



Airport City Link

Monthly EM&A Report for May 2023

June 2023

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Airport Authority Hong Kong

Airport City Link

Monthly EM&A Report for May 2023

June 2023

**This Submission of Construction Phase Monthly Environmental
Monitoring and Audit (EM&A) Report for May 2023**

has been reviewed and certified by

the Environmental Team Leader (ETL) in accordance with

Condition 3.5 of Environmental Permit No. EP-581/2020 and

Section 11.2 of the EM&A Manual of the Project.

Certified by:



Ir Thomas Chan
Environmental Team Leader (ETL)
Mott MacDonald Hong Kong Limited

Date

12 June 2023

Your Ref: -
Our Ref: 60664934/C/FYW2306121

By Email

Capital Works Management Department
Level 6, HKIA Tower 2,
15 Cheong Tat Road,
Hong Kong International Airport,
Lantau, Hong Kong

Attn: Collin Chan (Manager, Civil)

12 June 2023

Dear Sir,

**Contract C21C02 – Independent Environmental Checker Consultancy Services for Airport
City Link
Monthly Environmental and Audit (EM&A) Report for May 2023**

Reference is made to the Environmental Team's submission of Monthly EM&A Report for May 2023 in accordance with Condition 3.5 of the Environmental Permit (No: EP-581/2020) and Section 11.2 of the EM&A Manual of the Project certified by the ET Leader on 12 June 2023.

We would like to inform you that we have verified on the captioned submission in accordance with the requirement stipulated in Condition 1.9 of EP-581/2020.

Should you have any queries, please feel free to contact the undersigned at 3922 9366.

Yours faithfully,
AECOM Asia Co. Ltd.



Y W Fung
Independent Environmental Checker

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Executive summary

In July 2020, a Project Profile (PP) (Register No.: PP-606/2020) of the Airport City Link (ACL) (hereinafter as “the Project”) was submitted for the application for permission to apply directly for an Environmental Permit (EP), which was approved by Environmental Protection Department (EPD) in August 2020. The EP of the Project (EP No.: EP-581/2020) was obtained in October 2020.

On 10 June 2021, Mott MacDonald Hong Kong Limited (MMHK) was commissioned by Airport Authority Hong Kong (AAHK) to provide Environmental Team (ET) consultancy services for the implementation of an Environmental Monitoring and Audit (EM&A) programme of the Project in accordance with the EP requirements throughout the Pre-construction, Construction and Post-construction phases.

The construction phase EM&A programme of the Project started on 26 July 2022. The construction of marine section was commenced on 26 July 2022, while the construction of the land section was commenced on 20 February 2023.

This is the 10th Monthly EM&A Report for the construction phase of the Project which summaries findings of the EM&A programme during the reporting period from 1 to 31 May 2023.

Key Construction Works in the Reporting Period

A summary of construction activities undertaken during the reporting period is presented below:

Marine Section

- Plant mobilization and material delivery for marine bored piling works
- Marine substructure works

Land Section

- GI works
- Underground utilities diversion work
- Bored pile work
- Temporary staircase installation

Environmental Monitoring and Audit Progress

The monthly EM&A programme was undertaken by ET in accordance with the approved EM&A Manual. A summary of the monitoring activities during the reporting period is presented below:

Table I: Summary Table for EM&A Activities in the Reporting Period

EM&A Activities	Number of Sessions
Water quality monitoring	13
Weekly environmental site inspections (Marine Section)	5
Weekly environmental site inspections (Land Section)	5

Breaches of Action and Limit Levels

Water Quality

The water quality monitoring results for dissolved oxygen (DO), turbidity and suspended solids (SS) obtained during the reporting period were within the corresponding Action and Limit Levels.

Complaint Log

There was no complaint in relation to the environmental impact received during the reporting period.

Notifications of Summons and Successful Prosecutions

There was no notifications of summons or successful prosecutions received during this reporting period.

Reporting Changes

There was no reporting change during the reporting period.

Future Key Issues

The future key issues to be undertaken in the upcoming month are:

Marine Section

- Plant mobilization and material delivery for marine bored piling works
- Marine substructure works

Land Section

- GI works
- Underground utilities diversion work
- Bored pile work
- Demolition

1 Introduction

1.1 Background

In July 2020, a Project Profile (PP) (Register No.: PP-606/2020) of the Airport City Link (ACL) (hereinafter as “the Project”) was submitted for the application for permission to apply directly for an Environmental Permit (EP), which was approved by Environmental Protection Department (EPD) in August 2020. The EP of the Project (EP No.: EP-581/2020) was obtained in October 2020.

