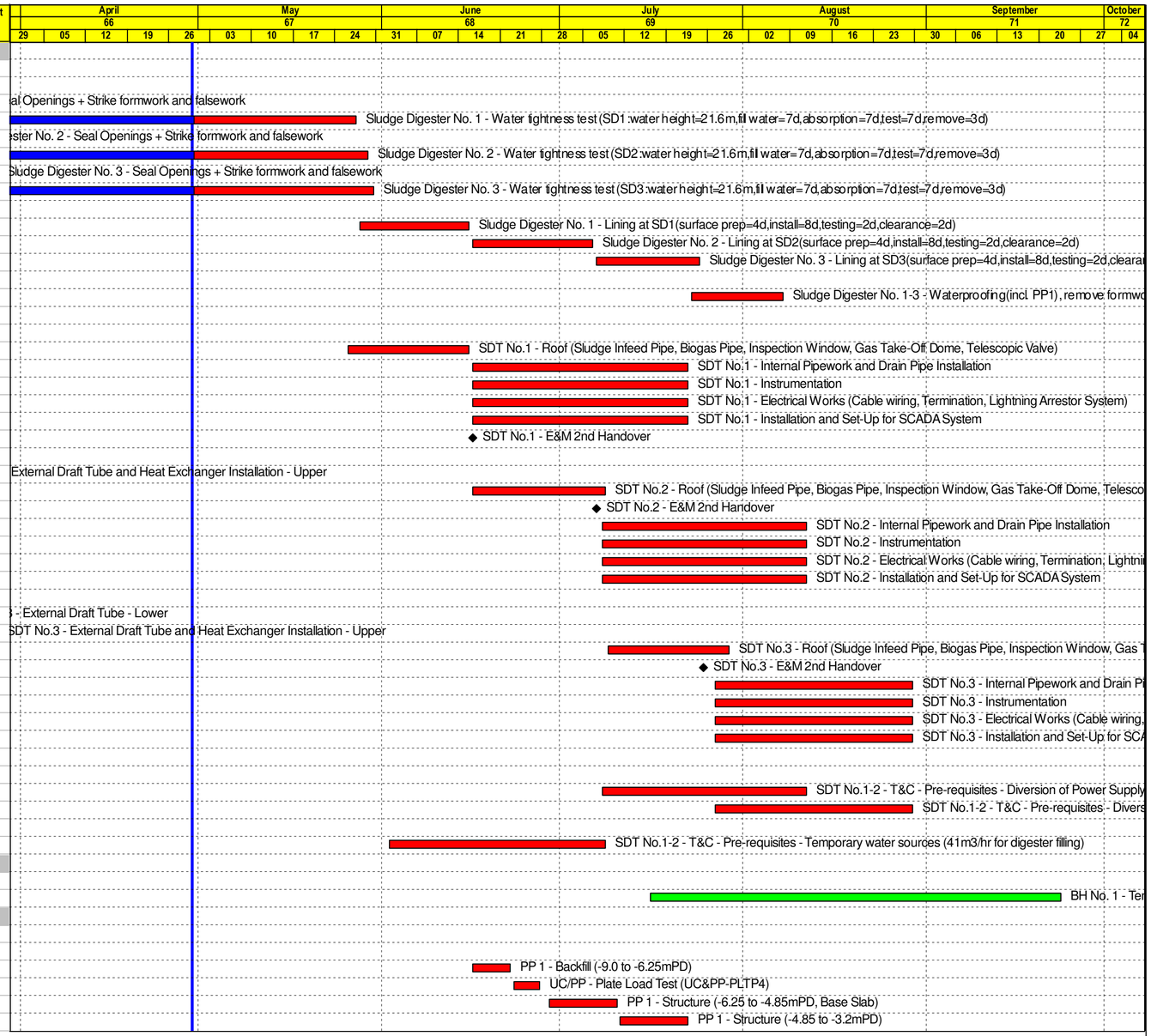
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
MBRAF-4850	MBR - Construct Beam / Wall (-1.4 to +1.7mPD)	20	26-Feb-26 A	12-May-26	-335
MBRAF-4860	MBR - Construct Beam / Wall (+1.7 to +5.15mPD)	20	13-May-26	05-Jun-26	-335
MBRAF-4910	MBR - Wall and Intermediate slab (+5.15 to +8.65mPD)	24	06-Jun-26	06-Jul-26	-335
MBRAF-4820	MBR - Remove S3, Close Openings, Waterproofing, Backfill	5	07-Jul-26	11-Jul-26	-335
MBRAF-4960	MBR - Construct Beam / Wall (+8.65 to +14.9mPD)	18	07-Jul-26	27-Jul-26	-283
MBRAF-4840	MBR - Remove S2, Close Openings, Waterproofing, Backfill	5	13-Jul-26	17-Jul-26	-335
MBRAF-4890	MBR - Remove S1, Close Openings, Waterproofing, Backfill	4	18-Jul-26	22-Jul-26	-286
MBRAF-5020	MBR - Wall and Roof Slab (+14.9 to +18.15mPD) - Zone 3	18	28-Jul-26	17-Aug-26	-283
MBR Water Tightness Test + ABWF Works (Below +8.60mPD)					
Zone 1					
MBRAF-4080	MBR - Remove formwork & falsework (basement to +8.65mPD)	14	07-Jul-26	20-Jul-26	-414
MBRAF-2800	MBR - Water tightness test (water height=11.5m,fill=6d,absoption=7d,test=7d,remove=1d)	21	21-Jul-26	10-Aug-26	-414
Zone 3					
MBRAF-5160	MBR - Remove formwork & falsework (basement to +8.65mPD)	14	07-Jul-26	20-Jul-26	-393
Zone 7					
MBRAF-5570	MBR - Remove formwork & falsework (basement to +8.65mPD)	14	14-Jul-26	27-Jul-26	-379
Zone 8					
MBRAF-5600	MBR - Remove formwork & falsework (basement to +8.65mPD)	14	26-Jul-26	08-Aug-26	-391
Tertriary Treatment System (TTS)					
TTS Structure					
TTS Substructure					
Substructure					
TTS-2320-3	TTS - Removal of East Steel Deck/ Platform (Zone SE)	15	25-Feb-26 A	16-May-26	-347
Zone SD					
TTS-2340	TTS - Zone SD Waterproofing and Backfill	5	30-Apr-26	06-May-26	-77
Zone SA					
TTS-2360	TTS - Zone SA Waterproofing and Backfill	5	30-Apr-26	06-May-26	-72
Zone SB					
TTS-2380	TTS - Zone SB Waterproofing and Backfill	6	30-Apr-26	07-May-26	805
Zone SC					
TTS-2400	TTS - Zone SC Waterproofing and Backfill	5	30-Apr-26	06-May-26	-72
Zone SE and SG					
TTS-2410-2.4	TTS - Zone SG Raft, Beam, Column & Slab (-0.05mPD)	10	25-Mar-26 A	13-Apr-26 A	
TTS-2410-1	TTS - Zone SG Slab, Wall & Column (+2.183mPD) (LG/F - LG5a)	10	22-Apr-26 A	20-May-26	-340
TTS-2410-3	TTS - Zone SG Raft, Slab, Beam & Column (+2.183mPD) (LG/F - LG8)	10	27-Apr-26 A	03-Jun-26	-327
TTS-2410-2.3	TTS - Zone SE Raft, Beam, Column & Slab (-0.05mPD)	10	18-May-26	29-May-26	-347
TTS-2430-2	TTS - Zone SE Slab, Beam & Column (+5.95mPD) (G/F - G5a)	10	21-May-26	02-Jun-26	-320
TTS-2410-13	TTS - Zone SG Slab, Wall & Column (+2.183mPD) (LG/F - LG5b)	10	30-May-26	10-Jun-26	-347
TTS-2430-3	TTS - Zone SE Slab, Beam & Column (+5.95mPD) (G/F - G8)	10	04-Jun-26	15-Jun-26	-327
TTS-2410-2	TTS - Zone SE Slab, Wall & Column (+2.183mPD) (LG/F - LG6)	10	11-Jun-26	23-Jun-26	-347
TTS-2440	TTS - Zone SE Waterproofing and Backfill	5	16-Jun-26	22-Jun-26	-110
TTS-2430-1	TTS - Zone SE Slab, Beam & Column (+5.95mPD) (G/F - G5b + G6)	10	24-Jun-26	06-Jul-26	-347
TTS Superstructure					
TTS-2570-1	TTS - Zone SC Structure (+5.95mPD to +9.40mPD) Slab, Beam & Column (1/F - 1-1)	10	28-Feb-26 A	02-Apr-26 A	
TTS-2490-1	TTS - Zone SD Structure (+11.75mPD to +15.4mPD) Column, Roof Slab (R3)	15	19-Mar-26 A	21-Apr-26 A	
TTS-2550-1	TTS - Zone SB Structure (+5.95mPD to +15.4mPD) Column, Roof Slab (R7)	15	19-Mar-26 A	11-May-26	-303
TTS-1370-2	TTS - Zone SD Structure (+5.95mPD to +12.85mPD) Slab, Beam & Column (1/F - 1-2(2))	10	02-Apr-26 A	30-Apr-26 A	
TTS-2570-2	TTS - Zone SC Structure (+5.95mPD to +9.40mPD) Slab, Beam & Column (1/F - 1-1(2))	10	10-Apr-26 A	12-May-26	-310
TTS-2500-2	TTS - Zone SA Structure (+12.85mPD to +15.4mPD) Column, Roof Slab (R4)	15	30-Apr-26	18-May-26	-308
TTS-2580-1	TTS - Zone SC Structure (+9.4mPD to +15.4mPD) Column, Roof Slab (R1)	15	13-May-26	30-May-26	-310
TTS-2510-2	TTS - Zone SE Structure (+5.95mPD to +15.4mPD) Column, Roof Slab (R8)	12	10-Jun-26	24-Jun-26	-326
TTS-2510-1	TTS - Zone SE Structure (+5.95mPD to +15.4mPD) Column, Roof Slab (R5)	18	07-Jul-26	27-Jul-26	-347
TTS-2520-1	TTS - Zone SE Structure (+5.95mPD to +15.4mPD) Column, Roof Slab (R6)	18	09-Jul-26	29-Jul-26	-347
TTS-2540-1	TTS - Zone SF Structure (+5.95mPD to +15.4mPD) Column, Roof Slab (R2)	18	11-Jul-26	31-Jul-26	-347
TTS Water Tightness Test					
TTS-1910	TTS - Removal Fwk + Water Tight. Test (Phase 1)(water height=1.85m,bulkhead=2d;fill=1d,absopt	21	31-May-26	20-Jun-26	-381
TTS-1920	TTS - Removal Fwk + Water Tight. Test (Phase 2)(water height=1.85m,bulkhead=2d;fill=1d,absopt	21	16-Jun-26	06-Jul-26	-388
TTS-1930	TTS - Removal Fwk + Water Tight. Test (Phase 3)(water height=11.5m,bulkhead=2d;fill=2d,absopt	21	07-Jul-26	27-Jul-26	-400
TTS-1940	TTS - Removal Fwk + Water Tight. Test (Phase 4)(water height=4.5m,bulkhead=2d;fill=2d,absoptic	21	16-Jul-26	05-Aug-26	-400
TTS ABWF Works					
TTS-1125	TTS - ABWF Works (Chemical Plant Rm/LVSB Rm/Tx Rm)	12	01-Jun-26	13-Jun-26	-231
TTS E&M Installation Works					
TTS-1135	TTS - E&M Handover (Chemical Plant Rm/LVSB Rm/Tx Rm)	0	15-Jun-26		-231
Electrical Works (TX/Disc Filter / UV Disinfection / Effluent Pumping System)					
TTS-1730	TTS - Electrical Works - Transformer 3A,3B,3C,3D,4A,4B	90	15-Jun-26	30-Sep-26	-231
TTS-1740	TTS - Electrical Works - Installation of LVSB@TTB to Equipment	90	22-Jul-26	06-Nov-26	-233
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	15-Jun-26	-2
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	30-Apr-26	-60
Z3S3-3990	STB - Nozzle x 3 Nos. (Working inside tanks)	21	17-Jan-26 A	30-Apr-26	-60
Z3S3-4000	STB - Leakage test - Combining Stoplogs / Penstocks	31	30-Apr-26	30-May-26	-78



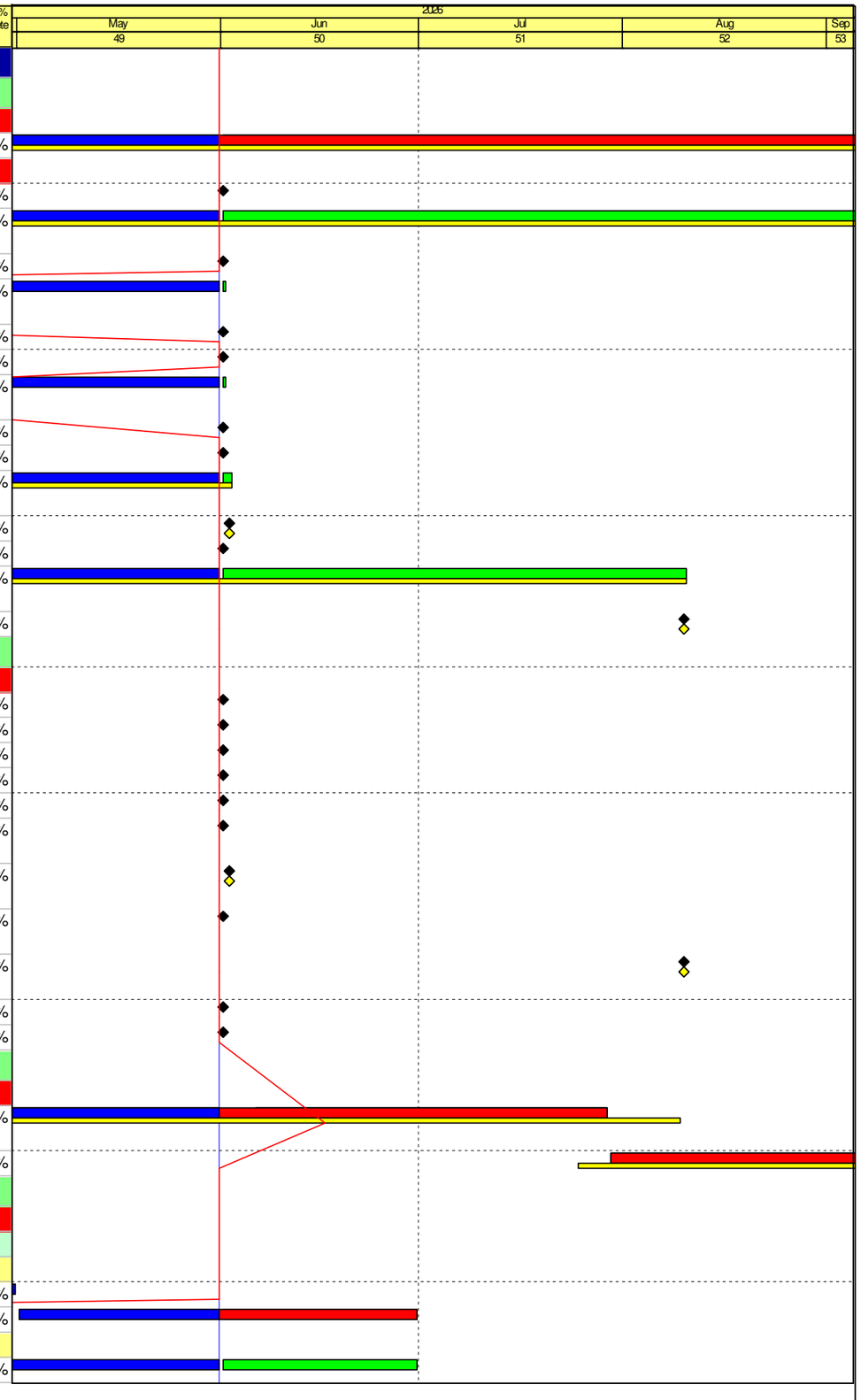
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
	Jet Mixing System of Thickening Sludge Holding Tank No.1				
Z3S3-4060	STB - Jet Mixer c/w pipes and valves and Fittings x 2 Nos.	21	17-Jan-26 A	30-Apr-26	-58
Z3S3-4070	STB - Nozzle x 2 Nos. (Working inside tanks)	21	17-Jan-26 A	30-Apr-26	-58
Z3S3-4080	STB - Leakage test - Combining Stoplogs / Penstocks	29	30-Apr-26	28-May-26	-76
	BS Installation (ELV, Ventilation, FS, PD)				
Z3S3-2860	STB - BS Installation (ELV, Ventilation, FS, PD) @ -1.5mPD	98	01-Sep-25 A	30-May-26	175
	STB E&M : Thickening Centrifuge Hall and Polymer Area @ +6.0mPD				
	Pipeworks Installation @ +6.0mPD				
Z3S3-4240	STB - Plant Service Water System (PSW) Installation	14	21-Jan-26 A	30-Apr-26	-51
Z3S3-4250	STB - DO Duct and dampers installation	14	21-Jan-26 A	30-Apr-26	-37
Z3S3-4260	STB - Ferric chloride dosing pipe installation	14	02-May-26	18-May-26	-51
	BS Installation (ELV, Ventilation, FS, PD)				
Z3S3-4270	STB - BS Installation (ELV, Ventilation, FS, PD) @ +6mPD	98	26-Jun-25 A	30-May-26	11
	STB E&M : Transformer Room @ +6.0mPD				
Z3S3-6390	STB - Termination Works	6	30-Apr-26	07-May-26	-5
Z3S3-6430	STB - Energization & SAT of Transformer	35	08-May-26	18-Jun-26	-5
	STB E&M : LV Switch Room and VFD Room @ +13.5mPD				
Z3S3-3720	STB - Energization & SAT of LVSB	11	08-Jun-26	18-Jun-26	-6
Z3S3-4350	STB - Termination Works (TX to LVSB)	6	12-Jun-26	18-Jun-26	-5
	STB E&M : DOU3 @+13.5mPD				
Z3S3-4280	STB - GRP Main Duct Installation	26	08-Dec-25 A	02-May-26	-60
Z3S3-4290	STB - Leakage Test	59	16-Feb-26 A	30-May-26	-63
Z3S3-4295	STB - Seeding for Bio-Trickling Filter of DOU3	58	04-May-26	30-Jun-26	-80
	STB E&M : Installation and Set-Up for SCADA System				
Z3S3-2815	STB - Installation of SCADA System (calibration,cabling,termination)	45	28-Feb-26 A	30-May-26	-61
Z3S3-4370	STB - Set-Up for SCADA System (sys.mapping,network config.,GUI,PQEMS,IDEMS,CMOS)	45	01-Jun-26	24-Jul-26	-34
	STB E&M : Electrical works (Cable wiring, termination)				
Z3S3-2850	STB - Electrical works (Cable containment, cabling, LCP, termination)	25	20-Jan-26 A	30-May-26	-61
	STB External Pipeworks				
Z3S7-2120	STB - Temporary routing of power source for STB LVSB energization *for KD4	21	01-Apr-26 A	29-Apr-26 A	
Z3S7-2100	STB - Temporary system and associated pipeworks for Location E to STB	21	27-Apr-26 A	23-May-26	16
	STB : Testing & Commissioning				
	Phase 1- STB Sub-System Physical Dry Check				
Z3S3-2910	STB - T&C - Mechanical / Electrical - General Installation Checking, Setting Out Checking, Physical	24	01-Jun-26	29-Jun-26	-64
Z3S3-4420	STB - T&C - Electrical - Megger Test	24	01-Jun-26	29-Jun-26	-64
Z3S3-4430	STB - T&C - SCADA- I/O Point Test	24	01-Jun-26	29-Jun-26	-64
	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	30-Jun-26	29-Jul-26	-78
Z3S3-4440	STB - T&C - Thickening Centrifuge Feed Pump c/w pipes and valves and fittings	30	30-Jun-26	29-Jul-26	-78
Z3S3-4450	STB - T&C - Digester Feed Pump c/w pipes and valves and fittings	30	30-Jun-26	29-Jul-26	-78
Z3S3-4460	STB - T&C - Polymer Preparation and Dosing System	30	30-Jun-26	29-Jul-26	-78
Z3S3-4470	STB - T&C - Sludge Thickening and Discharge System	30	30-Jun-26	29-Jul-26	-78
Z3S3-4480	STB - T&C - DOU - 03 System	30	01-Jul-26	30-Jul-26	-79
	Zone 3 Middle Portion (Z3M)				
	Sludge Digestor No. 4-6 (SD4-6)				
	SD4-6 : Foundation and ELS				
	SD4-6 : Sheetpiling				
Z3S8SD-2485	Sludge Digester No. 4-6 - Sheet Piles Install (Zone B, 1690m2@ -24.5mPD) - Common Wall	56	16-Dec-25 A	20-Jun-26	-209
Z3S8SD-2330	Sludge Digester No. 4-6 - Sheet Piles Install (Zone C1, preboring 70nos @0.46, 1no/d) - West Side	47	09-Jan-26 A	09-May-26	-222
Z3S8SD-2480	Sludge Digester No. 4-6 - Sheet Piles Install (Zone B, preboring 115 *0.46 = nos@1.3no/d) - Comn	47	13-Mar-26 A	05-Jun-26	-238
Z3S8SD-2335	Sludge Digester No. 4-6 - Sheet Piles Install (Zone C2, Auger 69nos @0.46, 3nos/d) - West Side	43	30-May-26	21-Jul-26	-238
Z3S8SD-2360	Sludge Digester No. 4-6 - Kingpost by preboring (6nos. 325m @ 3d/pile)	18	06-Jun-26	27-Jun-26	-198
Z3S8SD-2250	Sludge Digester No. 4-6 - Monitoring and pumping installation	18	06-Jul-26	25-Jul-26	-238
Z3S8SD-2350	Sludge Digester No. 4-6 - Pumping test	14	27-Jul-26	11-Aug-26	-238
	Biogas Holder No. 2-4 (BH2-4)				
	Biogas Holder No. 2-3 (BH2-3)				
	BH2 - E&M Installation				
ATALZ3BH-2535	BH No. 2 - Tank base plate installation and welding	21	12-Mar-26 A	31-Mar-26 A	
ATALZ3BH-2545	BH No. 2 - Jack installation and top ring installation	22	02-Apr-26 A	02-May-26	-67
ATALZ3BH-2555	BH No. 2 - Roof, crown ring and roof handrail construction	41	04-May-26	22-Jun-26	-68
ATALZ3BH-2565	BH No. 2 - Tank wall (2nd to 3rd Ring) and tank mounting ring construction and welding	32	23-Jun-26	30-Jul-26	-72
	BH2 : Remaining E&M Installations				
ATALZ3BH-2050	BH No.2 - Installation of Biogas Booster Pump No.2 and Transfer Pump	90	22-Jun-26	07-Oct-26	230
	H2S Removal System (H2S) - Stage 1 (3 nos)				
	H2S : Civil and Structural Works				
Z3S7-2090	H2S1 Removal System - Temporary system and associated pipeworks for switchover to new SD18	60	16-Jul-26	23-Sep-26	52
	H2S : E&M Installation				
H2S-149	H2S1 Removal System - E&M Handover	0	07-Jul-26		-168
H2S-180	H2S1 Removal System - E&M Installation iron sponge unit c/w associated instrumentation	32	07-Jul-26	12-Aug-26	-168
H2S-190	H2S1 Removal System - E&M Installation regeneration blower and water supply system	24	07-Jul-26	03-Aug-26	-88
	Utility Corridor and Pipe Portal (UC/PP)				
	Utility Corridor No. 3 (UC3)				
	UC3 : Foundation and ELS				
Z3S2-2150	UC3 - Sheetpile Installation (450m2 @60m2/d)	21	22-Jul-26	14-Aug-26	14
	Utility Corridor No. 4 (UC4)				
	UC4 : Foundation and ELS				
Z3S2-2070	UC4 - ELS, Excavation (+6.0 to +4.3mPD, with SD4-6)	3	27-Jul-26	29-Jul-26	-221
	Zone 3 South Portion (Z3S)				



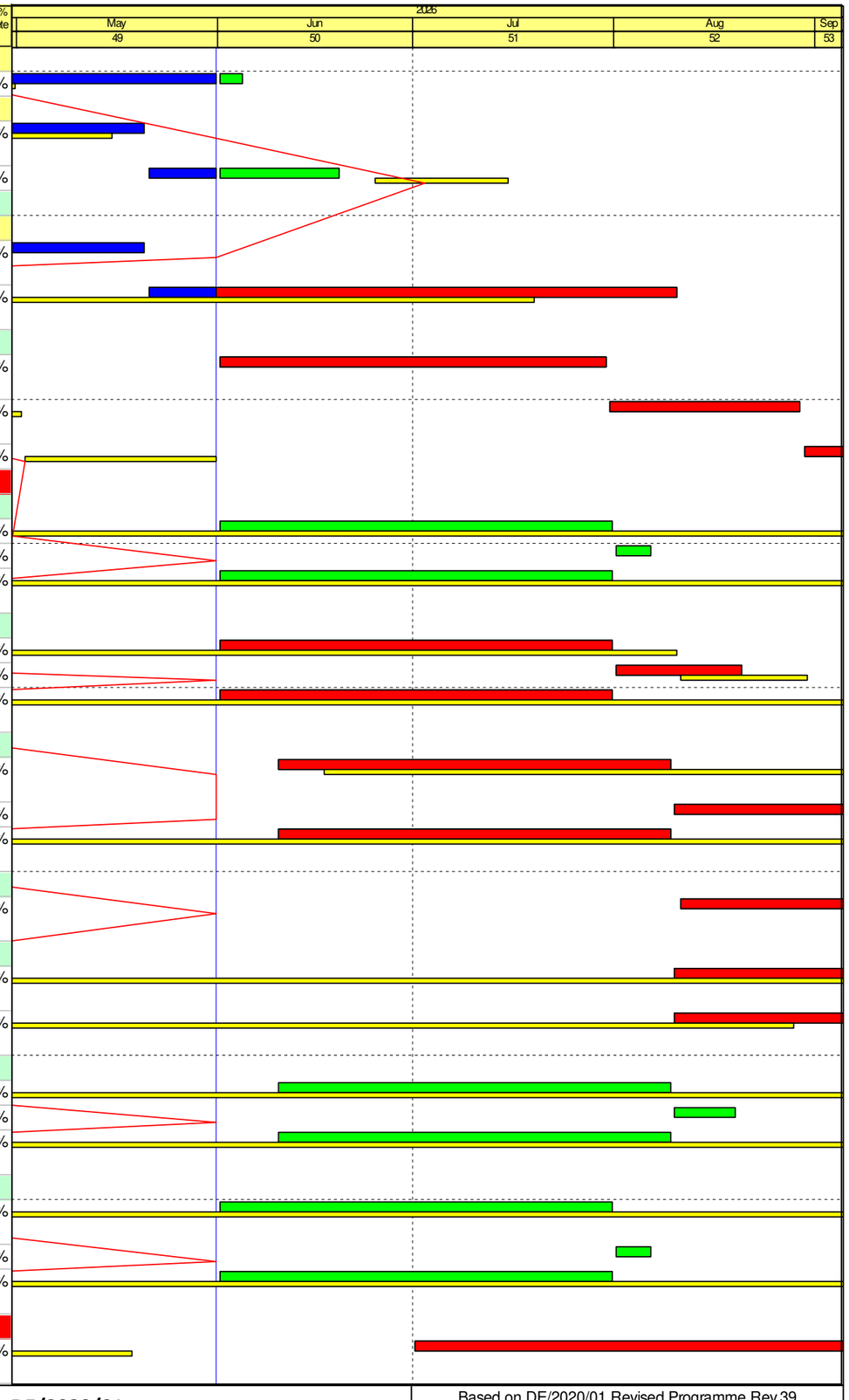
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float
Sludge Digestor No. 1-3 (SD1-3)					
SD1-3 : Civil and Structural Works					
SD1-3 : Water Tightness Test					
Z3S3-5655	Sludge Digester No. 1 - Seal Openings + Strike formwork and falsework	2	03-Mar-26 A	05-Mar-26 A	
Z3S3-5600	Sludge Digester No. 1 - Water tightness test (SD1 :water height=21.6m,fil water=7d,absorption=7d	24	06-Mar-26 A	27-May-26	-187
Z3S3-5660	Sludge Digester No. 2 - Seal Openings + Strike formwork and falsework	2	16-Mar-26 A	18-Mar-26 A	
Z3S3-5610	Sludge Digester No. 2 - Water tightness test (SD2 :water height=21.6m,fil water=7d,absorption=7d	24	18-Mar-26 A	29-May-26	-183
Z3S3-5665	Sludge Digester No. 3 - Seal Openings + Strike formwork and falsework	2	26-Mar-26 A	28-Mar-26 A	
Z3S3-5620	Sludge Digester No. 3 - Water tightness test (SD3 :water height=21.6m,fil water=7d,absorption=7d	24	29-Mar-26 A	30-May-26	-184
SD1-3 : ABWF Works					
Z3S3-5630	Sludge Digester No. 1 - Lining at SD1(surface prep=4d,install=8d,testing=2d,clearance=2d)	16	28-May-26	15-Jun-26	-187
Z3S3-5640	Sludge Digester No. 2 - Lining at SD2(surface prep=4d,install=8d,testing=2d,clearance=2d)	16	16-Jun-26	06-Jul-26	-168
Z3S3-5650	Sludge Digester No. 3 - Lining at SD3(surface prep=4d,install=8d,testing=2d,clearance=2d)	16	07-Jul-26	24-Jul-26	-146
SD1-3 : Backfill					
Z3S3-5330	Sludge Digester No. 1-3 - Waterproofing(incl. PP1), remove formwork, backfill and remove S4 and	14	23-Jul-26	07-Aug-26	-187
SD1-3 : E&M Installation					
SD1 : E&M Installation					
Z3S3-2690	SDT No.1 - Roof (Sludge Infeed Pipe, Biogas Pipe, Inspection Window, Gas Take-Off Dome, Teles	18	26-May-26	15-Jun-26	-233
Z3S3-2670	SDT No.1 - Internal Pipework and Drain Pipe Installation	30	16-Jun-26	22-Jul-26	-114
Z3S3-2750	SDT No.1 - Instrumentation	30	16-Jun-26	22-Jul-26	-114
Z3S3-2760	SDT No.1 - Electrical Works (Cable wiring, Termination, Lightning Arrestor System)	30	16-Jun-26	22-Jul-26	-114
Z3S3-3420	SDT No.1 - Installation and Set-Up for SCADA System	30	16-Jun-26	22-Jul-26	-113
Z3S3-2665	SDT No.1 - E&M 2nd Handover	0	16-Jun-26		-113
SD2 : E&M Installation					
Z3S3-6560	SDT No.2 - External Draft Tube and Heat Exchanger Installation - Upper	17	07-Mar-26 A	18-Mar-26 A	
Z3S3-6580	SDT No.2 - Roof (Sludge Infeed Pipe, Biogas Pipe, Inspection Window, Gas Take-Off Dome, Teles	18	16-Jun-26	08-Jul-26	-231
Z3S3-6590	SDT No.2 - E&M 2nd Handover	0	07-Jul-26		-168
Z3S3-6570	SDT No.2 - Internal Pipework and Drain Pipe Installation	30	08-Jul-26	11-Aug-26	-133
Z3S3-6600	SDT No.2 - Instrumentation	30	08-Jul-26	11-Aug-26	-133
Z3S3-6610	SDT No.2 - Electrical Works (Cable wiring, Termination, Lightning Arrestor System)	30	08-Jul-26	11-Aug-26	-133
Z3S3-6620	SDT No.2 - Installation and Set-Up for SCADA System	30	08-Jul-26	11-Aug-26	-130
SD3 : E&M Installation					
Z3S3-4590	SDT No.3 - External Draft Tube - Lower	6	06-Mar-26 A	20-Mar-26 A	
Z3S3-4595	SDT No.3 - External Draft Tube and Heat Exchanger Installation - Upper	21	21-Mar-26 A	28-Mar-26 A	
Z3S3-4600	SDT No.3 - Roof (Sludge Infeed Pipe, Biogas Pipe, Inspection Window, Gas Take-Off Dome, Teles	18	09-Jul-26	29-Jul-26	-233
Z3S3-5555	SDT No.3 - E&M 2nd Handover	0	25-Jul-26		-183
Z3S3-4580	SDT No.3 - Internal Pipework and Drain Pipe Installation	30	27-Jul-26	29-Aug-26	-149
Z3S3-4610	SDT No.3 - Instrumentation	30	27-Jul-26	29-Aug-26	-149
Z3S3-4620	SDT No.3 - Electrical Works (Cable wiring, Termination, Lightning Arrestor System)	30	27-Jul-26	29-Aug-26	-149
Z3S3-4640	SDT No.3 - Installation and Set-Up for SCADA System	30	27-Jul-26	29-Aug-26	-146
SD1-2 : External Pipeworks for Early Commissioning					
SD1-2 : T&C Phase 1 Pre-requisites					
Z3S3-4670	SDT No.1-2 - T&C - Pre-requisites - Diversion of Power Supply from Existing Switch room	30	08-Jul-26	11-Aug-26	-130
Z3S3-4710	SDT No.1-2 - T&C - Pre-requisites - Diversion of Signal Cable to New SCADA System in Temp Adn	30	27-Jul-26	29-Aug-26	-146
SD1-2 : T&C Phase 2 & 3 Pre-requisites					
Z3S3-4720	SDT No.1-2 - T&C - Pre-requisites - Temporary water sources (41m3/hr for digester filling)	30	02-Jun-26	08-Jul-26	-55
Biogas Holder No. 1 (BH1)					
BH1 : Diversion Works					
Z3S7-2110	BH No. 1 - Temporary system and associated pipeworks to H2S *for KD4	60	16-Jul-26	23-Sep-26	52
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)	5	16-Jun-26	22-Jun-26	-187
Z3S5UC1-2210	UC/PP - Plate Load Test (UC&PP-PLTP4)	5	23-Jun-26	27-Jun-26	-187
Z3S5-2010	PP 1 - Structure (-6.25 to -4.85mPD, Base Slab)	10	29-Jun-26	10-Jul-26	-187
Z3S5-2020	PP 1 - Structure (-4.85 to -3.2mPD)	10	11-Jul-26	22-Jul-26	-187



Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	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)	202	14-Jun-22	19-Dec-26	14-Jun-22 A	19-Dec-26	0	87.76%
Access Date								
CD-AD1010	Early Access Date for Portion 1	0	01-Feb-26		01-Jun-26		529	0%
CD-AD1020	Late Access to Portion 1 - Sludge Thickening Building (1578 calendar days from starting date)	129	13-Jun-22	07-Oct-26	13-Jun-22 A	07-Oct-26	400	91.83%
CD-AD1090	Early Access Date for Portion 3	0	01-Feb-26		01-Jun-26		529	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-Jun-26	528	99.92%
CD-AD1110	Late Access Date for Portion 3	0	01-Feb-26		01-Jun-26		529	0%
CD-AD1130	Early Access Date for Portion 4	0	01-Feb-26		01-Jun-26		529	0%
CD-AD1140	Late Access to Portion 4 - Administration Building (Within 1370 calendar days from starting date)	1	13-Jun-22	13-Mar-26	13-Jun-22 A	01-Jun-26	528	99.93%
CD-AD1150	Late Access Date for Portion 4	0	13-Mar-26		01-Jun-26		529	0%
CD-AD1170	Early Access Date for Portion 5	0	17-Feb-26		01-Jun-26		529	0%
CD-AD1180	Late Access to Portion 5 - Mainstream Bio-Reactor Building (Within 1451 calendar days from starting date)	2	13-Jun-22	02-Jun-26	13-Jun-22 A	02-Jun-26	527	99.86%
CD-AD1190	Late Access Date for Portion 5	0	02-Jun-26		02-Jun-26		528	0%
CD-AD1210	Early Access Date for Portion 6	0	17-Mar-26		01-Jun-26		529	0%
CD-AD1220	Late Access to Portion 6 - Primary Sedimentation Tanks (Within 1520 calendar days from starting date)	71	13-Jun-22	10-Aug-26	13-Jun-22 A	10-Aug-26	458	95.33%
CD-AD1230	Late Access Date for Portion 6	0	10-Aug-26		10-Aug-26		459	0%
Planned Date								
Planned Access Date								
PD-AD1000	Planned Early Access Date for Portion 1 - Sludge Thickening Building	0	01-Feb-26		01-Jun-26		131	0%
PD-AD1040	Planned Early Access Date for Portion 3 - Sludge Dewatering Building	0	01-Feb-26		01-Jun-26		-206	0%
PD-AD1050	Planned Late Access Date for Portion 3 - Sludge Dewatering Building	0	01-Feb-26		01-Jun-26		-206	0%
PD-AD1060	Planned Early Access Date for Portion 4 - Administration Building	0	01-Feb-26		01-Jun-26		-84	0%
PD-AD1070	Planned Late Access Date for Portion 4 - Administration Building	0	13-Mar-26		01-Jun-26		-84	0%
PD-AD1080	Planned Early Access Date for Portion 5 - Mainstream Bio-Reactor Building	0	17-Feb-26		01-Jun-26		1	0%
PD-AD1090	Planned Late Access Date for Portion 5 - Mainstream Bio-Reactor Building	0	02-Jun-26		02-Jun-26		0	0%
PD-AD1100	Planned Early Access Date for Portion 6 - Primary Sedimentation Tanks	0	17-Mar-26		01-Jun-26		89	0%
PD-AD1110	Planned Late Access Date for Portion 6 - Primary Sedimentation Tanks	0	10-Aug-26		10-Aug-26		19	0%
PD-AD1120	Planned Early Access Date for CLPSS / 11kV Switchroom	0	01-Feb-26		01-Jun-26		80	0%
PD-AD1130	Planned Late Access Date for CLPSS / 11kV Switchroom	0	01-Feb-26		01-Jun-26		80	0%
Preliminaries								
BEAM Plus								
P-1190	Application to BEAM Society & provide Provisional Assessment (PA) report	54	01-May-25	09-Aug-26	15-Apr-25 A	29-Jul-26	-277	88.41%
P-1200	Review & comment on PA report from BEAM society	270	25-Jul-26	24-Jul-27	30-Jul-26	25-Apr-27	-277	0%
Section 1 - Comprises design, supply, delivery, installation, T&C of PV System of YLEPP								
Technical Submission & Approval								
DDA Submission								
PV System (DDA001A)								
S1-DDA-1020	Re-submission of DDA Design of PV system	0	01-Jul-25	01-Mar-26	10-May-25 A	30-Apr-26 A		100%
S1-DDA-1030	Review & Approval of DDA Design of PV system	30	01-Sep-25	10-Oct-25	01-May-26 A	30-Jun-26	-171	50.82%
PV System for canopy area (DDA001B)								
S1-DDA-1070	Review & Approval of DDA Design of PV system (Canopy Type)	30	10-Feb-26	21-Mar-26	28-Apr-26 A	30-Jun-26	41	53.13%



Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete
Ramp and Shelter for PV System (DDA001C)								
S1-DDA-1110	Review & Approval of DDA Design of Ramp and Shelter for PV System	4	21-Feb-26	30-Apr-26	11-Apr-26 A	04-Jun-26	74	92.73%
Access Arrangement for Roof Floor (DDA001D)								
S1-DDA-1120	Prepare & Submission of DDA Design of Access Arrangement for Roof Floor	0	01-Dec-25	15-May-26	01-Nov-25 A	20-May-26 A		100%
S1-DDA-1150	Review & Approval of Access Arrangement for Roof Floor	19	25-Jun-26	15-Jul-26	21-May-26 A	19-Jun-26	59	36.67%
Plant & Material Submission								
Smart Sun Tracking and Automatic Collapse and Expand Solar PV System (EL002)								
S1-PMS-1140	Re-submission of Smart Sun Tracking & Automatic Collapse & Expand Solar PV System	0	11-Oct-25	22-Nov-25	10-Sep-25 A	20-May-26 A		100%
S1-PMS-1150	Review & Approval of Smart Sun Tracking & Automatic Collapse & Expand Solar PV System	71	11-Nov-25	19-Jul-26	21-May-26 A	10-Aug-26	-149	13.41%
SAT / T&C Procedure								
S1-SAT-1000	Prepare & Submission of SAT / T&C Procedure (with Test Form) of PV System	60	01-Feb-26	01-Apr-26	01-Jun-26	30-Jul-26	-23	0%
S1-SAT-1010	Review & Comment on SAT / T&C Procedure (with Test Form) of PV System	30	02-Apr-26	01-May-26	31-Jul-26	29-Aug-26	-23	0%
S1-SAT-1020	Re-submission of SAT / T&C Procedure (with Test Form) of PV System	30	02-May-26	31-May-26	30-Aug-26	28-Sep-26	-23	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	30-Apr-26	30-Oct-26	01-Jun-26*	31-Jul-26	84	0%
S1-STB-MD-1010	Pre-fabrication Test for Solar PV system - STB	6	31-Oct-26	05-Nov-26	01-Aug-26	06-Aug-26	84	0%
S1-STB-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - STB	61	17-Apr-26	14-Oct-26	01-Jun-26*	31-Jul-26	70	0%
Portion 2 - Inlet Works								
S1-IW-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel - IW	61	10-Feb-26	10-Aug-26	01-Jun-26*	31-Jul-26	-3	0%
S1-IW-MD-1010	Pre-fabrication Test for Solar PV system - IW	20	11-Aug-26	30-Aug-26	01-Aug-26	20-Aug-26	-3	0%
S1-IW-MD-1020	Manufacture with FAT (months) & Delivery(1 month) of Support Framework - IW	61	10-Mar-26	07-Sep-26	01-Jun-26*	31-Jul-26	-112	0%
Portion 3 - Sludge Dewatering Building - Sludge Dewatering & Drying System								
S1-SDB-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel - SDB	61	17-Jun-26	15-Dec-26	10-Jun-26*	09-Aug-26	-29	0%
S1-SDB-MD-1010	Pre-fabrication Test for Solar PV system - SDB	30	16-Dec-26	14-Jan-27	10-Aug-26	08-Sep-26	-29	0%
S1-SDB-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - SDB	61	10-Mar-26	06-Sep-26	10-Jun-26*	09-Aug-26	-121	0%
Portion 4 - Administration Building								
S1-ADB-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of Smart Sun Tracking - Admin Building	182	30-Nov-26	30-May-27	11-Aug-26	08-Feb-27	-149	0%
Portion 5 - Mainstream Bio-Reactor Building								
S1-MBR-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel - MBR	61	12-Mar-26	09-Sep-26	10-Aug-26*	09-Oct-26	-130	0%
S1-MBR-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - Admin Building	61	01-Mar-26	28-Aug-26	10-Aug-26*	09-Oct-26	-130	0%
Portion 6 - Primary Sedimentation Tanks								
S1-PST-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel - PST	61	16-Apr-26	14-Oct-26	10-Jun-26*	09-Aug-26	19	0%
S1-PST-MD-1010	Pre-fabrication Test for Solar PV system - PST	10	15-Oct-26	24-Oct-26	10-Aug-26	19-Aug-26	53	0%
S1-PST-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - PST	61	13-Mar-26	09-Sep-26	10-Jun-26*	09-Aug-26	19	0%
CLP Substation								
S1-CLP-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel of PV Panel - CLP	61	02-Apr-26	30-Sep-26	01-Jun-26*	31-Jul-26	19	0%
S1-CLP-MD-1010	Pre-fabrication Test for Solar PV system - CLP	6	01-Oct-26	06-Oct-26	01-Aug-26	06-Aug-26	77	0%
S1-CLP-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - CLP	61	10-Mar-26	06-Sep-26	01-Jun-26*	31-Jul-26	19	0%
Interfacing Works								
S1-IFW-1010	Design Submission with interface works for LV switchboard interfacing arrangement for Renewable Energy	90	18-Feb-26	18-May-26	01-Jul-26	28-Sep-26	-171	0%



Remaining Work
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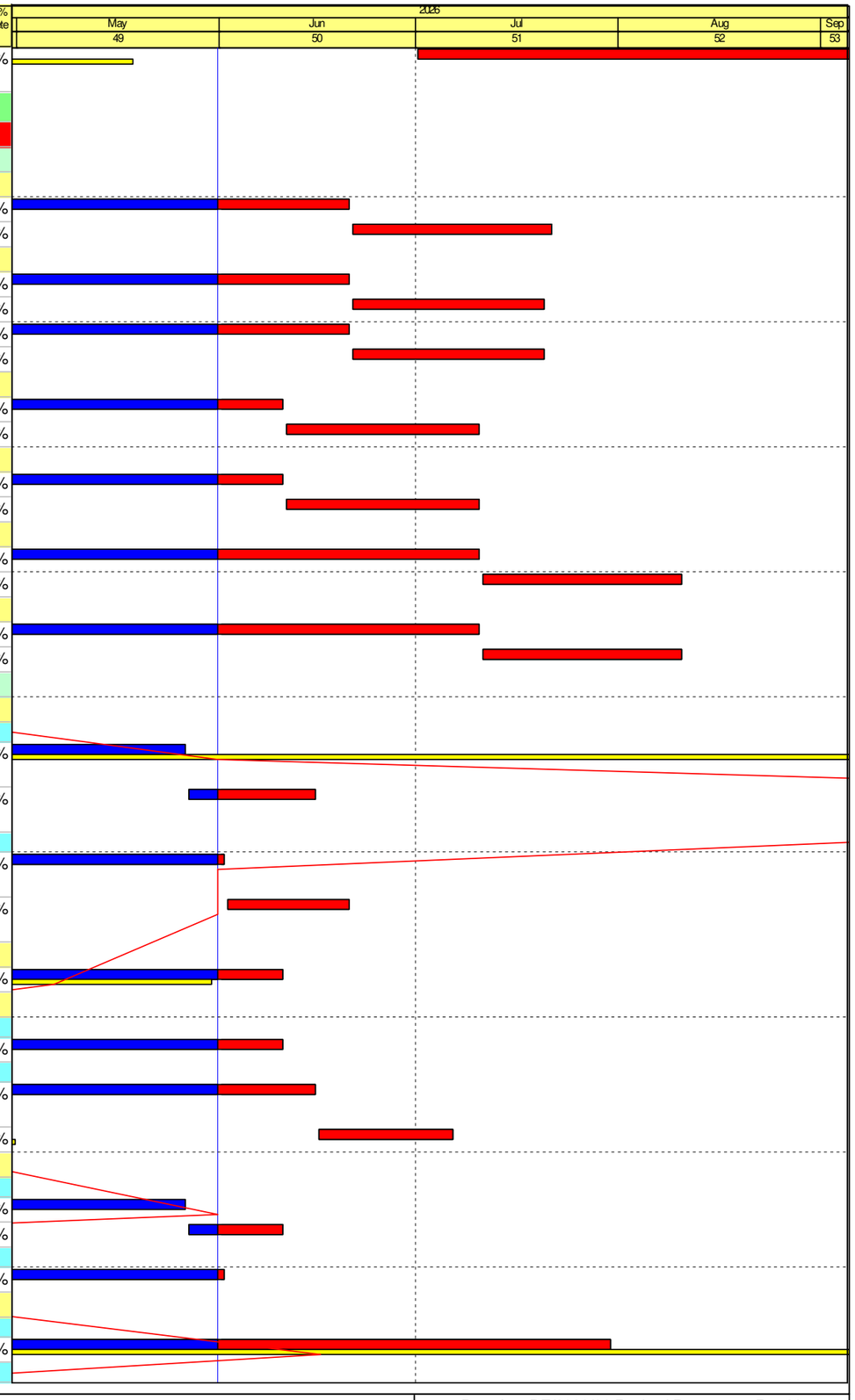
RP Rev.39 MS
Actual Milestone

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.39) as at 31 May 2026

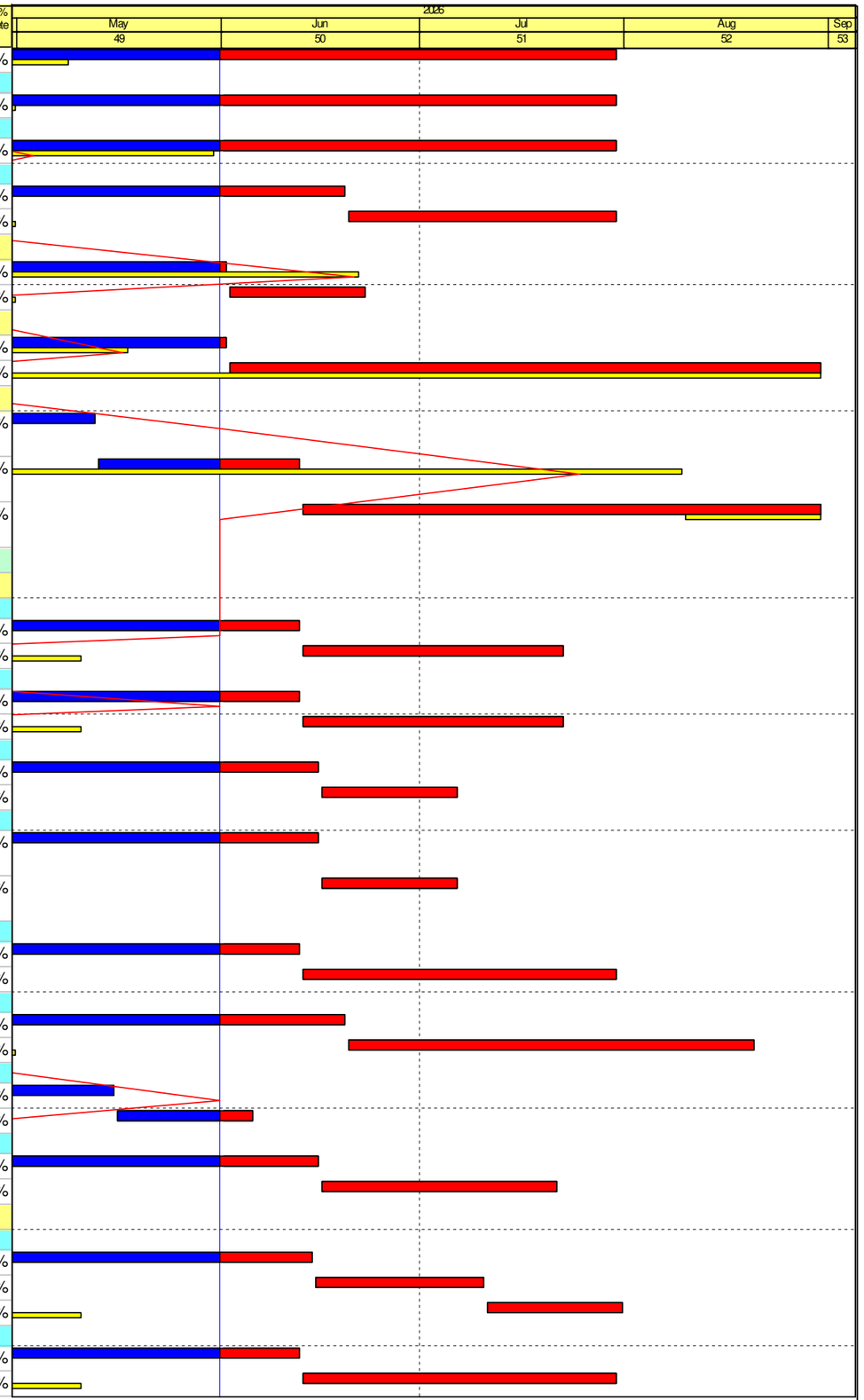
Based on DE/2020/01 Revised Programme Rev.39

Date	Revision	Checked	Approved
28-Feb-26	Rev.43	IM	JM
31-Mar-26	Rev.44	IM	JM
30-Apr-26	Rev.45	IM	JM
31-May-26	Rev.46	IM	JM

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete
S1-IFW-1040	Cleansing point for PV panel cleansing at roof floor (STB, IW, PST, MBR, SDB & CLP)	90	18-Feb-26	18-May-26	01-Jul-26	28-Sep-26	-171	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	28-Feb-26	23-Nov-23 A	20-Jun-26	-233	97.87%
S2-ADB-SUB-1010	Engagement of FS System subcontractor	31	21-Feb-26	23-Mar-26	21-Jun-26	21-Jul-26	-233	0%
MVAC System								
S2-ADB-SUB-1020	Tendering of MV System subcontracting	20	01-Jun-24	28-Feb-26	24-May-24 A	20-Jun-26	-294	97.36%
S2-ADB-SUB-1030	Engagement of MV System subcontracting	30	21-Feb-26	23-Mar-26	21-Jun-26	20-Jul-26	-294	0%
S2-ADB-SUB-1200	Tendering of AC System subcontracting	20	01-Jun-24	09-Dec-24	13-Aug-25 A	20-Jun-26	-297	93.59%
S2-ADB-SUB-1210	Engagement of AC System subcontracting	30	21-Feb-26	23-Mar-26	21-Jun-26	20-Jul-26	-297	0%
Electrical System								
S2-ADB-SUB-1080	Tendering of Electrical System (BS)	10	04-Jul-24	31-Mar-26	04-Jun-24 A	10-Jun-26	-222	98.64%
S2-ADB-SUB-1090	Engagement of Electrical System (BS)	30	02-Mar-26	01-Apr-26	11-Jun-26	10-Jul-26	-222	0%
P&D System								
S2-ADB-SUB-1120	Tendering of P&D System	10	01-Oct-24	09-Apr-26	01-Sep-24 A	10-Jun-26	-93	98.46%
S2-ADB-SUB-1130	Engagement of P&D System	30	11-Mar-26	10-Apr-26	11-Jun-26	10-Jul-26	-93	0%
CCTV, ACS and Security System								
S2-ADB-SUB-1140	Tendering of CCTV, ACS & Security system	40	01-Oct-24	12-Mar-26	01-Sep-24 A	10-Jul-26	-176	94.1%
S2-ADB-SUB-1150	Engagement of CCTV, ACS & Security system	31	11-Feb-26	10-Mar-26	11-Jul-26	10-Aug-26	-176	0%
Radio Communication, Telephone & PA System								
S2-ADB-SUB-1160	Tendering of Radio Communication, Telephone & PA System	40	01-Oct-24	12-Mar-26	01-Sep-24 A	10-Jul-26	-168	94.1%
S2-ADB-SUB-1170	Engagement of Radio Communication, Telephone & PA System	31	11-Feb-26	10-Mar-26	11-Jul-26	10-Aug-26	-168	0%
DDA Submission								
Plant Layout and Civil Requirements Drawings for Administration Building (DDA037)								
Loading and Ground Level (DDA037a)								
S2-ADB-CR-1100	Prepare & Submission of civil requirement & general arrangement drawing of ADB (Loading and Ground Level)	0	07-Mar-26	09-Jan-27	11-Apr-26 A	26-May-26 A		100%
S2-ADB-CR-1110	Approval of civil requirement & general arrangement drawing of ADB (Loading and Ground Level)	15	10-Jan-27	30-Jan-27	27-May-26 A	15-Jun-26	-99	40%
First and Roof Level (DDA037b)								
S2-ADB-CR-1120	Prepare & Submission of civil requirement & general arrangement drawing of ADB (First and Roof Level)	1			11-Apr-26 A	01-Jun-26	-104	98.08%
S2-ADB-CR-1130	Approval of civil requirement & general arrangement drawing of ADB (First and Roof Level)	19			02-Jun-26	20-Jun-26	-104	0%
Fire Services System (DDA018)								
S2-ADB-DDA-1030	Approval of DDA Design of FS System	10	01-Dec-25	30-May-26	28-Mar-26 A	10-Jun-26	-172	86.67%
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	10	21-Sep-25	20-Feb-26	29-Nov-25 A	10-Jun-26	-163	94.85%
AC system (AC system in SDB and with Effluent Cooling System in ADB) (DDA019b)								
S2-ADB-DDA-1580	Re-submission of DDA Design of AC System (with effluent cooling system)	15	21-Feb-26	09-Apr-26	20-Mar-26 A	15-Jun-26	-189	73.68%
S2-ADB-DDA-1590	Approval of DDA Design of AC System (with effluent cooling system)	21	10-Apr-26	30-Apr-26	16-Jun-26	06-Jul-26	-189	0%
Electrical System								
Electrical System - LV Power Distribution System (DDA021B)								
S2-ADB-DDA-1340	Re-submission of DDA Design of LV Power Distribution System	0			10-Mar-26 A	26-May-26 A		100%
S2-ADB-DDA-1350	Approval of DDA Design of LV Power Distribution System	10	14-Feb-26	06-Mar-26	27-May-26 A	10-Jun-26	-171	66.67%
Electrical System - Control Wiring Diagram for LV Switchboard (DDA021C)								
S2-ADB-DDA-1390	Approval of DDA Design of Control Wiring Diagram for LV Switchboard	1	01-Mar-26	21-Mar-26	15-Apr-26 A	01-Jun-26	-162	97.92%
Building Services Electrical System								
Building Services Electrical System - Lighting System of SDB & ADB (DDA024A)								
S2-ADB-DDA-1190	Approval of DDA Design of Lighting system	60	21-Dec-25	22-Sep-26	13-Feb-26 A	30-Jul-26	-127	64.29%
Building Services Electrical System - Small Power System of SDB & ADB (DDA024B)								



Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete
S2-ADB-DDA-1470	Approval of DDA Design of Small Power System	60	06-Dec-25	08-May-26	31-Mar-26 A	30-Jul-26	-127	50.82%
Building Services Electrical System - Cable Containment (DDA024C)								
S2-ADB-DDA-1510	Approval of DDA Design of Cable Containment	60	07-Feb-26	30-Apr-26	07-Feb-26 A	30-Jul-26	-127	65.52%
Building Services Electrical System - Lighting Control System (DDA024D)								
S2-ADB-DDA-1550	Approval of DDA Design of Lighting Control System	60	21-Mar-26	30-May-26	26-Feb-26 A	30-Jul-26	-127	61.29%
Building Services Electrical System - Master Electrical Installation Details (DDA024E)								
S2-ADB-DDA-1620	Re-submission of DDA Design of Master Electrical Installation Details	19	14-Feb-26	09-Apr-26	14-Feb-26 A	19-Jun-26	-144	84.92%
S2-ADB-DDA-1630	Approval of DDA Design of Master Electrical Installation Details	41	10-Apr-26	30-Apr-26	20-Jun-26	30-Jul-26	-144	0%
P&D System (DDA025)								
S2-ADB-DDA-1220	Re-submission of DDA Design of P&D System	1	23-Mar-26	21-Jun-26	09-Jan-26 A	01-Jun-26	-145	99.24%
S2-ADB-DDA-1230	Approval of DDA Design of P&D System	21	10-Apr-26	30-Apr-26	02-Jun-26	22-Jun-26	-145	0%
CCTV, ACS & Security system (DDA026)								
S2-ADB-DDA-1260	Re-submission of DDA Design of CCTV, ACS & Security system	1	11-Dec-25	17-May-26	22-Oct-25 A	01-Jun-26	-208	99.55%
S2-ADB-DDA-1270	Approval of DDA Design of CCTV, ACS & Security system	90	29-Mar-26	30-Aug-26	02-Jun-26	30-Aug-26	-208	0%
Radio Communication System, Telephone System & PA System (DDA027)								
S2-ADB-DDA-1290	Review & comment on DDA Design of Radio Communication, Telephone & PA System	0	29-Mar-26	18-Apr-26	24-Apr-26 A	12-May-26 A		100%
S2-ADB-DDA-1300	Re-submission of DDA Design of Radio Communication, Telephone & PA System	12	19-Apr-26	09-Aug-26	13-May-26 A	12-Jun-26	-200	86.21%
S2-ADB-DDA-1310	Approval of DDA Design of Radio Communication, Telephone & PA System	79	10-Aug-26	30-Aug-26	13-Jun-26	30-Aug-26	-200	0%
Plant & Material Submission								
MVAC System								
Dehumidifier (BS001) (Combined in ME020)								
S2-ADB-PMS-1004	Re-submission of Dehumidifier	12			18-Apr-26 A	12-Jun-26	-73	78.57%
S2-ADB-PMS-1010	Review & Approval of Dehumidifier	40	26-Feb-26	10-May-26	13-Jun-26	22-Jul-26	-73	0%
Prefilter and After filter (BS002) (Combined in ME020)								
S2-ADB-PMS-1324	Re-submission of Prefilter and After Filter	12			18-Apr-26 A	12-Jun-26	-73	78.57%
S2-ADB-PMS-1330	Review & Approval of Prefilter and After Filter	40	26-Feb-26	10-May-26	13-Jun-26	22-Jul-26	-73	0%
Axial/Propeller/Centrifugal/ Jet Fan (BS003)								
S2-ADB-PMS-1380	Re-submission of Axial/Propeller/Centrifugal/ Jet Fan	15	05-Jan-26	08-Mar-26	16-Dec-25 A	15-Jun-26	-270	91.76%
S2-ADB-PMS-1390	Review & Approval of Axial/Propeller/Centrifugal/ Jet Fan	21	17-Feb-26	24-Apr-26	16-Jun-26	06-Jul-26	-270	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	15	20-Feb-26	19-Apr-26	10-Jan-26 A	15-Jun-26	-270	90.45%
S2-ADB-PMS-1430	Review & Approval of Volume Control/Fire Damper, Louver, Griller and Air Ductwork	21	10-Mar-26	20-Apr-26	16-Jun-26	06-Jul-26	-270	0%
Acoustic Silencer (BS005)								
S2-ADB-PMS-1460	Re-submission of Acoustic Silencer	12	11-Feb-26	17-Mar-26	07-Jan-26 A	12-Jun-26	-307	92.36%
S2-ADB-PMS-1470	Review & Approval of Acoustic Silencer	48	11-Feb-26	20-Apr-26	13-Jun-26	30-Jul-26	-307	0%
Absorption Chiller (BS006)								
S2-ADB-PMS-1500	Re-submission of Absorption Chiller	19	12-Feb-26	09-Apr-26	04-Feb-26 A	19-Jun-26	-287	85.93%
S2-ADB-PMS-1510	Review & Approval of Absorption Chiller	62	10-Apr-26	30-Apr-26	20-Jun-26	20-Aug-26	-287	0%
Outdoor and Indoor Unit (BS007)								
S2-ADB-PMS-1520	Prepare & Submission of Outdoor and indoor Unit	0	01-Nov-25	11-Feb-26	25-Oct-25 A	15-May-26 A		100%
S2-ADB-PMS-1550	Review & Approval of Outdoor and indoor Unit	5	31-Mar-26	20-Apr-26	16-May-26 A	05-Jun-26	-252	86.11%
Air Ductwork and Accessories for MVAC System (BS027)								
S2-ADB-PMS-3320	Re-submission of Air Ductwork and Accessories for MVAC System	15	07-Jan-26	10-Feb-26	07-Jan-26 A	15-Jun-26	-298	87.5%
S2-ADB-PMS-3330	Review & Approval of Air Ductwork and Accessories for MVAC System	36	11-Feb-26	20-Apr-26	16-Jun-26	21-Jul-26	-298	0%
P&D System								
FRP Water Tank (BS008)								
S2-ADB-PMS-2870	Review & comment on FRP Water Tank	14	26-Feb-26	18-Mar-26	24-Apr-26 A	14-Jun-26	-184	33.33%
S2-ADB-PMS-2880	Re-submission of FRP Water Tank	26	19-Mar-26	19-Apr-26	15-Jun-26	10-Jul-26	-184	0%
S2-ADB-PMS-2890	Review & Approval of FRP Water Tank	21	20-Apr-26	10-May-26	11-Jul-26	31-Jul-26	-184	0%
Plumbling system Pump Set (BS009A)								
S2-ADB-PMS-2920	Re-submission of Plumbling system Pump Set	12	21-Jan-26	22-Apr-26	29-Nov-25 A	12-Jun-26	-183	93.88%
S2-ADB-PMS-2930	Review & Approval of Plumbling system Pump Set	48	01-Mar-26	10-May-26	13-Jun-26	30-Jul-26	-183	0%



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Based on DE/2020/01 Revised Programme Rev.39

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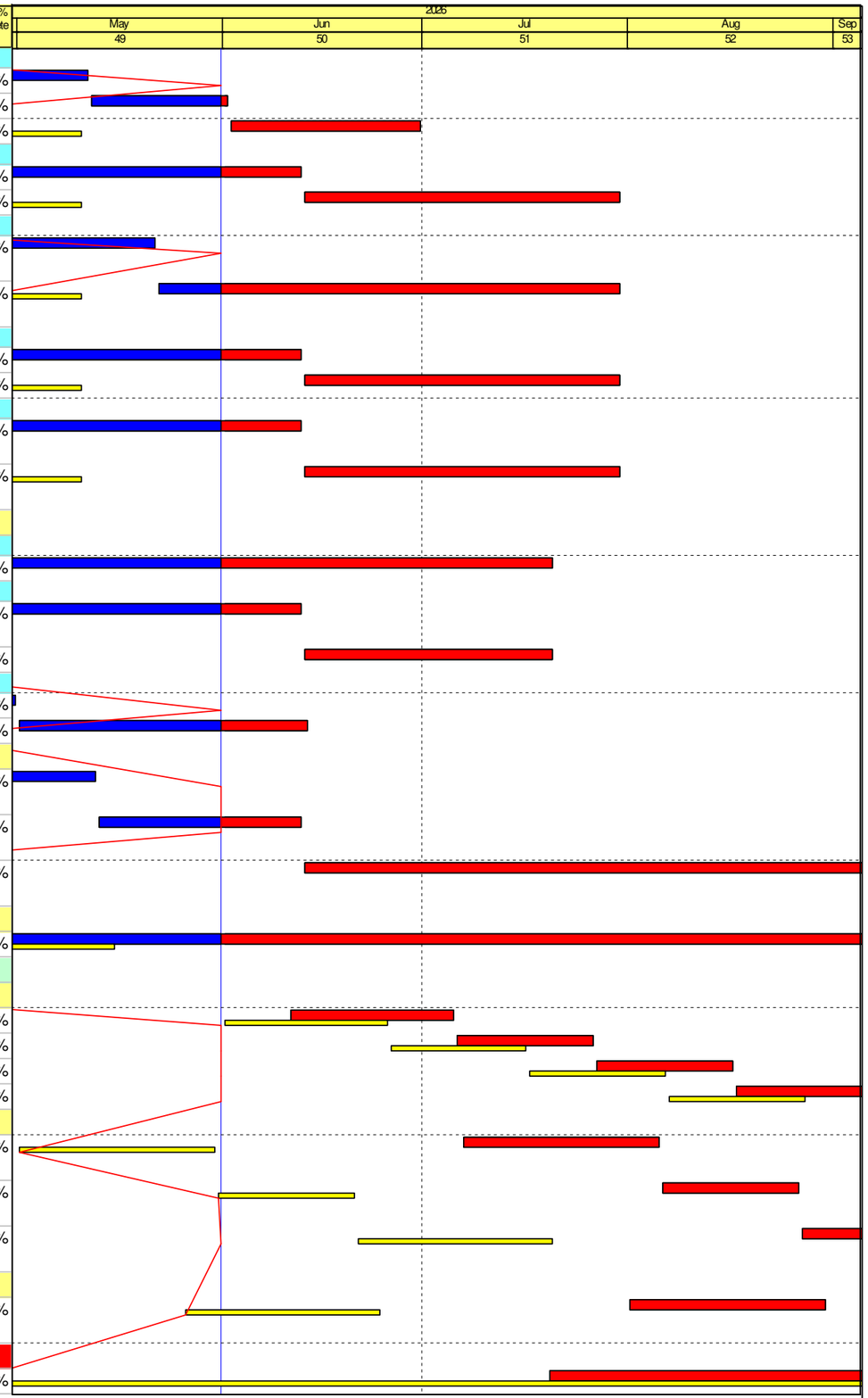
Plumbling system Pump Set (EL-Panel) (BS009B)								
S2-ADB-PMS-3190	Review & comment on Plumbling system Pump Set (EL-panel)	0	26-Feb-26	18-Mar-26	23-Apr-26 A	11-May-26 A		100%
S2-ADB-PMS-3200	Re-submission of Plumbling system Pump Set (EL-panel)	1	19-Mar-26	19-Apr-26	12-May-26 A	01-Jun-26	-153	95.24%
S2-ADB-PMS-3210	Review & Approval of Plumbling system Pump Set (EL-panel)	29	20-Apr-26	10-May-26	02-Jun-26	30-Jun-26	-153	0%
Plumbing System (Pressure Vessel) (BS011)								
S2-ADB-PMS-3000	Re-submission of Pneumatic Tank / Pressure Vessel	12	16-Feb-26	23-Mar-26	06-Jan-26 A	12-Jun-26	-183	92.41%
S2-ADB-PMS-3010	Review & Approval of Pneumatic Tank / Pressure Vessel	48	11-Feb-26	10-May-26	13-Jun-26	30-Jul-26	-183	0%
Pipes and Fittings for Plumbing System (BS013A)								
S2-ADB-PMS-3060	Prepare & Submission of Pipes and Fittings for Plumbing and Drainage System	0	01-Jan-26	11-Mar-26	18-Dec-25 A	21-May-26 A		100%
S2-ADB-PMS-3090	Review & Approval of Pipes and Fittings for Plumbing and Drainage System	60	20-Apr-26	10-May-26	22-May-26 A	30-Jul-26	-183	14.29%
Valves for Plumbing System (BS013C)								
S2-ADB-PMS-3380	Prepare & Submission of Valves for Plumbing and Drainage System	12	01-Jan-26	11-Mar-26	18-Dec-25 A	12-Jun-26	-183	93.22%
S2-ADB-PMS-3410	Review & Approval of Valves for Plumbing and Drainage System	48	20-Apr-26	10-May-26	13-Jun-26	30-Jul-26	-183	0%
Drainage system Pump Set (Submersible Sewage pump) (BS015)								
S2-ADB-PMS-3160	Re-submission of Drainage system Pump Set (Submersible Sewage pump)	12	13-Jan-26	31-Mar-26	13-Dec-25 A	12-Jun-26	-205	93.41%
S2-ADB-PMS-3170	Review & Approval of Drainage system Pump Set (Submersible Sewage pump)	48	01-Mar-26	10-May-26	13-Jun-26	30-Jul-26	-205	0%
FS System								
Fire Service Pump Set (Fixed Sprinkler, Fire and Jockey Pumps) (BS016A)								
S2-ADB-PMS-1110	Review & Approval of FS System - Fire Service Pump Set	50	21-Feb-26	20-Apr-26	28-Feb-26 A	20-Jul-26	-257	65.03%
Fire Service Pump Set (EL-Panel) (BS016B)								
S2-ADB-PMS-3220	Prepare & Submission of FS System - Fire Service Pump Set (EL Panel)	12	01-May-25	04-Aug-25	01-Nov-25 A	12-Jun-26	-249	92.77%
S2-ADB-PMS-3250	Review & Approval of FS System - Fire Service Pump Set (EL Panel)	38	31-Mar-26	20-Apr-26	13-Jun-26	20-Jul-26	-249	0%
Pipes, Fittings, Valves for Fire Service Installation (BS017)								
S2-ADB-PMS-3260	Prepare & Submission of Pipe, fittings, valves for FS Installation	0	01-May-25	04-Aug-25	01-Nov-25 A	30-Apr-26 A		100%
S2-ADB-PMS-3290	Review & Approval of Pipe, fittings, valves for FS Installation	13	31-Mar-26	20-Apr-26	01-May-26 A	13-Jun-26	-220	83.95%
Radio Communication, Telephone System and Public Address System (BS024)								
S2-ADB-PMS-1210	Review & comment on Radio Communication, Telephone System and Public Address System	0			28-Apr-26 A	12-May-26 A		100%
S2-ADB-PMS-1220	Re-submission of Radio Communication, Telephone System and Public Address System	12			13-May-26 A	12-Jun-26	-113	90.32%
S2-ADB-PMS-1230	Review & Approval of Radio Communication, Telephone System and Public Address System	120	11-Mar-26	10-Apr-26	13-Jun-26	10-Oct-26	-113	0%
CCTV , ACS & Security System (BS025)								
S2-ADB-PMS-1310	Review & Approval of CCTV, ACS & Security System	132	26-Nov-25	15-May-26	28-Apr-26 A	10-Oct-26	-178	20.48%
Method Statement								
Fire Services System								
S2-ADB-MS-1000	Prepare & Submission of method statement of installation of FS system	25	01-Jun-26	25-Jun-26	11-Jun-26	05-Jul-26	-172	0%
S2-ADB-MS-1010	Review & comment on method statement of installation of FS system	21	26-Jun-26	16-Jul-26	06-Jul-26	26-Jul-26	-172	0%
S2-ADB-MS-1020	Re-submission of method statement of installation of FS system	21	17-Jul-26	06-Aug-26	27-Jul-26	16-Aug-26	-172	0%
S2-ADB-MS-1030	Approval of method statement of installation of FS system	21	07-Aug-26	27-Aug-26	17-Aug-26	06-Sep-26	-172	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	01-May-26	30-May-26	07-Jul-26	05-Aug-26	-189	0%
S2-ADB-MS-1050	Review & comment on method statement of installation of MVAC System (with effluent cooling system)	21	31-May-26	20-Jun-26	06-Aug-26	26-Aug-26	-189	0%
S2-ADB-MS-1060	Re-submission of method statement of installation of MVAC System (with effluent cooling system)	30	21-Jun-26	20-Jul-26	27-Aug-26	25-Sep-26	-189	0%
P&D System								
S2-ADB-MS-1200	Prepare & Submission of method statement of installation of P&D System	30	26-May-26	24-Jun-26	01-Aug-26	30-Aug-26	-184	0%
Manufacture, FAT & Delivery of Major Equipment								
S2-ADB-MD-1000	Manufacture with FAT (4 months) & Delivery(1 month) of FS Pumps	154	21-Apr-26	19-Oct-26	20-Jul-26	20-Dec-26	-257	0%



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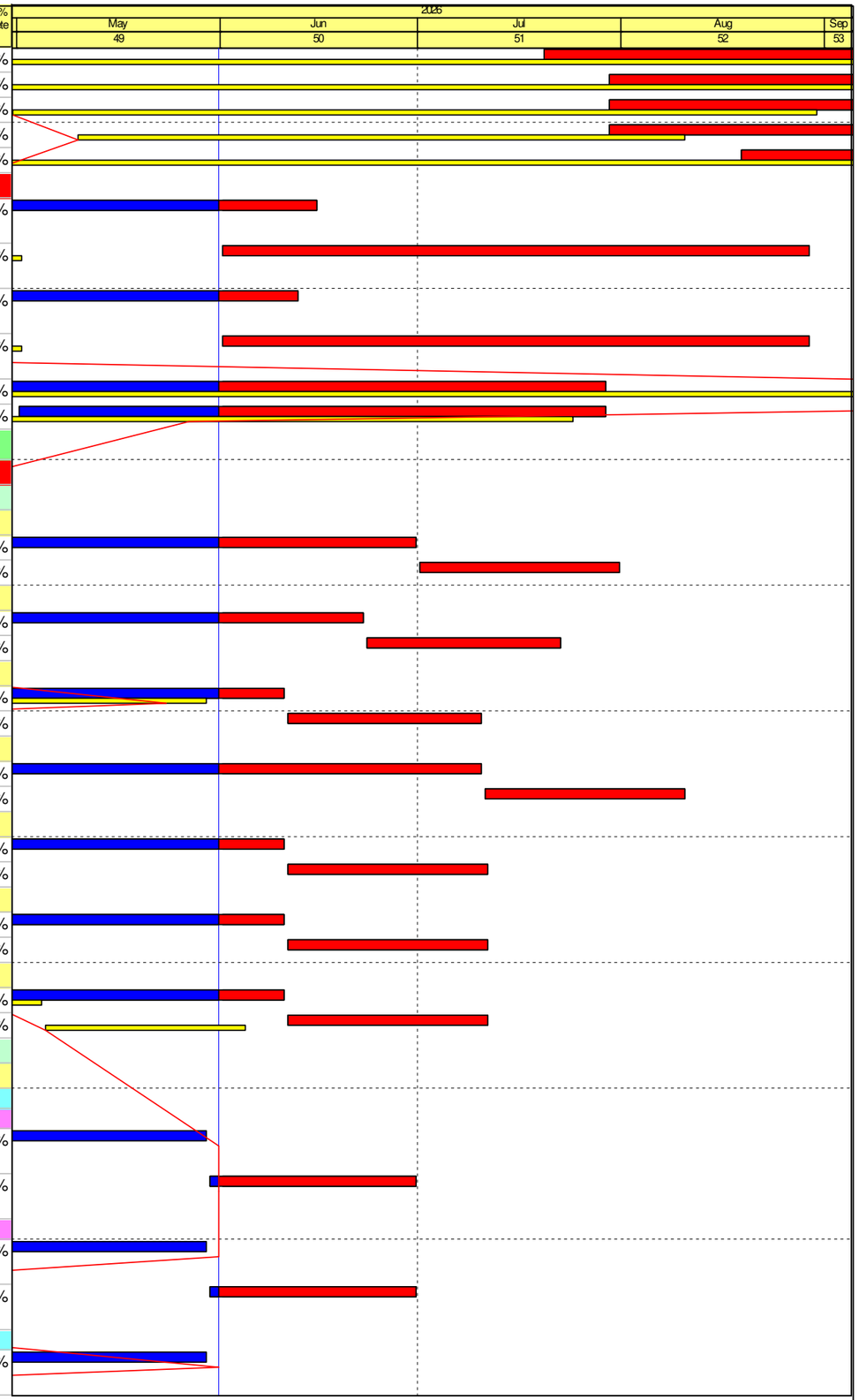
S2-ADB-MD-1010	Manufacture with FAT (4 months) & Delivery(1 month) of AFA Panel	154	20-Apr-26	18-Oct-26	20-Jul-26	20-Dec-26	-249	0%
S2-ADB-MD-1050	Manufacture with FAT(4 months) & Delivery(1 month) of MV System	214	24-Apr-26	24-Nov-26	30-Jul-26	28-Feb-27	-294	0%
S2-ADB-MD-1060	Manufacture with FAT(3 months) & Delivery(1 month) of AC System	123	30-Apr-26	30-Aug-26	30-Jul-26	29-Nov-26	-307	0%
S2-ADB-MD-1070	Manufacture with FAT (2 months) & Delivery(1 month) of P&D Pumps	93	10-May-26	10-Aug-26	30-Jul-26	30-Oct-26	-205	0%
S2-ADB-MD-1090	Manufacture of LVSB	92	29-Apr-26	29-Sep-26	19-Aug-26*	18-Nov-26	-285	0%
Interfacing Works								
S2-ADB-IFW-1000	Interface Works with Other Contract (including: Slab / Wall openings, Concrete Plinths, Cast-in Item, etc)	15	15-Dec-22	14-Oct-24	01-Apr-25 A	15-Jun-26	-99	96.6%
S2-ADB-IFW-1020	Design Submission with Interface Works on Provision in LV Switchroom in ADB	90	01-Feb-26	01-May-26	01-Jun-26	29-Aug-26	-251	0%
S2-ADB-IFW-1030	Design Submission with Interface Works on Elffuent Supply for Effluent Cooling System	12	01-May-25	18-Apr-26	19-Apr-25 A	12-Jun-26	-63	97.14%
S2-ADB-IFW-1040	Design Submission with Interface Works on Street Fire Hydrant Water Main & Pumping System	90	01-Feb-26	01-May-26	01-Jun-26	29-Aug-26	-160	0%
S2-ADB-IFW-1050	Design Submission with Interface Works on Plumbing & Drainage	59	01-Dec-25	10-Mar-27	15-Feb-25 A	29-Jul-26	-182	88.87%
S2-ADB-IFW-1060	Design Submission with Interface Works on BEAM Plus	59	26-Apr-26	24-Jul-26	01-May-26 A	29-Jul-26	-277	34.44%
Section 3 - Design, supply, delivery, installation, T&C of Sludge Dewatering and Drying System								
Technical Submission & Approval								
Subletting								
Sludge Dewatering System								
S3-SDB-SUB-1120	Tendering of Instrument Air System	30	01-Oct-25	29-Mar-26	30-Sep-25 A	30-Jun-26	-82	89.05%
S3-SDB-SUB-1130	Engagement of Instrument Air System	31	29-Mar-26	28-Apr-26	01-Jul-26	31-Jul-26	-82	0%
Air Purifying System with Disinfection								
S3-SDB-SUB-1340	Tendering of Air Purification System	22	01-Feb-26	01-Apr-26	10-Jan-26 A	22-Jun-26	-240	86.59%
S3-SDB-SUB-1350	Engagement of Air Purification System	30	11-Mar-26	10-Apr-26	23-Jun-26	22-Jul-26	-240	0%
Gas Detection System								
S3-SDB-SUB-1400	Tendering of Gas Detection System	10	04-Dec-25	29-May-26	18-Aug-25 A	10-Jun-26	-36	96.63%
S3-SDB-SUB-1410	Engagement of Gas Detection System	30	11-Feb-26	10-Mar-26	11-Jun-26	10-Jul-26	-36	0%
Vehicle Access Control System								
S3-SDB-SUB-1420	Tendering of Vehicle Access Control System	40	01-Jan-26	01-Mar-26	13-Dec-25 A	10-Jul-26	-159	80.95%
S3-SDB-SUB-1430	Engagement of Vehicle Access Control System	31	11-Feb-26	10-Mar-26	11-Jul-26	10-Aug-26	-159	0%
CMMS and IDMS								
S3-SDB-SUB-1440	Tendering of CMMS and IDMS	10	01-Oct-25	29-Jan-26	25-Sep-25 A	10-Jun-26	-279	96.14%
S3-SDB-SUB-1450	Engagement of CMMS and IDMS	31	01-Mar-26	31-Mar-26	11-Jun-26	11-Jul-26	-279	0%
Power Quality and Energy Management System (PQEMS)								
S3-SDB-SUB-1460	Tendering of PQEMS	10	01-Aug-25	21-Mar-26	31-Jul-25 A	10-Jun-26	-279	96.83%
S3-SDB-SUB-1470	Engagement of PQEMS	31	21-Mar-26	20-Apr-26	11-Jun-26	11-Jul-26	-279	0%
Control, Monitoring and Operation System (CMO)								
S3-SDB-SUB-1500	Tendering of CMO	10	06-Mar-26	04-May-26	24-Mar-26 A	10-Jun-26	-31	87.34%
S3-SDB-SUB-1510	Engagement of CMO	31	05-May-26	04-Jun-26	11-Jun-26	11-Jul-26	-31	0%
DDA Submission								
Civil Requirement								
Sludge Dewatering Building (DDA036)								
Ground and Frist Level (DDA036b)								
S3-SDB-CR-2100	Re-submission of civil requirement & general arrangement drawing of SDB (Ground & First level)	0			13-Dec-25 A	29-May-26 A		100%
S3-SDB-CR-2110	Approval of civil requirement & general arrangement drawing of SDB (Ground & First level)	30			30-May-26 A	30-Jun-26	-236	6.25%
Roof Level (DDA036c)								
S3-SDB-CR-2140	Re-submission of civil requirement & general arrangement drawing of SDB (Roof Level)	0	17-Feb-26	12-Apr-26	20-Dec-25 A	29-May-26 A		100%
S3-SDB-CR-2150	Approval of civil requirement & general arrangement drawing of SDB (Roof Level)	30	13-Feb-26	30-Mar-26	30-May-26 A	30-Jun-26	-236	6.25%
Site Wide Cable Duct System (DDA038)								
S3-SDB-CR-2060	Re-submission of civil requirement & general arrangement drawing of Site Wide Cable Duct System	0	05-Oct-25	04-Jan-26	30-Aug-25 A	29-May-26 A		100%



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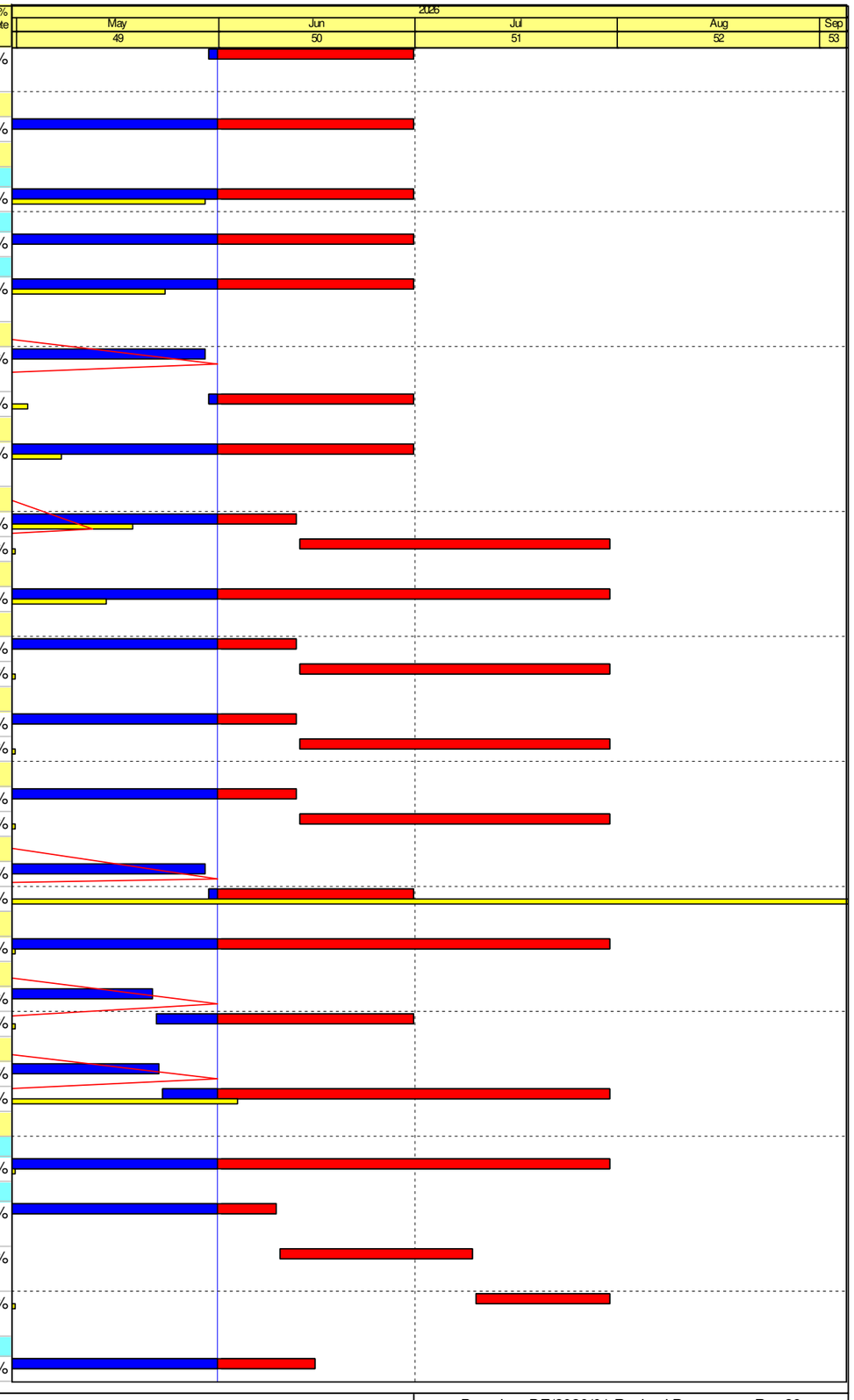
S3-SDB-CR-2070	Approval of civil requirement & general arrangement drawing of Site Wide Cable Duct System	30	01-Dec-25	05-Feb-26	30-May-26 A	30-Jun-26	-191	6.25%
Sludge Mixing System (DDA003)								
S3-SDB-DDA-1030	Approval of DDA Design of Sludge Mixing System	30	26-Jun-25	27-Jan-26	24-Mar-26 A	30-Jun-26	-196	69.7%
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	30	27-Jul-25	29-May-26	24-Mar-26 A	30-Jun-26	-194	69.7%
Sludge Drying System (Dryer's Conveyor and Condensation System) (DDA004B)								
S3-SDB-DDA-2470	Approval of DDA Design of Sludge Drying System	30	01-Apr-25	01-Dec-25	29-Aug-25 A	30-Jun-26	-194	90.2%
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	30	01-Sep-25	23-May-26	26-Mar-26 A	30-Jun-26	-194	69.07%
Sludge Conveying and Discharge System (DDA005)								
S3-SDB-DDA-1140	Re-submission of DDA Design of Sludge Conveying & Discharge System	0	17-Oct-25	25-Dec-25	16-Sep-25 A	29-May-26 A		100%
S3-SDB-DDA-1150	Approval of DDA Design of Sludge Conveying & Discharge System	30	01-Dec-25	02-May-26	30-May-26 A	30-Jun-26	-170	6.25%
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	30	07-Jun-25	07-May-26	31-May-25 A	30-Jun-26	-248	92.42%
Centrate/Filtrate Collection System (DDA007)								
S3-SDB-DDA-1220	Re-submission of DDA Design of Centrate/Filtrate Collection System	12	02-Mar-26	18-May-26	13-Dec-25 A	12-Jun-26	-220	92.21%
S3-SDB-DDA-1230	Approval of DDA Design of Centrate/Filtrate Collection System	48	01-Mar-26	30-Apr-26	13-Jun-26	30-Jul-26	-220	0%
Steam Boiler System (DDA008)								
S3-SDB-DDA-1270	Approval of DDA Design of Steam Boiler System	60	06-Jan-26	14-May-26	01-Apr-26 A	30-Jul-26	-232	50.41%
Sludge Heating System (DDA009)								
S3-SDB-DDA-1300	Re-submission of DDA Design of Sludge Heating System	12	21-Feb-26	09-Apr-26	10-Mar-26 A	12-Jun-26	-263	87.37%
S3-SDB-DDA-1310	Approval of DDA Design of Sludge Heating System	48	10-Apr-26	30-Apr-26	13-Jun-26	30-Jul-26	-263	0%
CHP System (DDA012)								
S3-SDB-DDA-1420	Re-submission of DDA Design of CHP Generating System	12	21-Feb-26	09-Apr-26	06-Mar-26 A	12-Jun-26	-220	87.88%
S3-SDB-DDA-1430	Approval of DDA Design of CHP Generating System	48	10-Apr-26	30-Apr-26	13-Jun-26	30-Jul-26	-220	0%
Exhaust Gas Treatment System (DDA013)								
S3-SDB-DDA-1460	Re-submission of DDA Design of Exhaust Gas Treatment System	12	19-Feb-26	09-Apr-26	04-Mar-26 A	12-Jun-26	-212	83.56%
S3-SDB-DDA-1470	Approval of DDA Design of Exhaust Gas Treatment System	48	10-Apr-26	30-Apr-26	13-Jun-26	30-Jul-26	-212	0%
Deodorisation Unit/System (DDA015)								
S3-SDB-DDA-1540	Re-submission of DDA Design of Deodorisation Unit/System	0	06-Oct-24	20-Sep-25	12-Sep-24 A	29-May-26 A		100%
S3-SDB-DDA-1550	Approval of DDA Design of Deodorisation Unit/System	30	28-Sep-25	28-Sep-26	30-May-26 A	30-Jun-26	-256	6.25%
Air Purifier System with Disinfection (DDA016)								
S3-SDB-DDA-1590	Approval of DDA Design of Air Purifier System with Disinfection	60	01-Mar-26	30-Apr-26	01-Apr-26 A	30-Jul-26	-156	50.41%
Lifting Appliance (DDA017)								
S3-SDB-DDA-1620	Re-submission of DDA Design of Lifting Appliance	0	07-Feb-26	05-Apr-26	17-Jan-26 A	21-May-26 A		100%
S3-SDB-DDA-1630	Approval of DDA Design of Lifting Appliance	30	16-Mar-26	30-Apr-26	22-May-26 A	30-Jun-26	-222	25%
Emergency Generator Set (DDA023)								
S3-SDB-DDA-1660	Re-submission of DDA Design of Emergency Generator System	0	16-Nov-25	23-Jan-26	08-Oct-25 A	22-May-26 A		100%
S3-SDB-DDA-1670	Approval of DDA Design of Emergency Generator System	60	27-Feb-26	03-Jun-26	23-May-26 A	30-Jul-26	-308	13.04%
PLC and SCADA System, and Network Integration (DDA035)								
System Architecture Drawing and I/O Schedule (DDA035a)								
S3-SDB-DDA-1750	Approval of System Architecture Drawing and I/O Schedule	60	01-Mar-26	30-Apr-26	31-Mar-26 A	30-Jul-26	-189	50.82%
SCADA Panels GA, Schematic Drawings and Equipment Layout Plan (DDA035b)								
S3-SDB-DDA-2890	Review & comment on SCADA Panels GA, Schematic Drawings and Equipment Layout Plan	9	01-Mar-26	21-Mar-26	25-Apr-26 A	09-Jun-26	-311	80.43%
S3-SDB-DDA-2900	Re-submission of SCADA Panels GA, Schematic Drawings and Equipment Layout Plan	30	22-Mar-26	09-Apr-26	10-Jun-26	09-Jul-26	-311	0%
S3-SDB-DDA-2910	Approval of SCADA Panels GA, Schematic Drawings and Equipment Layout Plan	21	10-Apr-26	30-Apr-26	10-Jul-26	30-Jul-26	-311	0%
HMI Grapichs Design (DDA035c)								
S3-SDB-DDA-2930	Review & comment on HMI Grapichs Design	15	21-Mar-26	10-Apr-26	24-Apr-26 A	15-Jun-26	-312	71.7%