The Project is situated between the Airport Island and Hong Kong Port (HKP) Island, at the south of existing SkyPier on the Airport Island. To enhance vehicular mobility and walkability between HKP Island and the SKY CITY, the Project serves as a connection bridge providing shuttle services and pedestrian pathway.

The construction for the Project consists of a marine section in a marine area between the Airport Island and HKP Island, and a land section on the Airport Island and HKP Island. The connection bridge comprises of approximately 400m long marine section and 450m long land section. The construction works of marine section will be carried out by marine works Contractor, while the construction works of land section will be carried out by land works Contractor.

On 10 June 2021, Mott MacDonald Hong Kong Limited (MMHK) was commissioned by Airport Authority Hong Kong (AAHK) to provide Environmental Team (ET) consultancy services for the implementation of an Environmental Monitoring and Audit (EM&A) programme in accordance with the EP requirements throughout the Pre-construction, Construction and Post-construction phases.

The construction phase EM&A programme of the Project started on 26 July 2022. The construction of marine section was commenced on 26 July 2022, while the construction of the land section was commenced on 20 February 2023.

This is the 10th Monthly EM&A report summarising the key findings of the construction phase EM&A programme from 1 to 31 May 2023 (the reporting period) and is submitted to fulfil requirements in Condition 3.5 of EP and Section 11.2 of EM&A Manual of the Project.

1.2 Project Organisation

The organisation chart and lines of communication with respect to the on-site environmental management structure of the key personnel are shown in **Appendix A**. The key personnel contact names and numbers are summarized in **Table 1.1**.

Table 1.1: Contact Information of Key Personnel

Party	Position	Name	Telephone
Project Manager’s Representative (Airport Authority Hong Kong)	Senior Project Engineer, Environment	Becky Yan	2183 2773
Environmental Team (ET) (Mott MacDonald Hong Kong Limited)	Environmental Team Leader	Thomas Chan	2828 5967
	Deputy Environmental Team Leader	Gary Chow	2828 5874
Independent Environmental Checker (IEC)	Independent Environmental Checker	Y W Fung	3922 9366

Party	Position	Name	Telephone
(AECOM Asia Company Limited)	Deputy Independent Environmental Checker	Lemon Lam	3922 9381
Main Contractor – Marine Section (Gammon Engineering & Construction Company Limited)	Senior Project Manager	Brian Ho	9041 7535
	Environmental Officer	Elena Lai	6841 3324
Main Contractor – Land Section (China State Construction Engineering (HK) Ltd.)	Project Manager	Kingsley Chiang	9424 8437
	Senior Environmental Officer	William Chan	5408 3045

1.3 Construction Works Programme and Construction Works Area

The construction phase EM&A programme of the Project started on 26 July 2022. The construction of marine section was commenced on 26 July 2022, while the construction of the land section was commenced on 20 February 2023.

The construction works programme and the construction works area of the Project are shown in **Appendix B** and **Appendix C** respectively.

1.4 Construction Works undertaken during the Reporting Period

A summary of construction activities undertaken during this reporting period is presented below:

Marine Section

- Plant mobilization and material delivery for marine bored piling works
- Marine substructure works

Land Section

- GI works
- Underground utilities diversion work
- Bored pile work
- Temporary staircase installation

2 Water Quality

2.1 Baseline Water Quality Monitoring

As stipulated in the EM&A Manual, the construction activities under sea water level for the Project will commence in a month after completion of that of Intermodal Transfer Terminal Bonded Vehicular Bridge (ITT-BVB). Therefore, it is likely that the period for baseline monitoring would overlap with the construction activities under sea water level of ITT-BVB, which may influence the baseline water quality for the Project.

Since the baseline monitoring of ITT-BVB project has been carried out at the same proposed baseline monitoring locations of the Project during 15 August 2019 – 10 September 2019, and 28 November 2019 – 24 December 2019 covering both dry and wet seasons, which was carried out before any marine construction activities in the vicinity of the Project. Hence, the baseline monitoring data from ITT-BVB would be the most recent and representative to the baseline condition of the water quality in the vicinity of the Project without any interference. Thus, the baseline monitoring data from ITT-BVB would be adopted for the Project.

ET submitted the baseline monitoring report of the Project on 12 November 2021 and EPD expressed no comment on 24 November 2021.

2.2 Impact Water Quality Monitoring

2.2.1 Monitoring Requirement

The impact water quality monitoring was conducted three days per week at mid-flood and mid-ebb tides, at 5 water quality monitoring stations. Samples were taken at three depths, namely, 1m below water surface, mid-depth and 1m above sea bed, except where the water depth less than 6m, the mid-depth station was omitted. For locations with water depth less than 3m, only the mid-depth station was monitored. Duplicate in-situ measurements and water samples were collected from each independent monitoring event for all parameters to ensure a robust statistically interpretable dataset.

2.2.2 Monitoring Locations

The water quality monitoring was conducted at three locations in the sea channel between the HKIA and the HKBCF (M1, M2 and M3) and two control stations (C1 and C2), locations are shown in **Figure 2.1** and summarized in **Table 2.1**.

Table 2.1: Locations of Marine Water Quality Monitoring Stations

ID	Monitoring Station	Easting	Northing
M1	Impact Station	812423	819635
M2 ⁽¹⁾	Impact Station	812629	819845
M3 ⁽²⁾	Impact Station	812586	820069
C1	Control Station - West	812419	820670
C2	Control Station - East	813072	820595

Notes:

1. As updated in the baseline monitoring report, the water quality monitoring at M2 station was shifted to bring it closer to the Project site and away from the SkyPier ferry movements for better representation.

2. As updated in the baseline monitoring report, the water quality monitoring at M3 station was shifted to the location near the seawater intake of HKBCF to better represent the potential water quality impacts at the nearby sensitive receiver

2.2.3 Monitoring Parameters

For the 3 impact stations (M1 to M3) and 2 control stations (C1 and C2), monitoring of DO, DO%, pH, temperature, turbidity, salinity, SS and water depth were undertaken.

Other relevant data were also recorded, including monitoring location, time, tidal stages, weather conditions and any special phenomena or work during the monitoring.

2.2.4 Monitoring Schedule for the Reporting Period

Construction impact monitoring for water quality was undertaken in compliance with the EM&A Manual during the reporting period.

The schedule for water quality monitoring of the reporting period is presented in **Appendix D**.

2.2.5 Monitoring Equipment

Water samples for all monitoring parameters were collected, stored, preserved and analysed according to the Standard Methods, APHA 21st ed. and/or other methods as agreed by the EPD. In-situ measurements at monitoring locations including dissolved oxygen (DO), dissolved oxygen saturation (DO%), pH, temperature, turbidity, salinity and water depth were collected using the equipment listed in **Table 2.2**.

Water samples for suspended solids (SS) analysis were stored in suitable containers provided by the HOKLAS laboratory with no preservative added, packed in ice (cooled to 4°C without being frozen) and delivered to the HOKLAS laboratory as soon as possible after collection.

Table 2.2: Impact Water Quality Monitoring Equipment

Equipment	Brand and Model	Quantity
Water Sampler	Van Dorn Water Sampler	2
Monitoring Position Equipment (measurement of DGPS)	Garmin eTrex 20x	1
Water Depth Detector (measurement of water depth)	Garmin STRIKER™ Series	1
Multifunctional Meter (measurement of DO, DO%, temperature, turbidity, salinity and pH)	YSI ProDSS (Multiparameter Sampling Instrument)	1

2.2.6 Maintenance and Calibration of In-situ Instruments

In-situ monitoring instruments for water quality parameters were checked, calibrated and certified by a laboratory accredited under HOKLAS before use. Responses of sensors and electrodes were checked with certified standard solutions before each use.

Wet bulb calibration for DO measurement was carried out before commencement of monitoring and after completion of all measurements each day. The turbidity meter was calibrated in order to establish the relationship between NTU units and the levels of suspended solids. A zero check in distilled water was performed with the turbidity probe at least once per monitoring day. The probe was then calibrated with a solution of known NTU. Standard buffer solutions of at least pH 7 and pH 10 was used for calibration of the pH instrument before and after use on each monitoring day.

Calibration certificates of the monitoring equipment used in the monitoring for water quality parameters are provided in **Appendix E**.

2.2.7 Laboratory Measurement / Analysis

Analysis of SS was out in a HOKLAS accredited laboratory, ALS Technichem (HK) Pty Ltd (Reg. No. HOKLAS 066). Sufficient water samples were collected at each of the control stations and impact stations for carrying out the laboratory SS determination.