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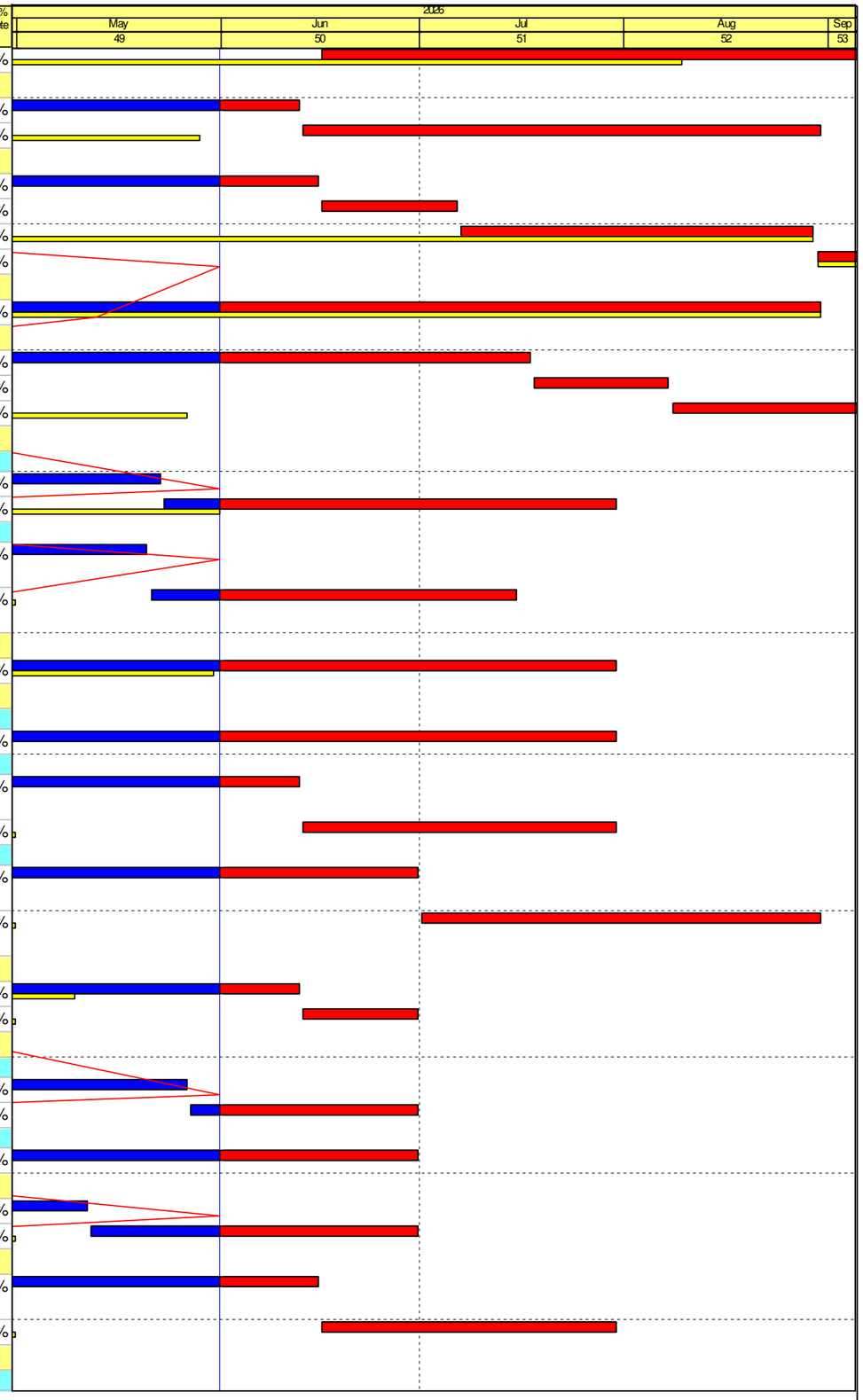
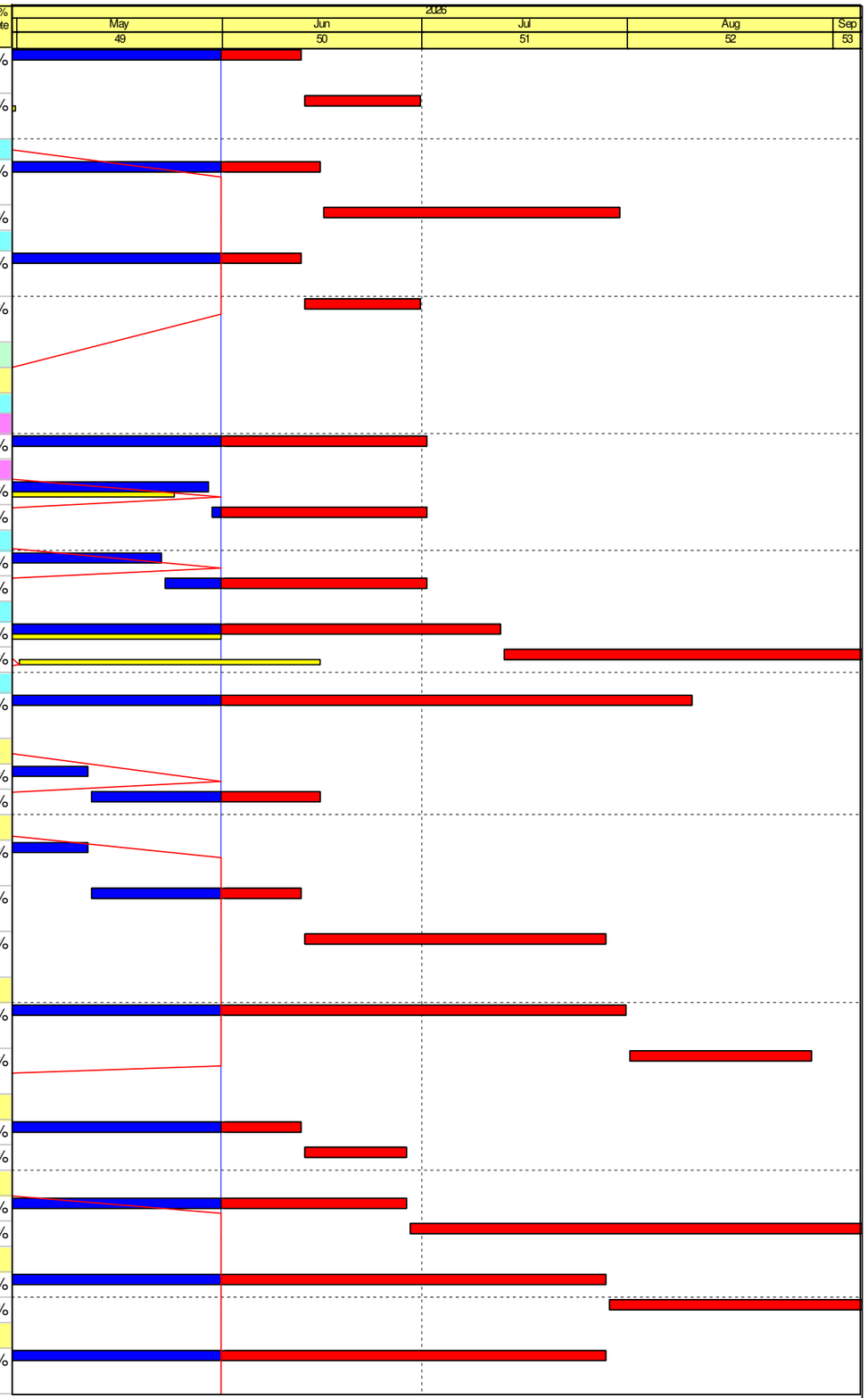
S3-SDB-DDA-2940	Re-submission of HMI Grapichs Design	147	11-Apr-26	09-Aug-26	16-Jun-26	09-Nov-26	-312	0%
Gas Detection System (DDA028)								
S3-SDB-DDA-1780	Re-submission of Gas Detection System	12	18-Nov-25	28-Apr-26	18-Oct-25 A	12-Jun-26	-221	93.51%
S3-SDB-DDA-1790	Approval of Gas Detection System	79	29-Mar-26	28-May-26	13-Jun-26	30-Aug-26	-221	0%
Control, Monitoring and Operation (CMO) System (DDA034)								
S3-SDB-DDA-1800	Prepare & Submission of CMO System	15	01-Jun-25	23-Apr-26	23-Apr-25 A	15-Jun-26	-101	96.42%
S3-SDB-DDA-1810	Review & comment on CMO System	21	16-Mar-26	05-Apr-26	16-Jun-26	06-Jul-26	-101	0%
S3-SDB-DDA-1820	Re-submission of CMO System	54	06-Apr-26	29-Aug-26	07-Jul-26	29-Aug-26	-101	0%
S3-SDB-DDA-1830	Approval of CMO System	21	30-Aug-26	19-Sep-26	30-Aug-26	19-Sep-26	-101	0%
Vehicle Access Control System (DDA029)								
S3-SDB-DDA-1910	Approval of Vehicle Access Control System	91	29-Mar-26	30-Aug-26	25-Apr-26 A	30-Aug-26	-179	28.91%
Computerised Maint. & Management Sys(CMMS) (DDA030)								
S3-SDB-DDA-1920	Prepare & Submission of CMMS	47	01-May-25	13-Apr-26	27-Mar-25 A	17-Jul-26	-256	88.25%
S3-SDB-DDA-1930	Review & comment on CMMS	21	10-Mar-26	30-Mar-26	18-Jul-26	07-Aug-26	-256	0%
S3-SDB-DDA-1940	Re-submission of CMMS	63	31-Mar-26	26-May-26	08-Aug-26	09-Oct-26	-256	0%
Power Quailty and Energy Management System (PQEMS) (DDA032)								
System Architecture Drawing (DDA032a)								
S3-SDB-DDA-2020	Re-submission of PQEMS - System Architecture Drawing	0	13-Dec-25	11-Feb-26	11-Nov-25 A	22-May-26 A		100%
S3-SDB-DDA-2030	Approval of PQEMS - System Architecture Drawing	60	11-Feb-26	31-May-26	23-May-26 A	30-Jul-26	-174	13.04%
PQEMS Panels GA, Schematic Drawings and Equipment Layout Plan (DDA032b)								
S3-SDB-DDA-2980	Re-submission of PQEMS Panels GA, Schematic Drawings and Equipment Layout Plan	0	20-Mar-26	09-Apr-26	07-Mar-26 A	20-May-26 A		100%
S3-SDB-DDA-2990	Approval of PQEMS Panels GA, Schematic Drawings and Equipment Layout Plan	45	10-Apr-26	30-Apr-26	21-May-26 A	15-Jul-26	-159	36.62%
Fire Services System (DDA018)								
S3-SDB-DDA-2070	Approval of DDA Design of FS System	60	01-Dec-25	30-May-26	28-Mar-26 A	30-Jul-26	-294	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	60	21-Sep-25	20-Feb-26	29-Nov-25 A	30-Jul-26	-227	75.41%
AC system (AC system in SDB and with Effluent Cooling System in ADB) (DDA019b)								
S3-SDB-DDA-2840	Re-submission of DDA Design of AC System (with effluent cooling system)	12	21-Feb-26	09-Apr-26	20-Mar-26 A	12-Jun-26	-239	78.95%
S3-SDB-DDA-2850	Approval of DDA Design of AC System (with effluent cooling system)	48	10-Apr-26	30-Apr-26	13-Jun-26	30-Jul-26	-239	0%
Absorption Chiller System (Absorption Chiller in Sludge Dewatering Building) (DDA019c)								
S3-SDB-DDA-3060	Re-submission of DDA Design of Absorption Chiller System (Absorption Chiller in Sludge Dewatering Building)	30	12-Feb-26	09-Apr-26	05-Feb-26 A	30-Jun-26	-318	77.1%
S3-SDB-DDA-3070	Approval of DDA Design of Absorption Chiller System (Absorption Chiller in Sludge Dewatering Building)	61	10-Apr-26	30-Apr-26	01-Jul-26	30-Aug-26	-318	0%
P&D System (DDA025)								
S3-SDB-DDA-2140	Re-submission of DDA Design of P&D System	12	08-Feb-26	09-May-26	09-Jan-26 A	12-Jun-26	-185	89.29%
S3-SDB-DDA-2150	Approval of DDA Design of P&D System	18	10-Apr-26	30-Apr-26	13-Jun-26	30-Jun-26	-185	0%
Electrical System								
Electrical System - LV Power Distribution System (DDA021B)								
S3-SDB-DDA-2540	Re-submission of DDA Design of LV Power Distribution System	0			10-Mar-26 A	26-May-26 A		100%
S3-SDB-DDA-2550	Approval of DDA Design of LV Power Distribution System	30	14-Feb-26	06-Mar-26	27-May-26 A	30-Jun-26	-262	14.29%
Electrical System - Control Wiring Diagram for LV Switchboard (DDA021C)								
S3-SDB-DDA-2590	Approval of DDA Design of Control Wiring Diagram	30	01-Mar-26	21-Mar-26	15-Apr-26 A	30-Jun-26	-262	61.04%
Biogas Pre-treatment System (DDA042)								
S3-SDB-DDA-2220	Re-submission of DDA Design of Biogas Pre-treatment System	0	11-Dec-25	07-Apr-26	21-Oct-25 A	11-May-26 A		100%
S3-SDB-DDA-2230	Approval of DDA Design of Biogas Pre-treatment System	30	16-Feb-26	30-Apr-26	12-May-26 A	30-Jun-26	-170	40%
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	15	01-Dec-25	13-Apr-26	02-Nov-25 A	15-Jun-26	-177	93.36%
S3-SDB-DDA-2650	Approval of DDA Design of All Temp. Works & Diversion for T&C	45	16-Mar-26	30-Apr-26	16-Jun-26	30-Jul-26	-177	0%
Pipe support and O&M Platform Design Calculation (DDA044)								
Structural Design Calculation - Pipe Support (DDA044a)								



Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete
S3-SDB-DDA-3020	Re-submission of DDA Design of Structural Design Calculation - Pipe Support	12	15-Feb-26	15-Apr-26	31-Mar-26 A	12-Jun-26	-44	83.78%
S3-SDB-DDA-3030	Approval of DDA Design of Structural Design Calculation - Pipe Support	18	16-Mar-26	30-Apr-26	13-Jun-26	30-Jun-26	-44	0%
Structural Design Calculation - O&M Platform (DDA044b)								
S3-SDB-DDA-3080	Prepare & Submission of DDA Design of Structural Design Calculation - O&M Platform	15			02-Feb-26 A	15-Jun-26	-74	88.81%
S3-SDB-DDA-3110	Approval of DDA Design of Structural Design Calculation - O&M Platform	45			16-Jun-26	30-Jul-26	-74	0%
Structural Design Calculation - Equipment Structural Support (DDA044c)								
S3-SDB-DDA-3140	Re-submission of DDA Design of Structural Design Calculation - Equipment Structural Support	12			11-Apr-26 A	12-Jun-26	-44	65.71%
S3-SDB-DDA-3150	Approval of DDA Design of Structural Design Calculation - Equipment Structural Support	18			13-Jun-26	30-Jun-26	-44	0%
Plant & Material Submission								
Sludge Dewatering and Drying System								
Sludge Dryer System								
Control Panel (ME0003D)								
S3-SDB-PMS-2190	Review & Approval of Sludge Dryer System (Control Panel)	31	03-Feb-26	13-Apr-26	28-Apr-26 A	01-Jul-26	-237	52.31%
Auxiliary Equipment in Sludge Drying System (ME003E)								
S3-SDB-PMS-1760	Prepare & Submission of Auxiliary Equipment in Sludge Drying System	0	06-Oct-25	24-May-26	28-Jul-25 A	29-May-26 A		100%
S3-SDB-PMS-1790	Review & Approval of Auxiliary Equipment in Sludge Drying System	31	16-Mar-26	28-Apr-26	30-May-26 A	01-Jul-26	-51	6.06%
Wet Sludge Hopper and Dried Sludge Silo (ME007)								
S3-SDB-PMS-1680	Prepare & Submission of Wet Sludge Hopper and Dried Sludge Silo	0	01-Feb-25	11-Dec-25	06-Jan-25 A	22-May-26 A		100%
S3-SDB-PMS-1710	Review & Approval of Wet Sludge Hopper and Dried Sludge Silo	31	08-Mar-26	28-Mar-26	23-May-26 A	01-Jul-26	-156	22.5%
Sludge Skips (ME009)								
S3-SDB-PMS-2200	Prepare & Submission of Sludge Skips	42	01-Nov-25	31-May-26	01-Oct-25 A	12-Jul-26	-231	83.53%
S3-SDB-PMS-2210	Review & Approval of Sludge Skips	65	01-May-26	15-Jun-26	13-Jul-26	15-Sep-26	-231	0%
Digested Sludge Holding Tank Drain Pump and Polymer Pumps (ME022)								
S3-SDB-PMS-2230	Review & Approval of Digested Sludge Holding Tank Drain Pump and Polymer Pumps	71	26-Feb-26	10-Apr-26	29-Apr-26 A	10-Aug-26	-277	31.73%
Biogas Pre-treatment System (ME010)								
S3-SDB-PMS-1040	Prepare & Submission of Biogas Pre-treatment System	0	06-Feb-25	12-Mar-26	13-Jan-25 A	11-May-26 A		100%
S3-SDB-PMS-1070	Review & Approval of Biogas Pre-treatment System	15	17-Feb-26	01-Apr-26	12-May-26 A	15-Jun-26	-214	67.39%
Auxliary Equipment I (Gas train and Lubrication oil tank) for CHP system (ME011B)								
S3-SDB-PMS-3630	Review & comment on Auxliary Equipment I (Gas train and Lubrication oil tank) for CHP system	0			23-Apr-26 A	11-May-26 A		100%
S3-SDB-PMS-3640	Re-submission of Auxliary Equipment I (Gas train and Lubrication oil tank) for CHP system	12			12-May-26 A	12-Jun-26	-239	62.5%
S3-SDB-PMS-3650	Review & Approval of Auxliary Equipment I (Gas train and Lubrication oil tank) for CHP system	46			13-Jun-26	28-Jul-26	-239	0%
Auxliary Equipment II (Intake Fan,Exhaust Gas Silencer & Main Heat Exchanger) for CHP system(ME011C)								
S3-SDB-PMS-3660	Prepare & Submission of Auxliary Equipment II (Intake Fan, Exhaust Gas Silencer and Main Heat Exchanger) for CHP system	61			02-Mar-26 A	31-Jul-26	-239	59.87%
S3-SDB-PMS-3670	Review & Approval of Auxliary Equipment II (Intake Fan, Exhaust Gas Silencer and Main Heat Exchanger) for CHP system	28			01-Aug-26	28-Aug-26	-239	0%
CHP Heat Recovery System (ME011D)								
S3-SDB-PMS-3580	Prepare & Submission of CHP Heat Recovery System	12	01-Jun-25	27-Jul-25	02-Jan-26 A	12-Jun-26	-239	92.59%
S3-SDB-PMS-3610	Review & Approval of CHP Heat Recovery System	16	28-Feb-26	20-Mar-26	13-Jun-26	28-Jun-26	-239	0%
Control Panel and Instrument for CHP system (ME011E)								
S3-SDB-PMS-3680	Prepare & Submission of Control Panel and Instrument for CHP system	28			02-Mar-26 A	28-Jun-26	-269	68.18%
S3-SDB-PMS-3690	Review & Approval of Control Panel and Instrument for CHP system	92			29-Jun-26	28-Sep-26	-269	0%
Gas Detection system for CHP system (ME011F)								
S3-SDB-PMS-3700	Prepare & Submission of Gas Detection system for CHP system	58			02-Mar-26 A	28-Jul-26	-238	61.07%
S3-SDB-PMS-3710	Review & Approval of Gas Detection system for CHP system	92			29-Jul-26	28-Oct-26	-238	0%
Pipework and Valves(Biogas pipes, Water pipes and Chimney pipes)for CHP system (ME011G)								
S3-SDB-PMS-3720	Prepare & Submission of Pipework and Valves(Biogas pipes, Water pipes and Chimney pipes)	58			02-Mar-26 A	28-Jul-26	-238	61.07%



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31-May-26	Rev.46	IM	JM

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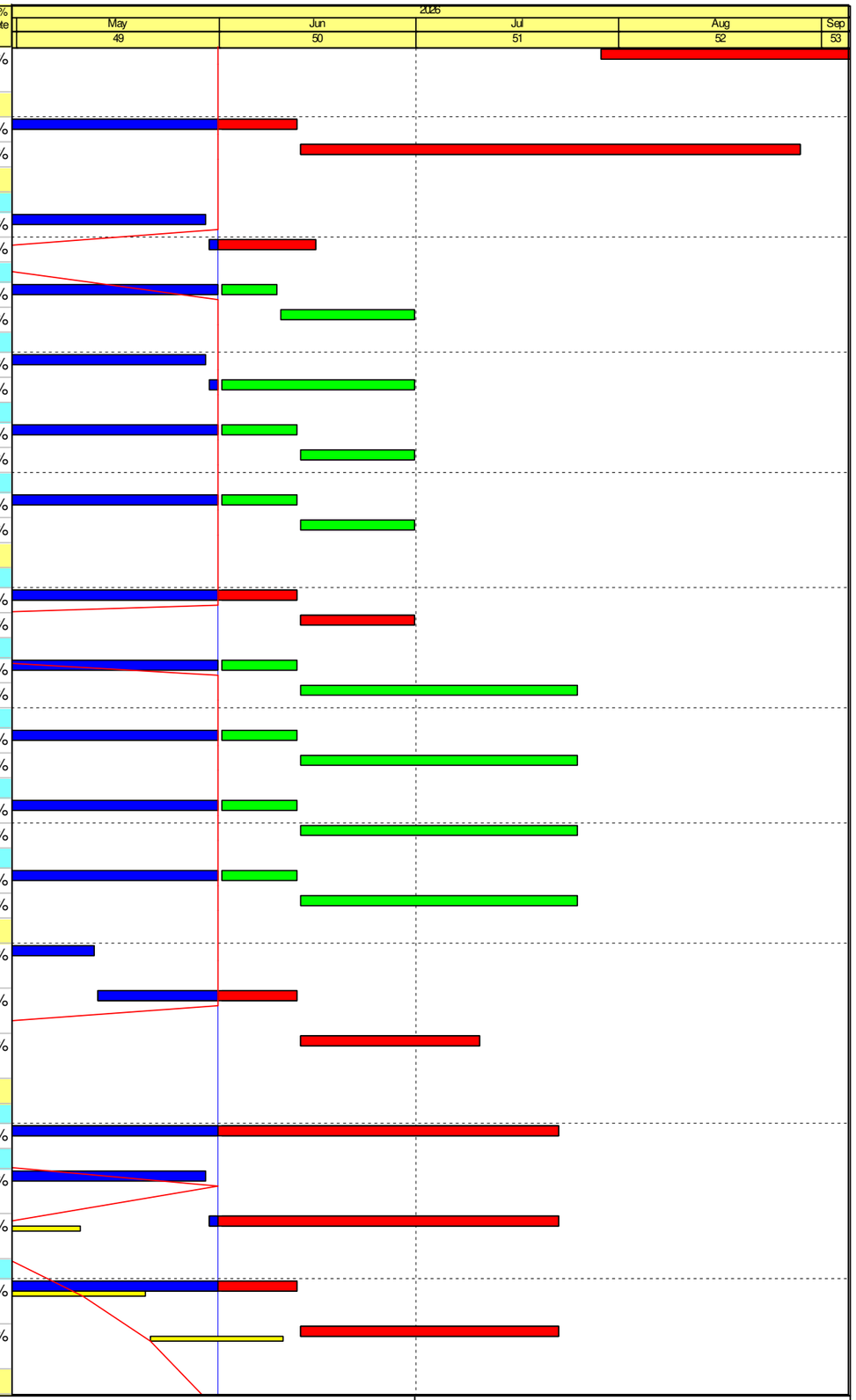
S3-SDB-PMS-3730	Review & Approval of Pipework and Valves(Biogas pipes, Water pipes and Chimney pipes)	92			29-Jul-26	28-Oct-26	-238	0%
Acoustic Enclosure for CHP Generator Set (ME011H)								
S3-SDB-PMS-3740	Prepare & Submission of Acoustic Enclosure for CHP Generator Set	12			02-Mar-26 A	12-Jun-26	-238	88.35%
S3-SDB-PMS-3750	Review & Approval of Acoustic Enclosure for CHP Generator Set	77			13-Jun-26	28-Aug-26	-238	0%
Sludge Heating System (ME012)								
Hotwater Heater Module (Hotwater Heaters) (ME012A)								
S3-SDB-PMS-1900	Re-submission of Sludge Heating System (Biogas Hot-Water Heater)	0	13-Mar-26	30-Mar-26	07-Mar-26 A	29-May-26 A		100%
S3-SDB-PMS-1910	Review & Approval of Sludge Heating System (Biogas Hot-Water Heater)	15	31-Mar-26	20-Apr-26	30-May-26 A	15-Jun-26	-180	53.13%
Auxliary Equipment I (Blow Down Tanks and Heat Exchangers) (ME012B)								
S3-SDB-PMS-3820	Re-submission of Auxliary Equipment I	9			06-Mar-26 A	09-Jun-26	499	90.63%
S3-SDB-PMS-3830	Review & Approval of Auxliary Equipment I	21			10-Jun-26	30-Jun-26	499	0%
Auxliary Equipment II (Chemical Dosing System, Hotwater Feed & Recirculation Pumps) (ME012C)								
S3-SDB-PMS-3860	Re-submission of Auxliary Equipment II	0			06-Mar-26 A	29-May-26 A		100%
S3-SDB-PMS-3870	Review & Approval of Auxliary Equipment II	30			30-May-26 A	30-Jun-26	499	6.25%
Auxliary Equipment III (Pipework, Valve, Instrument) (ME012D)								
S3-SDB-PMS-3900	Re-submission of Auxliary Equipment III	12			06-Mar-26 A	12-Jun-26	499	87.88%
S3-SDB-PMS-3910	Review & Approval of Auxliary Equipment III	18			13-Jun-26	30-Jun-26	499	0%
Control Panel (ME012E)								
S3-SDB-PMS-3940	Re-submission of Control Panel	12			06-Mar-26 A	12-Jun-26	499	87.88%
S3-SDB-PMS-3950	Review & Approval of Control Panel	18			13-Jun-26	30-Jun-26	499	0%
Steam Boiler System (ME013)								
Steam Boiler Module (Steam Boilers, Gas Train, Burner) (ME013A)								
S3-SDB-PMS-1140	Re-submission of Steam Boiler Module	12			21-Feb-26 A	12-Jun-26	-283	82.61%
S3-SDB-PMS-1150	Review & Approval of Steam Boiler Module	18	01-Feb-26	25-Mar-26	13-Jun-26	30-Jun-26	-283	0%
Auxliary Equipment I (Deaerators, Flash Vessels, Blow Down Tanks and Steam Feed Pumps) (ME013B)								
S3-SDB-PMS-3980	Re-submission of Auxliary Equipment I	12			21-Feb-26 A	12-Jun-26	474	89.29%
S3-SDB-PMS-3990	Review & Approval of Auxliary Equipment I	43			13-Jun-26	25-Jul-26	474	0%
Auxliary Equipment II (Chemical Dosing System & Condensation System) (ME013C)								
S3-SDB-PMS-4020	Re-submission of Auxliary Equipment II	12			21-Feb-26 A	12-Jun-26	474	89.29%
S3-SDB-PMS-4030	Review & Approval of Auxliary Equipment II	43			13-Jun-26	25-Jul-26	474	0%
Auxliary Equipment III (Pipework, Valve, Instrument) (ME013D)								
S3-SDB-PMS-4060	Re-submission of Auxliary Equipment III	12			21-Feb-26 A	12-Jun-26	474	89.29%
S3-SDB-PMS-4070	Review & Approval of Auxliary Equipment III	43			13-Jun-26	25-Jul-26	474	0%
Control Panel (ME013E)								
S3-SDB-PMS-4100	Re-submission of Control Panel	12			21-Feb-26 A	12-Jun-26	474	89.29%
S3-SDB-PMS-4110	Review & Approval of Control Panel	43			13-Jun-26	25-Jul-26	474	0%
Polyelectrolyte Preparation, Mixing, Transfer, Storage and Dosing System (ME016)								
S3-SDB-PMS-1170	Review & comment on Polyelectrolyte Preparation, Mixing, Transfer, Storage & Dosing System	0			25-Apr-26 A	12-May-26 A		100%
S3-SDB-PMS-1180	Re-submission of Polyelectrolyte Preparation, Mixing, Transfer, Storage & Dosing System	12			13-May-26 A	12-Jun-26	-264	61.29%
S3-SDB-PMS-1190	Review & Approval of Polyelectrolyte Preparation, Mixing, Transfer, Storage & Dosing System	28	26-Feb-26	10-Apr-26	13-Jun-26	10-Jul-26	-264	0%
Deodourisation System								
Deodourisation System (EL-Panel) (ME015B)								
S3-SDB-PMS-3330	Review & Approval of Deodourisation System (EL-Panel)	52	25-Feb-26	09-Apr-26	24-Apr-26 A	22-Jul-26	-148	42.22%
DO system (Associate Pipework & Valve & Instrument & Discharge Stack) (ME019)								
S3-SDB-PMS-3360	Re-submission of DO system (Associate Pipework & Valve & Instrumnt & Discharge Stack)	0	18-Mar-26	19-Apr-26	10-Feb-26 A	29-May-26 A		100%
S3-SDB-PMS-3370	Review & Approval of DO system (Associate Pipework & Valve & Instrumnt & Discharge Stack)	52	20-Apr-26	10-May-26	30-May-26 A	22-Jul-26	-148	3.7%
Air Purifying System with Disinfection (SDB and ADB) (ME020)								
S3-SDB-PMS-1980	Re-submission of Air Purifying System with Disinfection (SDB and ADB)	12	19-Apr-26	20-May-26	18-Apr-26 A	12-Jun-26	-240	69.23%
S3-SDB-PMS-1990	Review & Approval of Air Purifying System with Disinfection (SDB and ADB)	40	21-May-26	10-Jun-26	13-Jun-26	22-Jul-26	-240	0%
Lifting Appliance (ME017)								



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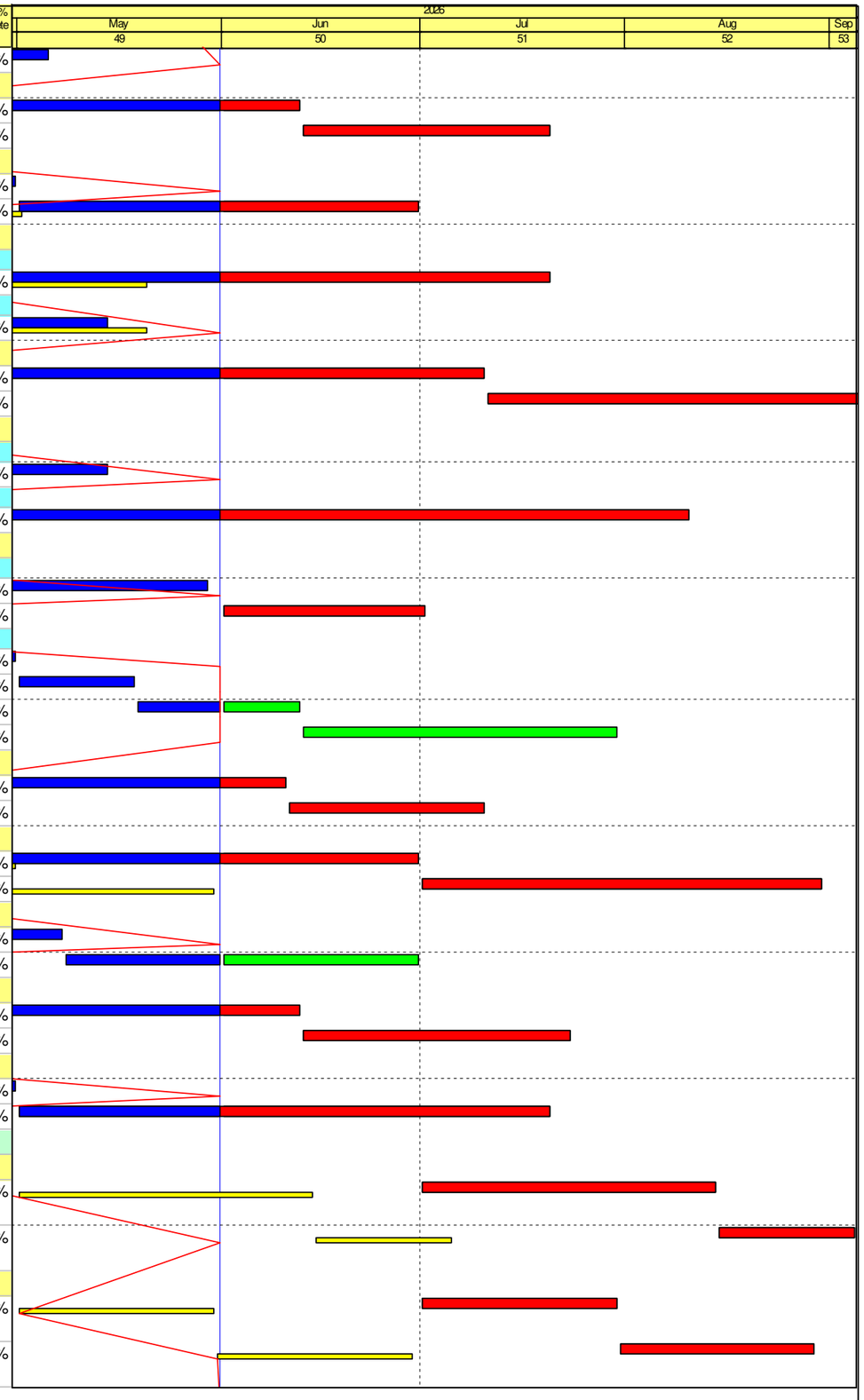
S3-SDB-PMS-1310	Review & Approval of Lifting Appliance	0	01-Mar-26	21-Mar-26	24-Mar-26 A	05-May-26 A		100%
Valves and Actuators (DI) (ME021)								
S3-SDB-PMS-1340	Re-submission of Valves and Actuators (DI)	12	01-Feb-26	20-Mar-26	22-Jan-26 A	12-Jun-26	-248	91.55%
S3-SDB-PMS-1350	Review & Approval of Valves and Actuators (DI)	38	11-Mar-26	10-Apr-26	13-Jun-26	20-Jul-26	-248	0%
Chemical (uPVC) Pipes, Fittings and Accessories (ME023)								
S3-SDB-PMS-1420	Re-submission of uPVC Pipes, Fittings & Accessories	0	01-Nov-25	16-Feb-26	15-Oct-25 A	30-Apr-26 A		100%
S3-SDB-PMS-1430	Review & Approval of uPVC Pipes, Fittings & Accessories	30	03-Mar-26	01-May-26	01-May-26 A	30-Jun-26	-44	50.82%
SCADA and PLC system								
PLC Panel System (ICA001)								
S3-SDB-PMS-1470	Review & Approval of PLC Panel system	50	01-Mar-26	20-May-26	31-Mar-26 A	20-Jul-26	-287	55.36%
SCADA System (ICA002)								
S3-SDB-PMS-3410	Review & Approval of SCADA system	0	01-Mar-26	20-May-26	28-Mar-26 A	14-May-26 A		100%
Gas Detection System (ME026)								
S3-SDB-PMS-1500	Re-submission of Gas Detection System	40	08-Nov-25	21-Mar-26	18-Oct-25 A	10-Jul-26	-311	84.96%
S3-SDB-PMS-1510	Review & Approval of Gas Detection System	92	01-Mar-26	10-Apr-26	11-Jul-26	10-Oct-26	-311	0%
Instrumentation								
Electromagnetic and Flow Transmitter (ICA008)								
S3-SDB-PMS-2390	Review & Approval of Electromagnetic and Flow Transmitter	0	04-Mar-26	25-Apr-26	09-Apr-26 A	14-May-26 A		100%
Gas Detector Instruments (ICA015)								
S3-SDB-PMS-2670	Review & Approval of Gas Detector Instruments	71	23-Dec-25	10-Feb-26	23-Apr-26 A	10-Aug-26	-277	35.45%
Sludge Conveyors (ME005)								
Sludge Conveyor of Sludge Dewatering and Drying System (ME005A)								
S3-SDB-PMS-1840	Prepare & Submission of Sludge Conveyors	0	01-Feb-25	05-Mar-26	21-Jan-25 A	29-May-26 A		100%
S3-SDB-PMS-1870	Review & Approval of Sludge Conveyor	31	23-Feb-26	15-Mar-26	01-Jun-26	01-Jul-26	-193	0%
Sludge Conveyor of Mixed Sludge Discharge System (ME005B)								
S3-SDB-PMS-4120	Prepare & Submission of Sludge Conveyors	0			21-Jan-25 A	30-Apr-26 A		100%
S3-SDB-PMS-4130	Review & comment on Sludge Conveyors	0			01-May-26 A	18-May-26 A		100%
S3-SDB-PMS-4140	Re-submission of Sludge Conveyors	12			19-May-26 A	12-Jun-26	469	52%
S3-SDB-PMS-4150	Review & Approval of Sludge Conveyor	48			13-Jun-26	30-Jul-26	469	0%
Exhaust Gas Treatment System (ME014)								
S3-SDB-PMS-1920	Prepare & Submission of Exhaust Gas Treatment System	10	01-Jun-25	12-Apr-26	09-May-25 A	10-Jun-26	-169	97.49%
S3-SDB-PMS-1950	Review & Approval of Exhaust Gas Treatment System	30	21-Mar-26	10-Apr-26	11-Jun-26	10-Jul-26	-169	0%
Scissor Platform spare plant for operation (ME029)								
S3-SDB-PMS-3240	Re-submission of Scissor Platform spare plant for operation	30	09-Jan-26	30-Apr-26	09-Dec-25 A	30-Jun-26	-252	85.29%
S3-SDB-PMS-3250	Review & Approval of Scissor Platform spare plant for operation	61	31-Mar-26	30-May-26	01-Jul-26	30-Aug-26	-252	0%
Chemical Anchors, Bolts, Nuts and Washer (ME024)								
S3-SDB-PMS-3200	Re-submission of Chemical Anchors, Bolts, Nuts & Washer	0	07-Oct-25	08-Nov-25	04-Oct-25 A	07-May-26 A		100%
S3-SDB-PMS-3210	Review & Approval of Chemical Anchors, Bolts, Nuts & Washer	30	22-Dec-25	26-Apr-26	08-May-26 A	30-Jun-26	23	44.44%
Permanent working platform & Pipe Support (ME028)								
S3-SDB-PMS-3520	Re-submission of Permanent working platform & Pipe Support	12	09-Jan-26	27-Mar-26	13-Dec-25 A	12-Jun-26	-67	93.41%
S3-SDB-PMS-3530	Review & Approval of Permanent working platform & Pipe Support	41	01-Mar-26	28-Mar-26	13-Jun-26	23-Jul-26	-67	0%
Valve and Actuator (SS) (BS023)								
S3-SDB-PMS-3560	Re-submission of Valves and Actuators (SS)	0			17-Mar-26 A	30-Apr-26 A		100%
S3-SDB-PMS-3570	Review & Approval of Valves and Actuators (SS)	50	21-Feb-26	10-Apr-26	01-May-26 A	20-Jul-26	-248	38.27%
Method Statement								
Sludge Mixing System								
S3-SDB-MS-1000	Prepare & Submission of method statement of installation of Sludge Mixing System	45	01-May-26	14-Jun-26	01-Jul-26	14-Aug-26	-196	0%
S3-SDB-MS-1010	Review & comment on method statement of installation of Sludge Mixing System	21	15-Jun-26	05-Jul-26	15-Aug-26	04-Sep-26	-196	0%
Sludge Dewatering and Drying System								
S3-SDB-MS-1080	Prepare & Submission of method statement of installation of Sludge Dewatering & Drying System	30	01-May-26	30-May-26	01-Jul-26	30-Jul-26	-194	0%
S3-SDB-MS-1090	Review & comment on method statement of installation of Sludge Dewatering & Drying System	30	31-May-26	29-Jun-26	31-Jul-26	29-Aug-26	-194	0%



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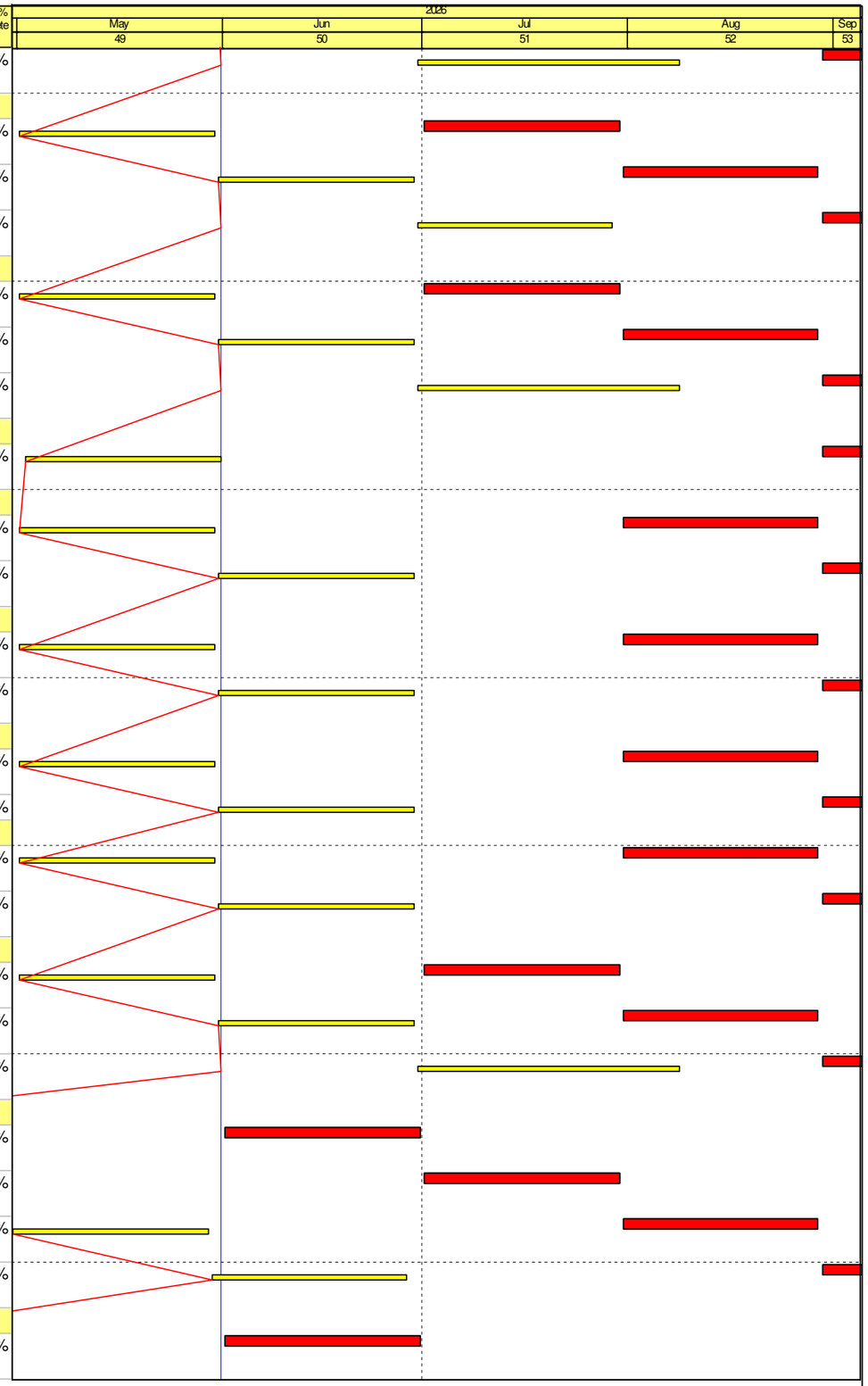
S3-SDB-MS-1100	Re-submission of method statement of installation of Sludge Dewatering & Drying System	40	30-Jun-26	08-Aug-26	30-Aug-26	08-Oct-26	-194	0%
Sludge Conveying and Discharge System								
S3-SDB-MS-1120	Prepare & Submission of method statement of installation of Sludge Conveying & Discharge System	30	01-May-26	30-May-26	01-Jul-26	30-Jul-26	-170	0%
S3-SDB-MS-1130	Review & comment on method statement of installation of Sludge Conveying & Discharge System	30	31-May-26	29-Jun-26	31-Jul-26	29-Aug-26	-170	0%
S3-SDB-MS-1140	Re-submission of method statement of installation of Sludge Conveying & Discharge System	30	30-Jun-26	29-Jul-26	30-Aug-26	28-Sep-26	-170	0%
Polyelectrolyte Preparation, Mixing, Transferring, Storage and Dosing System								
S3-SDB-MS-1160	Prepare & Submission of method statement of installation of Polyelectrolyte System	30	01-May-26	30-May-26	01-Jul-26	30-Jul-26	-190	0%
S3-SDB-MS-1170	Review & comment on method statement of installation of Polyelectrolyte System	30	31-May-26	29-Jun-26	31-Jul-26	29-Aug-26	-190	0%
S3-SDB-MS-1180	Re-submission of method statement of installation of Polyelectrolyte System	40	30-Jun-26	08-Aug-26	30-Aug-26	08-Oct-26	-190	0%
Centrate/Filtrate Collection System								
S3-SDB-MS-1200	Prepare & Submission of method statement of installation of Centrate/Filtrate Collection System	30	02-May-26	31-May-26	30-Aug-26	28-Sep-26	-250	0%
Steam Boiler System								
S3-SDB-MS-1240	Prepare & Submission of method statement of installation of Steam Boiler System	30	01-May-26	30-May-26	31-Jul-26	29-Aug-26	-232	0%
S3-SDB-MS-1250	Review & comment on method statement of installation of Steam Boiler System	30	31-May-26	29-Jun-26	30-Aug-26	28-Sep-26	-232	0%
Sludge Heating System								
S3-SDB-MS-1280	Prepare & Submission of method statement of installation of Sludge Heating System	30	01-May-26	30-May-26	31-Jul-26	29-Aug-26	-263	0%
S3-SDB-MS-1290	Review & comment on method statement of installation of Sludge Heating System	30	31-May-26	29-Jun-26	30-Aug-26	28-Sep-26	-263	0%
CHP System								
S3-SDB-MS-1400	Prepare & Submission of method statement of installation of CHP System	30	01-May-26	30-May-26	31-Jul-26	29-Aug-26	-220	0%
S3-SDB-MS-1410	Review & comment on method statement of installation of CHP System	30	31-May-26	29-Jun-26	30-Aug-26	28-Sep-26	-220	0%
Exhaust Gas Treatment System								
S3-SDB-MS-1440	Prepare & Submission of method statement of installation of Exhaust Gas Treatment System	30	01-May-26	30-May-26	31-Jul-26	29-Aug-26	-212	0%
S3-SDB-MS-1450	Review & comment on method statement of installation of Exhaust Gas Treatment System	30	31-May-26	29-Jun-26	30-Aug-26	28-Sep-26	-212	0%
Deodorisation Unit/System								
S3-SDB-MS-1520	Prepare & Submission of method statement of installation of Deodorisation Unit/System	30	01-May-26	30-May-26	01-Jul-26	30-Jul-26	-256	0%
S3-SDB-MS-1530	Review & comment on method statement of installation of Deodorisation Unit/System	30	31-May-26	29-Jun-26	31-Jul-26	29-Aug-26	-256	0%
S3-SDB-MS-1540	Re-submission of method statement of installation of Deodorisation Unit/System	40	30-Jun-26	08-Aug-26	30-Aug-26	08-Oct-26	-256	0%
Air Purifier System with Disinfection								
S3-SDB-MS-1560	Prepare & Submission of method statement of installation of Air Purifier System with Disinfection	30	01-Mar-26	30-Mar-26	01-Jun-26	30-Jun-26	-150	0%
S3-SDB-MS-1570	Review & comment on method statement of installation of Air Purifier System with Disinfection	30	31-Mar-26	29-Apr-26	01-Jul-26	30-Jul-26	-150	0%
S3-SDB-MS-1580	Re-submission of method statement of installation of Air Purifier System with Disinfection	30	30-Apr-26	29-May-26	31-Jul-26	29-Aug-26	-150	0%
S3-SDB-MS-1590	Approval of method statement of installation of Air Purifier System with Disinfection	30	30-May-26	28-Jun-26	30-Aug-26	28-Sep-26	-150	0%
Lifting Appliance								
S3-SDB-MS-1600	Prepare & Submission of method statement of installation of Lifting Appliance	30	22-Mar-26	20-Apr-26	01-Jun-26	30-Jun-26	-263	0%