The SS determination works started within 24 hours after collection of the water samples. The analysis followed the APHA 2540D analytical method with a detection limit of 1 mg/L.

2.3 Event and Action Plan

2.3.1 Action and Limit Levels

The Action and Limit Levels for the impact monitoring stations were extracted from Table 2.8 of the Baseline Monitoring Report of ITT-BVB. The derived Action and Limit Levels are summarized in **Table 2.3**.

Table 2.3: Derived Action and Limit Levels

Parameters	Action Level	Limit Level
Impact Stations M1 and M2		
DO in mg/L		
Surface & Middle	4.3	4.0
Bottom	3.8	3.0
SS in mg/L		
	14.2 AND	17.4 AND
	120% of upstream control station at the same tide of the same day	130% of upstream control station at the same tide of the same day
Turbidity in NTU		
	11.0 AND	16.3 AND
	120% of upstream control station at the same tide of the same day	130% of upstream control station at the same tide of the same day
Impact Station M3		
SS in mg/L	33	42

Notes:

1. For DO measurement, non-compliance occurs when the monitoring result is lower than the limits.
2. For parameters other than DO, non-compliance of water quality occurs when the monitoring result is higher than the limits.
3. Depth-averaged results are used unless specified otherwise.
4. Impact station M3 is represents the impact station SR1A of "Expansion of Hong Kong International Airport into a Three-Runway System". The AL levels for M3 in **Table 2.3** is referencing the agreed and adopted AL levels of SR1A from the Updated EM&A Manual for Expansion of Hong Kong International Airport into a Three-Runway System.

2.3.2 Event and Action Plan

In the event of water quality monitoring results at impact stations exceeding the Action and/or Limit levels for water quality as defined in **Table 2.3**, the actions in accordance with the Event and Action Plan presented in **Appendix F** shall be carried out.

2.4 Water Quality Monitoring Results

2.4.1 Impact Water Quality Monitoring

The water quality monitoring results for dissolved oxygen (DO), turbidity and suspended solids (SS) obtained during the reporting period were within the corresponding Action and Limit Levels.

Table 2.4 presents the summary of exceedances during the reporting period. Detailed impact monitoring results and relevant graphical plots are presented in **Appendix G**.

Table 2.4: Summary of Exceedances

Date	Parameter(s)	Affected Station(s)	Tide	Exceedance Type
N/A	N/A	N/A	N/A	N/A

2.5 Conclusion

The water quality monitoring results for dissolved oxygen (DO), turbidity and suspended solids (SS) obtained during the reporting period were within the corresponding Action and Limit Levels.

In the meantime, the Contractor was reminded to implement and maintain all mitigation measures during weekly site inspection and regular environmental management meetings. These include maintaining mitigation measures properly as recommended in the EM&A Manual.

3 Environmental Site Inspection and Audit

3.1 Environmental Site Inspection

Site inspections for marine and land section were carried out by ET on a weekly basis to monitor the implementation of proper environmental pollution control mitigation measures for the Project. Key observations were recorded in the site inspection checklist and passed to the Contractors together with the appropriate recommended mitigation measures where necessary.

Marine Section

During the reporting period, site inspections were carried out on 2, 9, 16, 23 and 30 May 2023 for marine section. Joint IEC site inspection for marine section was carried out on 16 May 2023. Monthly landscape and visual site audit was carried out on 16 May 2023.

Land Section

During the reporting period, site inspections were carried out on 3, 8, 15, 22 and 29 May 2023 for land section. Joint IEC site inspection for land section was carried out on 15 May 2023. Monthly landscape and visual site audit was carried out on 15 May 2023.

Key observations and reminders during the site inspections and landscape and visual site audit are described in **Table 3.1**.

Table 3.1: Summary of Site Inspections and Recommendations

Marine Section			
Inspection Date	Key Observations / Reminders	Recommendations / Actions	Close-Out Date
2 May 2023	Floater of silt curtain as installed at Pier 3 was found damaged.	The Contractor should arrange checking and repairing to ensure the integrity of silt curtain	9 May 2023
9 May 2023	Floaters of obsolete silt curtains at Pier 4 and Pier 6 were damaged by tidal movement.	The Contractor should remove the obsolete silt curtain materials at Pier 4 and Pier 6 to minimise potential floating refuse to avoid adverse impacts to the marine environment.	23 May 2023
9 May 2023	Silt curtain should be installed and maintained properly (Reminder).	The Contractor was reminded to provide regular maintenance to ensure the silt curtain as installed at Pier 7 remains intact.	9 May 2023
16 May 2023	Wrapping for floaters of silt curtain at Pier 7 was damaged.	The Contractor should arrange maintenance for the silt curtain to minimise potential floating refuse from the floaters and ensure the silt curtain remains intact.	23 May 2023
16 May 2023	Improper collection of general refuse at the edge of access platform of Pier 6 was observed.	The Contractor should collect the general refuse at the designated point to prevent refuse from getting into sea water.	23 May 2023
23 May 2023	General refuse were not properly disposed at Pier 6.	The Contractor should provide cleaning and disposal of the general refuse at the designated	30 May 2023

Marine Section			
		point to maintain good housekeeping.	
Land Section			
Inspection Date	Key Observations / Reminders	Recommendations / Actions	Close-Out Date
3 May 2023	The muddy water was found at the outlet of wastewater treatment facility and wastewater was overflowing from the sedimentation tank, causing flooding in nearby area.	The Contractor should provide sufficient wastewater treatment facilities and provide regular maintenance to ensure the discharge quality could meet the requirements specified in the discharge licence.	8 May 2023
3 May 2023	No proper wheel washing facility was provided at vehicular site exit.	The Contractor should review and provide proper arrangement for wheel washing operation subject to work progress. Every vehicles leaving the site should be washed to remove any dusty materials from its body and wheels and the wastewater from wheel washing should be treated prior to discharge.	8 May 2023
3 May 2023	Excavated soil was placed on the temporary drain and the discharge point.	The Contractor should relocate the soil and avoid stockpiling near the temporary drain and discharge point to minimise ingress of soil and sand into the public drainage.	8 May 2023
3 May 2023	No covering was provided for the idled stockpile.	The Contractor should cover the idled stockpile entirely for dust suppression.	8 May 2023
3 May 2023	Mitigation measures to protect the surface drain were observed insufficient (Reminder).	The Contractor was reminded to replace the geotextile for protection of the surface drain.	3 May 2023
3 May 2023	Mitigation measures to prevent seepage of sand and silt from the site were observed insufficient (Reminder).	The Contractor was reminded to seal the bottom of hoarding to prevent seepage of sand and silt from the site.	3 May 2023
3 May 2023	Wastewater treatment facilities should be always on standby (Reminder).	The Contractor was reminded to ensure the wastewater treatment facility was ready onsite for wastewater handling.	3 May 2023
3 May 2023	Temporary drainage plan should be updated regularly to prevent construction runoff from entering the public drain (Reminder).	The Contractor was reminded to update the temporary drainage plan and ensure the existing drain was intercepted to prevent construction runoff from entering the public drain.	3 May 2023
8 May 2023	The wastewater treatment facility was not in operation and the setup was not completed.	The Contractor should ensure the wastewater treatment facility was ready for wastewater handling, especially during the rainy weather, and keep the maintenance record for inspection.	15 May 2023
8 May 2023	Mitigation measures to prevent mud accumulated at temporary	The Contractor was reminded to provide regular cleaning for the	8 May 2023

Land Section			
	drain were observed insufficient (Reminder).	temporary drain to prevent mud accumulated.	
8 May 2023	Wastewater from the wheel washing should be collected and treated properly prior discharge (Reminder).	The Contractor was reminded that wastewater from wheel washing should be properly collected and treated when the vehicular site exit is in used.	8 May 2023
8 May 2023	NRMM label was observed fade on the excavator (Reminder).	The Contractor was reminded to replace the faded NRMM label with a valid label displayed on the excavator	8 May 2023
8 May 2023	Mitigation measures to avoid dust emission at grouting station were observed insufficient (Reminder).	The Contractor was reminded to provide shelters on the top and the three sides for grouting station during operation to avoid dust emission	8 May 2023
15 May 2023	Water seepage from the wastewater treatment facility was observed.	The Contractor should repair the wastewater treatment facility for proper operation.	22 May 2023
15 May 2023	Bunding for the public drain was damaged and debris and mud were found at the drain.	The Contractor should provide cleaning and reinstate the bunding for preventing any muddy runoff and construction materials from entering the public drain.	22 May 2023
15 May 2023	NRMM label was observed fade on the generator (Reminder).	The Contractor was reminded to replace the faded NRMM label with a valid label displayed on the generator.	15 May 2023
22 May 2023	The maintenance record of the wastewater treatment facility was not duly completed.	The Contractor should properly complete the maintenance record of the wastewater treatment facility daily.	29 May 2023
22 May 2023	Cleaning for the drains was observed insufficient (Reminder).	The Contractor was reminded to provide regular cleaning for the drain to ensure adequate capacity for wastewater collection and diversion to the wastewater treatment facility.	22 May 2023
22 May 2023	Wheel washing for vehicles should be provided prior to leaving construction site (Reminder).	The Contractor was reminded to provide wheel washing for vehicles leaving construction site and keep the public road free of dust.	22 May 2023
22 May 2023	Mitigation measures to avoid muddy runoff and seepage were observed insufficient (Reminder).	The Contractor was reminded to cover the stockpile to minimise generation of muddy runoff and prevent any seepage of muddy runoff to the public road.	22 May 2023
29 May 2023	NRMM label on the boring machine for ground investigation was missing.	The Contractor should display valid NRMM label on the machinery.	On-going