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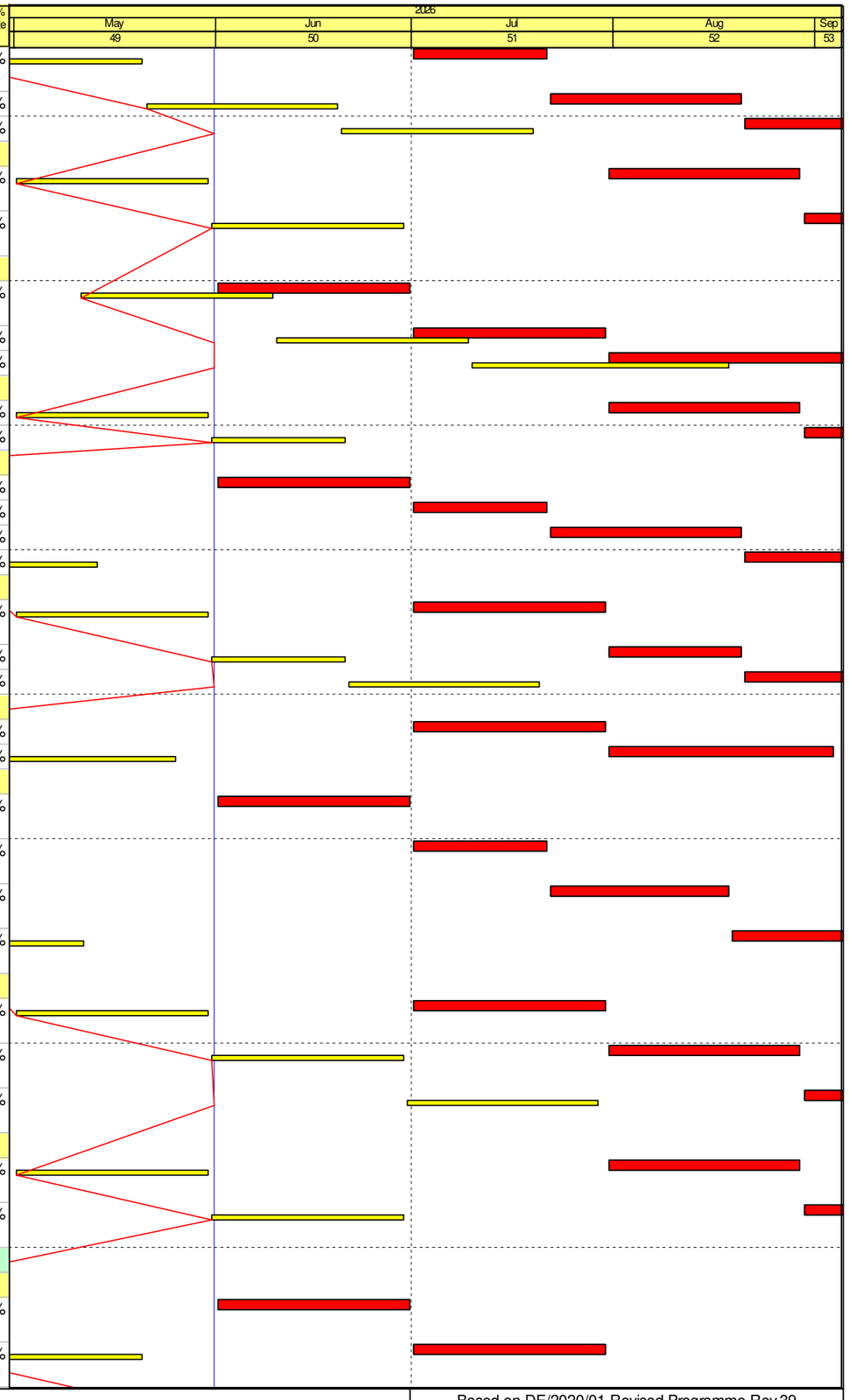
30-Apr-26	Rev.45	IM	JM
31-May-26	Rev.46	IM	JM

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete
S3-SDB-MS-1610	Review & comment on method statement of installation of Lifting Appliance	21	21-Apr-26	20-May-26	01-Jul-26	21-Jul-26	-263	0%
S3-SDB-MS-1620	Re-submission of method statement of installation of Lifting Appliance	30	21-May-26	19-Jun-26	22-Jul-26	20-Aug-26	-263	0%
S3-SDB-MS-1630	Approval of method statement of installation of Lifting Appliance	21	20-Jun-26	19-Jul-26	21-Aug-26	10-Sep-26	-263	0%
Emergency Generator Set								
S3-SDB-MS-1640	Prepare & Submission of method statement of installation of Emergency Generator System	30	01-May-26	30-May-26	31-Jul-26	29-Aug-26	-300	0%
S3-SDB-MS-1650	Review & comment on method statement of installation of Emergency Generator System	21	31-May-26	29-Jun-26	30-Aug-26	19-Sep-26	-300	0%
Process Instrumentation System								
S3-SDB-MS-1800	Prepare & Submission of method statement of installation of UPS System	30	11-May-26	09-Jun-26	01-Jun-26	30-Jun-26	-160	0%
S3-SDB-MS-1810	Review & comment on method statement of installation of UPS System	30	10-Jun-26	09-Jul-26	01-Jul-26	30-Jul-26	-160	0%
S3-SDB-MS-1820	Re-submission of method statement of installation of UPS System	40	10-Jul-26	18-Aug-26	31-Jul-26	08-Sep-26	-160	0%
Power Quailty and Energy Management System (PQEMS)								
S3-SDB-MS-1960	Prepare & Submission of method statement of installation of PQEMS	30	01-May-26	30-May-26	31-Jul-26	29-Aug-26	-174	0%
S3-SDB-MS-1970	Review & comment on method statement of installation of PQEMS	21	31-May-26	20-Jun-26	30-Aug-26	19-Sep-26	-174	0%
Fire Services System								
S3-SDB-MS-2000	Prepare & Submission of method statement of installation of FS system	30	01-Feb-26	02-Mar-26	01-Jun-26	30-Jun-26	-284	0%
S3-SDB-MS-2010	Review & comment on method statement of installation of FS system	21	03-Mar-26	23-Mar-26	01-Jul-26	21-Jul-26	-284	0%
S3-SDB-MS-2020	Re-submission of method statement of installation of FS system	30	24-Mar-26	22-Apr-26	22-Jul-26	20-Aug-26	-284	0%
S3-SDB-MS-2030	Approval of method statement of installation of FS system	21	23-Apr-26	13-May-26	21-Aug-26	10-Sep-26	-284	0%
P&D System								
S3-SDB-MS-2080	Prepare & Submission of method statement of installation of P&D System	30	01-May-26	30-May-26	01-Jul-26	30-Jul-26	-185	0%
S3-SDB-MS-2090	Review & comment on method statement of installation of P&D System	21	31-May-26	20-Jun-26	31-Jul-26	20-Aug-26	-185	0%
S3-SDB-MS-2100	Re-submission of method statement of installation of P&D System	30	21-Jun-26	20-Jul-26	21-Aug-26	19-Sep-26	-185	0%
Electrical System								
S3-SDB-MS-2120	Prepare & Submission of method statement of LVSB installation	30	22-Mar-26	20-Apr-26	01-Jul-26	30-Jul-26	-262	0%
S3-SDB-MS-2130	Review & comment on method statement of LVSB installation	35	21-Apr-26	25-May-26	31-Jul-26	03-Sep-26	-262	0%
Earthing & Lightning Protection System								
S3-SDB-MS-2640	Prepare & Submission of method statement of Earthing & Lightning Protection System	30	01-Feb-26	02-Mar-26	01-Jun-26	30-Jun-26	-114	0%
S3-SDB-MS-2650	Review & comment on method statement of Earthing & Lightning Protection System	21	03-Mar-26	23-Mar-26	01-Jul-26	21-Jul-26	-114	0%
S3-SDB-MS-2660	Re-submission of method statement of Earthing & Lightning Protection System	28	24-Mar-26	20-Apr-26	22-Jul-26	18-Aug-26	-114	0%
S3-SDB-MS-2670	Approval of method statement of Earthing & Lightning Protection System	21	21-Apr-26	11-May-26	19-Aug-26	08-Sep-26	-114	0%
Biogas Pre-treatment System								
S3-SDB-MS-2200	Prepare & Submission of method statement of installation of Biogas Pre-treatment System	30	01-May-26	30-May-26	01-Jul-26	30-Jul-26	-170	0%
S3-SDB-MS-2210	Review & comment on method statement of installation of Biogas Pre-treatment System	30	31-May-26	29-Jun-26	31-Jul-26	29-Aug-26	-170	0%
S3-SDB-MS-2220	Re-submission of method statement of installation of Biogas Pre-treatment System	30	30-Jun-26	29-Jul-26	30-Aug-26	28-Sep-26	-170	0%
All Temporary Works and Diversion Works for Testing and Commissioning								
S3-SDB-MS-2240	Prepare & Submission of method statement of installation of All Temp. Works & Diversion for T&C	30	01-May-26	30-May-26	31-Jul-26	29-Aug-26	-177	0%
S3-SDB-MS-2250	Review & comment on method statement of installation of All Temp. Works & Diversion for T&C	30	31-May-26	29-Jun-26	30-Aug-26	28-Sep-26	-177	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	22-Mar-26	20-Apr-26	01-Jun-26	30-Jun-26	-142	0%
S3-SDB-SAT-1610	Review & comment on SAT/ T&C Procedure (with Test Form) of Lifting Appliance	30	21-Apr-26	20-May-26	01-Jul-26	30-Jul-26	-142	0%



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31-May-26	Rev.46	IM	JM

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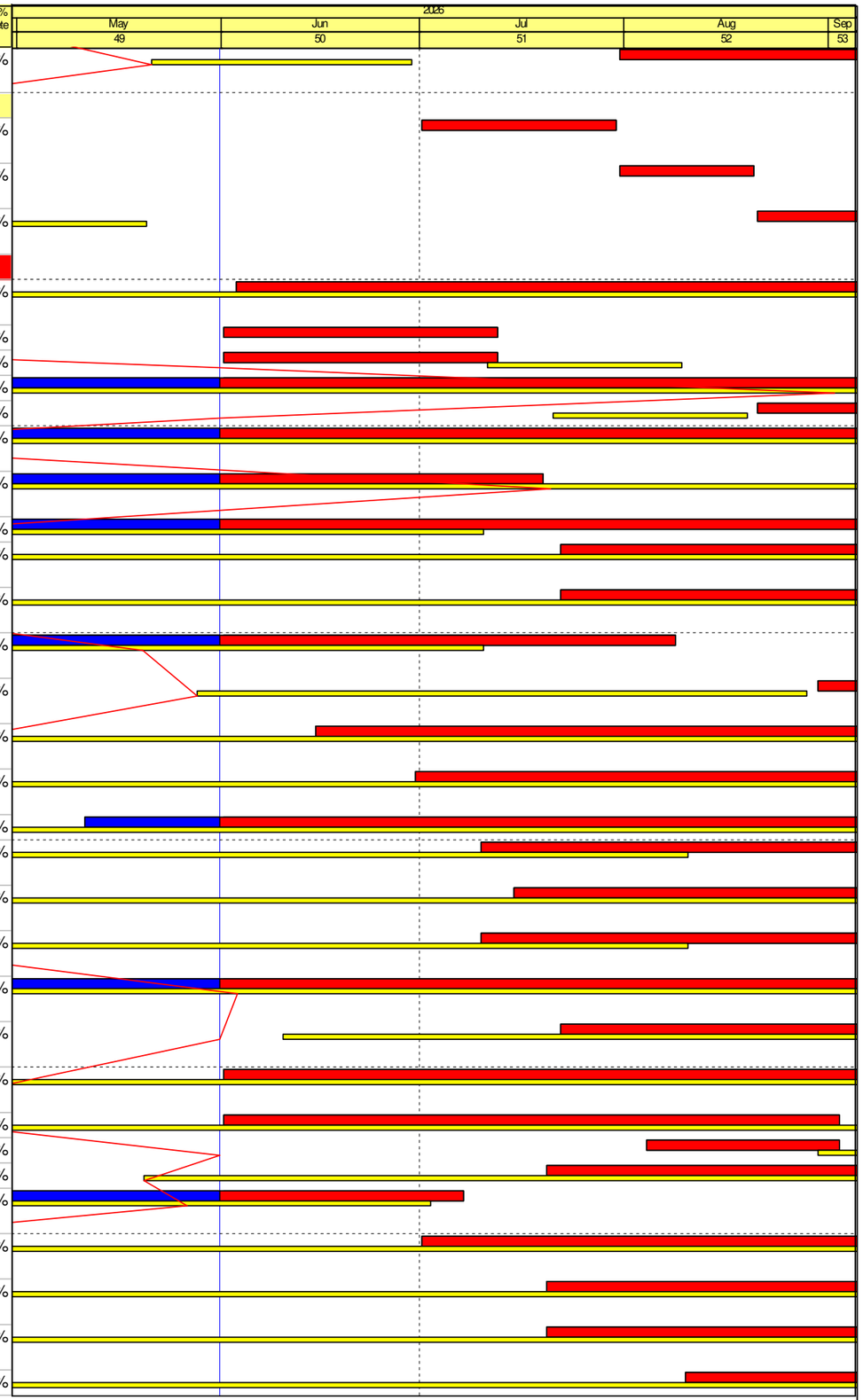
S3-SDB-SAT-1620	Re-submission of SAT/ T&C Procedure (with Test Form) of Lifting Appliance	40	21-May-26	29-Jun-26	31-Jul-26	08-Sep-26	-142	0%
Earthing & Lightning Protection System								
S3-SDB-SAT-2680	Prepare & Submission of T&C Plan (include FAT & SAT) of Earthing & Lightning Protection System	30	03-Mar-26	01-Apr-26	01-Jul-26	30-Jul-26	-107	0%
S3-SDB-SAT-2690	Review & comment on T&C Plan (include FAT & SAT) of Earthing & Lightning Protection System	21	02-Apr-26	22-Apr-26	31-Jul-26	20-Aug-26	-107	0%
S3-SDB-SAT-2700	Re-submission of T&C Plan (include FAT & SAT) of Earthing & Lightning Protection System	28	23-Apr-26	20-May-26	21-Aug-26	17-Sep-26	-107	0%
Manufacture, FAT & Delivery of Major Equipment								
S3-SDB-MD-1000	Manufacture with FAT (4 months) & Delivery(1 months) of Lifting Appliance	154	22-Mar-26	21-Sep-26	03-Jun-26*	03-Nov-26	-317	0%
S3-SDB-MD-1030	Delivery of Dewatering Centrifuge	42	21-Feb-26	22-Mar-26	01-Jun-26	12-Jul-26	-53	0%
S3-SDB-MD-1060	Delivery of Dryer Centrifuge	42	11-Jul-26	09-Aug-26	01-Jun-26	12-Jul-26	-11	0%
S3-SDB-MD-1070	Manufacture of Paddle Dryer	111	21-Dec-25	21-Dec-26	19-Aug-25 A	19-Sep-26	-166	69.67%
S3-SDB-MD-1080	FAT for Paddle Dryer	30	21-Jul-26	19-Aug-26	21-Aug-26	19-Sep-26	-166	0%
S3-SDB-MD-1100	Manufacture with FAT (5 months) & Delivery(1 month) of Dynamic Sludge Mixer	180	16-Mar-26	15-Dec-26	27-Apr-26 A	27-Nov-26	-170	2.17%
S3-SDB-MD-1110	Manufacture with FAT (5 months) & Delivery(1 month) of Discharge & Cooling Conveyors	49	10-Mar-26	07-Sep-26	19-Dec-25 A	19-Jul-26	-10	73.08%
S3-SDB-MD-1120	Manufacture with FAT (5 months) & Delivery(1 month) of Air Ejector	116	10-Feb-26	10-Jul-26	24-Feb-26 A	24-Sep-26	-148	36.26%
S3-SDB-MD-1130	Manufacture with FAT (3 months) & Delivery(1 month) of Wet Sludge Hopper	124	28-Mar-26	28-Oct-26	22-Jul-26*	22-Nov-26	-177	0%
S3-SDB-MD-1132	Manufacture with FAT (3 months) & Delivery(1 month) of Dried Sludge Silo	124	28-Mar-26	28-Oct-26	22-Jul-26*	22-Nov-26	-165	0%
S3-SDB-MD-1134	Manufacture with FAT (3 months) & Delivery(1 month) of Sludge Feed Pump	69	10-Apr-26	10-Jul-26	09-Mar-26 A	08-Aug-26	-103	43.44%
S3-SDB-MD-1136	Manufacture with FAT (2 months) & Delivery(1 month) of Instrument Air System	93	28-May-26	28-Aug-26	30-Aug-26*	30-Nov-26	-111	0%
S3-SDB-MD-1138	Manufacture with FAT (2 months) & Delivery(1 month) of Sludge Heating System - Heat Exchanger and Recirculation System	93	20-Apr-26	20-Nov-26	15-Jun-26*	15-Sep-26	-180	0%
S3-SDB-MD-1140	Manufacture with FAT (5 months) & Delivery(1 month) of Biogas Pre-treatment System	184	01-Apr-26	01-Nov-26	30-Jun-26*	30-Dec-26	-229	0%
S3-SDB-MD-1150	Manufacture with FAT (8 months) & Delivery(1 month) of CHP System	255	28-Feb-26	28-Feb-27	11-May-26 A	10-Feb-27	-282	7.61%
S3-SDB-MD-1155	Manufacture with FAT (3 months) & Delivery(1 month) of Exhaust Gas Treatment System	124	10-Apr-26	10-Aug-26	10-Jul-26	10-Nov-26	-169	0%
S3-SDB-MD-1160	Manufacture with FAT (6 months) & Delivery(1 month) of Steam Boiler System	214	25-Mar-26	25-Dec-26	15-Jul-26	13-Feb-27	-283	0%
S3-SDB-MD-1170	Manufacture with FAT (6 months) & Delivery(1 month) of Polyelectrolyte Preparation,Mixing,Transfer,Storage & Dosing Sys	216	10-Apr-26	10-Aug-26	10-Jul-26*	10-Feb-27	-264	0%
S3-SDB-MD-1180	Manufacture with FAT (6 months) & Delivery(1 month) of Deodorisation System	105	09-Feb-26	08-Sep-26	29-Dec-25 A	13-Sep-26	-201	53.95%
S3-SDB-MD-1185	Manufacture with FAT (2 months) & Delivery(1 month) of Air Purification System	93	10-Jun-26	10-Sep-26	22-Jul-26	22-Oct-26	-240	0%
S3-SDB-MD-1190	Manufacture with FAT (120 days) & Delivery(30 days) of Emergency Generator System	154	29-Apr-26	27-Sep-26	01-Jun-26*	01-Nov-26	-282	0%
S3-SDB-MD-1200	Manufacture of LVSB	94	28-Apr-26	28-Sep-26	01-Jun-26*	02-Sep-26	-206	0%
S3-SDB-MD-1210	FAT for LVSB	30	30-Aug-26	28-Sep-26	04-Aug-26	02-Sep-26	-190	0%
S3-SDB-MD-1260	Manufacture of SCADA System	185	20-May-26	20-Nov-26	20-Jul-26*	20-Jan-27	-287	0%
S3-SDB-MD-1290	Manufacture with FAT (7 months) & Delivery(1 month) of Off Gas Condenser System	37	01-Nov-25	02-Jul-26	06-Oct-25 A	07-Jul-26	-62	84.84%
S3-SDB-MD-1300	Manufacture with FAT (5 months) & Delivery(1 month) of Sludge Conveyors	185	15-Mar-26	15-Sep-26	01-Jul-26	01-Jan-27	-193	0%
S3-SDB-MD-1310	Manufacture with FAT (5 months) & Delivery(1 month) of Valves and Actuator (DI)	185	10-Apr-26	08-Oct-26	20-Jul-26*	20-Jan-27	-248	0%
S3-SDB-MD-1315	Manufacture with FAT (5 months) & Delivery(1 month) of Valves and Actuator (SS)	185	10-Apr-26	08-Oct-26	20-Jul-26	20-Jan-27	-248	0%
S3-SDB-MD-1330	Manufacture with FAT (4 months) & Delivery(1 month) of instrumentation	154	13-Mar-26	10-Sep-26	10-Aug-26	10-Jan-27	-238	0%



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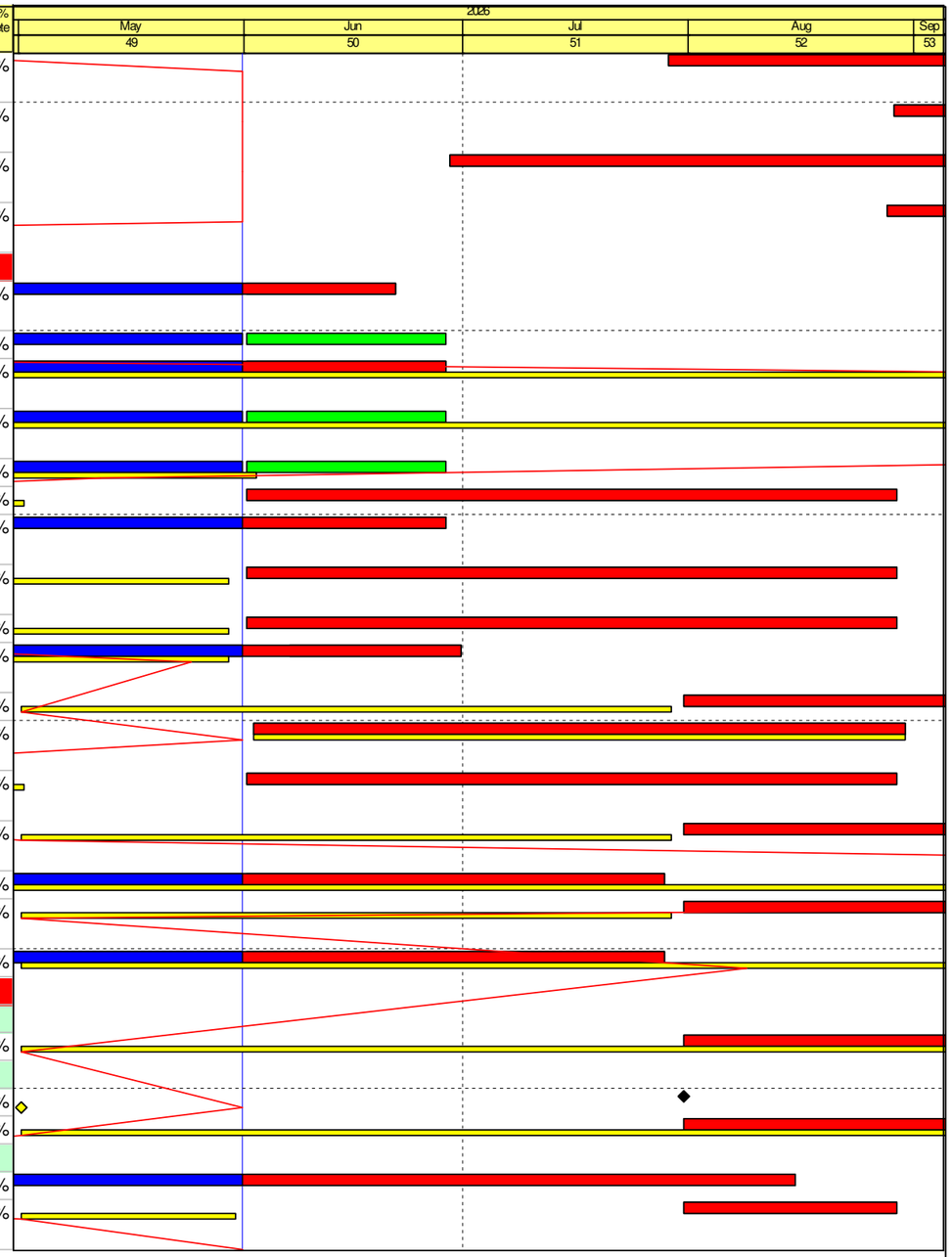
S3-SDB-MD-1340	Manufacture with FAT (4 months) & Delivery(1 month) of Gas train and Lubrication oil tank	154			29-Jul-26*	29-Dec-26	-239	0%
S3-SDB-MD-1350	Manufacture with FAT (3 months) & Delivery(1 month) of Intake Fan, Exhaust Gas Silencer and Main Heat Exchanger	123			29-Aug-26*	29-Dec-26	-239	0%
S3-SDB-MD-1360	Manufacture with FAT (5 months) & Delivery(1 month) of Water Pump, Exhaust Heat Exchanger & Dump Radiator	184			29-Jun-26*	29-Dec-26	-239	0%
S3-SDB-MD-1400	Manufacture with FAT (3 months) & Delivery(1 month) of Acoustic Enclosure	123			28-Aug-26*	28-Dec-26	-238	0%
Interfacing Works								
S3-SDB-IFW-1000	Interface Works with Other Contract (including: Slab / Wall openings, Concrete Plinths, Cast-in Item, etc)	21	22-Jun-23	18-Jul-24	01-Feb-25 A	21-Jun-26	-227	95.85%
S3-SDB-IFW-1010	Design submission with Interface Works on Plant Services Water	28	01-Jun-25	06-Dec-25	24-Aug-25 A	28-Jun-26	14	90.94%
S3-SDB-IFW-1020	Design Submission with Interface Works on Biogas Pipes & Hot Water Pipes Connections	28	12-Dec-25	17-Dec-26	25-Apr-25 A	28-Jun-26	-101	93.49%
S3-SDB-IFW-1030	Design Submission with Interface Works on Digested Sludge Pipes Connection	28	01-May-25	15-Aug-27	15-Jan-24 A	28-Jun-26	25	96.88%
S3-SDB-IFW-1040	Design Submission with Interface Works on Process Water Treatment	28	01-May-25	02-Jun-26	29-Jan-25 A	28-Jun-26	14	94.57%
S3-SDB-IFW-1060	Design Submission with Interface Works on Centrate & Filtrate Pipes	90	01-Feb-26	01-May-26	01-Jun-26	29-Aug-26	-250	0%
S3-SDB-IFW-1080	Design Submission with Interface Works on Digested Sludge Holding Tank Drain Pipe	28	01-Aug-24	05-Feb-25	24-Aug-25 A	28-Jun-26	-62	90.94%
S3-SDB-IFW-1090	Design Submission with Interface Works on Provisions in LV Switchroom at SDB	90	01-Mar-26	29-May-26	01-Jun-26	29-Aug-26	-251	0%
S3-SDB-IFW-1100	Design Submission with Interface Works on PQEMS	90	01-Mar-26	29-May-26	01-Jun-26	29-Aug-26	-251	0%
S3-SDB-IFW-1110	Design Submission with Interface Works on Cable Routing between SDB & ADB(LV)	24	01-Mar-26	29-May-26	09-May-25 A	30-Jun-26	-191	94.26%
S3-SDB-IFW-1130	Design Submission with Interface Works on SCADA System / CMMS.	90	01-May-26	29-Jul-26	31-Jul-26	28-Oct-26	-311	0%
S3-SDB-IFW-1140	Design Submission with Interface Works on CCTV, Access Control Security System	90	02-Jun-26	30-Aug-26	02-Jun-26	30-Aug-26	-208	0%
S3-SDB-IFW-1150	Design Submission with Interface Works on Shared Fresh Air intake for SDB loading & unloading level	90	01-Feb-26	01-May-26	01-Jun-26	29-Aug-26	-215	0%
S3-SDB-IFW-1160	Design Submission with Interface Works on Sprinkler Water, Fire Hydrant & Hose Reel Water Main.	90	01-May-26	29-Jul-26	31-Jul-26	28-Oct-26	-275	0%
S3-SDB-IFW-1170	Design Submission with Interface Works on Emergency Generator Set	58	02-Jun-25	25-Aug-27	06-Feb-24 A	28-Jul-26	-298	93.58%
S3-SDB-IFW-1180	Design Submission with Interface Works on Connection between Local Fire Alarm Indication, local & master control panel	90	01-May-26	29-Jul-26	31-Jul-26	28-Oct-26	-294	0%
S3-SDB-IFW-1190	Design Submission with Interface Works on Plumbing & Drainage	58	01-May-26	12-Sep-26	17-Dec-25 A	28-Jul-26	-112	74.11%
Statutory Submission, Inspection & Approval								
Environmental Protection Department								
S3-SDB-SS-1070	EPD Submission & Approval for Air Pollution Control	120	01-May-26	27-Sep-26	31-Jul-26	27-Nov-26	-308	0%
Fire Services Department								
S3-SDB-SS-1150	Application of D.G. Licence	0	01-May-26		31-Jul-26		-308	0%
S3-SDB-SS-1160	Processing of D.G. Licence Application	120	01-May-26	27-Oct-26	31-Jul-26	27-Nov-26	-308	0%
Electrical and Mechanical Services Department								
S3-SDB-SS-1200	BEEO Stage one: Submit EE1 & EE-SU to EMSD	76	01-Nov-25	02-Mar-26	17-Oct-25 A	15-Aug-26	-282	74.92%
S3-SDB-SS-1220	Application for Construction Approval of Notifiable Gas Installation (Form 104)	30	01-May-26	30-May-26	31-Jul-26	29-Aug-26	-104	0%



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Based on DE/2020/01 Revised Programme Rev.39			
Date	Revision	Checked	Approved
28-Feb-26	Rev.43	IM	JM
31-Mar-26	Rev.44	IM	JM
30-Apr-26	Rev.45	IM	JM
31-May-26	Rev.46	IM	JM

Appendix B
Project Organization Chart

LEGEND:

LINE OF COMMUNICATION

EPD

PROJECT PROPONENT

ENGINEER'S REPRESENTATIVE

INDEPENDENT ENVIRONMENTAL CHECKER

CONTRACTOR

ENVIRONMENTAL TEAM

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
階段

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.:	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**

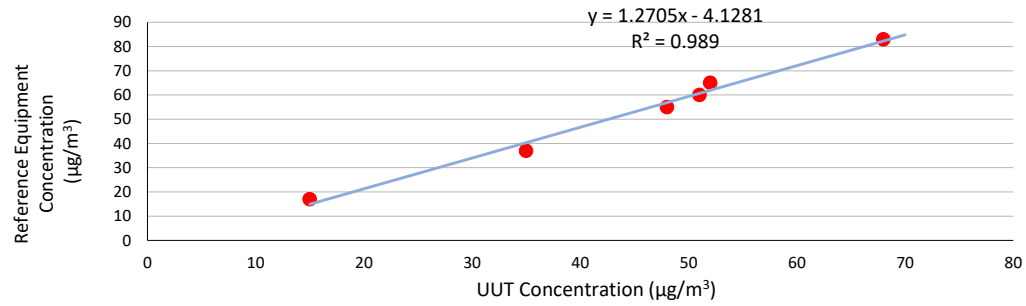
Verification Test Result: Strong Correlation, Results were accepted.

* 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

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.:	882109	Report Reference No.:	RPT-25-HVS-019-26
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	71	83
2	64	65
3	54	55
4	58	60
5	26	37
6	16	17
Average	48	53

Linear Regression of Y on X

Slope, mv: **1.0162** Intercept: **3.8866** *Correlation Coefficient: **0.9731**

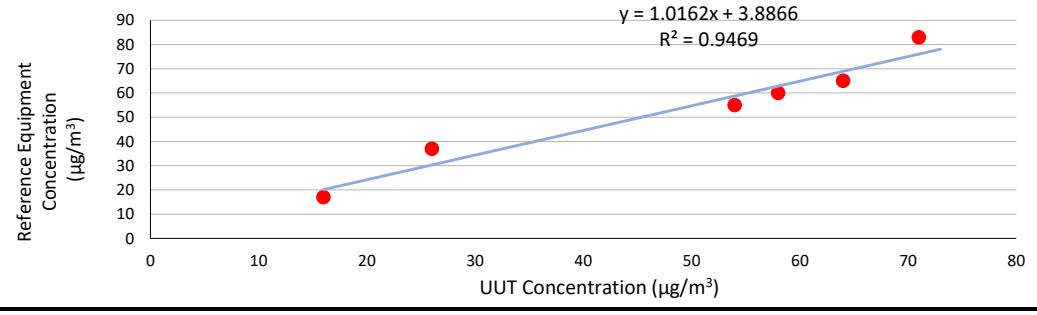
Verification Test Result: Strong Correlation, Results were accepted.

* 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):	48
Measuring Time, (min):	60
K Factor = High Volume Sampler / UUT, (µg/m^3):	1.10

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.:	851819	Report Reference No.:	RPT-25-HVS-022-26
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	75	83
2	48	65
3	39	55
4	43	60
5	30	37
6	11	17
Average	41	53

Linear Regression of Y on X

Slope, mv: **1.0609** Intercept: **9.3374** *Correlation Coefficient: **0.9743**

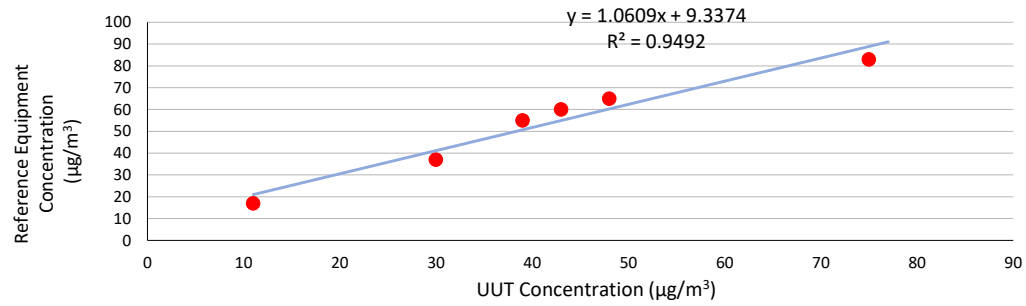
Verification Test Result: Strong Correlation, Results were accepted.

* 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):	41
Measuring Time, (min):	60
K Factor = High Volume Sampler / UUT, (µg/m^3):	1.29

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:	***Lutron***
Type No.:	***SL-4033SD (Serial No.: I. 491835)***

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 – 2kHz)**
☐ **Outside**

the allowable tolerance.

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

Date of receipt: 6 August 2025

Date of calibration: 7 August 2025

Date of NEXT calibration: 6 August 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: **7 August 2025**

Certificate No.: APJ25-046-CC003

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

1. *Calibration Precaution:*

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

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

2. *Calibration Conditions:*

Air Temperature: 25.8 °C
Air Pressure: 1006 hPa
Relative Humidity: 58.9 %

3. *Calibration Equipment:*

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

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
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		113.8	±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

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	55.4	-39.4 ±2.0
				63	68.4	-26.2 ±1.5
				125	78.2	-16.1 ±1.5
				250	85.6	-8.6 ±1.4
				500	91.0	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.5	+1.2 ±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	92.1	-3.0 ±2.0
				63	94.5	-0.8 ±1.5
				125	95.2	-0.2 ±1.5
				250	95.2	-0.0 ±1.4
				500	94.7	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.5	-0.2 ±1.6

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

5. *Calibration Results Applied*

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

Uncertainties of Applied Value:

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

The uncertainties are evaluated for a 95% confidence level.

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

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

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***Lutron***
Type No.:	***SL-4033SD (Serial No.: I.571098)***

Submitted by:

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

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

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

the allowable tolerance.

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

Date of receipt: 6 August 2025

Date of calibration: 7 August 2025

Date of NEXT calibration: 6 August 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 7 August 2025

Certificate No.: APJ25-046-CC004

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:	58.9 %

3. *Calibration Equipment:*

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

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
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		113.8	±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

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	53.5	-39.4 ±2.0
				63	67.2	-26.2 ±1.5
				125	77.7	-16.1 ±1.5
				250	85.5	-8.6 ±1.4
				500	90.9	-3.2 ±1.4
				1000	94.0	Ref
				2000	95.0	+1.2 ±1.6
				4000	93.7	+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	92.1	-3.0 ±2.0
				63	94.5	-0.8 ±1.5
				125	95.2	-0.2 ±1.5
				250	95.2	-0.0 ±1.4
				500	94.7	-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	± 0.05
	250 Hz	± 0.10
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

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

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

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***Lutron***
Type No.:	***SL-4033SD (Serial No.: I.518013)***

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 (31.5 Hz to 4k Hz)**
☐ **Outside**

the allowable tolerance.

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

Date of receipt: 11 September 2025

Date of calibration: 12 September 2025

Date of NEXT calibration: 11 September 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 12 September 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 Precaution:*

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

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

2. *Calibration Conditions:*

Air Temperature:	24.7 °C
Air Pressure:	1006 hPa
Relative Humidity:	62.6 %

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,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
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,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
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

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA SPL	Fast	94	31.5	54.1	-39.4 ±2.0
				63	67.6	-26.2 ±1.5
				125	77.6	-16.1 ±1.5
				250	85.2	-8.6 ±1.4
				500	90.8	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.7	+1.2 ±1.6
				4000	93.5	+1.0 ±1.6

5. *Calibration Results Applied*

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

Uncertainties of Applied Value:

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

The uncertainties are evaluated for a 95% confidence level.

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

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

Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***34524163***

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: 23 July 2025

Date of calibration: 24 July 2025

Date of NEXT calibration: 23 July 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 24 July 2025

Certificate No.: APJ25-045-CC004

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:	67.2 %

4. *Calibration Equipment:*

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

5. *Calibration Results*

5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	93.8

6. *Calibration Results Applied*

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 60942 Class 1.

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.:	***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

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

Water Quality Monitoring Equipment

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BF050099
Date of Issue : 14 May 2026

PART A - CUSTOMER INFORMATION

Aurecon Hong Kong Limited
Unit 1608, 16/F, Tower B, Manulife Fin. Centre 223 - 231 Wai Yip Street, Kwun Tong, Kowloon (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS Multi Parameters
Manufacturer :	YSI
Serial Number :	22C106561
Date of Received :	09 March 2026
Date of Calibration :	10 March 2026
Date of Next Calibration :	09 June 2026
Request No. :	D-BF050099

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
pH value	APHA 21e 4500-H^+ B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure
Salinity	APHA 23e 2520 B (Electrical Conductivity Method)
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Turbidity	APHA 21e 2130 B (Nephelometric Method)
Conductivity	APHA 21e 2510 B

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance (pH unit)	Result
4.00	4.03	0.03	Satisfactory
7.42	7.46	0.04	Satisfactory
10.01	10.03	0.02	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance (°C)	Result
34.9	34.4	-0.5	Satisfactory
19.9	19.8	-0.1	Satisfactory
11.8	11.1	-0.7	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	10.02	0.20	Satisfactory
20	20.04	0.20	Satisfactory
30	29.94	-0.20	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (%)

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

(LEE Ngo-fung)
Senior Chemist

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BF050099
Date of Issue : 14 May 2026

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance (mg/L)	Result
8.43	8.47	0.04	Satisfactory
5.79	5.32	-0.47	Satisfactory
3.40	3.01	-0.39	Satisfactory
0.05	0.47	0.42	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance [a] (%)	Result
0	0.75	-	Satisfactory
10	10.16	1.6	Satisfactory
20	20.59	3.0	Satisfactory
100	100.60	0.6	Satisfactory
800	736.16	-8.0	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

(6) Conductivity

Expected Reading (µS/cm at 25°C)	Display Reading (µS/cm at 25°C)	Tolerance (%)	Result
146.9	144.9	-1.4	Satisfactory
1412	1412	0	Satisfactory
12890	12320	-4.4	Satisfactory
58670	56529	-3.6	Satisfactory
111900	110380	-1.4	Satisfactory

Tolerance of Conductivity should be less than ± 10.0 (%)

[a] For 0 NTU, Display Reading should be less than 1 NTU

Remark(s)

·The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.

·The results relate only to the calibrated equipment as received

·The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

·"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.

·The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.

--- END OF REPORT ---

Appendix E
Environmental Monitoring Schedule

Appendix F
Environmental Monitoring Results

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

Environmental Monitoring Schedule (May 2026)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
					1	2 **WQM** Mid Flood (16:00) Mid Ebb (11:30)
3	4 **AQM, NM**	5 **WQM, ANRM** Mid Flood (08:30) Mid Ebb (13:30)	6	7 **WQM, EMB (Day)** Mid Flood (09:30) Mid Ebb (14:30)	8	9 **WQM, AQM** Mid Flood (09:00) Mid Ebb (15:30)
10	11	12 **WQM** Mid Flood (10:40) Mid Ebb (17:00)	13	14 **WQM** Mid Flood (12:30) Mid Ebb (18:03)	15 **AQM, NM**	16 **WQM** Mid Flood (16:00) Mid Ebb (12:30)
17	18	19 **WQM** Mid Flood (10:40) Mid Ebb (17:00)	29	21 **WQM, AQM, NM** Mid Flood (08:30) Mid Ebb (14:03)	22	23 **WQM** Mid Flood (09:00) Mid Ebb (15:00)
24	25	26 **WQM** Mid Flood (09:50) Mid Ebb (16:03)	27 **AQM, NM**	28 **WQM** Mid Flood (10:40) Mid Ebb (17:00)	29	30 **WQM** Mid Flood (10:40) Mid Ebb (17:00)
31						

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 01/2025Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Environmental Monitoring Schedule (June 2026)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
	1	2 **WQM, AQM, NM** Mid Flood (12:45) Mid Ebb (09:20)	3	4 **WQM** Mid Flood (12:45) Mid Ebb (09:20)	5 **EMB** (Day)	6 **WQM** Mid Flood (12:45) Mid Ebb (09:20)
7	8 **AQM, NM**	9 **WQM** Mid Flood (18:00) Mid Ebb (12:39)	10	11 **WQM** Mid Flood (18:00) Mid Ebb (12:39)	12	13 **WQM, AQM** Mid Flood (08:30) Mid Ebb (14:03)
14	15	16 **WQM, EMB** (Night), **ANRM** Mid Flood (09:18) Mid Ebb (15:51)	17	18 **WQM, AQM, NM** Mid Flood (18:00) Mid Ebb (12:39)	19	20 **WQM** Mid Flood (12:45) Mid Ebb (09:20)
21	22	23 **WQM** Mid Flood (18:25) Mid Ebb (10:15)	24 **AQM, NM**	25 **WQM** Mid Flood (17:36) Mid Ebb (12:27)	26	27 **WQM** Mid Flood (08:59) Mid Ebb (13:57)
28	29	30 **WQM, AQM, NM** Mid Flood (09:04) Mid Ebb (15:31)				

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 (July 2026)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
			1	2 **WQM** Mid Flood (12:45) Mid Ebb (09:20)	3	4 **WQM** Mid Flood (12:45) Mid Ebb (09:20)
5	6 **AQM, NM**	7 **WQM** Mid Flood (18:00) Mid Ebb (12:39)	8	9 **WQM** Mid Flood (18:00) Mid Ebb (12:39)	10	11 **WQM, AQM** Mid Flood (08:30) Mid Ebb (14:03)
12	13	14 **WQM** Mid Flood (09:18) Mid Ebb (15:51)	15	16 **WQM** Mid Flood (18:00) Mid Ebb (12:39)	17 **AQM, NM**	18 **WQM** Mid Flood (12:45) Mid Ebb (09:20)
19	20	21 **WQM** Mid Flood (18:25) Mid Ebb (10:15)	22 **ANRM, EMB** (Day), **EMB** (Night)	23 **WQM, AQM, NM** Mid Flood (17:36) Mid Ebb (12:27)	24	25 **WQM** Mid Flood (08:59) Mid Ebb (13:57)
26	27	28 **WQM** Mid Flood (09:04) Mid Ebb (15:31)	29 **AQM, NM**	30 **WQM** Mid Flood (17:01) Mid Ebb (09:30)	31	

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 (August 2026)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
						1 **WQM** Mid Flood (16:00) Mid Ebb (11:30)
2	3	4 **WQM, ANRM, AQM, NM** Mid Flood (08:30) Mid Ebb (13:30)	5	6 **WQM, EMB (Day)** Mid Flood (09:30) Mid Ebb (14:30)	7	8 **WQM** Mid Flood (09:00) Mid Ebb (15:30)
9	10 **AQM, NM**	11 **WQM** Mid Flood (10:40) Mid Ebb (17:00)	12	13 **WQM** Mid Flood (12:30) Mid Ebb (18:03)	14	15 **WQM, AQM** Mid Flood (16:00) Mid Ebb (12:30)
16	17	18 **WQM** Mid Flood (10:40) Mid Ebb (17:00)	19	20 **WQM** Mid Flood (08:30) Mid Ebb (14:03)	21 **AQM, NM**	22 **WQM** Mid Flood (09:00) Mid Ebb (15:00)
23	24	25 **WQM** Mid Flood (09:50) Mid Ebb (16:03)	26	27 **WQM, AQM, NM** Mid Flood (10:40) Mid Ebb (17:00)	28	29 **WQM** Mid Flood (10:40) Mid Ebb (17:00)
30	31					

Remarks:

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

Air Quality Monitoring Results

1-hour TSP Monitoring Result for

Contract No. SPW 01/2025

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

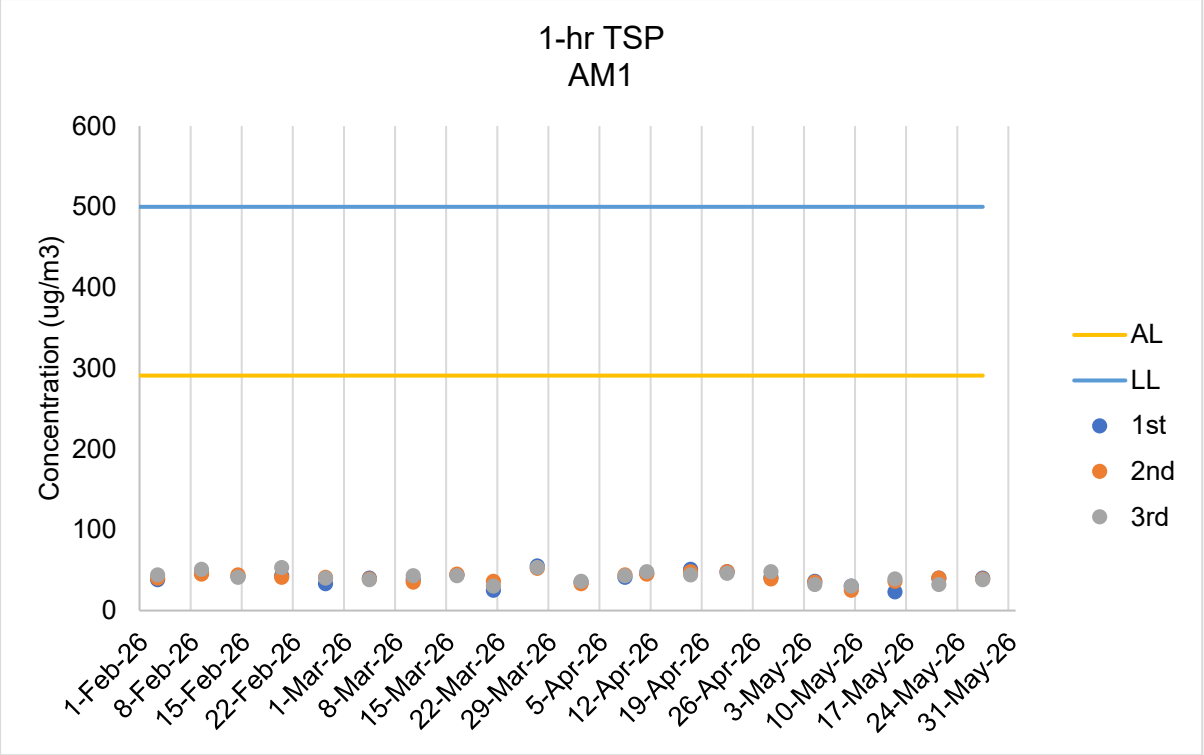
AM1 - Topfine Machinery (China) Co. Ltd.

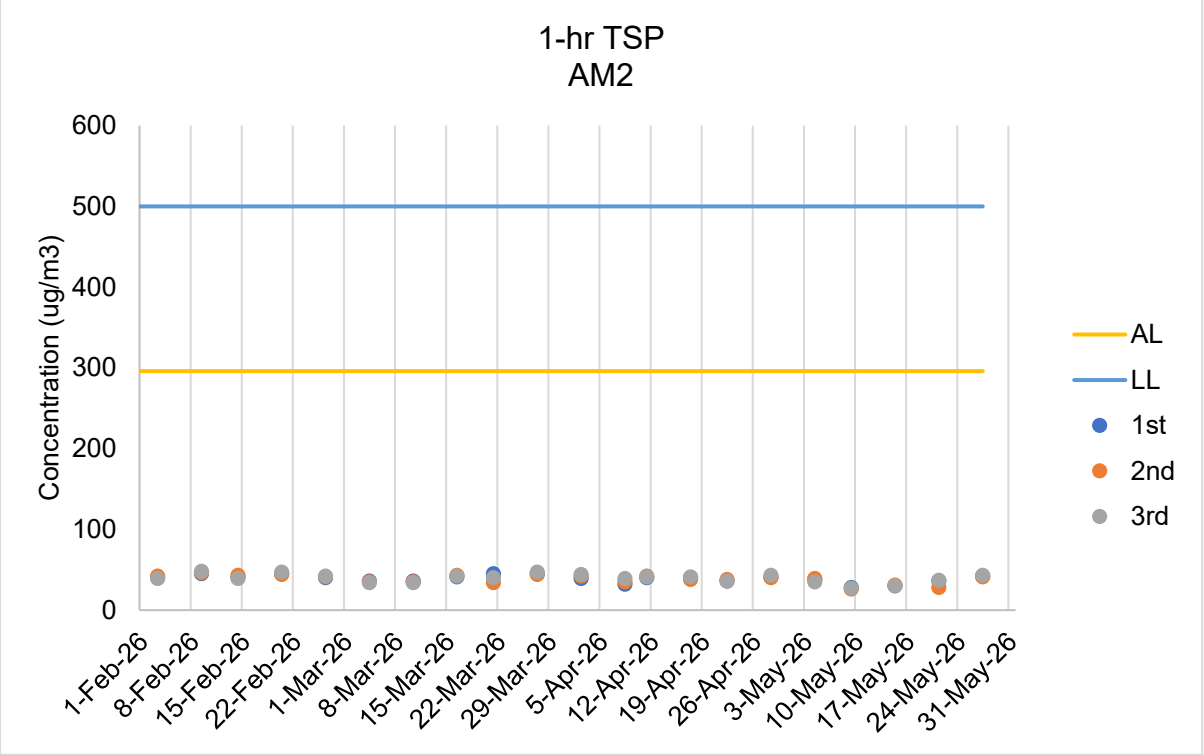
Date	Weather Condition	Start Time	1-hour TSP (μg/m³) 1st Measurement	2nd Measurement	3rd Measurement	Action Level (ug/m^3)	Limit Level (ug/m^3)
4/5/2026	Fine	8:10	36	35	32	291	500
9/5/2026	Fine	8:34	20	25	30		
15/5/2026	Fine	8:11	23	36	39		
21/5/2026	Fine	8:45	40	40	32		
27/5/2026	Fine	9:00	40	39	38		
		Min	20				
		Max	40				
		Average	34				

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)
4/5/2026	Fine	14:01	38	39	35	296	500
9/5/2026	Fine	13:55	28	26	27		
15/5/2026	Fine	13:25	30	31	30		
21/5/2026	Fine	13:00	36	38	37		
27/5/2026	Fine	14:00	42	41	43		
		Min	26				
		Max	43				
		Average	35				

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)
4/5/2026	9:30	56.5	57.9	53.6	0.6	Fine	75
15/5/2026	9:32	54.5	56.9	52.3	0.3	Fine	75
21/5/2026	10:03	56.6	58.3	54.5	0.0	Fine	75
27/5/2026	10:18	57.5	59.6	55.6	0.3	Fine	75
	Max	57.5					
	Min	54.5					

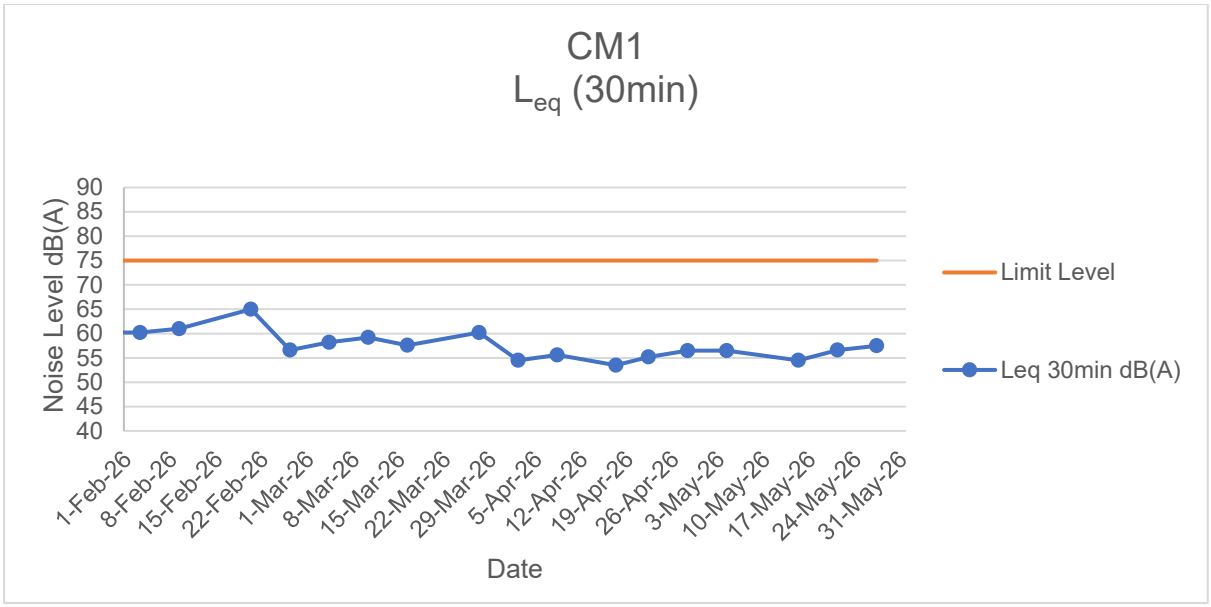
CM2 - Squatter house to the west of YLSTW

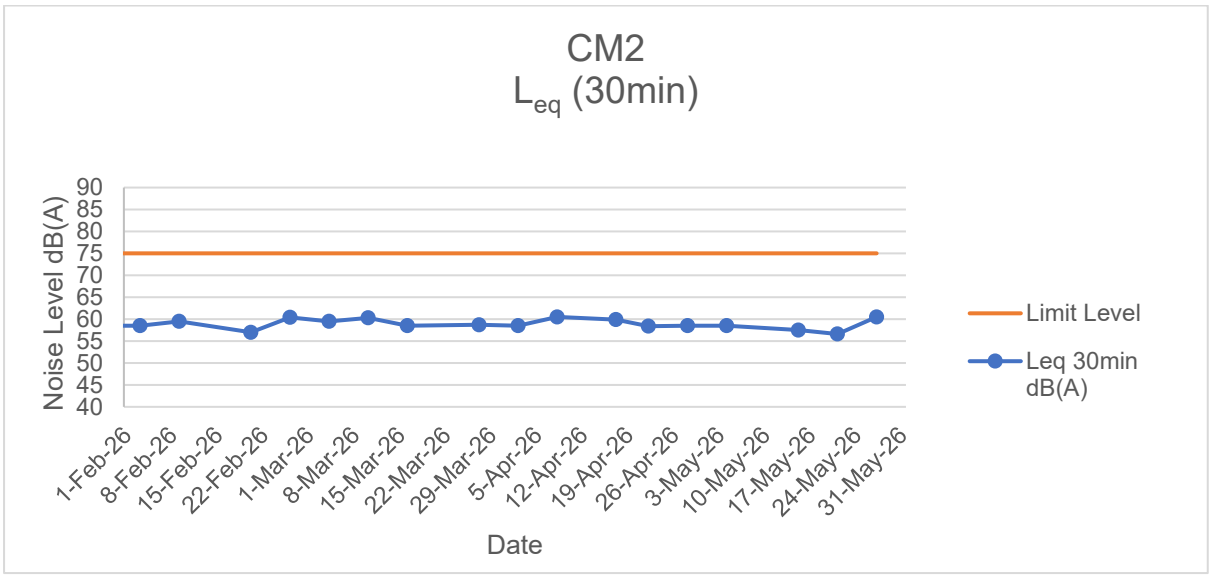
Date	Start Time	L_{eq} 30min dB(A)	L_{10} dB(A)	L_{90} dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
4/5/2026	8:18	58.5	60.1	56.5	0.3	Fine	75
15/5/2026	8:20	57.5	58.5	55.5	1.1	Fine	75
21/5/2026	8:52	56.6	57.6	54.8	0.3	Fine	75
27/5/2026	9:06	60.5	62.8	58.5	1.9	Fine	75
	Max	60.5					
	Min	56.6					

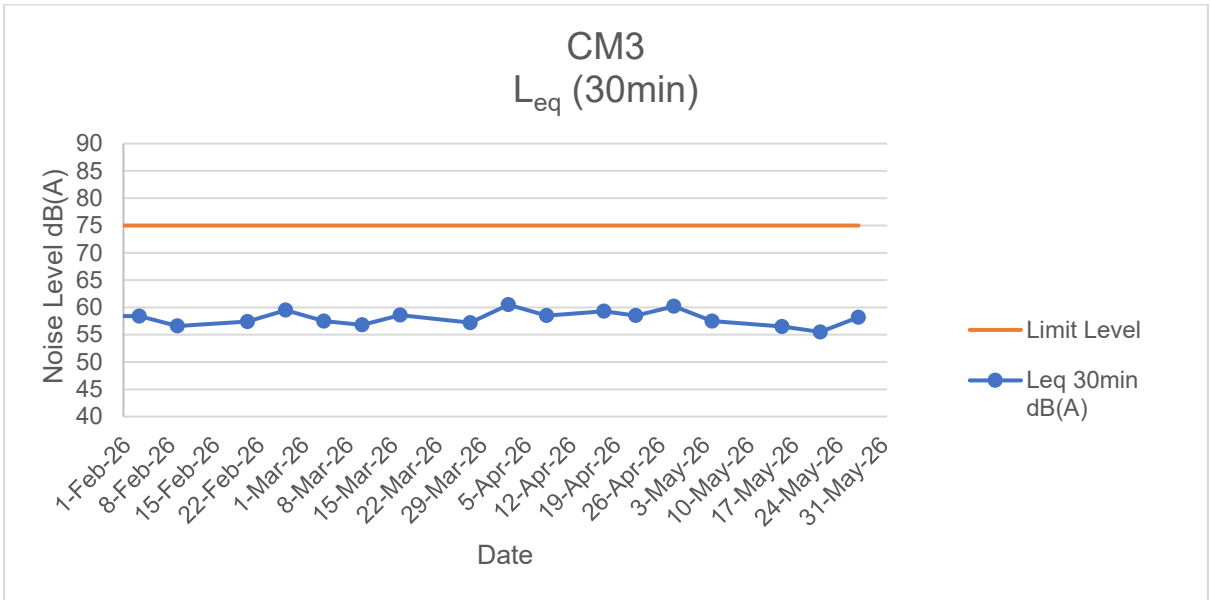
CM3 - Squatter house to the east of YLSTW

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)
4/5/2026	10:37	57.5	59.5	55.9	1.4	Fine	75
15/5/2026	10:41	56.5	58.4	56.7	1.9	Fine	75
21/5/2026	11:07	55.5	56.9	53.2	0.0	Fine	75
27/5/2026	11:28	58.2	60.2	56.7	1.7	Fine	75
	Max	58.2					
	Min	55.5					

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 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	2/5/2026	Mid-Flood	Cloudy	Low	8:43	2.5	M	1.25	1	0.09	171.549	7.15	7.16	3.03	3.00	23.1	23.10	39.5	39.05	2.88	2.85	18.99	18.875	13	13
M1	2/5/2026	Mid-Flood	Cloudy	Low	8:43	2.5	M	1.25	2			7.17		2.96		23.1		38.6		2.82		18.76		13	
M2	2/5/2026	Mid-Flood	Cloudy	Low	9:08	2.3	M	1.15	1	0.086	165.378	7.15	7.15	2.95	2.97	23.1	23.10	40.0	39.45	2.92	2.88	20.03	19.86	13	13
M2	2/5/2026	Mid-Flood	Cloudy	Low	9:08	2.3	M	1.15	2			7.14		2.98		23.1		38.9		2.84		19.69		12	
M3	2/5/2026	Mid-Flood	Cloudy	Low	9:21	2	M	1.00	1	0.086	169.731	7.18	7.18	3.66	3.62	23.1	23.15	51.6	52.25	3.77	3.82	33.06	32.93	13	13
M3	2/5/2026	Mid-Flood	Cloudy	Low	9:21	2	M	1.00	2			7.17		3.58		23.2		52.9		3.86		32.80		13	
M1	2/5/2026	Mid-Ebb	Cloudy	Low	13:56	2.4	M	1.20	1	0.071	337.223	7.14	7.14	2.98	2.97	23.5	23.55	38.2	38.00	2.79	2.78	19.11	19.01	14	14
M1	2/5/2026	Mid-Ebb	Cloudy	Low	13:56	2.4	M	1.20	2			7.13		2.96		23.6		37.8		2.76		18.91		14	
M2	2/5/2026	Mid-Ebb	Cloudy	Low	13:31	2.2	M	1.10	1	0.07	344.524	7.15	7.16	3.06	3.03	23.5	23.50	39.9	39.70	2.91	2.90	21.56	21.34	19	26
M2	2/5/2026	Mid-Ebb	Cloudy	Low	13:31	2.2	M	1.10	2			7.16		2.99		23.5		39.5		2.88		21.12		33	
M3	2/5/2026	Mid-Ebb	Cloudy	Low	14:21	2	M	1.00	1	0.071	326.136	7.18	7.17	3.78	3.82	23.5	23.50	52.1	51.20	3.8	3.74	35.24	35.09	21	20
M3	2/5/2026	Mid-Ebb	Cloudy	Low	14:21	2	M	1.00	2			7.16		3.86		23.5		50.3		3.67		34.94		19	

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 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	5/5/2026	Mid-Flood	Cloudy	Low	9:27	2.4	M	1.20	1	0.077	161.387	7.08	7.08	3.12	3.08	20.6	20.60	41.2	40.20	3.01	2.94	22.69	22.835	47	48
M1	5/5/2026	Mid-Flood	Cloudy	Low	9:27	2.4	M	1.20	2			7.08		3.03		20.6		39.2		2.86		22.98		49	
M2	5/5/2026	Mid-Flood	Cloudy	Low	9:52	2.2	M	1.10	1	0.095	170.628	7.09	7.08	3.28	3.29	20.6	20.60	42.3	43.05	3.09	3.15	24.10	24.01	53	55
M2	5/5/2026	Mid-Flood	Cloudy	Low	9:52	2.2	M	1.10	2			7.07		3.29		20.6		43.8		3.2		23.92		56	
M3	5/5/2026	Mid-Flood	Cloudy	Low	10:11	1.9	M	0.95	1	0.087	172.107	7.15	7.14	3.49	3.48	20.6	20.60	54.5	55.05	3.98	4.02	39.30	39.135	54	53
M3	5/5/2026	Mid-Flood	Cloudy	Low	10:11	1.9	M	0.95	2			7.13		3.47		20.6		55.6		4.06		38.97		52	
M1	5/5/2026	Mid-Ebb	Cloudy	Low	14:58	2.4	M	1.20	1	0.072	310.702	7.09	7.10	3.33	3.35	20.5	20.55	41.0	40.35	2.99	2.95	20.77	20.745	52	52
M1	5/5/2026	Mid-Ebb	Cloudy	Low	14:58	2.4	M	1.20	2			7.11		3.36		20.6		39.7		2.9		20.72		52	
M2	5/5/2026	Mid-Ebb	Cloudy	Low	14:36	2.1	M	1.05	1	0.07	324.452	7.11	7.11	3.15	3.12	20.5	20.50	43.2	43.95	3.15	3.21	22.09	21.925	53	53
M2	5/5/2026	Mid-Ebb	Cloudy	Low	14:36	2.1	M	1.05	2			7.1		3.08		20.5		44.7		3.26		21.76		53	
M3	5/5/2026	Mid-Ebb	Cloudy	Low	15:03	1.8	M	0.90	1	0.072	311.428	7.15	7.15	3.65	3.66	20.5	20.55	53.2	52.75	3.88	3.85	35.32	35.24	53	53
M3	5/5/2026	Mid-Ebb	Cloudy	Low	15:03	1.8	M	0.90	2			7.14		3.66		20.6		52.3		3.82		35.16		53	

Remark

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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	63.6	68.9

Contract No. SPW 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	7/5/2026	Mid-Flood	Cloudy	Low	8:59	2.5	M	1.25	1	0.091	169.06	7.05	7.05	2.85	2.83	25.6	25.65	38.5	39.10	2.81	2.86	16.21	16.14	52	50
M1	7/5/2026	Mid-Flood	Cloudy	Low	8:59	2.5	M	1.25	2			7.05		2.81		25.7		39.7		2.9		16.07		47	
M2	7/5/2026	Mid-Flood	Cloudy	Low	9:24	2.3	M	1.15	1	0.076	183.913	7.06	7.07	2.99	2.98	25.6	25.60	40.4	40.00	2.95	2.92	15.55	15.715	47	48
M2	7/5/2026	Mid-Flood	Cloudy	Low	9:24	2.3	M	1.15	2			7.08		2.97		25.6		39.6		2.89		15.88		49	
M3	7/5/2026	Mid-Flood	Cloudy	Low	9:42	2	M	1.00	1	0.094	167.259	7.09	7.10	3.52	3.55	25.6	25.65	55.5	54.60	4.05	3.99	24.85	24.855	49	49
M3	7/5/2026	Mid-Flood	Cloudy	Low	9:42	2	M	1.00	2			7.1		3.58		25.7		53.7		3.92		24.86		48	
M1	7/5/2026	Mid-Ebb	Cloudy	Low	16:59	2.4	M	1.20	1	0.067	325.043	7.06	7.07	2.98	3.00	25.4	25.45	41.0	41.75	2.99	3.05	15.13	15.31	49	48
M1	7/5/2026	Mid-Ebb	Cloudy	Low	16:59	2.4	M	1.20	2			7.08		3.02		25.5		42.5		3.1		15.49		46	
M2	7/5/2026	Mid-Ebb	Cloudy	Low	16:34	2.2	M	1.10	1	0.062	315.64	7.08	7.07	2.99	3.04	25.4	25.40	41.8	42.00	3.05	3.07	15.99	15.775	50	49
M2	7/5/2026	Mid-Ebb	Cloudy	Low	16:34	2.2	M	1.10	2			7.06		3.08		25.4		42.2		3.08		15.56		48	
M3	7/5/2026	Mid-Ebb	Cloudy	Low	17:13	2	M	1.00	1	0.069	306.558	7.11	7.12	3.65	3.62	25.4	25.40	52.6	52.45	3.84	3.83	22.69	22.67	46	47
M3	7/5/2026	Mid-Ebb	Cloudy	Low	17:13	2	M	1.00	2			7.12		3.58		25.4		52.3		3.82		22.65		48	

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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 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	9/5/2026	Mid-Flood	Sunny	Low	8:05	2.5	M	1.25	1	0.091	171.622	7.12	7.12	2.93	2.93	25.5	25.55	38.6	39.05	2.82	2.85	22.29	22.44	49	47
M1	9/5/2026	Mid-Flood	Sunny	Low	8:05	2.5	M	1.25	2			7.11		2.92		25.6		39.5		2.88		22.59		45	
M2	9/5/2026	Mid-Flood	Sunny	Low	8:31	2.2	M	1.10	1	0.081	171.097	7.13	7.13	2.85	2.86	25.5	25.55	40.1	40.20	2.93	2.94	22.06	22.155	50	51
M2	9/5/2026	Mid-Flood	Sunny	Low	8:31	2.2	M	1.10	2			7.12		2.87		25.6		40.3		2.94		22.25		51	
M3	9/5/2026	Mid-Flood	Sunny	Low	8:49	1.9	M	0.95	1	0.073	179.652	7.14	7.14	3.25	3.25	25.5	25.50	53.2	53.05	3.88	3.87	32.47	32.43	47	47
M3	9/5/2026	Mid-Flood	Sunny	Low	8:49	1.9	M	0.95	2			7.14		3.25		25.5		52.9		3.86		32.39		47	
M1	9/5/2026	Mid-Ebb	Sunny	Low	18:36	2.3	M	1.15	1	0.06	309.282	7.11	7.11	2.82	2.85	25.3	25.30	37.5	37.25	2.74	2.72	22.48	22.285	47	47
M1	9/5/2026	Mid-Ebb	Sunny	Low	18:36	2.3	M	1.15	2			7.1		2.87		25.3		37.0		2.7		22.09		46	
M2	9/5/2026	Mid-Ebb	Sunny	Low	18:13	2.2	M	1.10	1	0.073	323.661	7.12	7.13	2.72	2.76	25.3	25.30	38.4	38.65	2.8	2.82	21.08	21.05	47	46
M2	9/5/2026	Mid-Ebb	Sunny	Low	18:13	2.2	M	1.10	2			7.13		2.8		25.3		38.9		2.84		21.02		45	
M3	9/5/2026	Mid-Ebb	Sunny	Low	18:55	2	M	1.00	1	0.062	311.466	7.14	7.14	3.44	3.46	25.3	25.35	52.1	51.95	3.8	3.79	33.19	33.365	48	48
M3	9/5/2026	Mid-Ebb	Sunny	Low	18:55	2	M	1.00	2			7.13		3.47		25.4		51.8		3.78		33.54		48	

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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 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	12/5/2026	Mid-Flood	Sunny	Low	14:12	2.5	M	1.25	1	0.089	165.236	7.16	7.17	3.97	3.99	27.1	27.15	43.7	43.10	3.19	3.15	19.69	19.475	11	13
M1	12/5/2026	Mid-Flood	Sunny	Low	14:12	2.5	M	1.25	2			7.18		4.01		27.2		42.5		3.1		19.26		14	
M2	12/5/2026	Mid-Flood	Sunny	Low	14:32	2.3	M	1.15	1	0.079	165.482	7.16	7.17	3.82	3.83	27.1	27.10	43.0	42.95	3.14	3.14	20.13	20.075	17	16
M2	12/5/2026	Mid-Flood	Sunny	Low	14:32	2.3	M	1.15	2			7.18		3.83		27.1		42.9		3.13		20.02		14	
M3	12/5/2026	Mid-Flood	Sunny	Low	15:00	2	M	1.00	1	0.077	179.889	7.22	7.23	4.44	4.41	27.1	27.15	56.3	57.00	4.11	4.16	36.11	36.28	15	15
M3	12/5/2026	Mid-Flood	Sunny	Low	15:00	2	M	1.00	2			7.23		4.38		27.2		57.7		4.21		36.45		15	
M1	12/5/2026	Mid-Ebb	Sunny	Low	9:50	2.4	M	1.20	1	0.077	304.973	7.15	7.15	3.77	3.83	26.4	26.40	40.8	40.05	2.98	2.93	20.42	20.395	14	14
M1	12/5/2026	Mid-Ebb	Sunny	Low	9:50	2.4	M	1.20	2			7.15		3.89		26.4		39.3		2.87		20.37		14	
M2	12/5/2026	Mid-Ebb	Sunny	Low	9:26	2.2	M	1.10	1	0.06	309.254	7.16	7.17	3.70	3.67	26.4	26.40	42.2	42.05	3.08	3.07	20.11	20.135	14	15
M2	12/5/2026	Mid-Ebb	Sunny	Low	9:26	2.2	M	1.10	2			7.17		3.63		26.4		41.9		3.06		20.16		16	
M3	12/5/2026	Mid-Ebb	Sunny	Low	10:03	2	M	1.00	1	0.063	310.743	7.21	7.21	4.56	4.53	26.4	26.40	55.9	56.50	4.08	4.13	35.11	34.905	11	11
M3	12/5/2026	Mid-Ebb	Sunny	Low	10:03	2	M	1.00	2			7.2		4.49		26.4		57.1		4.17		34.70		10	

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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 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	14/5/2026	Mid-Flood	Cloudy	Low	17:37	2.4	M	1.20	1	0.089	169.662	7.08	7.08	3.28	3.30	27.1	27.10	40.7	40.00	2.95	2.90	22.50	22.57	9	8
M1	14/5/2026	Mid-Flood	Cloudy	Low	17:37	2.4	M	1.20	2			7.07		3.32		27.1		39.3		2.85		22.64		7	
M2	14/5/2026	Mid-Flood	Cloudy	Low	18:02	2.2	M	1.10	1	0.082	167.188	7.09	7.09	3.35	3.31	27.1	27.15	41.3	40.45	2.99	2.93	21.78	21.57	8	9
M2	14/5/2026	Mid-Flood	Cloudy	Low	18:02	2.2	M	1.10	2			7.09		3.27		27.2		39.6		2.87		21.36		9	
M3	14/5/2026	Mid-Flood	Cloudy	Low	18:07	1.9	M	0.95	1	0.085	167	7.16	7.17	3.86	3.85	27.1	27.15	53.8	53.05	3.9	3.85	30.94	31.1	11	11
M3	14/5/2026	Mid-Flood	Cloudy	Low	18:07	1.9	M	0.95	2			7.17		3.84		27.2		52.3		3.79		31.26		11	
M1	14/5/2026	Mid-Ebb	Cloudy	Low	11:47	2.4	M	1.20	1	0.059	336.723	7.08	7.08	2.74	2.79	27.7	27.70	37.8	37.80	2.74	2.74	21.17	21.24	9	9
M1	14/5/2026	Mid-Ebb	Cloudy	Low	11:47	2.4	M	1.20	2			7.08		2.83		27.7		37.8		2.74		21.31		8	
M2	14/5/2026	Mid-Ebb	Cloudy	Low	11:22	2.1	M	1.05	1	0.076	341.59	7.09	7.10	2.71	2.73	27.7	27.70	38.2	37.50	2.77	2.72	21.92	21.74	8	8
M2	14/5/2026	Mid-Ebb	Cloudy	Low	11:22	2.1	M	1.05	2			7.1		2.74		27.7		36.8		2.67		21.56		8	
M3	14/5/2026	Mid-Ebb	Cloudy	Low	12:03	1.8	M	0.90	1	0.069	306.52	7.14	7.14	3.51	3.53	27.7	27.75	52.9	53.55	3.83	3.88	31.08	30.915	4	6
M3	14/5/2026	Mid-Ebb	Cloudy	Low	12:03	1.8	M	0.90	2			7.13		3.54		27.8		54.2		3.93		30.75		7	

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 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	16/5/2026	Mid-Flood	Cloudy	Low	8:00	2.6	M	1.30	1	0.076	183.987	7.08	7.09	3.15	3.13	25.9	25.90	40.0	40.70	2.88	2.93	21.48	21.29	11	12
M1	16/5/2026	Mid-Flood	Cloudy	Low	8:00	2.6	M	1.30	2			7.1		3.11		25.9		41.4		2.98		21.10		12	
M2	16/5/2026	Mid-Flood	Cloudy	Low	8:22	2.3	M	1.15	1	0.073	190.405	7.09	7.08	3.21	3.19	25.9	25.95	40.4	40.65	2.91	2.93	22.66	22.665	9	11
M2	16/5/2026	Mid-Flood	Cloudy	Low	8:22	2.3	M	1.15	2			7.07		3.17		26		40.9		2.94		22.67		13	
M3	16/5/2026	Mid-Flood	Cloudy	Low	8:40	2	M	1.00	1	0.083	163.798	7.15	7.16	3.69	3.69	25.9	25.95	53.5	53.85	3.85	3.88	33.57	33.745	7	7
M3	16/5/2026	Mid-Flood	Cloudy	Low	8:40	2	M	1.00	2			7.16		3.68		26		54.2		3.9		33.92		6	
M1	16/5/2026	Mid-Ebb	Cloudy	Low	13:03	2.5	M	1.25	1	0.074	331.714	7.08	7.09	3.05	3.03	26.1	26.15	39.8	38.75	2.86	2.79	22.18	22.325	4	8
M1	16/5/2026	Mid-Ebb	Cloudy	Low	13:03	2.5	M	1.25	2			7.1		3		26.2		37.7		2.71		22.47		11	
M2	16/5/2026	Mid-Ebb	Cloudy	Low	12:41	2.2	M	1.10	1	0.068	333.745	7.09	7.08	3.18	3.19	26.1	26.15	40.0	40.55	2.88	2.92	23.25	23.16	11	12
M2	16/5/2026	Mid-Ebb	Cloudy	Low	12:41	2.2	M	1.10	2			7.07		3.19		26.2		41.1		2.96		23.07		12	
M3	16/5/2026	Mid-Ebb	Cloudy	Low	13:20	2	M	1.00	1	0.068	330.207	7.17	7.18	3.94	3.94	26.1	26.10	54.8	55.55	3.94	4.00	34.55	34.7	10	11
M3	16/5/2026	Mid-Ebb	Cloudy	Low	13:20	2	M	1.00	2			7.19		3.94		26.1		56.3		4.05		34.85		11	

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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 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	19/5/2026	Mid-Flood	Sunny	Low	8:58	2.5	M	1.25	1	0.09	185.531	7.21	7.21	2.94	2.96	26.5	26.55	38.5	39.25	2.81	2.87	22.53	22.315	40	37
M1	19/5/2026	Mid-Flood	Sunny	Low	8:58	2.5	M	1.25	2			7.21		2.97		26.6		40.0		2.92		22.10		34	
M2	19/5/2026	Mid-Flood	Sunny	Low	9:21	2.2	M	1.10	1	0.087	179.68	7.23	7.24	2.93	2.91	26.5	26.50	40.1	39.70	2.93	2.90	22.74	22.56	37	42
M2	19/5/2026	Mid-Flood	Sunny	Low	9:21	2.2	M	1.10	2			7.25		2.88		26.5		39.3		2.87		22.38		47	
M3	19/5/2026	Mid-Flood	Sunny	Low	9:40	1.9	M	0.95	1	0.087	189.129	7.25	7.25	3.40	3.40	26.5	26.55	52.2	52.55	3.81	3.84	34.05	33.99	26	36
M3	19/5/2026	Mid-Flood	Sunny	Low	9:40	1.9	M	0.95	2			7.25		3.4		26.6		52.9		3.86		33.93		46	
M1	19/5/2026	Mid-Ebb	Sunny	Low	14:39	2.3	M	1.15	1	0.063	302.134	7.18	7.18	2.83	2.87	26.8	26.80	39.0	39.00	2.85	2.85	21.69	21.705	12	16
M1	19/5/2026	Mid-Ebb	Sunny	Low	14:39	2.3	M	1.15	2			7.17		2.9		26.8		39.0		2.85		21.72		19	
M2	19/5/2026	Mid-Ebb	Sunny	Low	14:16	2.2	M	1.10	1	0.08	309.936	7.19	7.20	2.75	2.71	26.8	26.85	39.6	40.20	2.89	2.94	22.01	21.995	36	43
M2	19/5/2026	Mid-Ebb	Sunny	Low	14:16	2.2	M	1.10	2			7.21		2.67		26.9		40.8		2.98		21.98		50	
M3	19/5/2026	Mid-Ebb	Sunny	Low	15:00	2	M	1.00	1	0.064	322.408	7.25	7.26	3.56	3.55	26.8	26.80	54.5	55.20	3.98	4.03	34.25	34.175	48	41
M3	19/5/2026	Mid-Ebb	Sunny	Low	15:00	2	M	1.00	2			7.27		3.53		26.8		55.9		4.08		34.10		33	

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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 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	21/5/2026	Mid-Flood	Cloudy	Low	8:59	2.6	M	1.30	1	0.078	178.738	7.13	7.14	3.00	2.96	26.6	26.60	37.1	36.45	2.71	2.66	22.05	22.205	36	41
M1	21/5/2026	Mid-Flood	Cloudy	Low	8:59	2.6	M	1.30	2			7.14		2.91		26.6		35.8		2.61		22.36		46	
M2	21/5/2026	Mid-Flood	Cloudy	Low	9:21	2.3	M	1.15	1	0.094	181.54	7.09	7.10	2.87	2.91	26.6	26.65	38.4	37.95	2.8	2.77	21.85	22.005	38	41
M2	21/5/2026	Mid-Flood	Cloudy	Low	9:21	2.3	M	1.15	2			7.1		2.95		26.7		37.5		2.74		22.16		44	
M3	21/5/2026	Mid-Flood	Cloudy	Low	9:43	2	M	1.00	1	0.082	170.594	7.15	7.15	3.28	3.33	26.6	26.65	51.8	52.05	3.78	3.80	32.69	32.79	37	36
M3	21/5/2026	Mid-Flood	Cloudy	Low	9:43	2	M	1.00	2			7.15		3.37		26.7		52.3		3.82		32.89		34	
M1	21/5/2026	Mid-Ebb	Cloudy	Low	17:02	2.5	M	1.25	1	0.076	308.665	7.13	7.14	2.73	2.73	26.4	26.45	38.8	39.40	2.83	2.88	21.79	21.87	32	37
M1	21/5/2026	Mid-Ebb	Cloudy	Low	17:02	2.5	M	1.25	2			7.14		2.72		26.5		40.0		2.92		21.95		41	
M2	21/5/2026	Mid-Ebb	Cloudy	Low	16:39	2.2	M	1.10	1	0.074	320.906	7.11	7.11	2.72	2.70	26.4	26.45	38.1	38.80	2.78	2.83	22.20	22.145	37	41
M2	21/5/2026	Mid-Ebb	Cloudy	Low	16:39	2.2	M	1.10	2			7.1		2.68		26.5		39.5		2.88		22.09		44	
M3	21/5/2026	Mid-Ebb	Cloudy	Low	17:27	2	M	1.00	1	0.078	326.061	7.16	7.15	3.50	3.47	26.4	26.40	52.1	52.10	3.8	3.80	33.32	33.44	36	38
M3	21/5/2026	Mid-Ebb	Cloudy	Low	17:27	2	M	1.00	2			7.14		3.43		26.4		52.1		3.8		33.56		40	

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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 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	23/5/2026	Mid-Flood	Cloudy	Low	11:19	2.5	M	1.25	1	0.073	190.506	7.12	7.12	2.95	2.96	28.1	28.10	41.4	41.15	2.99	2.97	19.55	19.345	42	41
M1	23/5/2026	Mid-Flood	Cloudy	Low	11:19	2.5	M	1.25	2			7.12		2.96		28.1		40.9		2.95		19.14		39	
M2	23/5/2026	Mid-Flood	Cloudy	Low	11:44	2.3	M	1.15	1	0.077	189.844	7.13	7.12	2.81	2.85	28.1	28.15	40.0	39.30	2.89	2.84	20.36	20.23	39	41
M2	23/5/2026	Mid-Flood	Cloudy	Low	11:44	2.3	M	1.15	2			7.11		2.89		28.2		38.6		2.79		20.10		43	
M3	23/5/2026	Mid-Flood	Cloudy	Low	12:09	2	M	1.00	1	0.088	169.327	7.15	7.16	3.25	3.26	28.1	28.15	54.3	54.85	3.92	3.96	30.25	30.425	44	42
M3	23/5/2026	Mid-Flood	Cloudy	Low	12:09	2	M	1.00	2			7.16		3.27		28.2		55.4		4		30.60		39	
M1	23/5/2026	Mid-Ebb	Cloudy	Low	15:34	2.4	M	1.20	1	0.078	318.018	7.11	7.12	2.74	2.73	27.6	27.65	40.6	39.85	2.93	2.88	21.22	21.225	42	41
M1	23/5/2026	Mid-Ebb	Cloudy	Low	15:34	2.4	M	1.20	2			7.12		2.71		27.7		39.1		2.82		21.23		39	
M2	23/5/2026	Mid-Ebb	Cloudy	Low	15:09	2.2	M	1.10	1	0.059	325.419	7.11	7.12	2.72	2.72	27.6	27.65	40.9	40.20	2.95	2.90	21.41	21.57	43	40
M2	23/5/2026	Mid-Ebb	Cloudy	Low	15:09	2.2	M	1.10	2			7.12		2.71		27.7		39.5		2.85		21.73		37	
M3	23/5/2026	Mid-Ebb	Cloudy	Low	15:59	2	M	1.00	1	0.073	319.048	7.15	7.14	3.48	3.51	27.6	27.60	53.9	53.70	3.89	3.88	29.44	29.51	42	40
M3	23/5/2026	Mid-Ebb	Cloudy	Low	15:59	2	M	1.00	2			7.13		3.53		27.6		53.5		3.86		29.58		38	

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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 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	26/5/2026	Mid-Flood	Cloudy	Low	14:54	2.7	M	1.35	1	0.082	170.126	7.09	7.10	2.99	3.04	28.1	28.15	40.6	40.20	2.91	2.88	20.69	20.63	22	22
M1	26/5/2026	Mid-Flood	Cloudy	Low	14:54	2.7	M	1.35	2			7.11		3.08		28.2		39.8		2.85		20.57		22	
M2	26/5/2026	Mid-Flood	Cloudy	Low	15:18	2.4	M	1.20	1	0.089	162.554	7.08	7.08	3.18	3.20	28.1	28.15	38.2	38.50	2.74	2.76	23.88	23.695	24	26
M2	26/5/2026	Mid-Flood	Cloudy	Low	15:18	2.4	M	1.20	2			7.08		3.22		28.2		38.8		2.78		23.51		28	
M3	26/5/2026	Mid-Flood	Cloudy	Low	15:26	2.1	M	1.05	1	0.079	162.202	7.15	7.16	3.65	3.62	28.1	28.15	53.8	53.70	3.86	3.85	33.42	33.215	22	22
M3	26/5/2026	Mid-Flood	Cloudy	Low	15:26	2.1	M	1.05	2			7.17		3.58		28.2		53.6		3.84		33.01		22	
M1	26/5/2026	Mid-Ebb	Cloudy	Low	9:45	2.5	M	1.25	1	0.065	343.207	7.09	7.09	3.12	3.14	28.0	28.00	38.4	37.45	2.75	2.69	18.95	18.74	9	6
M1	26/5/2026	Mid-Ebb	Cloudy	Low	9:45	2.5	M	1.25	2			7.09		3.15		28.0		36.5		2.62		18.53		3	
M2	26/5/2026	Mid-Ebb	Cloudy	Low	9:20	2.3	M	1.15	1	0.062	332.677	7.09	7.08	2.99	2.98	28.0	28.05	40.6	41.10	2.91	2.95	19.95	20.13	7	8
M2	26/5/2026	Mid-Ebb	Cloudy	Low	9:20	2.3	M	1.15	2			7.07		2.97		28.1		41.6		2.98		20.31		9	
M3	26/5/2026	Mid-Ebb	Cloudy	Low	10:05	2	M	1.00	1	0.078	334.82	7.15	7.15	3.65	3.62	28.0	28.00	55.1	55.80	3.95	4.00	34.11	33.94	8	9
M3	26/5/2026	Mid-Ebb	Cloudy	Low	10:05	2	M	1.00	2			7.15		3.59		28.0		56.5		4.05		33.77		9	

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	59	68

Contract No. SPW 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	28/5/2026	Mid-Flood	Cloudy	Low	15:58	2.4	M	1.20	1	0.095	177.955	7.08	7.09	4.64	4.65	30.1	30.15	38.8	38.95	2.75	2.76	16.12	15.93	19	11
M1	28/5/2026	Mid-Flood	Cloudy	Low	15:58	2.4	M	1.20	2			7.09		4.65		30.2		39.1		2.77		15.74		3	
M2	28/5/2026	Mid-Flood	Cloudy	Low	16:21	2.1	M	1.05	1	0.082	181.419	7.09	7.09	4.55	4.58	30.1	30.15	39.5	40.10	2.8	2.85	15.90	15.775	20	20
M2	28/5/2026	Mid-Flood	Cloudy	Low	16:21	2.1	M	1.05	2			7.08		4.6		30.2		40.7		2.89		15.65		19	
M3	28/5/2026	Mid-Flood	Cloudy	Low	16:34	2	M	1.00	1	0.086	186.196	7.13	7.14	4.93	4.91	29.7	29.75	56.0	55.15	3.97	3.91	24.36	24.425	20	19
M3	28/5/2026	Mid-Flood	Cloudy	Low	16:34	2	M	1.00	2			7.14		4.89		29.8		54.3		3.85		24.49		18	
M1	28/5/2026	Mid-Ebb	Cloudy	Low	11:45	2.4	M	1.20	1	0.061	325.173	7.07	7.08	4.27	4.25	30.1	30.15	39.6	39.70	2.81	2.82	17.13	16.97	20	13
M1	28/5/2026	Mid-Ebb	Cloudy	Low	11:45	2.4	M	1.20	2			7.09		4.23		30.2		39.8		2.82		16.81		6	
M2	28/5/2026	Mid-Ebb	Cloudy	Low	11:23	2.2	M	1.10	1	0.069	334.33	7.08	7.08	4.39	4.41	30.1	30.10	40.2	40.00	2.85	2.84	16.11	16.255	20	19
M2	28/5/2026	Mid-Ebb	Cloudy	Low	11:23	2.2	M	1.10	2			7.07		4.42		30.1		39.8		2.82		16.40		18	
M3	28/5/2026	Mid-Ebb	Cloudy	Low	12:01	2	M	1.00	1	0.075	328.105	7.14	7.14	4.81	4.81	30.1	30.15	53.4	52.85	3.79	3.75	23.69	23.755	2	3
M3	28/5/2026	Mid-Ebb	Cloudy	Low	12:01	2	M	1.00	2			7.14		4.81		30.2		52.3		3.71		23.82		3	

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	59	68

Contract No. SPW 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
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	30/5/2026	Mid-Flood	Sunny	Low	17:39	2.5	M	1.25	1	0.077	188.412	7.11	7.12	3.52	3.48	27.5	27.50	39.3	39.65	2.88	2.91	23.50	23.385	20	20
M1	30/5/2026	Mid-Flood	Sunny	Low	17:39	2.5	M	1.25	2			7.12		3.43		27.5		40.0		2.93		23.27		19	
M2	30/5/2026	Mid-Flood	Sunny	Low	18:03	2.2	M	1.10	1	0.078	162.333	7.11	7.11	3.41	3.38	27.5	27.50	38.4	37.75	2.81	2.77	23.90	23.95	22	22
M2	30/5/2026	Mid-Flood	Sunny	Low	18:03	2.2	M	1.10	2			7.11		3.35		27.5		37.1		2.72		24.00		21	
M3	30/5/2026	Mid-Flood	Sunny	Low	18:24	1.9	M	0.95	1	0.095	189.659	7.14	7.15	3.89	3.90	27.5	27.55	52.7	52.10	3.86	3.82	33.58	33.73	20	21
M3	30/5/2026	Mid-Flood	Sunny	Low	18:24	1.9	M	0.95	2			7.15		3.9		27.6		51.5		3.77		33.88		22	
M1	30/5/2026	Mid-Ebb	Sunny	Low	13:00	2.3	M	1.15	1	0.067	326.878	7.12	7.12	3.26	3.28	28.1	28.10	37.4	37.80	2.74	2.77	24.03	24.045	7	7
M1	30/5/2026	Mid-Ebb	Sunny	Low	13:00	2.3	M	1.15	2			7.12		3.3		28.1		38.2		2.8		24.06		6	
M2	30/5/2026	Mid-Ebb	Sunny	Low	12:35	2.2	M	1.10	1	0.072	319.179	7.11	7.10	3.31	3.32	28.1	28.15	38.1	37.20	2.79	2.73	23.33	23.15	7	6
M2	30/5/2026	Mid-Ebb	Sunny	Low	12:35	2.2	M	1.10	2			7.09		3.33		28.2		36.3		2.66		22.97		4	
M3	30/5/2026	Mid-Ebb	Sunny	Low	13:22	2	M	1.00	1	0.065	339.253	7.15	7.15	3.99	3.97	28.1	28.10	52.1	51.30	3.82	3.76	34.59	34.465	4	6
M3	30/5/2026	Mid-Ebb	Sunny	Low	13:22	2	M	1.00	2			7.15		3.94		28.1		50.5		3.7		34.34		7	

Remark

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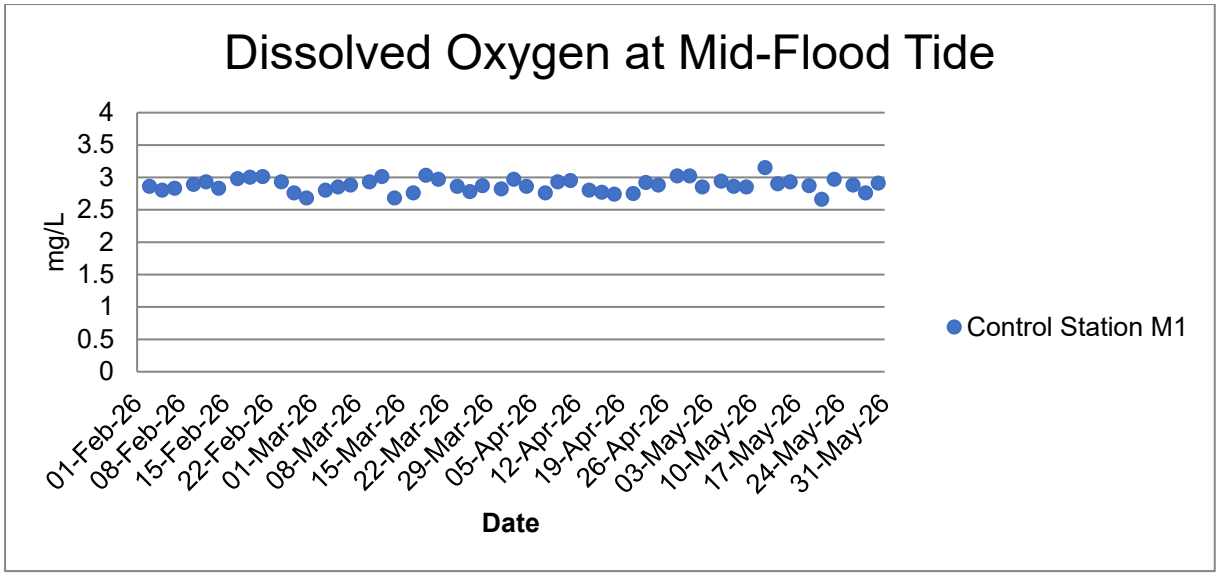
4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130%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

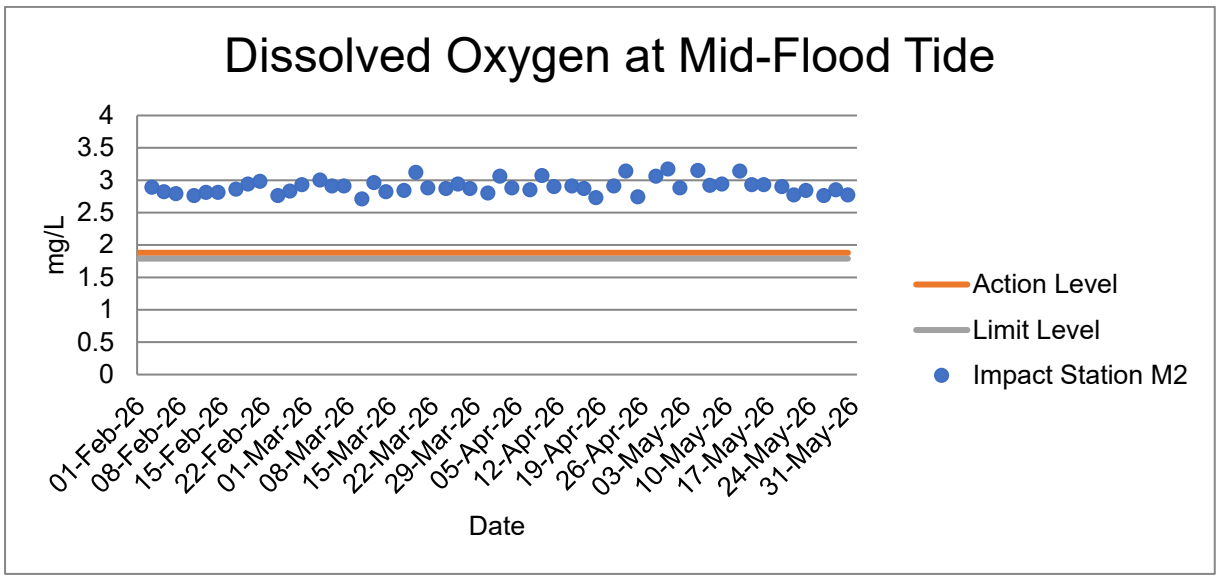
For Flood Tide

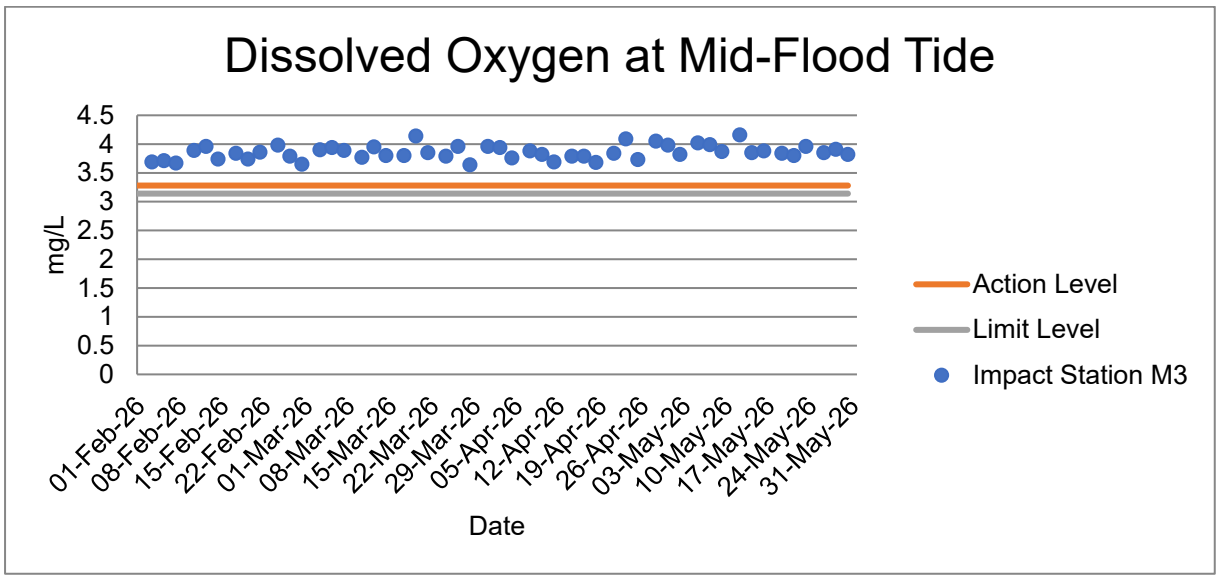
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

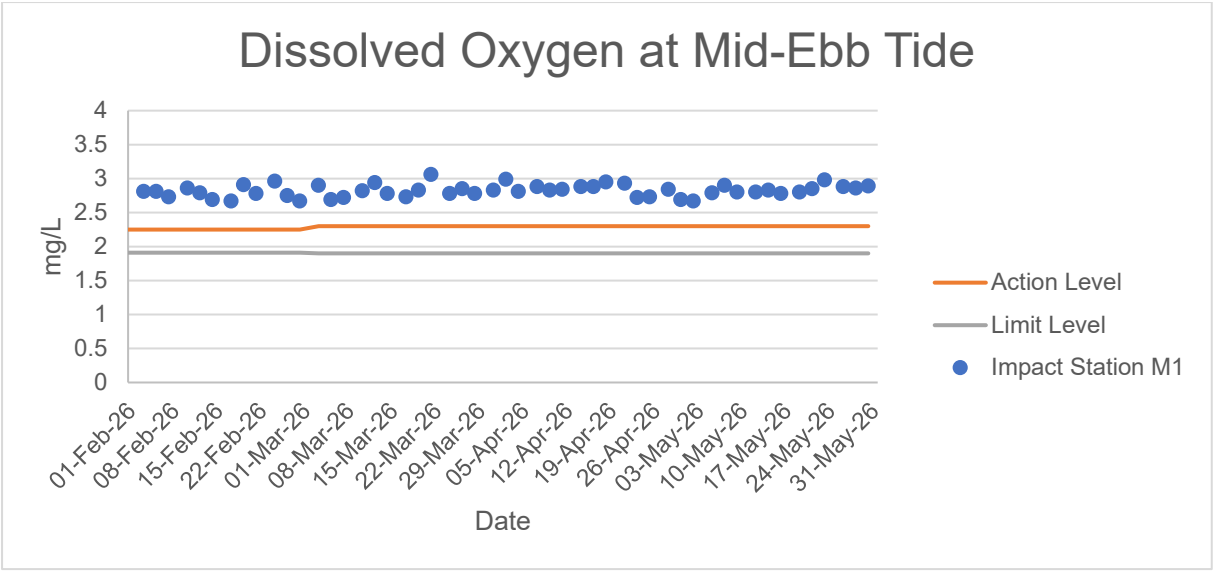
For Ebb Tide

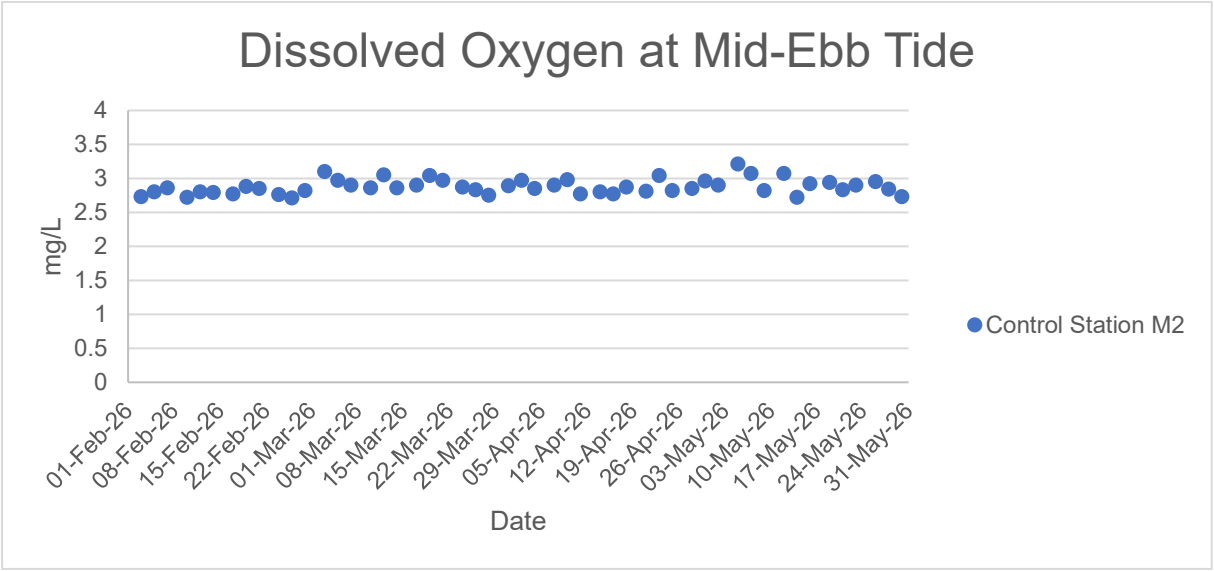
Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68


Dissolved Oxygen at Mid-Flood Tide
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-26
Date
Control Station M1


Dissolved Oxygen at Mid-Flood Tide
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-26
Date
Action Level
Limit Level
Impact Station M2


Dissolved Oxygen at Mid-Flood Tide
mg/L
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-26
Date
Action Level
Limit Level
Impact Station M3


Dissolved Oxygen at Mid-Ebb Tide
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-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-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
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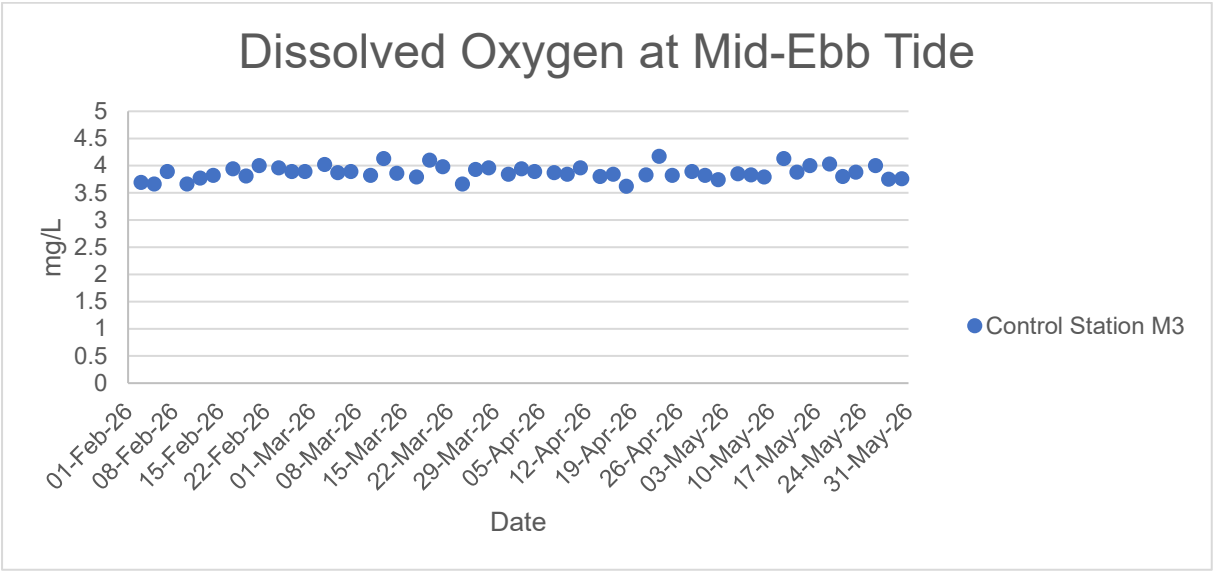
24-May-26
31-May-26
Date
Control Station M2


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-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
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03-May-26
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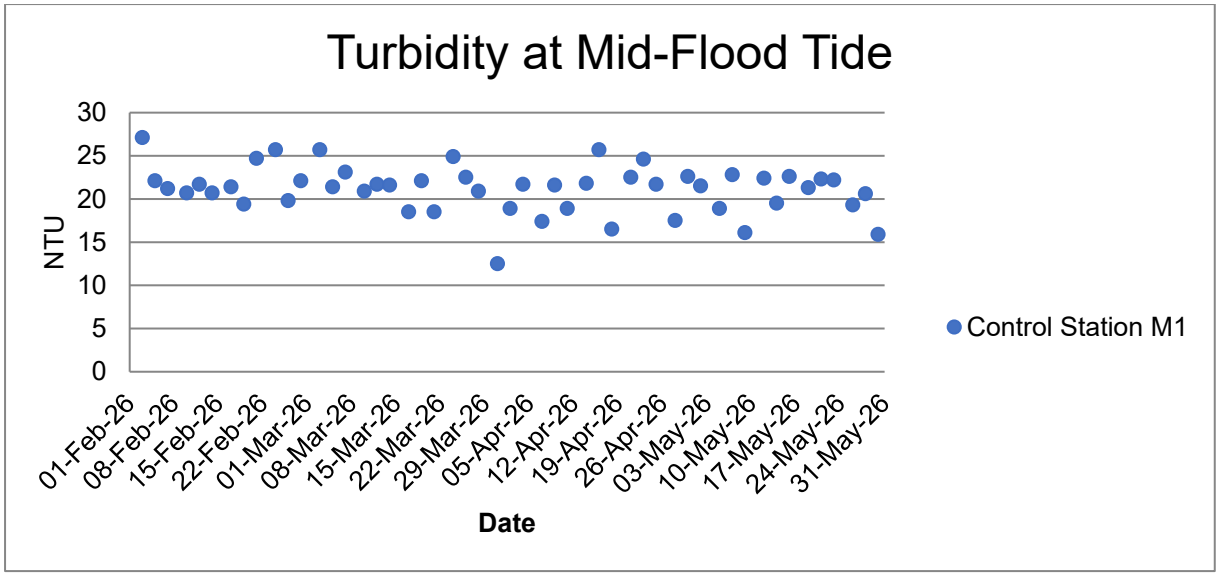
24-May-26
31-May-26
Date
Control Station M3


Turbidity at Mid-Flood Tide
NTU
30
25
20
15
10
5
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
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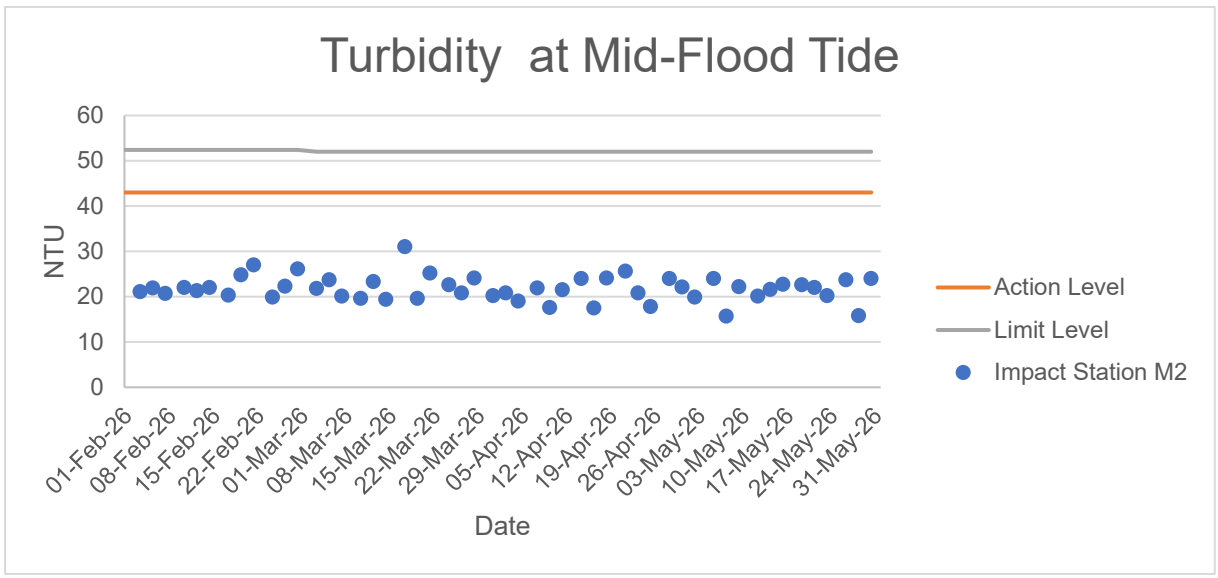
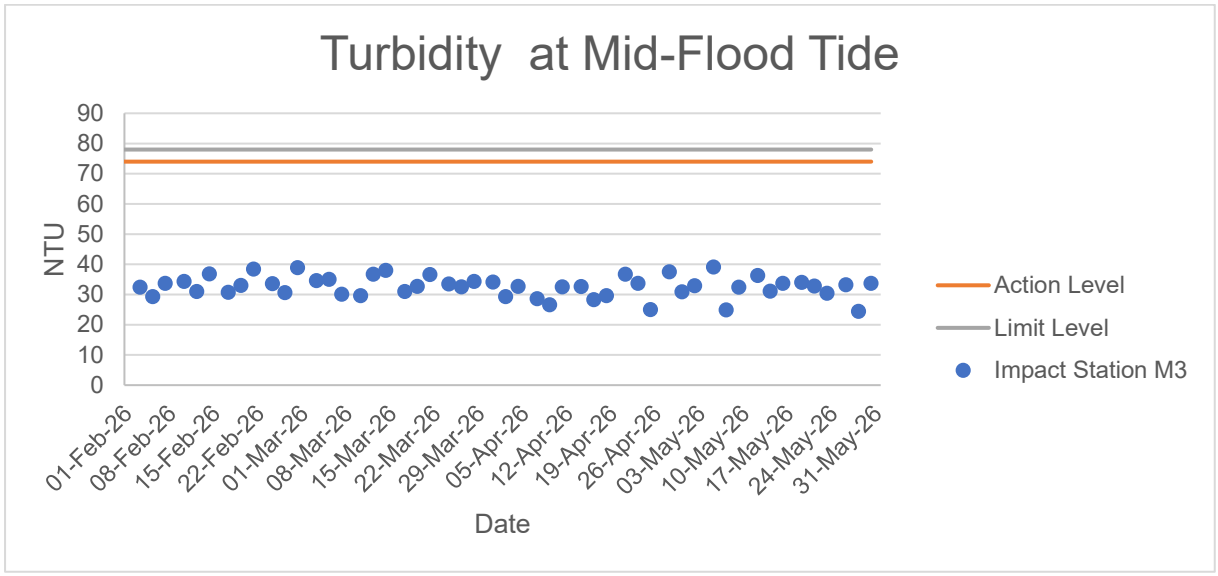
24-May-26
31-May-26
Date
Control Station M1


Turbidity at Mid-Flood Tide
NTU
60
50
40
30
20
10
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-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-Feb-26
08-Feb-26
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22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
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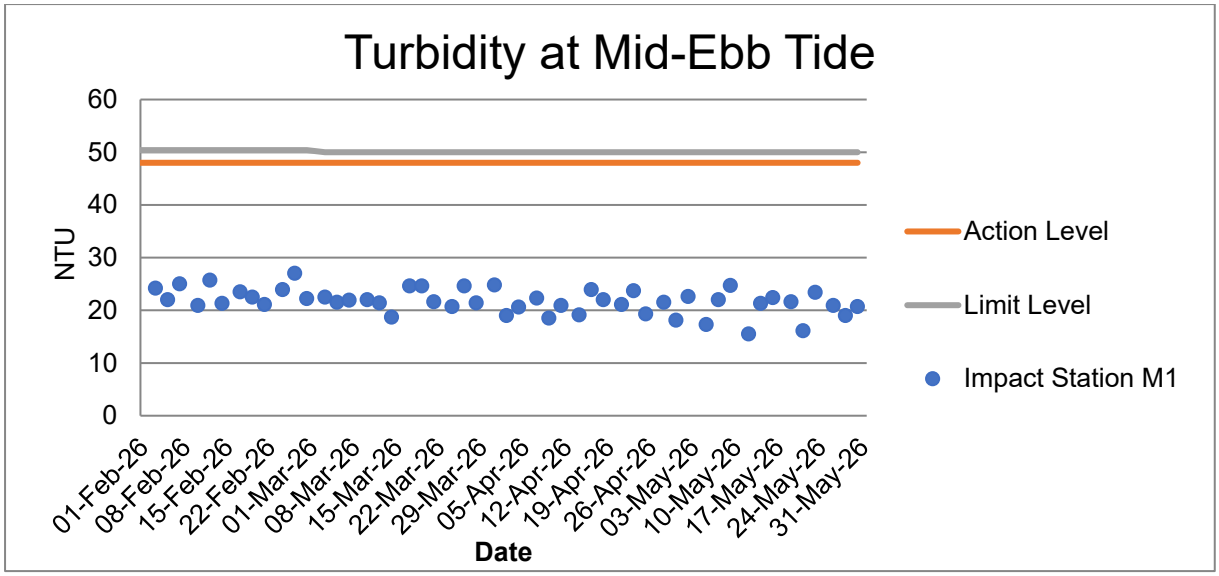
17-May-26
24-May-26
31-May-26
Date
Action Level
Limit Level
Impact Station M3


Turbidity at Mid-Ebb Tide
NTU
60
50
40
30
20
10
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
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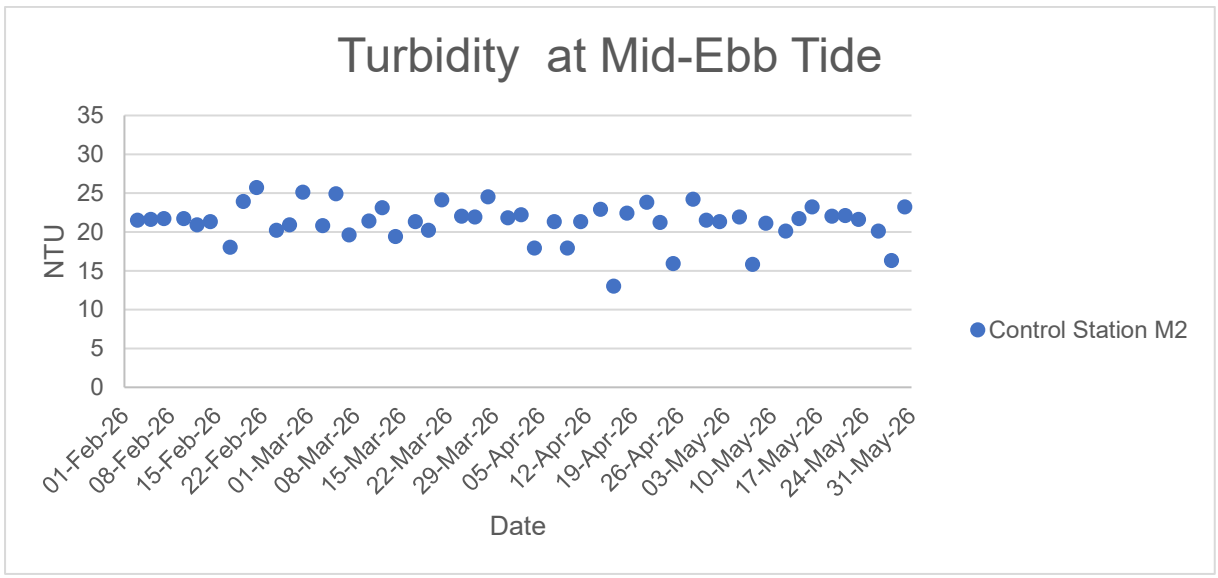
17-May-26
24-May-26
31-May-26
Date
Action Level
Limit Level
Impact Station M1


Turbidity at Mid-Ebb Tide
NTU
35
30
25
20
15
10
5
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
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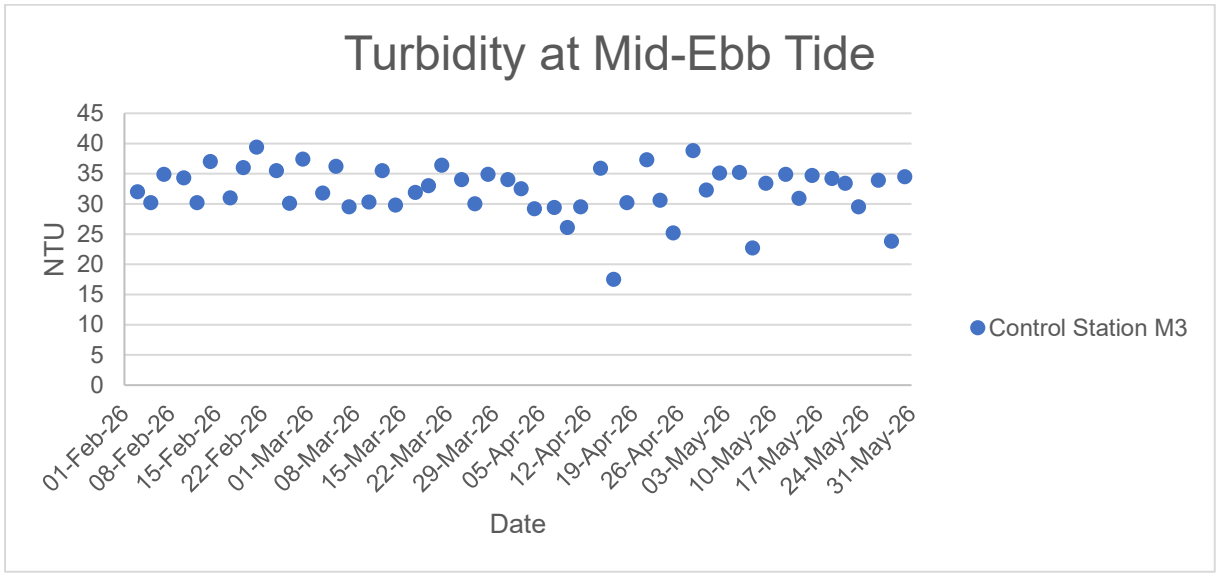
24-May-26
31-May-26
Date
Control Station M2


Turbidity at Mid-Ebb Tide
NTU
45
40
35
30
25
20
15
10
5
0
01-Feb-26
08-Feb-26
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22-Feb-26
01-Mar-26
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15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
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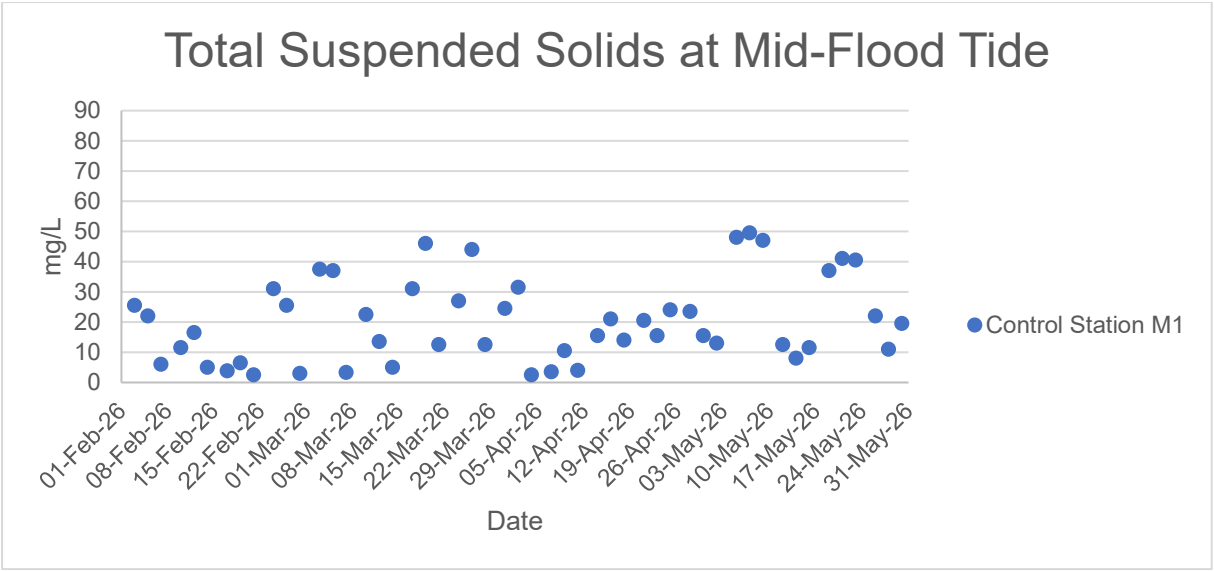
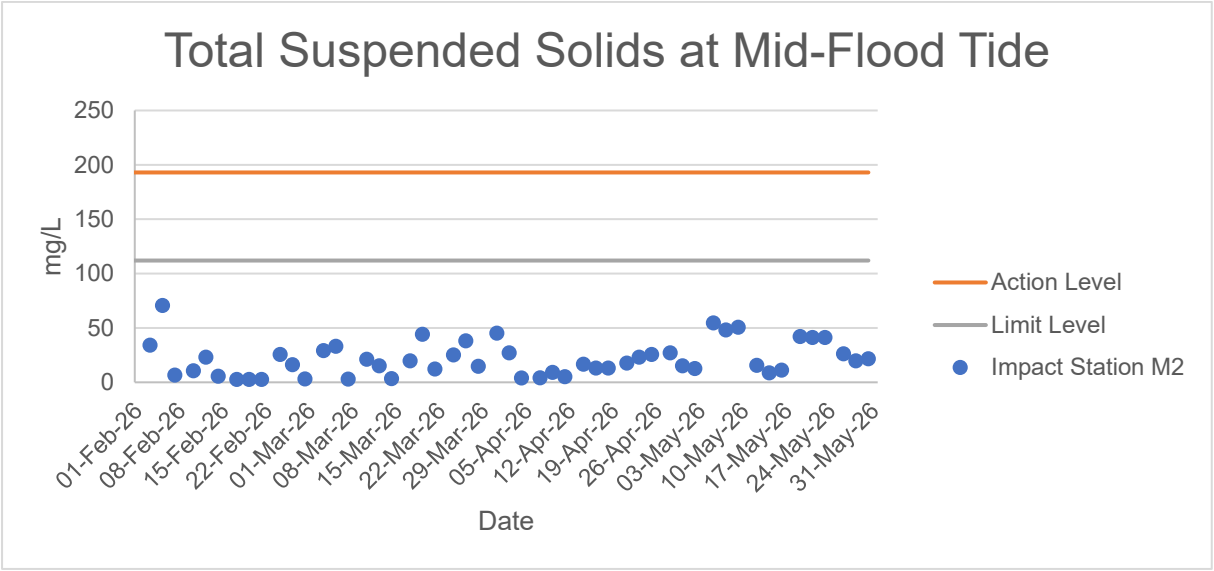
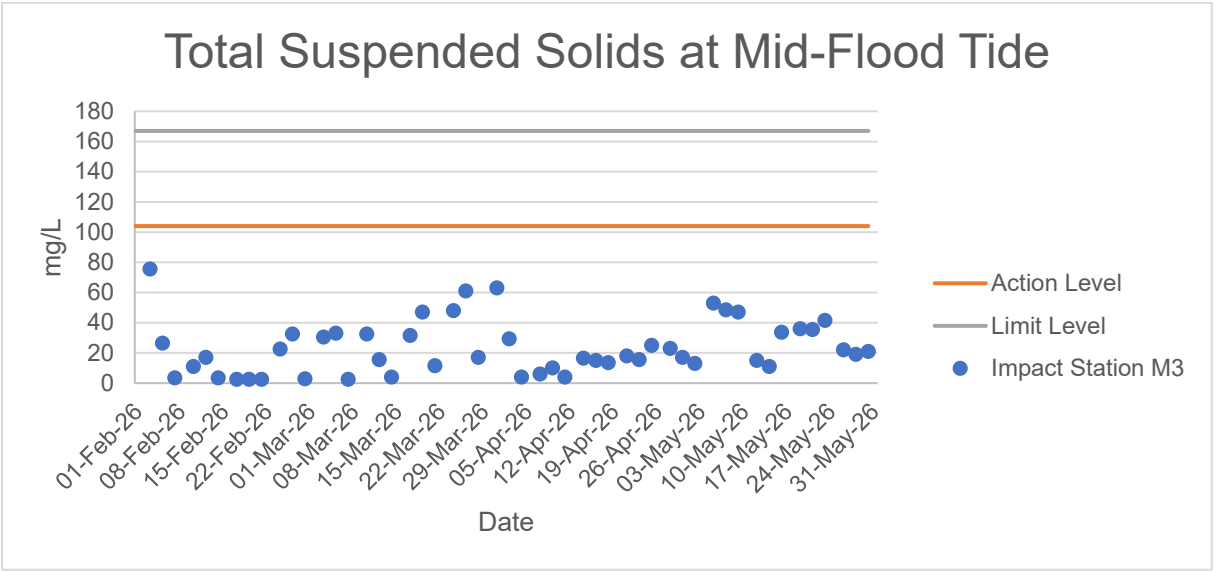
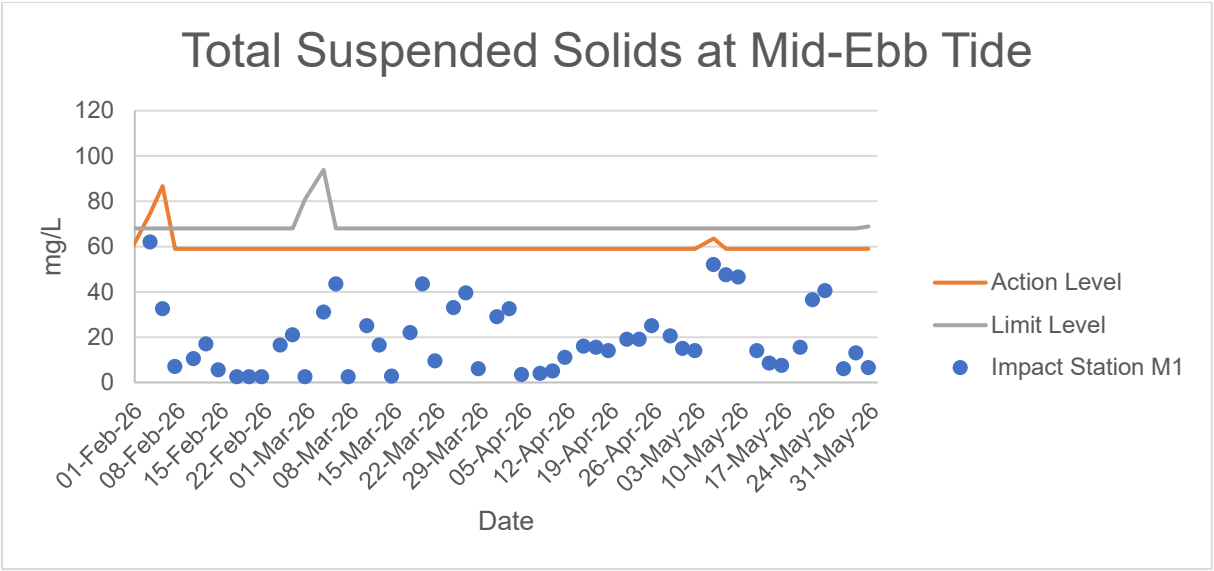
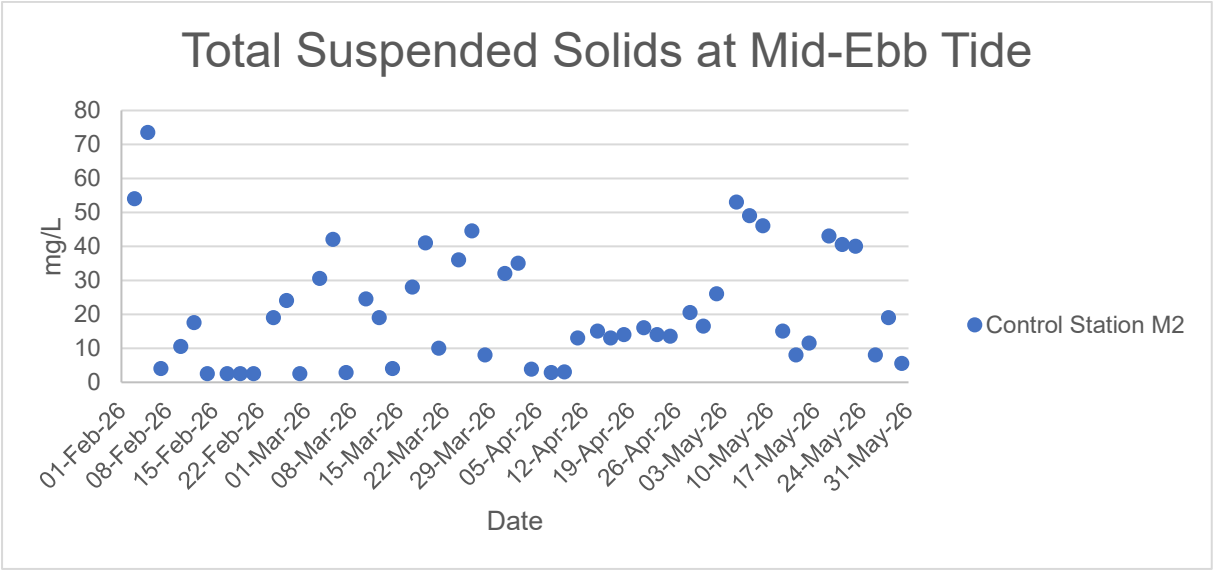
24-May-26
31-May-26
Date
Control Station M3

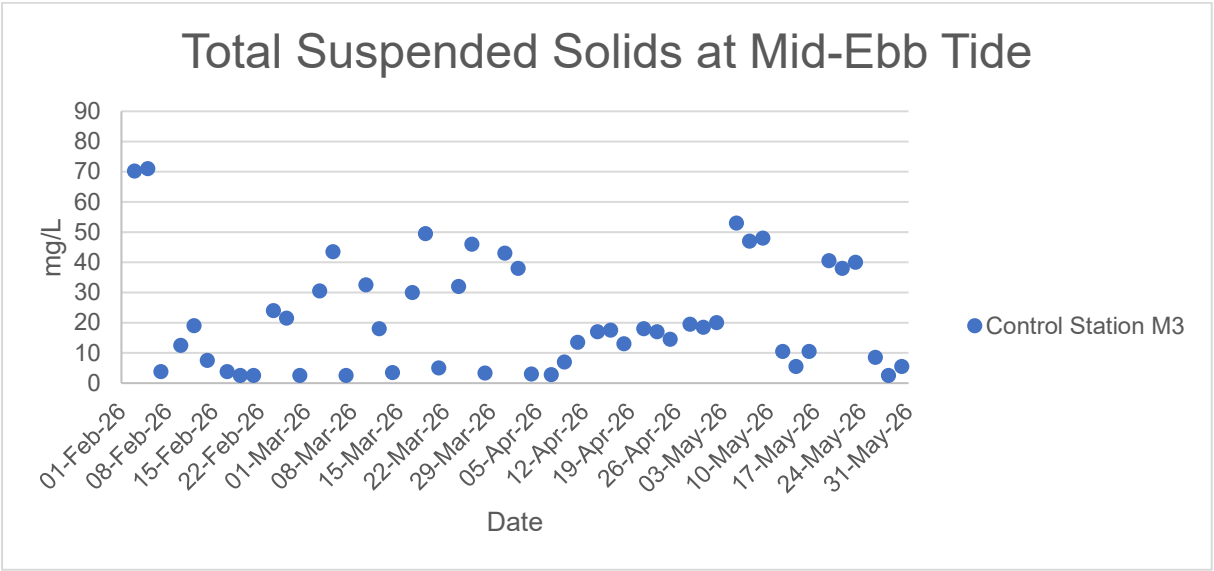

Total Suspended Solids at Mid-Flood Tide
mg/L
90
80
70
60
50
40
30
20
10
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-26
Date
Control Station M1


Total Suspended Solids at Mid-Flood Tide
mg/L
250
200
150
100
50
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-26
Date
Action Level
Limit Level
Impact Station M2


Total Suspended Solids at Mid-Flood Tide
mg/L
180
160
140
120
100
80
60
40
20
0
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-26
Date
Action Level
Limit Level
Impact Station M3


Total Suspended Solids at Mid-Ebb Tide
120
100
80
60
40
20
0
mg/L
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-26
Date
Action Level
Limit Level
Impact Station M1


Total Suspended Solids at Mid-Ebb Tide
80
70
60
50
40
30
20
10
0
mg/L
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-26
Date
Control Station M2


Total Suspended Solids at Mid-Ebb Tide
90
80
70
60
50
40
30
20
10
0
mg/L
01-Feb-26
08-Feb-26
15-Feb-26
22-Feb-26
01-Mar-26
08-Mar-26
15-Mar-26
22-Mar-26
29-Mar-26
05-Apr-26
12-Apr-26
19-Apr-26
26-Apr-26
03-May-26
10-May-26
17-May-26
24-May-26
31-May-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 (07 May 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]
07/05/2026	Daytime	Wet	FLW	Point Count	FLW1	Chinese Pond Heron	*Ardeola bacchus*	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW1	Black Kite	*Milvus migrans*	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW1	Common Sandpiper	*Actitis hypoleucos*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW1	Spotted Dove	*Spilopelia chinensis*	1	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW1	Azure-winged Magpie	*Cyanopica cyanus*	2	Introduced	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW1	Barn Swallow	*Hirundo rustica*	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW1	Crested Myna	*Acridotheres cristatellus*	6	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW1	Black-collared Starling	*Gracupica nigricollis*	4	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW1	White Wagtail	*Motacilla alba*	3	Common	PM,WV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW2	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW2	Chinese Bulbul	*Pycnonotus sinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW2	Barn Swallow	*Hirundo rustica*	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW2	Plain Prinia	*Prinia inornata*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW3	Crested Myna	*Acridotheres cristatellus*	2	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW3	Black-collared Starling	*Gracupica nigricollis*	2	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW3	White-shouldered Starling	*Sturnia sinensis*	2	Common	M,W,Su	(LC)	-	-	-	LC	Y	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW3	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW4	Black-crowned Night Heron	*Nycticorax nycticorax*	1	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW4	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW4	White-breasted Waterhen	*Amaurornis phoenicurus*	4	Common	R	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW4	Indian Cuckoo	*Cuculus micropterus*	1	Uncommon	SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW4	Long-tailed Shrike	*Lanius schach*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW4	Black Drongo	*Dicrurus macrocercus*	1	Common	SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW4	Chinese Bulbul	*Pycnonotus sinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW4	Black-collared Starling	*Gracupica nigricollis*	3	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Little Grebe	*Tachybaptus ruficollis*	3	Common	R	LC	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Chinese Pond Heron	*Ardeola bacchus*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Collared Dove	*Streptopelia decaocto*	2	Common	-	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Spotted Dove	*Spilopelia chinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Asian Koel	*Eudynamys scolopaceus*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Chinese Bulbul	*Pycnonotus sinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Plain Prinia	*Prinia inornata*	2	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Common Tailorbird	*Orthotomus sutorius*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Masked Laughingthrush	*Pterorhinus perspicillatus*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Swinhoe's White-eye	*Zosterops simplex*	2	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (07 May 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]
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Crested Myna	*Acridotheres cristatellus*	3	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Common Myna	*Acridotheres tristis*	2	Uncommon	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Black-collared Starling	*Gracupica nigricollis*	4	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Eurasian Tree Sparrow	*Passer montanus*	5	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW5	Brown Shrike	*Lanius cristatus*	1	Common	PM,WV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW6	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW6	Spotted Dove	*Spilopelia chinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW6	Greater Coucal	*Centropus sinensis*	1	Common	R	-	Class II	VU	LC	LC	Y	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW6	Crested Myna	*Acridotheres cristatellus*	4	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW6	Black-collared Starling	*Gracupica nigricollis*	3	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Black-crowned Night Heron	*Nycticorax nycticorax*	2	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Chinese Pond Heron	*Ardeola bacchus*	22	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Great Egret	*Ardea alba*	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Whiskered Tern	*Chlidonias hybrida*	1	Uncommon	PM	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Eurasian Collared Dove	*Streptopelia decaocto*	1	Common	-	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Spotted Dove	*Spilopelia chinensis*	4	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	White-throated Kingfisher	*Halcyon smyrnensis*	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Azure-winged Magpie	*Cyanopica cyanus*	16	Introduced	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Red-whiskered Bulbul	*Pycnonotus jocosus*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Swinhoe's White-eye	*Zosterops simplex*	2	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Crested Myna	*Acridotheres cristatellus*	3	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Common Myna	*Acridotheres tristis*	4	Uncommon	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Point Count	FLW7	Oriental Magpie Robin	*Copsychus saularis*	1	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Great Egret	*Ardea alba*	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Asian Koel	*Eudynamys scolopaceus*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Large Hawk-Cuckoo	*Hierococcyx sparverioides*	1	Common	PM,SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Pied Kingfisher	*Ceryle rudis*	1	Uncommon	R	-	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Large-billed Crow	*Corvus macrorhynchos*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Japanese Tit	*Parus minor*	2	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Red-whiskered Bulbul	*Pycnonotus jocosus*	4	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Common Tailorbird	*Orthotomus sutorius*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Masked Laughingthrush	*Pterorhinus perspicillatus*	6	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Swinhoe's White-eye	*Zosterops simplex*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Black-collared Starling	*Gracupica nigricollis*	4	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	White-shouldered	*Sturnia sinensis*	3	Common	M,W,Su	(LC)	-	-	-	LC	Y	N

Appendix F.1 Ecological Bird Monitoring Result (07 May 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]
						Starling											
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Oriental Magpie Robin	*Copsychus saularis*	2	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	Eurasian Tree Sparrow	*Passer montanus*	6	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	NSW1	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Pond Heron	*Ardeola bacchus*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Common Moorhen	*Gallinula chloropus*	2	Common	R	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Asian Koel	*Eudynamys scolopaceus*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Large Hawk-Cuckoo	*Hierococcyx sparverioides*	1	Common	PM,SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	*Pycnonotus jocosus*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Chinese Bulbul	*Pycnonotus sinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Barn Swallow	*Hirundo rustica*	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Plain Prinia	*Prinia inornata*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Swinhoe's White-eye	*Zosterops simplex*	2	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Crested Myna	*Acridotheres cristatellus*	6	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Black-collared Starling	*Gracupica nigricollis*	2	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	*Copsychus saularis*	1	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	Chinese Pond Heron	*Ardeola bacchus*	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	Greater Coucal	*Centropus sinensis*	1	Common	R	-	Class II	VU	LC	LC	Y	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	Indian Cuckoo	*Cuculus micropterus*	1	Uncommon	SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	Collared Crow	*Corvus torquatus*	2	Uncommon	R	LC	-	-	NT	VU	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	Red-whiskered Bulbul	*Pycnonotus jocosus*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	Barn Swallow	*Hirundo rustica*	6	Abundant	PM,SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	Swinhoe's White-eye	*Zosterops simplex*	1	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	Crested Myna	*Acridotheres cristatellus*	4	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	White-winged Tern	*Chlidonias leucopterus*	2	Common	-	-	-	-	-	-	Y	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW2	Grey Wagtail	*Motacilla cinerea*	1	Common	-	-	-	-	-	-	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Grey Heron	*Ardea cinerea*	2	Common	WV	PRC	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Great Egret	*Ardea alba*	4	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Little Egret	*Egretta garzetta*	5	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Black Kite	*Milvus migrans*	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	White-breasted Waterhen	*Amaurornis phoenicurus*	2	Common	R	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Pied Avocet	*Recurvirostra avosetta*	2	Abundant	WV	RC	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Whiskered Tern	*Chlidonias hybrida*	4	Uncommon	PM	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Spotted Dove	*Spilopelia chinensis*	1	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Indian Cuckoo	*Cuculus micropterus*	1	Uncommon	SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Black Drongo	*Dicrurus macrocercus*	1	Common	SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Azure-winged	*Cyanopica cyanus*	3	Introduced	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (07 May 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]
						Magpie											
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Japanese Tit	*Parus minor*	2	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Red-whiskered Bulbul	*Pycnonotus jocosus*	8	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Chinese Bulbul	*Pycnonotus sinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Barn Swallow	*Hirundo rustica*	5	Abundant	PM,SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Plain Prinia	*Prinia inornata*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Crested Myna	*Acridotheres cristatellus*	4	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	Black-collared Starling	*Gracupica nigricollis*	4	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	White Wagtail	*Motacilla alba*	4	Common	PM,WV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Point Count	SP/NSW3	White-winged Tern	*Chlidonias leucopterus*	25	Common	-	-	-	-	-	-	Y	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Yellow Bittern	*Ixobrychus sinensis*	1	Uncommon	PM,SV	(LC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Chinese Pond Heron	*Ardeola bacchus*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Transect	FLW	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Spotted Dove	*Spilopelia chinensis*	6	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Greater Coucal	*Centropus sinensis*	2	Common	R	-	Class II	VU	LC	LC	Y	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Indian Cuckoo	*Cuculus micropterus*	1	Uncommon	SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	White-throated Kingfisher	*Halcyon smyrnensis*	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Black Drongo	*Dicrurus macrocercus*	1	Common	SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Azure-winged Magpie	*Cyanopica cyanus*	7	Introduced	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Large-billed Crow	*Corvus macrorhynchos*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Barn Swallow	*Hirundo rustica*	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Plain Prinia	*Prinia inornata*	2	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Masked Laughingthrush	*Pterorhinus perspicillatus*	2	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Black-collared Starling	*Gracupica nigricollis*	6	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Oriental Magpie Robin	*Copsychus saularis*	2	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	FLW	Transect	FLW	Scaly-breasted Munia	*Lonchura punctulata*	8	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Chinese Pond Heron	*Ardeola bacchus*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Little Egret	*Egretta garzetta*	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Common Sandpiper	*Actitis hypoleucos*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Common Greenshank	*Tringa nebularia*	1	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Asian Koel	*Eudynamys scolopaceus*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Black Drongo	*Dicrurus macrocercus*	2	Common	SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Azure-winged Magpie	*Cyanopica cyanus*	2	Introduced	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Yellow-bellied Prinia	*Prinia flaviventris*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Plain Prinia	*Prinia inornata*	2	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Masked	*Pterorhinus*	3	Abundant	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (07 May 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]
						Laughingthrush	*perspicillatus*										
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Common Myna	*Acridotheres tristis*	2	Uncommon	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Black-collared Starling	*Gracupica nigricollis*	2	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	Oriental Magpie Robin	*Copsychus saularis*	1	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	NSW	Transect	NSW	White-winged Tern	*Chlidonias leucopterus*	2	Common	-	-	-	-	-	-	Y	N
07/05/2026	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
07/05/2026	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	White-breasted Waterhen	*Amaurornis phoenicurus*	2	Common	R	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Common Moorhen	*Gallinula chloropus*	1	Common	R	-	-	-	LC	LC	N	Y
07/05/2026	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Asian Koel	*Eudynamys scolopaceus*	1	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Chinese Bulbul	*Pycnonotus sinensis*	4	Abundant	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Barn Swallow	*Hirundo rustica*	4	Abundant	PM,SV	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Black-collared Starling	*Gracupica nigricollis*	4	Common	R	-	-	-	LC	LC	N	N
07/05/2026	Daytime	Wet	YLIE-CW	Transect	YLIE-CW	Oriental Magpie Robin	*Copsychus saularis*	1	Abundant	R	-	-	-	LC	LC	N	N

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 (07 May 2026)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Tachybaptus ruficollis	3	0.0088	-4.7333	-0.0416	0.1971
Nycticorax nycticorax	3	0.0088	-4.7333	-0.0416	0.1971
Ardeola bacchus	35	0.1026	-2.2765	-0.2337	0.5319
Ardea cinerea	2	0.0059	-5.1387	-0.0301	0.1549
Ardea alba	7	0.0205	-3.8860	-0.0798	0.3100
Egretta garzetta	7	0.0205	-3.8860	-0.0798	0.3100
Milvus migrans	2	0.0059	-5.1387	-0.0301	0.1549
Amaurornis phoenicurus	10	0.0293	-3.5293	-0.1035	0.3653
Gallinula chloropus	2	0.0059	-5.1387	-0.0301	0.1549
Recurvirostra avosetta	2	0.0059	-5.1387	-0.0301	0.1549
Actitis hypoleucos	1	0.0029	-5.8319	-0.0171	0.0997
Chlidonias hybrida	5	0.0147	-4.2224	-0.0619	0.2614
Chlidonias leucopterus	27	0.0792	-2.5360	-0.2008	0.5092
Streptopelia decaocto	3	0.0088	-4.7333	-0.0416	0.1971
Spilopelia chinensis	14	0.0411	-3.1928	-0.1311	0.4185
Centropus sinensis	2	0.0059	-5.1387	-0.0301	0.1549
Eudynamys scolopaceus	3	0.0088	-4.7333	-0.0416	0.1971
Hierococcyx sparverioides	2	0.0059	-5.1387	-0.0301	0.1549
Cuculus micropterus	3	0.0088	-4.7333	-0.0416	0.1971
Halcyon smyrnensis	1	0.0029	-5.8319	-0.0171	0.0997
Ceryle rudis	1	0.0029	-5.8319	-0.0171	0.0997
Lanius cristatus	1	0.0029	-5.8319	-0.0171	0.0997
Lanius schach	1	0.0029	-5.8319	-0.0171	0.0997
Dicrurus macrocercus	2	0.0059	-5.1387	-0.0301	0.1549
Cyanopica cyanus	21	0.0616	-2.7874	-0.1717	0.4785
Corvus torquatus	2	0.0059	-5.1387	-0.0301	0.1549
Corvus macrorhynchos	1	0.0029	-5.8319	-0.0171	0.0997
Parus minor	4	0.0117	-4.4456	-0.0521	0.2318
Pycnonotus jocosus	21	0.0616	-2.7874	-0.1717	0.4785
Pycnonotus sinensis	14	0.0411	-3.1928	-0.1311	0.4185
Hirundo rustica	19	0.0557	-2.8874	-0.1609	0.4645
Prinia inornata	5	0.0147	-4.2224	-0.0619	0.2614
Orthotomus sutorius	2	0.0059	-5.1387	-0.0301	0.1549
Pterorhinus perspicillatus	9	0.0264	-3.6347	-0.0959	0.3487
Zosterops simplex	10	0.0293	-3.5293	-0.1035	0.3653
Acridotheres cristatellus	32	0.0938	-2.3661	-0.2220	0.5254
Acridotheres tristis	6	0.0176	-4.0401	-0.0711	0.2872
Gracupica nigricollis	26	0.0762	-2.5738	-0.1962	0.5051
Sturnia sinensis	5	0.0147	-4.2224	-0.0619	0.2614
Copsychus saularis	4	0.0117	-4.4456	-0.0521	0.2318
Passer montanus	11	0.0323	-3.4340	-0.1108	0.3804
Motacilla cinerea	1	0.0029	-5.8319	-0.0171	0.0997
Motacilla alba	9	0.0264	-3.6347	-0.0959	0.3487
Total	341	1	-186.4709	-3.2486	11.3711
Richness	43				
SS	11.3711				
SQ	10.5533				
H	3.2486				

Scientific Name	Count	P	Ln(P)	P*Ln(P)	$P*Ln(P)^2$
S^2H	0.0026				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (07 May 2026)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Tachybaptus ruficollis	3	0.0417	-3.1781	-0.1324	0.4208
Nycticorax nycticorax	3	0.0417	-3.1781	-0.1324	0.4208
Ardeola bacchus	35	0.4861	-0.7213	-0.3506	0.2529
Ardea cinerea	2	0.0278	-3.5835	-0.0995	0.3567
Ardea alba	7	0.0972	-2.3308	-0.2266	0.5282
Egretta garzetta	7	0.0972	-2.3308	-0.2266	0.5282
Milvus migrans	2	0.0278	-3.5835	-0.0995	0.3567
Recurvirostra avosetta	2	0.0278	-3.5835	-0.0995	0.3567
Centropus sinensis	2	0.0278	-3.5835	-0.0995	0.3567
Halcyon smyrnensis	1	0.0139	-4.2767	-0.0594	0.2540
Ceryle rudis	1	0.0139	-4.2767	-0.0594	0.2540
Corvus torquatus	2	0.0278	-3.5835	-0.0995	0.3567
Sturnia sinensis	5	0.0694	-2.6672	-0.1852	0.4940
Total	72	1	-40.8771	-1.8704	4.9365
Richness	13				
SS	4.9365				
SQ	3.4984				
H	1.8704				
S^2H	0.021131				

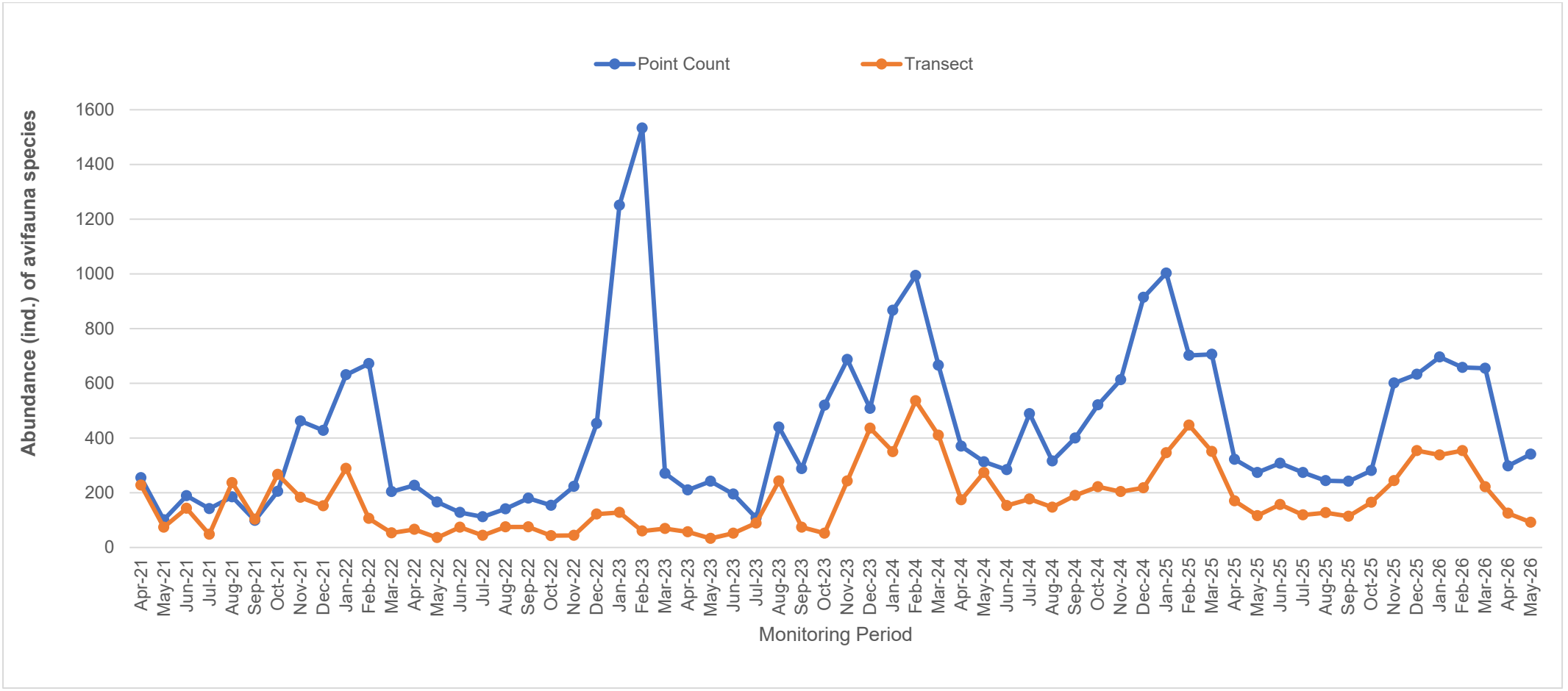
Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (07 May 2026)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Ixobrychus sinensis	1	0.0109	-4.5218	-0.0491	0.2222
Ardeola bacchus	4	0.0435	-3.1355	-0.1363	0.4274
Egretta garzetta	5	0.0543	-2.9124	-0.1583	0.4610
Amaurornis phoenicurus	3	0.0326	-3.4232	-0.1116	0.3821
Gallinula chloropus	1	0.0109	-4.5218	-0.0491	0.2222
Actitis hypoleucos	1	0.0109	-4.5218	-0.0491	0.2222
Tringa nebularia	1	0.0109	-4.5218	-0.0491	0.2222
Chlidonias leucopterus	2	0.0217	-3.8286	-0.0832	0.3187
Spilopelia chinensis	8	0.0870	-2.4423	-0.2124	0.5187
Centropus sinensis	2	0.0217	-3.8286	-0.0832	0.3187
Eudynamys scolopaceus	2	0.0217	-3.8286	-0.0832	0.3187
Cuculus micropterus	1	0.0109	-4.5218	-0.0491	0.2222
Halcyon smyrnensis	1	0.0109	-4.5218	-0.0491	0.2222
Dicrurus macrocercus	3	0.0326	-3.4232	-0.1116	0.3821
Cyanopica cyanus	9	0.0978	-2.3246	-0.2274	0.5286
Corvus macrorhynchos	1	0.0109	-4.5218	-0.0491	0.2222
Pycnonotus sinensis	4	0.0435	-3.1355	-0.1363	0.4274
Hirundo rustica	6	0.0652	-2.7300	-0.1780	0.4861
Prinia flaviventris	1	0.0109	-4.5218	-0.0491	0.2222
Prinia inornata	4	0.0435	-3.1355	-0.1363	0.4274
Pterorhinus perspicillatus	5	0.0543	-2.9124	-0.1583	0.4610
Acridotheres tristis	2	0.0217	-3.8286	-0.0832	0.3187
Gracupica nigricollis	12	0.1304	-2.0369	-0.2657	0.5412
Copsychus saularis	4	0.0435	-3.1355	-0.1363	0.4274
Lonchura punctulata	8	0.0870	-2.4423	-0.2124	0.5187
Motacilla alba	1	0.0109	-4.5218	-0.0491	0.2222
Total	92	1	-93.1999	-2.9563	9.2641
Richness	26				
SS	9.2641				
SQ	8.7395				
H	2.9563				
S^2H	0.007178				

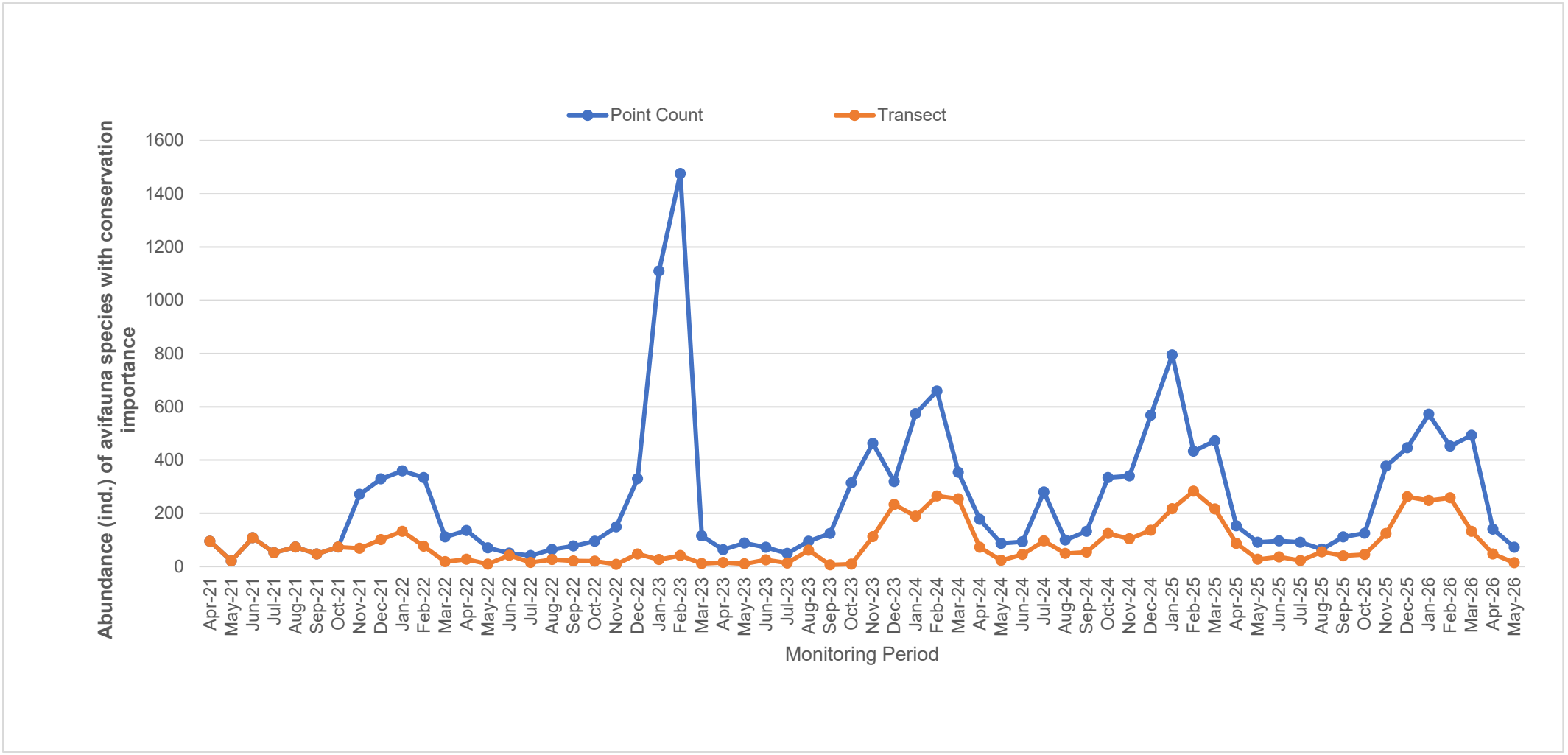
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (07 May 2026)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Ixobrychus sinensis	1	0.0714	-2.6391	-0.1885	0.4975
Ardeola bacchus	4	0.2857	-1.2528	-0.3579	0.4484
Egretta garzetta	5	0.3571	-1.0296	-0.3677	0.3786
Tringa nebularia	1	0.0714	-2.6391	-0.1885	0.4975
Centropus sinensis	2	0.1429	-1.9459	-0.2780	0.5409
Halcyon smyrnensis	1	0.0714	-2.6391	-0.1885	0.4975
Total	14	1	-12.1455	-1.5692	2.8604
Richness	6				
SS	2.8604				
SQ	2.4622				
H	1.5692				
S^2H	0.04119				

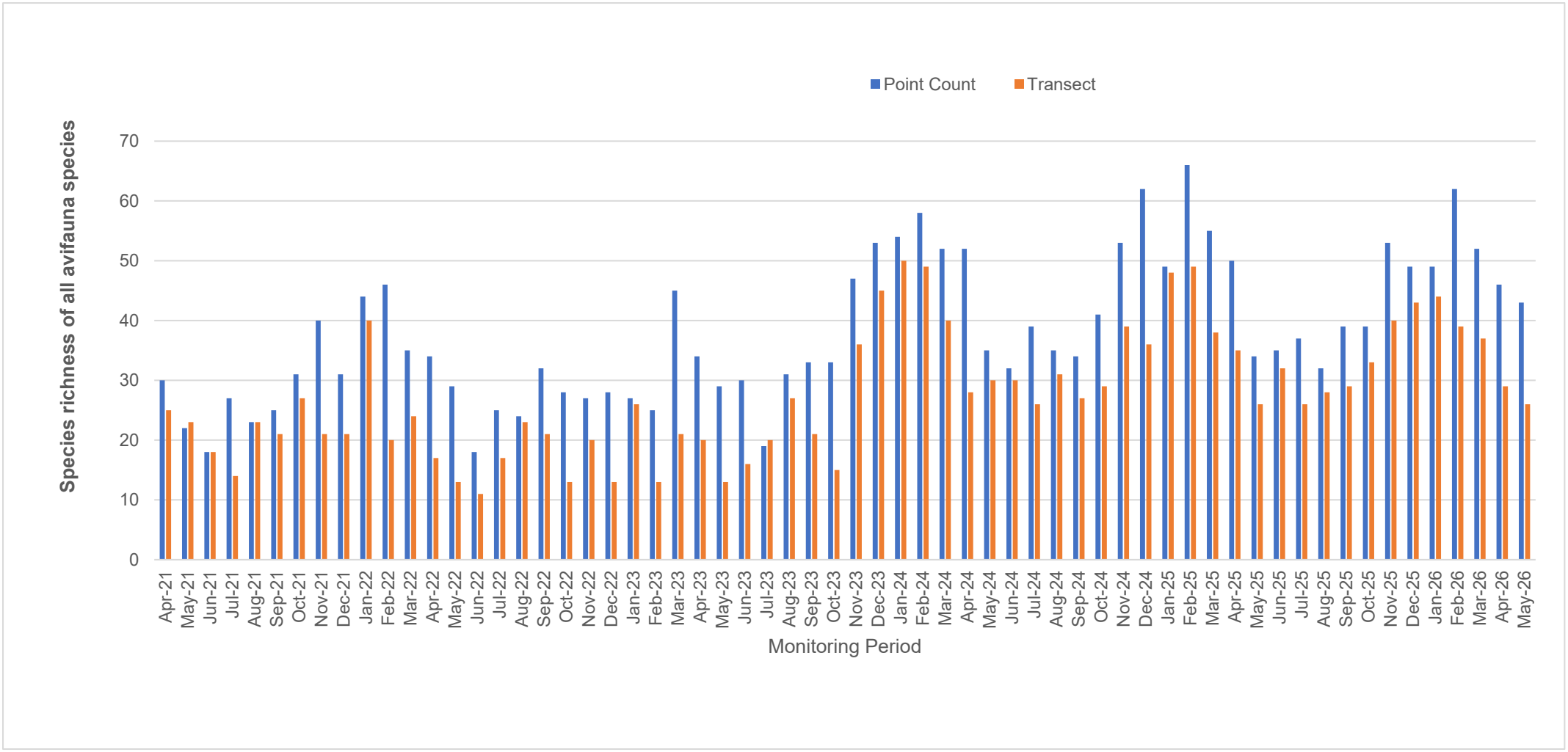
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



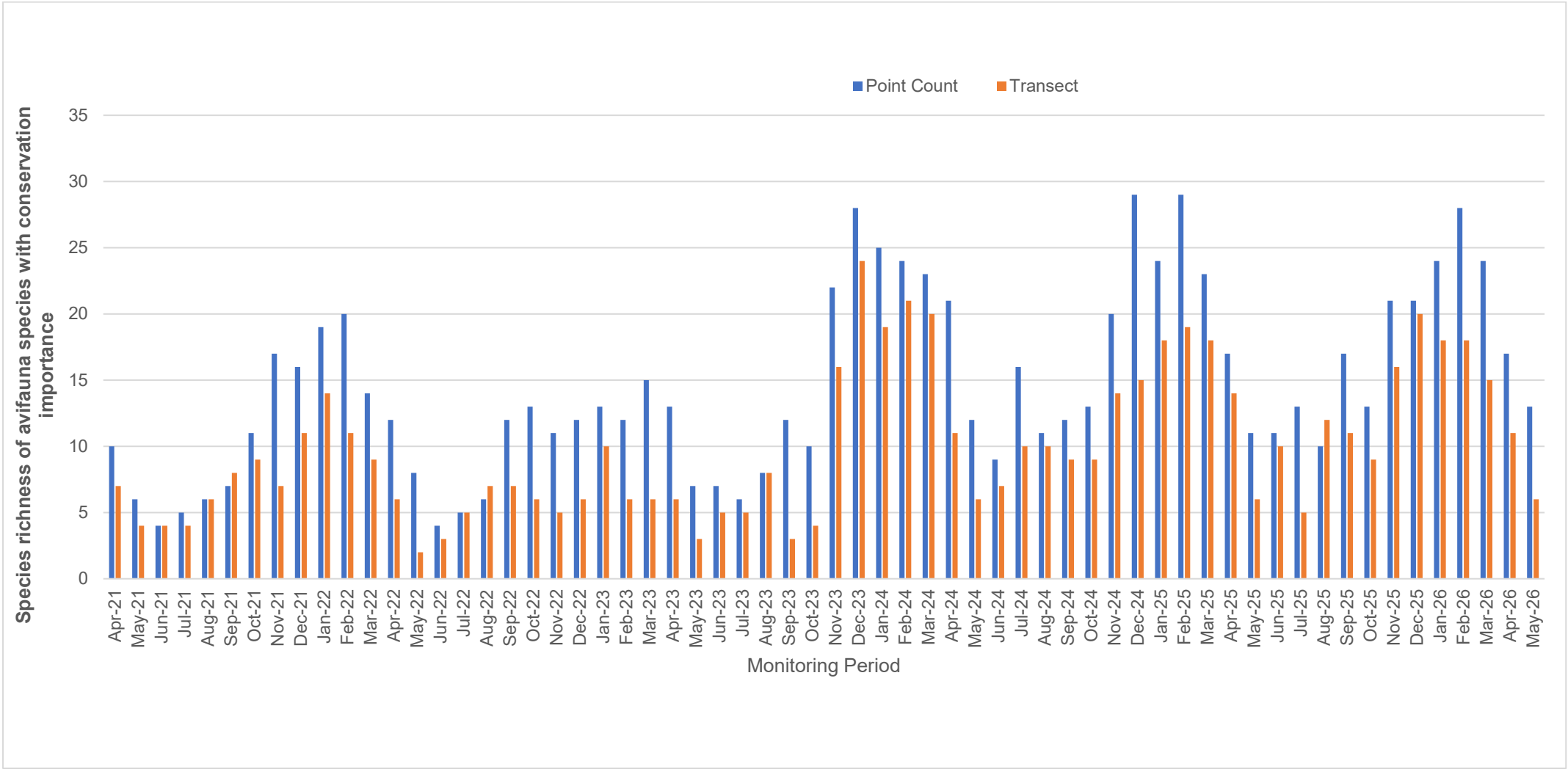
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



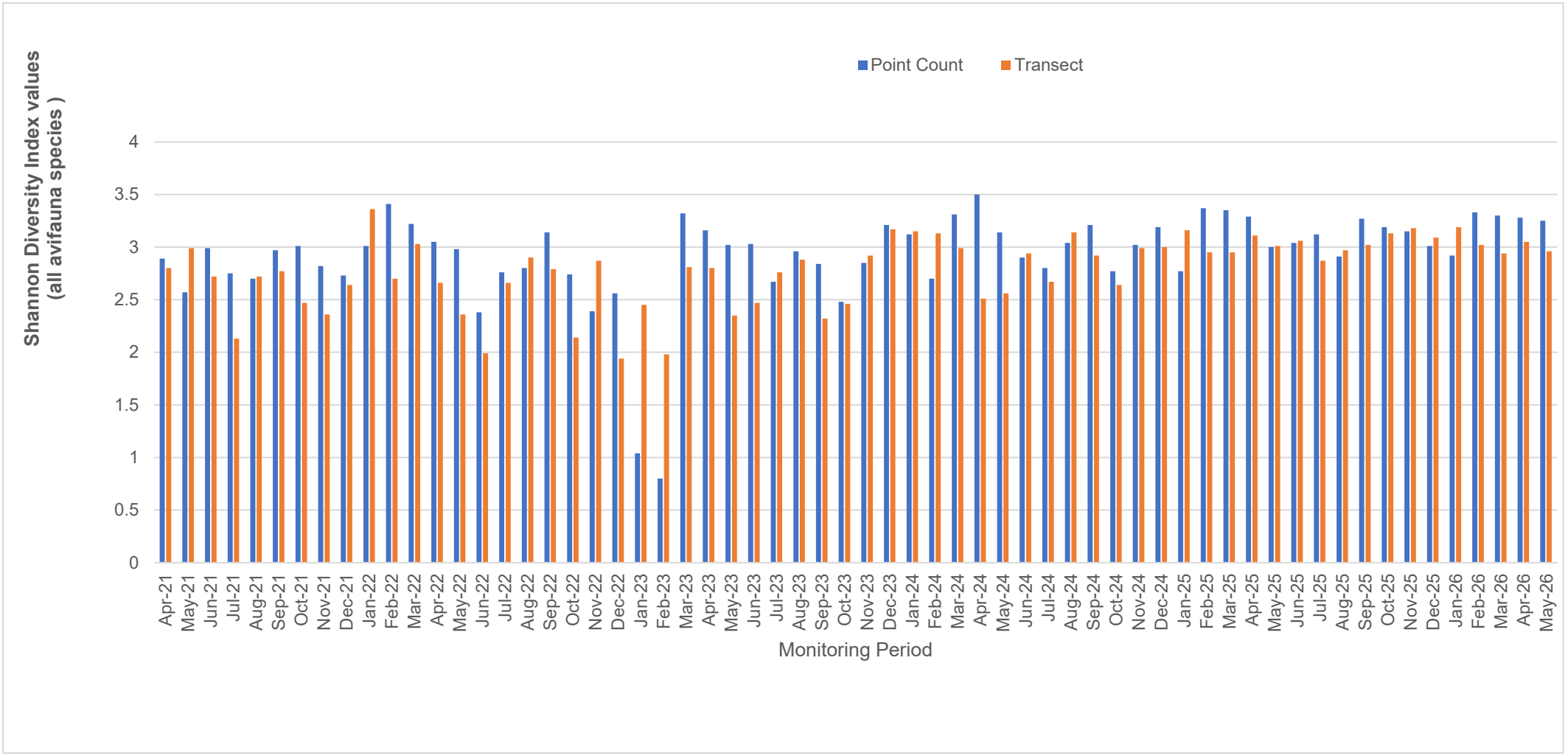
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



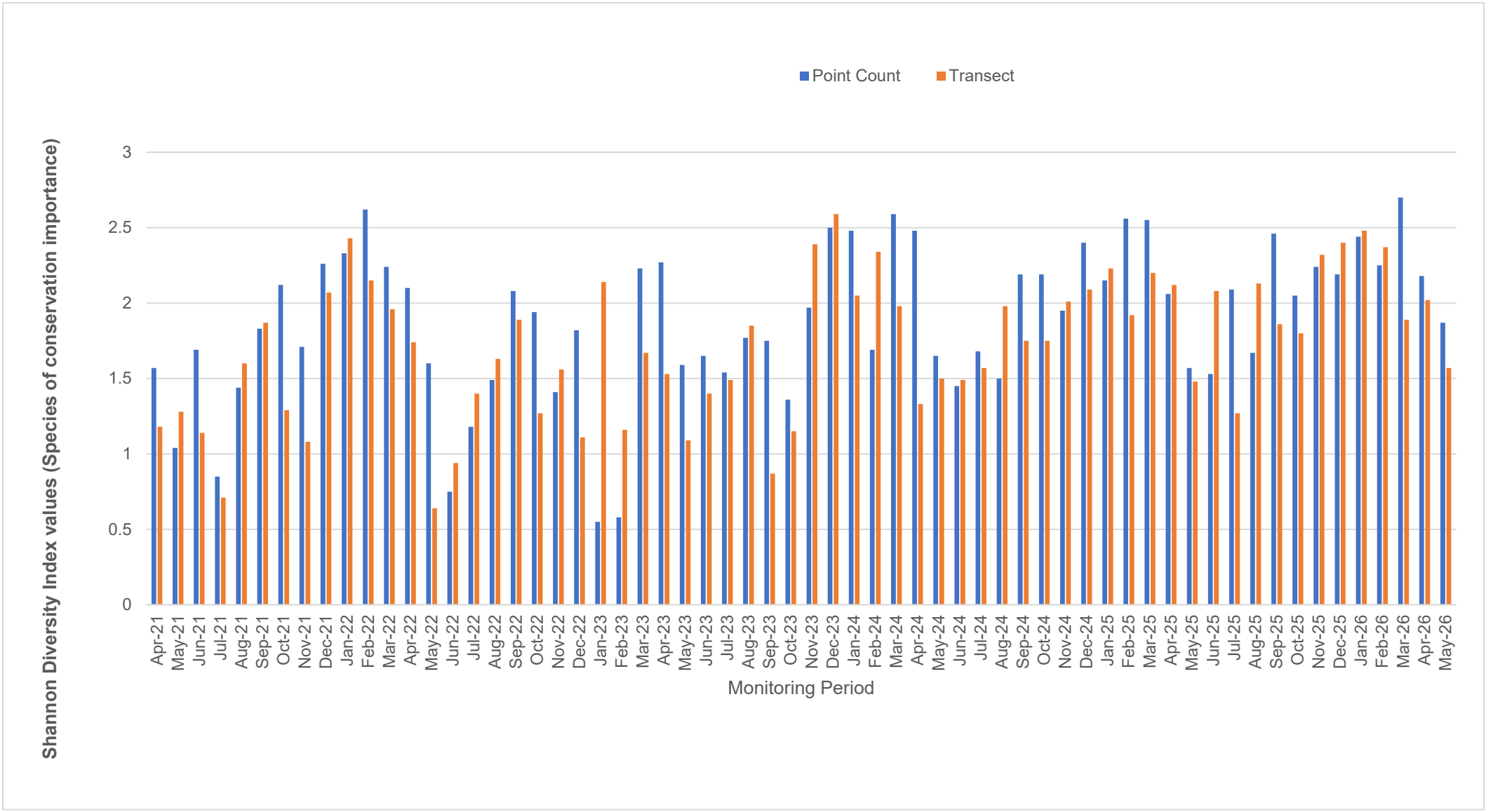
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



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	May 2017	May 2026
Total	190	341
Richness	31	43
H	3.1340	3.2486
S^2H	0.002979	0.002579
t	1.5372	
df	466.5279	
Crit	1.9651	
p	1.25E-01	
CI	0.1092	0.1016

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

Months	May 2017	May 2026
Total	2	92
Richness	1	26
H	0.0000	2.9563
S^2H	0.00000	0.007178
t	34.8933	
df	92.0000	
Crit	1.9861	
p	7.61E-55	
CI	0.0000	0.1694

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

Months	May 2017	May 2026
Total	71	72
Richness	7	13
H	1.7237	1.8704
S^2H	0.004952	0.02113099
t	0.9082	
df	103.9107	
Crit	1.9833	
p	3.66E-01	
CI	0.1407	0.2907

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

Months	May 2017	May 2026
Total	2	14
Richness	1	6
H	0.0000	1.5692
S^2H	0.00000	0.04119
t	7.7313	
df	14.0000	
Crit	2.1448	
p	2.03E-06	
CI	0.0000	0.4059

Appendix G
Wind Data

Date	Wind Speed (m/s)	Wind Direction
1/5/2026 0:00	2.8	NE
1/5/2026 1:00	2.9	NE
1/5/2026 2:00	2.1	NE
1/5/2026 3:00	2.0	N
1/5/2026 4:00	3.3	NE
1/5/2026 5:00	2.3	NE
1/5/2026 6:00	2.0	NW
1/5/2026 7:00	3.6	NE
1/5/2026 8:00	3.0	E
1/5/2026 9:00	3.5	E
1/5/2026 10:00	3.4	NE
1/5/2026 11:00	2.5	NE
1/5/2026 12:00	3.2	E
1/5/2026 13:00	2.3	NE
1/5/2026 14:00	3.2	SW
1/5/2026 15:00	3.1	E
1/5/2026 16:00	3.1	E
1/5/2026 17:00	2.2	E
1/5/2026 18:00	3.4	E
1/5/2026 19:00	3.0	E
1/5/2026 20:00	1.8	SE
1/5/2026 21:00	1.8	E
1/5/2026 22:00	2.5	E
1/5/2026 23:00	2.3	NW
1/5/2026 0:00	3.2	E
2/5/2026 1:00	2.9	NW
2/5/2026 2:00	2.9	NE

Date	Wind Speed (m/s)	Wind Direction
2/5/2026 3:00	1.7	S
2/5/2026 4:00	1.9	SE
2/5/2026 5:00	2.6	NE
2/5/2026 6:00	2.4	NE
2/5/2026 7:00	2.1	E
2/5/2026 8:00	3.5	SE
2/5/2026 9:00	2.1	S
2/5/2026 10:00	3.3	S
2/5/2026 11:00	3.5	S
2/5/2026 12:00	3.7	SE
2/5/2026 13:00	2.3	SE
2/5/2026 14:00	2.8	SE
2/5/2026 15:00	3.4	S
2/5/2026 16:00	2.9	S
2/5/2026 17:00	3.4	SE
2/5/2026 18:00	3.8	S
2/5/2026 19:00	3.0	E
2/5/2026 20:00	3.6	S
2/5/2026 21:00	2.3	E
2/5/2026 22:00	2.8	E
2/5/2026 23:00	1.7	N
2/5/2026 0:00	3.0	E
3/5/2026 1:00	1.7	W
3/5/2026 2:00	1.8	E
3/5/2026 3:00	2.8	W
3/5/2026 4:00	2.9	E
3/5/2026 5:00	1.8	S

Date	Wind Speed (m/s)	Wind Direction
3/5/2026 6:00	2.6	S
3/5/2026 7:00	2.0	NW
3/5/2026 8:00	3.4	SE
3/5/2026 9:00	3.3	W
3/5/2026 10:00	4.1	NW
3/5/2026 11:00	3.7	N
3/5/2026 12:00	3.4	E
3/5/2026 13:00	2.8	NE
3/5/2026 14:00	3.0	SE
3/5/2026 15:00	1.8	W
3/5/2026 16:00	3.1	SE
3/5/2026 17:00	1.8	E
3/5/2026 18:00	1.7	W
3/5/2026 19:00	3.5	NW
3/5/2026 20:00	3.5	E
3/5/2026 21:00	3.1	NW
3/5/2026 22:00	3.1	N
3/5/2026 23:00	3.0	SE
3/5/2026 0:00	3.0	E
4/5/2026 1:00	3.0	N
4/5/2026 2:00	3.0	NE
4/5/2026 3:00	2.9	N
4/5/2026 4:00	2.0	E
4/5/2026 5:00	3.0	N
4/5/2026 6:00	2.2	NE
4/5/2026 7:00	4.2	NE
4/5/2026 8:00	3.3	NE

Date	Wind Speed (m/s)	Wind Direction
4/5/2026 9:00	3.6	N
4/5/2026 10:00	3.1	W
4/5/2026 11:00	3.1	NE
4/5/2026 12:00	2.3	NE
4/5/2026 13:00	2.2	E
4/5/2026 14:00	3.0	NE
4/5/2026 15:00	3.4	E
4/5/2026 16:00	3.2	NE
4/5/2026 17:00	3.4	NE
4/5/2026 18:00	4.1	NW
4/5/2026 19:00	3.0	NE
4/5/2026 20:00	2.2	NE
4/5/2026 21:00	3.7	NE
4/5/2026 22:00	4.4	NE
4/5/2026 23:00	3.3	E
4/5/2026 0:00	2.2	N
5/5/2026 1:00	2.2	NE
5/5/2026 2:00	3.2	NE
5/5/2026 3:00	2.9	E
5/5/2026 4:00	2.0	E
5/5/2026 5:00	2.9	NE
5/5/2026 6:00	2.4	NE
5/5/2026 7:00	3.1	NE
5/5/2026 8:00	2.1	NE
5/5/2026 9:00	3.0	NE
5/5/2026 10:00	3.1	NW
5/5/2026 11:00	2.1	E

Date	Wind Speed (m/s)	Wind Direction
5/5/2026 12:00	1.9	E
5/5/2026 13:00	3.3	W
5/5/2026 14:00	3.1	NE
5/5/2026 15:00	3.1	E
5/5/2026 16:00	2.1	NE
5/5/2026 17:00	2.8	E
5/5/2026 18:00	2.0	NE
5/5/2026 19:00	2.2	N
5/5/2026 20:00	1.7	NE
5/5/2026 21:00	2.8	S
5/5/2026 22:00	2.8	N
5/5/2026 23:00	2.8	E
5/5/2026 0:00	3.2	NE
6/5/2026 1:00	3.2	NE
6/5/2026 2:00	2.1	NE
6/5/2026 3:00	2.1	N
6/5/2026 4:00	2.0	NW
6/5/2026 5:00	2.8	E
6/5/2026 6:00	3.0	NE
6/5/2026 7:00	3.1	NE
6/5/2026 8:00	3.6	NE
6/5/2026 9:00	2.4	NW
6/5/2026 10:00	1.9	NE
6/5/2026 11:00	2.7	N
6/5/2026 12:00	2.0	N
6/5/2026 13:00	3.2	NE
6/5/2026 14:00	2.2	NE

Date	Wind Speed (m/s)	Wind Direction
6/5/2026 15:00	3.3	N
6/5/2026 16:00	3.2	NE
6/5/2026 17:00	1.9	E
6/5/2026 18:00	1.9	SE
6/5/2026 19:00	2.2	E
6/5/2026 20:00	2.8	E
6/5/2026 21:00	2.8	E
6/5/2026 22:00	2.8	NW
6/5/2026 23:00	2.8	N
6/5/2026 0:00	1.9	NW
7/5/2026 1:00	1.9	E
7/5/2026 2:00	1.7	SE
7/5/2026 3:00	3.1	NW
7/5/2026 4:00	3.0	NE
7/5/2026 5:00	3.1	E
7/5/2026 6:00	2.8	NE
7/5/2026 7:00	3.3	NE
7/5/2026 8:00	3.6	E
7/5/2026 9:00	2.0	E
7/5/2026 10:00	4.1	SE
7/5/2026 11:00	3.4	SE
7/5/2026 12:00	3.3	E
7/5/2026 13:00	2.3	NW
7/5/2026 14:00	2.4	SW
7/5/2026 15:00	3.3	S
7/5/2026 16:00	3.1	SE
7/5/2026 17:00	2.9	S

Date	Wind Speed (m/s)	Wind Direction
7/5/2026 18:00	3.7	S
7/5/2026 19:00	3.6	E
7/5/2026 20:00	2.8	SE
7/5/2026 21:00	2.7	NE
7/5/2026 22:00	1.7	NE
7/5/2026 23:00	2.8	S
7/5/2026 0:00	1.7	E
8/5/2026 1:00	2.2	E
8/5/2026 2:00	2.8	E
8/5/2026 3:00	1.7	E
8/5/2026 4:00	2.8	E
8/5/2026 5:00	3.1	NE
8/5/2026 6:00	3.0	NE
8/5/2026 7:00	2.4	NE
8/5/2026 8:00	2.5	NW
8/5/2026 9:00	2.1	NE
8/5/2026 10:00	3.0	NW
8/5/2026 11:00	3.1	NW
8/5/2026 12:00	2.1	W
8/5/2026 13:00	3.3	E
8/5/2026 14:00	3.1	E
8/5/2026 15:00	2.9	E
8/5/2026 16:00	2.9	NE
8/5/2026 17:00	3.0	SE
8/5/2026 18:00	3.2	SE
8/5/2026 19:00	3.0	E
8/5/2026 20:00	2.6	NE

Date	Wind Speed (m/s)	Wind Direction
8/5/2026 21:00	3.0	NE
8/5/2026 22:00	3.3	N
8/5/2026 23:00	3.0	NE
8/5/2026 0:00	3.7	NE
9/5/2026 1:00	1.9	E
9/5/2026 2:00	2.9	NE
9/5/2026 3:00	3.0	NE
9/5/2026 4:00	3.1	NE
9/5/2026 5:00	3.5	NE
9/5/2026 6:00	3.2	E
9/5/2026 7:00	3.2	SE
9/5/2026 8:00	1.9	SW
9/5/2026 9:00	3.8	E
9/5/2026 10:00	3.2	E
9/5/2026 11:00	1.7	N
9/5/2026 12:00	1.9	N
9/5/2026 13:00	2.6	E
9/5/2026 14:00	3.1	NE
9/5/2026 15:00	1.9	SE
9/5/2026 16:00	2.0	NE
9/5/2026 17:00	1.8	E
9/5/2026 18:00	1.9	N
9/5/2026 19:00	3.0	E
9/5/2026 20:00	2.7	NE
9/5/2026 21:00	1.9	NE
9/5/2026 22:00	3.0	NE
9/5/2026 23:00	2.9	E

Date	Wind Speed (m/s)	Wind Direction
9/5/2026 0:00	2.7	NE
10/5/2026 1:00	1.7	N
10/5/2026 2:00	3.3	NE
10/5/2026 3:00	2.8	W
10/5/2026 4:00	2.8	SE
10/5/2026 5:00	3.4	E
10/5/2026 6:00	2.9	E
10/5/2026 7:00	2.6	NE
10/5/2026 8:00	3.2	SE
10/5/2026 9:00	3.1	E
10/5/2026 10:00	2.9	NE
10/5/2026 11:00	2.7	SE
10/5/2026 12:00	3.3	SE
10/5/2026 13:00	3.3	SE
10/5/2026 14:00	2.2	NE
10/5/2026 15:00	2.2	N
10/5/2026 16:00	2.5	NE
10/5/2026 17:00	2.9	E
10/5/2026 18:00	2.8	E
10/5/2026 19:00	1.7	SE
10/5/2026 20:00	1.7	SE
10/5/2026 21:00	2.8	E
10/5/2026 22:00	2.8	E
10/5/2026 23:00	2.8	E
10/5/2026 0:00	2.8	SW
11/5/2026 1:00	1.7	E
11/5/2026 2:00	1.7	E

Date	Wind Speed (m/s)	Wind Direction
11/5/2026 3:00	3.0	SE
11/5/2026 4:00	2.8	SE
11/5/2026 5:00	2.6	E
11/5/2026 6:00	2.8	E
11/5/2026 7:00	2.7	NW
11/5/2026 8:00	3.1	W
11/5/2026 9:00	3.5	NW
11/5/2026 10:00	4.2	NW
11/5/2026 11:00	3.9	NW
11/5/2026 12:00	3.4	SW
11/5/2026 13:00	3.5	NW
11/5/2026 14:00	3.3	W
11/5/2026 15:00	3.6	NW
11/5/2026 16:00	2.4	NW
11/5/2026 17:00	2.9	SE
11/5/2026 18:00	2.2	S
11/5/2026 19:00	3.3	S
11/5/2026 20:00	3.3	SE
11/5/2026 21:00	3.1	SE
11/5/2026 22:00	2.2	S
11/5/2026 23:00	3.4	S
11/5/2026 0:00	2.8	SE
12/5/2026 1:00	2.8	SE
12/5/2026 2:00	3.2	E
12/5/2026 3:00	3.0	S
12/5/2026 4:00	2.8	SE
12/5/2026 5:00	2.0	E

Date	Wind Speed (m/s)	Wind Direction
12/5/2026 6:00	3.0	W
12/5/2026 7:00	3.2	W
12/5/2026 8:00	4.3	NW
12/5/2026 9:00	3.2	W
12/5/2026 10:00	3.2	W
12/5/2026 11:00	3.9	NW
12/5/2026 12:00	3.8	W
12/5/2026 13:00	3.4	NW
12/5/2026 14:00	3.4	NW
12/5/2026 15:00	3.7	W
12/5/2026 16:00	2.9	S
12/5/2026 17:00	3.3	S
12/5/2026 18:00	3.5	S
12/5/2026 19:00	3.1	S
12/5/2026 20:00	3.6	S
12/5/2026 21:00	3.2	S
12/5/2026 22:00	3.4	SE
12/5/2026 23:00	3.2	S
12/5/2026 0:00	2.6	S
13/5/2026 1:00	1.8	SE
13/5/2026 2:00	2.2	S
13/5/2026 3:00	2.9	S
13/5/2026 4:00	2.7	S
13/5/2026 5:00	2.5	SE
13/5/2026 6:00	3.3	SW
13/5/2026 7:00	3.7	SE
13/5/2026 8:00	2.6	SE

Date	Wind Speed (m/s)	Wind Direction
13/5/2026 9:00	3.5	SE
13/5/2026 10:00	2.6	S
13/5/2026 11:00	3.8	S
13/5/2026 12:00	2.8	S
13/5/2026 13:00	4.0	SE
13/5/2026 14:00	3.7	E
13/5/2026 15:00	3.2	E
13/5/2026 16:00	4.1	S
13/5/2026 17:00	3.5	S
13/5/2026 18:00	3.5	SE
13/5/2026 19:00	3.8	E
13/5/2026 20:00	3.7	S
13/5/2026 21:00	4.3	S
13/5/2026 22:00	2.2	S
13/5/2026 23:00	2.5	SE
13/5/2026 0:00	3.3	W
14/5/2026 1:00	3.3	S
14/5/2026 2:00	3.3	SE
14/5/2026 3:00	3.4	SE
14/5/2026 4:00	3.2	SE
14/5/2026 5:00	2.5	SE
14/5/2026 6:00	2.7	NE
14/5/2026 7:00	4.0	S
14/5/2026 8:00	4.2	SW
14/5/2026 9:00	3.8	SE
14/5/2026 10:00	2.7	S
14/5/2026 11:00	3.8	S

Date	Wind Speed (m/s)	Wind Direction
14/5/2026 12:00	3.9	S
14/5/2026 13:00	3.0	SW
14/5/2026 14:00	3.4	S
14/5/2026 15:00	2.9	E
14/5/2026 16:00	2.7	SE
14/5/2026 17:00	1.7	NE
14/5/2026 18:00	3.7	S
14/5/2026 19:00	2.8	SE
14/5/2026 20:00	2.6	SE
14/5/2026 21:00	2.1	SE
14/5/2026 22:00	2.8	SE
14/5/2026 23:00	2.8	SE
14/5/2026 0:00	2.8	E
15/5/2026 1:00	2.8	SE
15/5/2026 2:00	2.8	E
15/5/2026 3:00	2.9	NW
15/5/2026 4:00	3.1	NE
15/5/2026 5:00	3.2	NE
15/5/2026 6:00	2.1	N
15/5/2026 7:00	4.7	E
15/5/2026 8:00	2.8	E
15/5/2026 9:00	3.2	E
15/5/2026 10:00	4.7	E
15/5/2026 11:00	2.9	NE
15/5/2026 12:00	2.4	NE
15/5/2026 13:00	2.5	NE
15/5/2026 14:00	2.4	N

Date	Wind Speed (m/s)	Wind Direction
15/5/2026 15:00	3.3	NE
15/5/2026 16:00	3.5	NE
15/5/2026 17:00	2.4	NE
15/5/2026 18:00	3.1	N
15/5/2026 19:00	3.3	SE
15/5/2026 20:00	1.7	SE
15/5/2026 21:00	3.2	NE
15/5/2026 22:00	3.0	S
15/5/2026 23:00	1.7	W
15/5/2026 0:00	2.8	NW
16/5/2026 1:00	1.9	SE
16/5/2026 2:00	3.4	N
16/5/2026 3:00	3.3	NE
16/5/2026 4:00	4.6	E
16/5/2026 5:00	2.8	E
16/5/2026 6:00	4.7	NE
16/5/2026 7:00	4.8	NE
16/5/2026 8:00	2.8	NE
16/5/2026 9:00	4.2	E
16/5/2026 10:00	4.9	E
16/5/2026 11:00	3.1	NE
16/5/2026 12:00	5.4	E
16/5/2026 13:00	4.7	E
16/5/2026 14:00	2.1	N
16/5/2026 15:00	5.1	NE
16/5/2026 16:00	3.4	NE
16/5/2026 17:00	5.5	N

Date	Wind Speed (m/s)	Wind Direction
16/5/2026 18:00	3.2	NE
16/5/2026 19:00	4.1	E
16/5/2026 20:00	3.8	NE
16/5/2026 21:00	5.6	NE
16/5/2026 22:00	4.6	NE
16/5/2026 23:00	4.3	E
16/5/2026 0:00	4.7	E
17/5/2026 1:00	2.3	NE
17/5/2026 2:00	3.0	N
17/5/2026 3:00	3.0	NE
17/5/2026 4:00	3.6	NE
17/5/2026 5:00	5.4	E
17/5/2026 6:00	3.3	NE
17/5/2026 7:00	3.5	NE
17/5/2026 8:00	4.2	NE
17/5/2026 9:00	4.7	NE
17/5/2026 10:00	3.9	N
17/5/2026 11:00	4.8	E
17/5/2026 12:00	4.8	E
17/5/2026 13:00	4.0	E
17/5/2026 14:00	4.3	NE
17/5/2026 15:00	4.6	NE
17/5/2026 16:00	2.8	E
17/5/2026 17:00	3.8	E
17/5/2026 18:00	2.7	E
17/5/2026 19:00	4.1	NE
17/5/2026 20:00	3.6	NE

Date	Wind Speed (m/s)	Wind Direction
17/5/2026 21:00	3.8	NE
17/5/2026 22:00	3.5	E
17/5/2026 23:00	3.7	NE
17/5/2026 0:00	4.2	E
18/5/2026 1:00	2.3	N
18/5/2026 2:00	2.5	E
18/5/2026 3:00	2.4	SE
18/5/2026 4:00	4.1	E
18/5/2026 5:00	3.0	SE
18/5/2026 6:00	2.4	SE
18/5/2026 7:00	2.9	E
18/5/2026 8:00	3.7	SE
18/5/2026 9:00	4.0	E
18/5/2026 10:00	3.3	NE
18/5/2026 11:00	4.3	NE
18/5/2026 12:00	2.8	E
18/5/2026 13:00	3.1	E
18/5/2026 14:00	4.2	NE
18/5/2026 15:00	3.6	SE
18/5/2026 16:00	3.0	NE
18/5/2026 17:00	3.6	NE
18/5/2026 18:00	3.4	E
18/5/2026 19:00	3.6	NE
18/5/2026 20:00	3.7	NE
18/5/2026 21:00	2.6	SE
18/5/2026 22:00	3.7	N
18/5/2026 23:00	2.3	NE

Date	Wind Speed (m/s)	Wind Direction
18/5/2026 0:00	3.8	E
19/5/2026 1:00	3.2	NE
19/5/2026 2:00	2.8	NE
19/5/2026 3:00	2.1	NE
19/5/2026 4:00	2.6	E
19/5/2026 5:00	3.5	SE
19/5/2026 6:00	3.6	SE
19/5/2026 7:00	3.2	SE
19/5/2026 8:00	3.3	E
19/5/2026 9:00	2.8	SE
19/5/2026 10:00	3.3	W
19/5/2026 11:00	1.9	N
19/5/2026 12:00	3.2	SE
19/5/2026 13:00	2.4	E
19/5/2026 14:00	1.8	E
19/5/2026 15:00	3.1	SE
19/5/2026 16:00	1.7	E
19/5/2026 17:00	2.8	SE
19/5/2026 18:00	2.8	E
19/5/2026 19:00	2.8	E
19/5/2026 20:00	2.8	E
19/5/2026 21:00	2.8	NE
19/5/2026 22:00	2.8	NE
19/5/2026 23:00	2.8	NE
19/5/2026 0:00	2.8	E
20/5/2026 1:00	2.0	SE
20/5/2026 2:00	4.0	SE

Date	Wind Speed (m/s)	Wind Direction
20/5/2026 3:00	3.4	SE
20/5/2026 4:00	4.3	SE
20/5/2026 5:00	2.4	E
20/5/2026 6:00	2.8	SE
20/5/2026 7:00	4.4	S
20/5/2026 8:00	3.7	SE
20/5/2026 9:00	3.0	SE
20/5/2026 10:00	3.3	S
20/5/2026 11:00	5.1	SE
20/5/2026 12:00	2.5	SE
20/5/2026 13:00	3.9	S
20/5/2026 14:00	3.3	S
20/5/2026 15:00	2.9	S
20/5/2026 16:00	3.0	SE
20/5/2026 17:00	2.3	SE
20/5/2026 18:00	3.2	SE
20/5/2026 19:00	2.8	W
20/5/2026 20:00	3.1	N
20/5/2026 21:00	2.8	SW
20/5/2026 22:00	2.8	W
20/5/2026 23:00	3.7	W
20/5/2026 0:00	3.4	NE
21/5/2026 1:00	2.5	SE
21/5/2026 2:00	2.8	E
21/5/2026 3:00	2.8	E
21/5/2026 4:00	2.8	NE
21/5/2026 5:00	3.0	NE

Date	Wind Speed (m/s)	Wind Direction
21/5/2026 6:00	2.9	NW
21/5/2026 7:00	4.0	W
21/5/2026 8:00	2.0	W
21/5/2026 9:00	2.8	NW
21/5/2026 10:00	1.8	W
21/5/2026 11:00	1.7	W
21/5/2026 12:00	2.9	SE
21/5/2026 13:00	2.7	S
21/5/2026 14:00	2.3	SW
21/5/2026 15:00	3.2	S
21/5/2026 16:00	2.3	S
21/5/2026 17:00	3.6	SE
21/5/2026 18:00	3.1	S
21/5/2026 19:00	2.8	S
21/5/2026 20:00	3.5	SE
21/5/2026 21:00	3.1	SE
21/5/2026 22:00	3.6	W
21/5/2026 23:00	2.8	W
21/5/2026 0:00	2.8	N
22/5/2026 1:00	2.8	W
22/5/2026 2:00	2.8	SE
22/5/2026 3:00	2.8	SE
22/5/2026 4:00	2.5	E
22/5/2026 5:00	1.7	S
22/5/2026 6:00	3.2	S
22/5/2026 7:00	3.1	W
22/5/2026 8:00	3.6	SE

Date	Wind Speed (m/s)	Wind Direction
22/5/2026 9:00	2.6	SE
22/5/2026 10:00	3.3	S
22/5/2026 11:00	4.2	W
22/5/2026 12:00	4.0	W
22/5/2026 13:00	3.6	W
22/5/2026 14:00	3.9	SE
22/5/2026 15:00	4.0	S
22/5/2026 16:00	3.3	SE
22/5/2026 17:00	4.0	SE
22/5/2026 18:00	3.3	SE
22/5/2026 19:00	4.0	S
22/5/2026 20:00	3.3	S
22/5/2026 21:00	3.2	SE
22/5/2026 22:00	3.3	S
22/5/2026 23:00	2.7	S
22/5/2026 0:00	2.1	S
23/5/2026 1:00	2.8	SE
23/5/2026 2:00	1.7	SE
23/5/2026 3:00	2.8	SE
23/5/2026 4:00	2.6	S
23/5/2026 5:00	3.1	E
23/5/2026 6:00	3.7	SE
23/5/2026 7:00	3.4	S
23/5/2026 8:00	4.2	SE
23/5/2026 9:00	4.1	SE
23/5/2026 10:00	3.8	SE
23/5/2026 11:00	2.6	S

Date	Wind Speed (m/s)	Wind Direction
23/5/2026 12:00	3.8	S
23/5/2026 13:00	2.9	SW
23/5/2026 14:00	3.9	SE
23/5/2026 15:00	2.3	SE
23/5/2026 16:00	3.4	SE
23/5/2026 17:00	3.5	SE
23/5/2026 18:00	3.4	SE
23/5/2026 19:00	2.6	E
23/5/2026 20:00	2.6	S
23/5/2026 21:00	3.9	SE
23/5/2026 22:00	3.6	SE
23/5/2026 23:00	2.9	S
23/5/2026 0:00	3.0	S
24/5/2026 1:00	1.8	SW
24/5/2026 2:00	3.3	SE
24/5/2026 3:00	3.2	S
24/5/2026 4:00	2.8	SE
24/5/2026 5:00	2.9	SE
24/5/2026 6:00	3.1	W
24/5/2026 7:00	2.5	S
24/5/2026 8:00	3.4	SW
24/5/2026 9:00	4.0	SE
24/5/2026 10:00	2.8	S
24/5/2026 11:00	2.9	SW
24/5/2026 12:00	4.1	SE
24/5/2026 13:00	4.0	S
24/5/2026 14:00	3.6	SE

Date	Wind Speed (m/s)	Wind Direction
24/5/2026 15:00	3.7	SE
24/5/2026 16:00	4.4	S
24/5/2026 17:00	3.8	E
24/5/2026 18:00	3.0	S
24/5/2026 19:00	2.8	S
24/5/2026 20:00	4.9	SE
24/5/2026 21:00	2.1	S
24/5/2026 22:00	3.6	S
24/5/2026 23:00	4.2	SE
24/5/2026 0:00	2.3	E
25/5/2026 1:00	3.8	S
25/5/2026 2:00	3.2	S
25/5/2026 3:00	3.5	S
25/5/2026 4:00	3.2	S
25/5/2026 5:00	3.3	S
25/5/2026 6:00	3.2	S
25/5/2026 7:00	3.4	SW
25/5/2026 8:00	2.4	S
25/5/2026 9:00	3.3	S
25/5/2026 10:00	3.9	SE
25/5/2026 11:00	3.6	E
25/5/2026 12:00	3.0	SW
25/5/2026 13:00	3.5	S
25/5/2026 14:00	2.8	S
25/5/2026 15:00	2.3	SE
25/5/2026 16:00	2.9	SE
25/5/2026 17:00	2.9	SE

Date	Wind Speed (m/s)	Wind Direction
25/5/2026 18:00	3.3	SE
25/5/2026 19:00	3.5	SE
25/5/2026 20:00	3.1	S
25/5/2026 21:00	3.0	W
25/5/2026 22:00	3.4	SE
25/5/2026 23:00	3.6	S
26/5/2026 0:00	2.3	SE
26/5/2026 1:00	2.9	S
26/5/2026 2:00	1.8	E
26/5/2026 3:00	1.8	S
26/5/2026 4:00	1.8	SE
26/5/2026 5:00	1.8	E
26/5/2026 6:00	2.8	SE
26/5/2026 7:00	1.9	S
26/5/2026 8:00	3.9	SE
26/5/2026 9:00	3.6	S
26/5/2026 10:00	2.7	SE
26/5/2026 11:00	3.6	S
26/5/2026 12:00	3.4	SE
26/5/2026 13:00	3.0	S
26/5/2026 14:00	5.1	SE
26/5/2026 15:00	4.2	SE
26/5/2026 16:00	2.0	SE
26/5/2026 17:00	3.1	SE
26/5/2026 18:00	3.8	SE
26/5/2026 19:00	3.7	S
26/5/2026 20:00	1.8	S

Date	Wind Speed (m/s)	Wind Direction
26/5/2026 21:00	3.8	E
26/5/2026 22:00	4.2	SE
26/5/2026 23:00	2.2	S
27/5/2026 0:00	1.8	SW
27/5/2026 1:00	3.9	SE
27/5/2026 2:00	2.8	SE
27/5/2026 3:00	2.8	SE
27/5/2026 4:00	2.8	SE
27/5/2026 5:00	1.8	S
27/5/2026 6:00	2.8	S
27/5/2026 7:00	3.4	SW
27/5/2026 8:00	3.1	NW
27/5/2026 9:00	1.9	SE
27/5/2026 10:00	3.2	W
27/5/2026 11:00	3.1	NW
27/5/2026 12:00	4.0	NW
27/5/2026 13:00	3.2	W
27/5/2026 14:00	2.5	S
27/5/2026 15:00	3.0	S
27/5/2026 16:00	4.0	S
27/5/2026 17:00	4.1	SE
27/5/2026 18:00	2.8	SE
27/5/2026 19:00	4.2	SE
27/5/2026 20:00	3.1	S
27/5/2026 21:00	2.2	S
27/5/2026 22:00	2.9	SE
27/5/2026 23:00	3.7	SE

Date	Wind Speed (m/s)	Wind Direction
28/5/2026 0:00	2.2	SW
28/5/2026 1:00	2.8	S
28/5/2026 2:00	2.3	S
28/5/2026 3:00	2.8	NE
28/5/2026 4:00	3.3	S
28/5/2026 5:00	3.0	SW
28/5/2026 6:00	3.1	W
28/5/2026 7:00	2.9	W
28/5/2026 8:00	3.0	S
28/5/2026 9:00	4.6	NW
28/5/2026 10:00	4.2	W
28/5/2026 11:00	4.3	W
28/5/2026 12:00	2.9	SW
28/5/2026 13:00	2.9	W
28/5/2026 14:00	4.6	W
28/5/2026 15:00	2.2	SE
28/5/2026 16:00	2.8	S
28/5/2026 17:00	2.5	SW
28/5/2026 18:00	3.4	S
28/5/2026 19:00	3.3	S
28/5/2026 20:00	2.0	S
28/5/2026 21:00	2.9	S
28/5/2026 22:00	2.7	SE
28/5/2026 23:00	1.8	SW
29/5/2026 0:00	2.8	SE
29/5/2026 1:00	2.8	SE
29/5/2026 2:00	3.0	E

Date	Wind Speed (m/s)	Wind Direction
29/5/2026 3:00	3.2	SW
29/5/2026 4:00	2.8	SE
29/5/2026 5:00	2.9	SE
29/5/2026 6:00	2.9	N
29/5/2026 7:00	3.8	W
29/5/2026 8:00	3.9	W
29/5/2026 9:00	5.1	W
29/5/2026 10:00	4.4	NW
29/5/2026 11:00	3.5	NW
29/5/2026 12:00	3.4	NW
29/5/2026 13:00	4.2	SW
29/5/2026 14:00	3.5	NW
29/5/2026 15:00	1.8	N
29/5/2026 16:00	2.9	SE
29/5/2026 17:00	2.9	E
29/5/2026 18:00	1.8	E
29/5/2026 19:00	3.6	NE
29/5/2026 20:00	3.7	NE
29/5/2026 21:00	3.1	NE
29/5/2026 22:00	2.5	E
29/5/2026 23:00	2.9	NE
30/5/2026 0:00	1.7	SE
30/5/2026 1:00	1.9	N
30/5/2026 2:00	1.7	NE
30/5/2026 3:00	1.9	N
30/5/2026 4:00	1.8	E
30/5/2026 5:00	1.9	NE

Date	Wind Speed (m/s)	Wind Direction
30/5/2026 6:00	2.1	S
30/5/2026 7:00	3.1	NE
30/5/2026 8:00	2.9	SE
30/5/2026 9:00	2.0	N
30/5/2026 10:00	4.2	NW
30/5/2026 11:00	3.4	NW
30/5/2026 12:00	4.4	W
30/5/2026 13:00	3.0	NW
30/5/2026 14:00	3.0	S
30/5/2026 15:00	3.4	SE
30/5/2026 16:00	3.4	SE
30/5/2026 17:00	3.3	S
30/5/2026 18:00	3.6	SE
30/5/2026 19:00	3.5	S
30/5/2026 20:00	2.8	SE
30/5/2026 21:00	3.0	E
30/5/2026 22:00	2.8	SE
30/5/2026 23:00	2.8	SE
31/5/2026 0:00	1.7	S
31/5/2026 1:00	1.7	E
31/5/2026 2:00	2.8	E
31/5/2026 3:00	2.8	N
31/5/2026 4:00	3.0	NE
31/5/2026 5:00	2.8	E
31/5/2026 6:00	1.8	E
31/5/2026 7:00	3.4	W
31/5/2026 8:00	3.0	W

Date	Wind Speed (m/s)	Wind Direction
31/5/2026 9:00	2.2	NE
31/5/2026 10:00	2.9	SW
31/5/2026 11:00	3.7	SE
31/5/2026 12:00	3.0	SE
31/5/2026 13:00	3.0	W
31/5/2026 14:00	2.1	S
31/5/2026 15:00	3.2	SE
31/5/2026 16:00	3.4	SE
31/5/2026 17:00	3.8	SW
31/5/2026 18:00	2.1	SE
31/5/2026 19:00	1.8	SE
31/5/2026 20:00	2.5	E
31/5/2026 21:00	1.7	SE
31/5/2026 22:00	2.8	SE
31/5/2026 23:00	2.8	NE
1/6/2026 0:00	2.9	NE

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 May 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	2,060.41	0.00	0.00	0.00	1,801.59	0.00	0.00	0.0000	0.0000	0.00	258.82
Apr 2026	1,871.48	0.00	0.00	0.00	1,593.98	0.00	0.00	0.2329	0.0054	0.00	277.26
May 2026	2,214.86	0.00	0.00	0.00	1,980.90	0.00	0.00	0.0000	0.0000	0.18	233.78
Jun 2026											
Jul 2026											
Aug 2026											
Sept 2026											
Oct 2026											
Nov 2026											
Dec 2026											
Sub-total	7,277.00	0.00	0.00	0.00	6,070.88	0.00	0.00	0.5035	0.0156	0.18	1,205.42

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 till 1st June 2026
(6) Data may be continuously updated due to receipt timing.

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

Monthly Summary Waste Flow Table May 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	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Apr 2026	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
May 2026	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
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 till 1st June 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

April 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)		
April 2026						
1	1012.4	28.9	24.1	20.9	75	0
2	1012.9	25.8	23.6	22.5	83	0
3	1008.5	28.5	25.8	22.2	81	0
4	1007.1	27.5	24.1	22.2	92	33.5
5	1007.3	25.5	24.1	22.3	92	0.5
6	1007.2	28.8	26.3	24.4	87	0
7	1008.7	30.2	26.9	25.4	87	0
8	1012.1#	26.5#	23.4#	22.1#	87#	0
9	1010.8	29.3	25.2	21.1	84	0
10	1009.4	30	26.4	23.2	82	0
11	1008.4	27.8	26.2	25	86	0
12	1008.9	29.2	26.4	24.7	84	0
13	1010.7	30.2	26.7	24.6	82	0
14	1010.8	30.2	26.5	23.6	84	0
15	1009.8	30.6	26.2	22.6	84	0
16	1010.6	30.8#	26.3	23.0#	79	0
17	1011.9	28.6	24	21.7	88	4.5
18	1011.2	29.7	24.8	20.7	81	0
19	1011	31.4	25.9	21.2	79	0
20	1011.4	30.8	25.9	22.4	81	0
21	1010.1	29.6	26.6	24.3	81	0
22	1008.3	30.5	27	23.8	76	0
23	1008.5	29.2	24.5	20.2	87	25
24	1013.2	21.1	19.1	17.6	90	26.5
25	1014.7	28.8	22.7	17.7	82	0
26	1013.1	29.9	24.5	20.4	79	0
27	1011.9	29.4	24.7	20.5	80	0
28	1009.8	30.1	25.8	22.3	84	0
29	1010.4	29	25	21.6	83	8
30	1014.8	27.1	22.2	19.3	66	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

May 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)		
May 2026						
1	1014.2	26.9	24.0	22.1	76	Trace
2	1011.7	27.0	25.2	24.1	83	Trace
3	1011.5	29.6	25.1	22.8	87	45.4
4	1014.6	27.6	23.7	21.9	79	1.2
5	1014.0	23.0	21.3	19.7	90	28.1
6	1012.6	24.6	23.3	21.6	85	Trace
7	1011.8	29.3	25.9	24.0	81	-
8	1012.2	30.3	26.9	24.7	81	0.6
9	1014.6	26.1	23.7	23.0	85	13.0
10	1014.2	26.1	24.0	23.4	81	-
11	1012.1	28.8	25.7	23.2	79	-
12	1008.6	31.6	27.6	25.0	80	-
13	1006.6	31.1	28.3	26.2	76	-
14	1005.8	29.2	27.5	26.0	84	5.9
15	1007.3	27.4	26.1	25.2	87	6.5
16	1010.1	25.6	24.6	23.9	88	9.1
17	1010.9	25.4	24.3	23.3	87	4.8
18	1010.3	26.3	25.4	24.7	87	2.3
19	1009.0	26.4	25.6	25.0	91	27.8
20	1008.1	30.7	28.0	25.9	84	3.2
21	1010.2	31.5	28.1	25.3	87	66.1
22	1010.4	31.4	28.9	27.2	80	1.0
23	1009.7	30.3	29.0	28.0	80	-
24	1009.2	31.5	29.6	28.6	78	-
25	1007.8	32.0	29.8	28.7	75	-
26	1007.1	32.0	30.0	29.0	79	-
27	1008.5	33.7	30.7	28.8	75	-
28	1009.3	33.4	30.6	28.8	75	-
29	1009.1	34.1	30.6	27.0	76	12.2
30	1009.6	32.6	29.3	27.3	73	-
31	1009.4	30.9	28.8	27.9	74	Trace

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	NA		
Noise	NA		
Water Quality	NA		
Chemical and Construction Waste Management	6 May 2026	Reminder: Domestic waste and construction waste should be stored separately.	Domestic waste and construction waste were stored separately
	19 May 2026	Reminder: Domestic waste should be stored in an enclosed rubbish bin.	Domestic waste was stored in an enclosed rubbish bin.
Land Contamination	NA		
Ecological Impact	NA		
Landscape and Visual Impact	NA		
Permit / Licenses	19 May 2026	Reminder: The color of NRMM label for the generator at IW should be green.	The color NRMM label for the generator 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		

Parameters	Date	Observations and Recommendations	Follow-up
Others	NA		

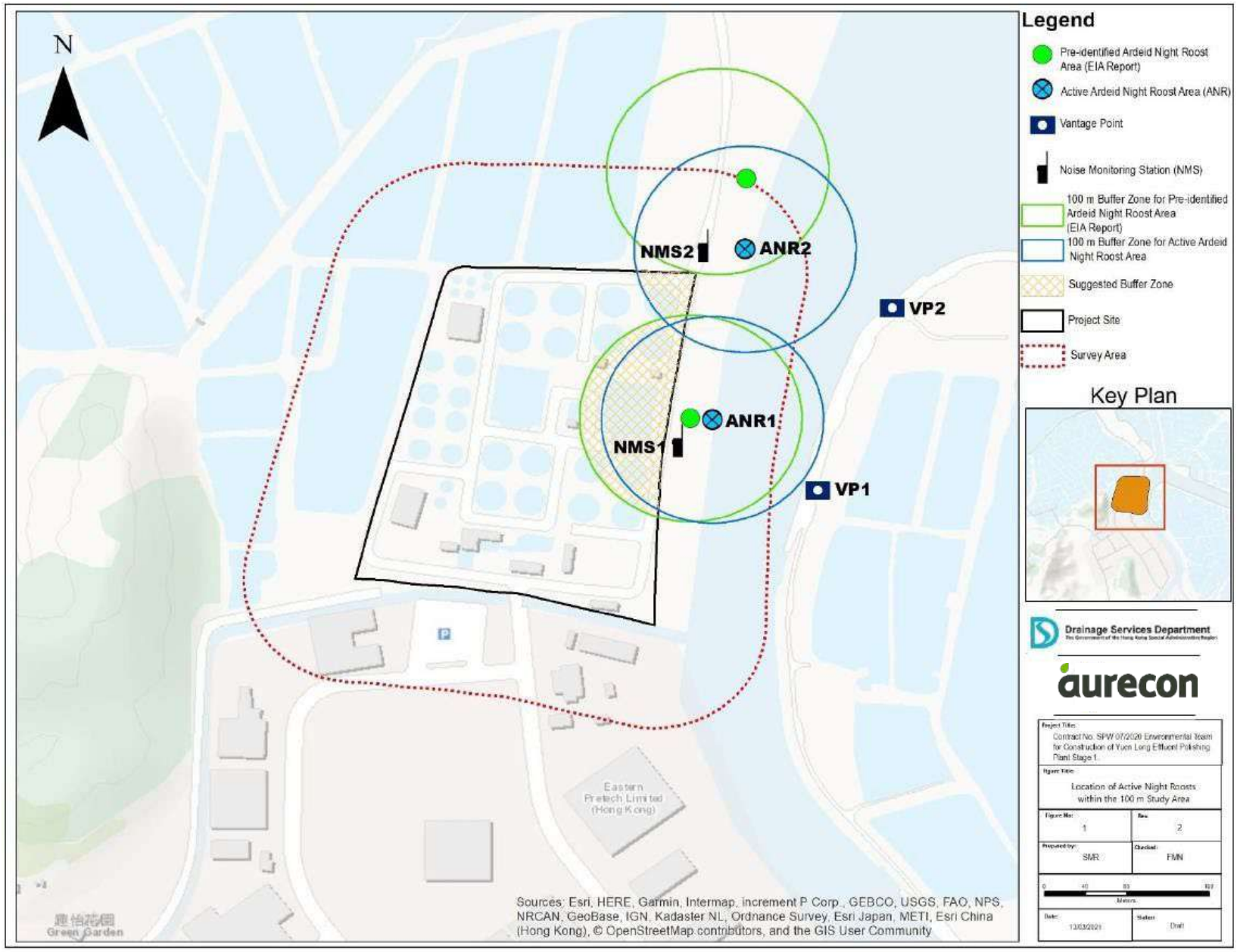
Appendix N
Outstanding Issues and Deficiencies

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



O.2 Survey Photos

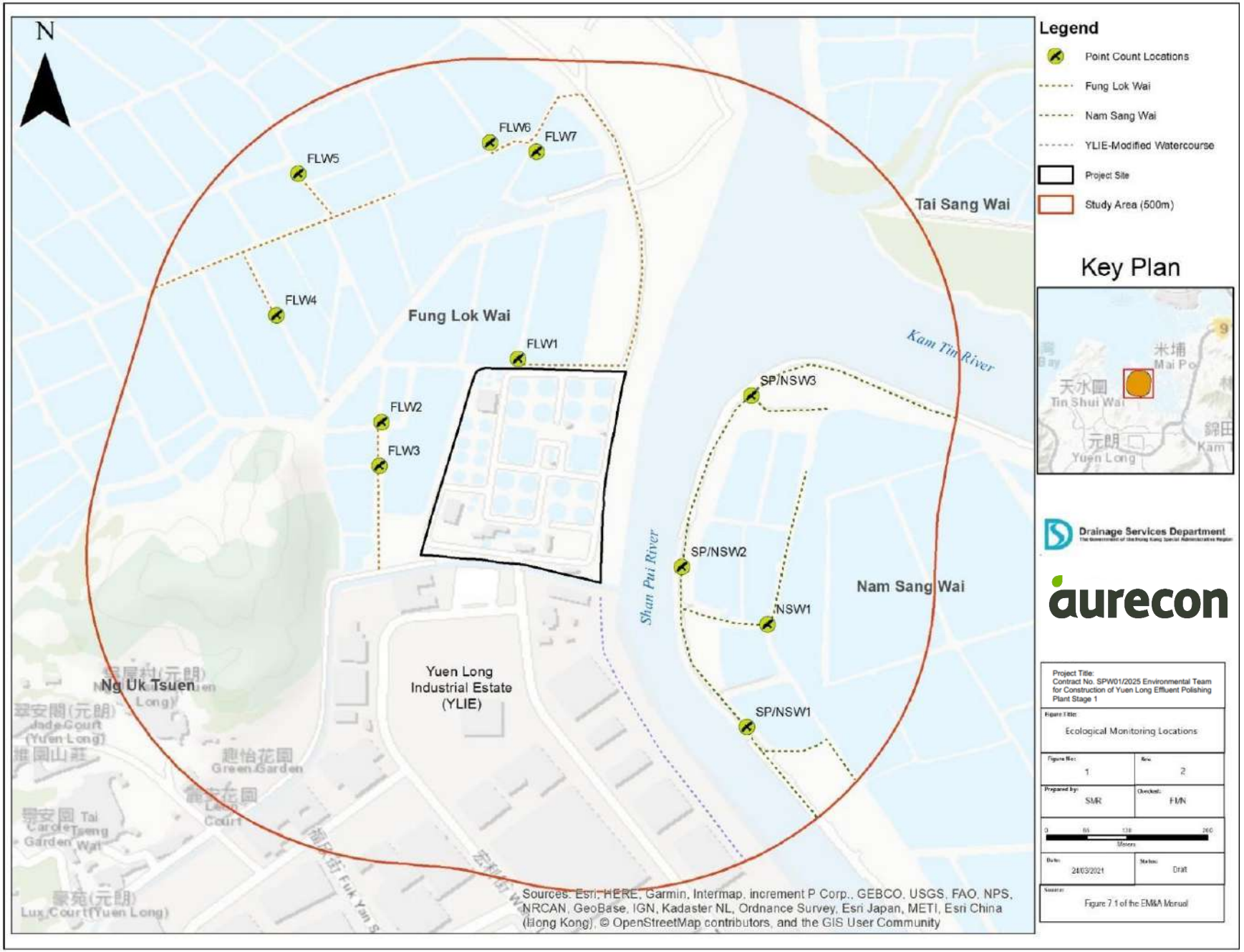
O.2.1 Pre-roosting Aggregate

Appendix O.2.1a: Pre-roost aggregate of ardeids in the mudflat northeast side of the Project boundary (ANR2) observed on 5 May 2026 at around 18:37.

O.2.2 Active Night Roosting Site and Roosting Substrates

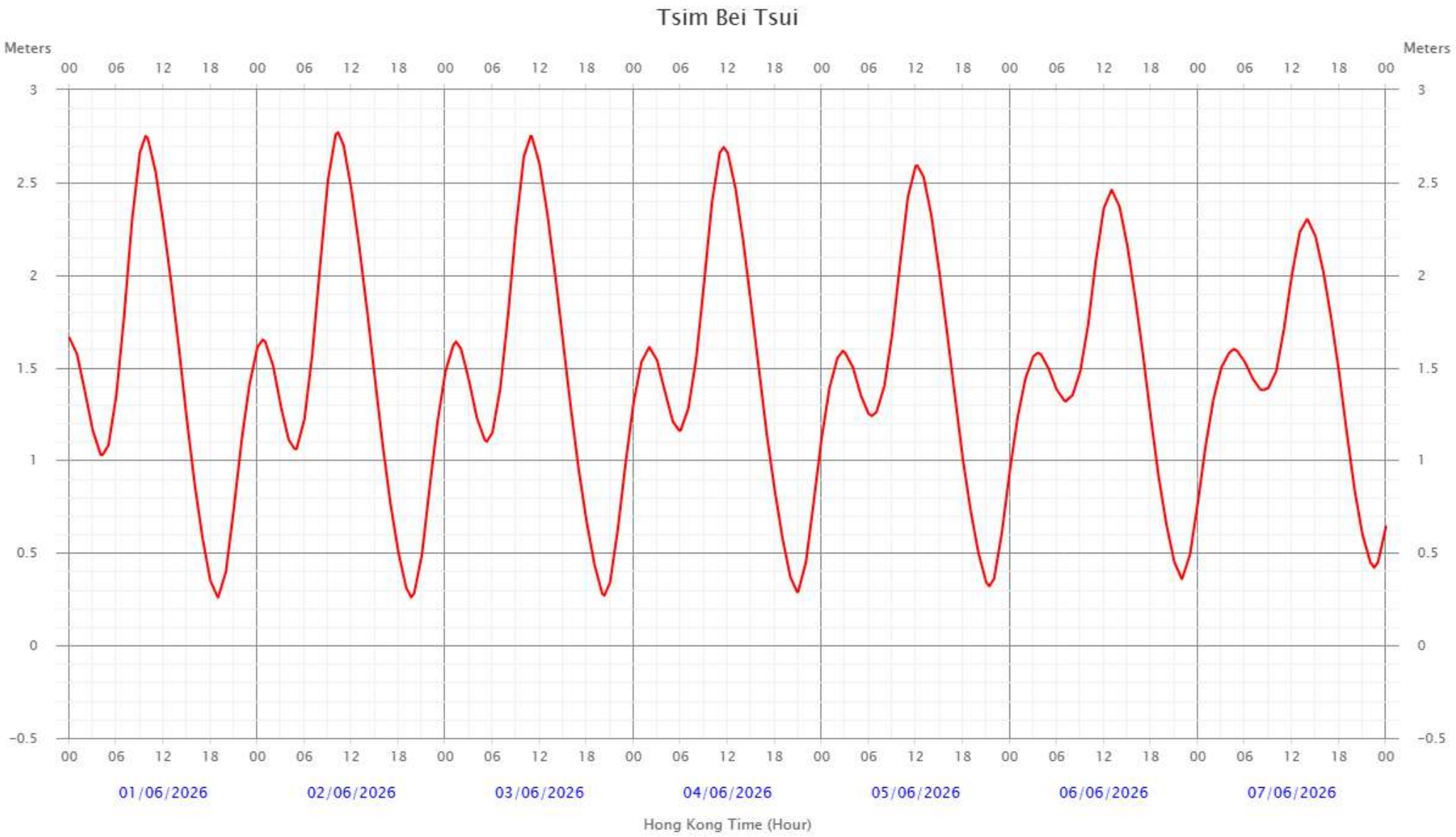
Appendix O.2.2a: Active night roost in the mudflat northeast side of the Project boundary (ANR2) observed on 5 May 2026 at around 18:54.

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



Appendix P: Ecological bird monitoring area with the locations of point count sites and transect routes

Appendix Q
Tides Predicted by the Hong Kong Observatory for the tidal station at Tsim Bei Tsui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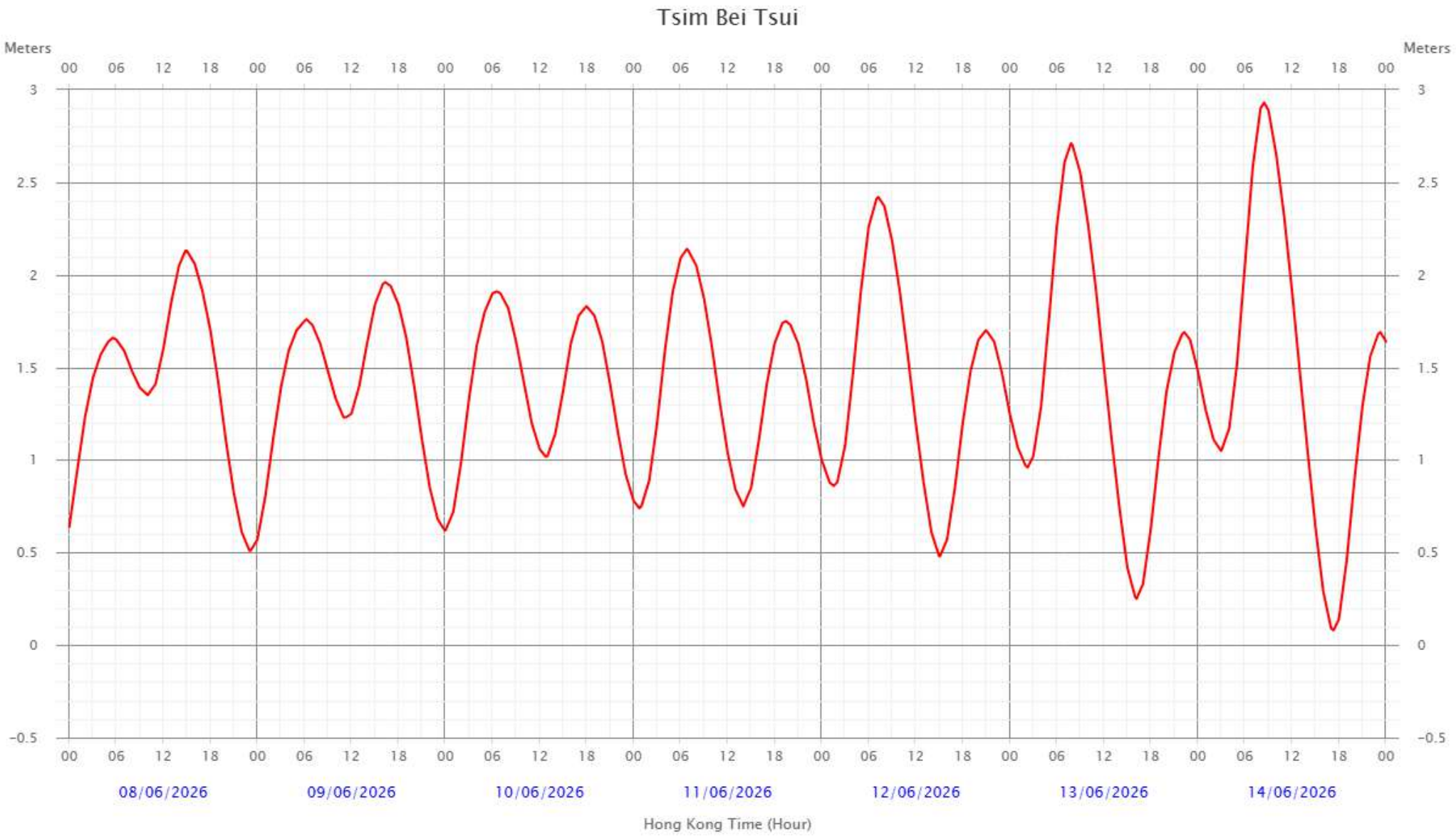
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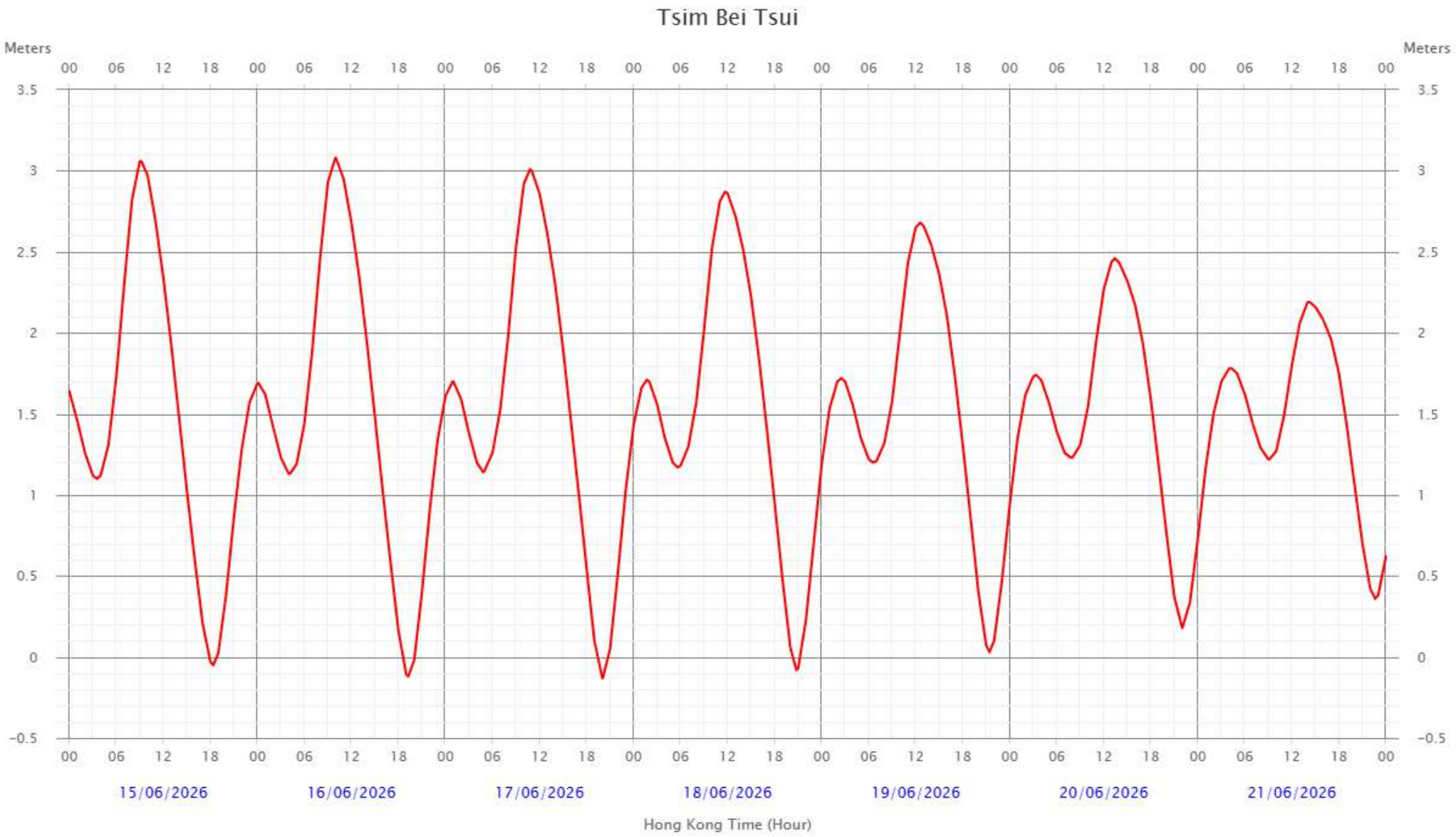
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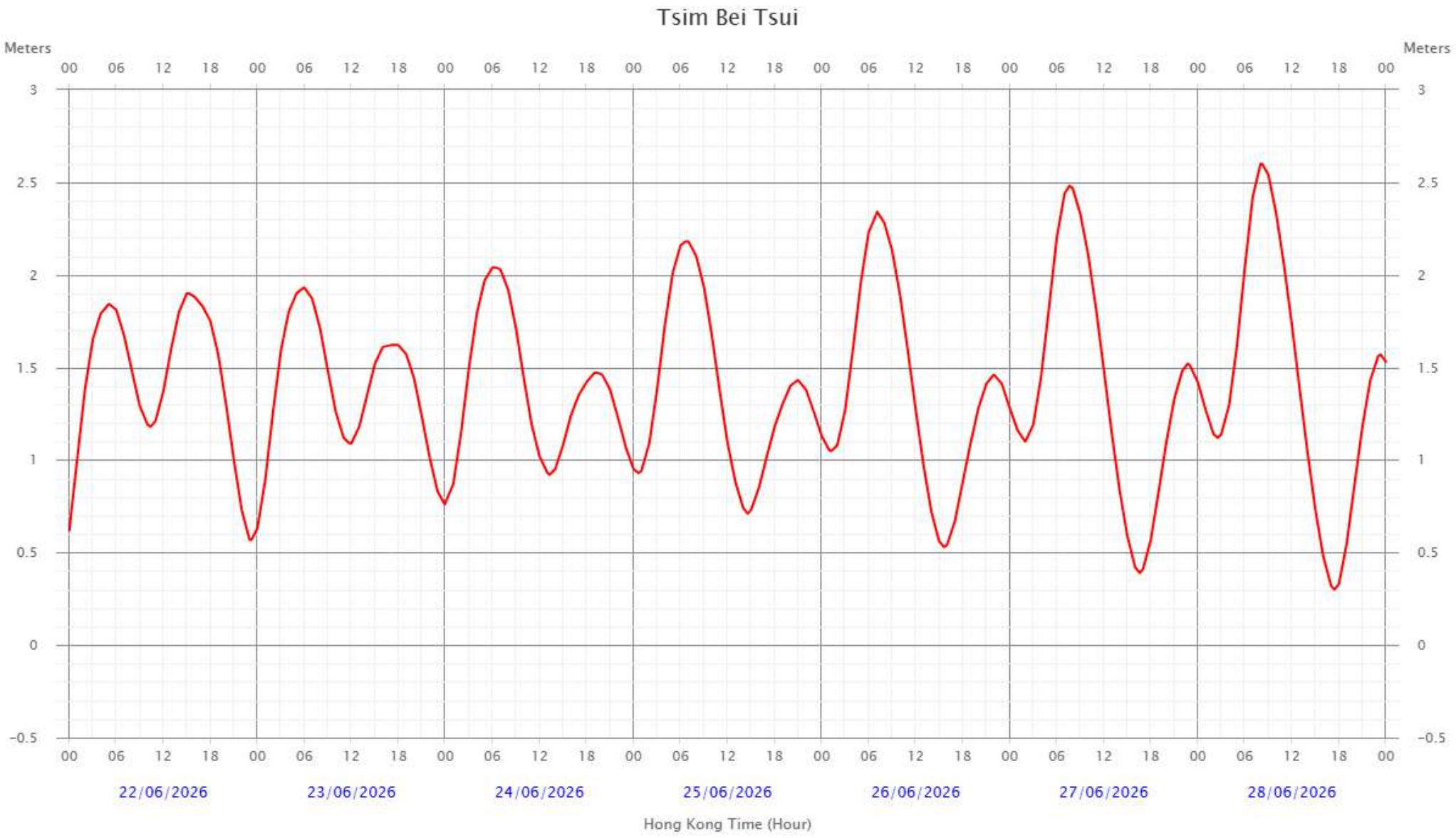
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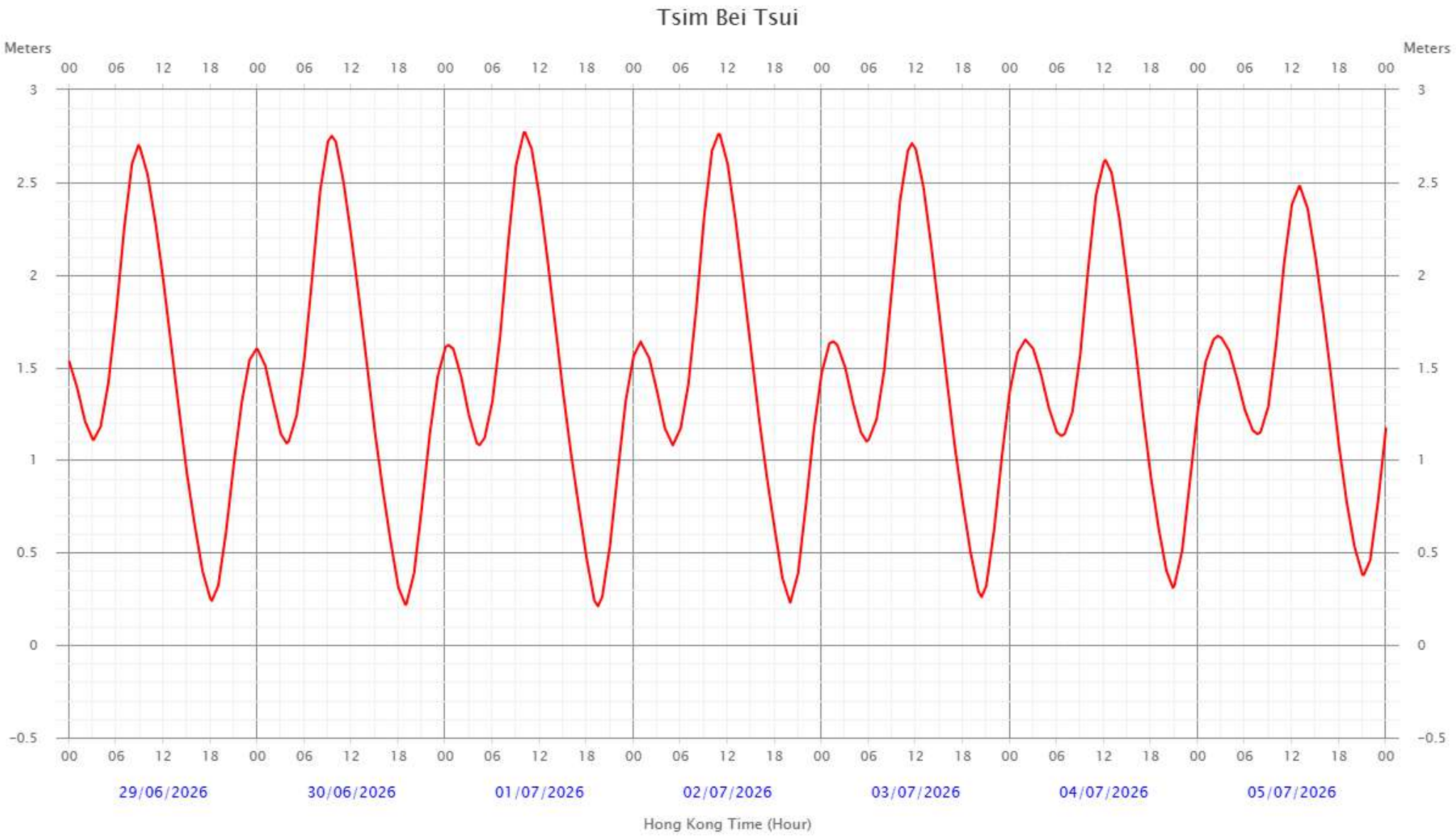
28/06/2026
Hong Kong Time (Hour)


Tsim Bei Tsui
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29/06/2026
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03/07/2026
04/07/2026
05/07/2026
Hong Kong Time (Hour)

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