3.2 Advice on the Solid and Liquid Waste Management Status

The Contractors were registered as chemical waste producers for the Project. Construction and demolition (C&D) material sorting was carried out on site. Sufficient numbers of receptacles were provided for general refuse collection and sorting. Excavated inert C&D materials were reused to

minimise the disposal of C&D waste to public fill. The Contractors were reminded to maintain on site waste sorting and recording system and maximize reuse / recycling of C&D wastes, whenever these are generated.

The monthly summary of waste flow table for marine and land section are detailed in **Appendix H**.

The valid environmental licenses and permits for the Project during the reporting period are summarized in **Appendix I**.

3.3 Implementation Status of Environmental Mitigation Measures

In response to the site audit findings, the Contractors carried out corrective actions.

A summary of the environmental mitigation measures implementation status is presented in **Appendix J**. Necessary mitigation measures were implemented properly, observations and reminders were issued to the Contractors where actions were taken by the Contractors to rectify the identified issues.

3.4 Summary of Exceedance of the Environmental Quality Performance Limit

Water Quality

The water quality monitoring results for dissolved oxygen (DO), turbidity and suspended solids (SS) obtained during the reporting period were within the corresponding Action and Limit Levels.

Detailed impact monitoring results and relevant graphical plots are presented in **Appendix G**.

3.5 Summary of Complaints, Notifications of Summons and Successful Prosecutions

Complaint Log

There was no complaint received in relation to the environmental impact during the reporting period.

Notifications of Summons or Status of Prosecution

There was no notification of summons or prosecutions received during the reporting period.

Cumulative Statistics

Statistics on complaints, notifications of summons and successful prosecutions are summarized in **Table 3.2**.

Table 3.2: Statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Environmental Complaints	Notifications of Summons	Successful Prosecutions
This reporting period (May 2023)	0	0	0
From commencement date of construction to end of reporting period	0	0	0

4 Future Key Issues

4.1 Construction Programme for the Coming Month

As informed by the Contractors, the major construction activities for the next reporting period (Jun 2023) are summarized in **Table 4.1**.

Table 4.1: Construction Activities for the Next Reporting Period

Marine Section	
Period	Description of Activities
Jun 2023	<ul style="list-style-type: none">Plant mobilization and material delivery for marine bored piling worksMarine substructure works

Land Section	
Period	Description of Activities
Jun 2023	<ul style="list-style-type: none">GI worksUnderground utilities diversion workBored pile workDemolition

4.2 Environmental Site Inspection and Monitoring Schedule for the Next Reporting Period

The tentative schedule for weekly site inspection and water quality monitoring for the next reporting period is provided in **Appendix D**.

5 Conclusions

General

The construction works for the Project commenced on 26 July 2022. The ET of the Project has undertaken environmental site inspections and water quality monitoring under the construction phase EM&A programme during the reporting period.

Water Quality Monitoring

The water quality monitoring results for dissolved oxygen (DO), turbidity and suspended solids (SS) obtained during the reporting period were within the corresponding Action and Limit Levels.

Environmental Site Inspections

Environmental site inspections were carried out 5 times for marine section and 5 times for land section during the reporting period. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.

Complaint Log

There was no complaint received in relation to the environmental impact during the reporting period.

Reporting Changes

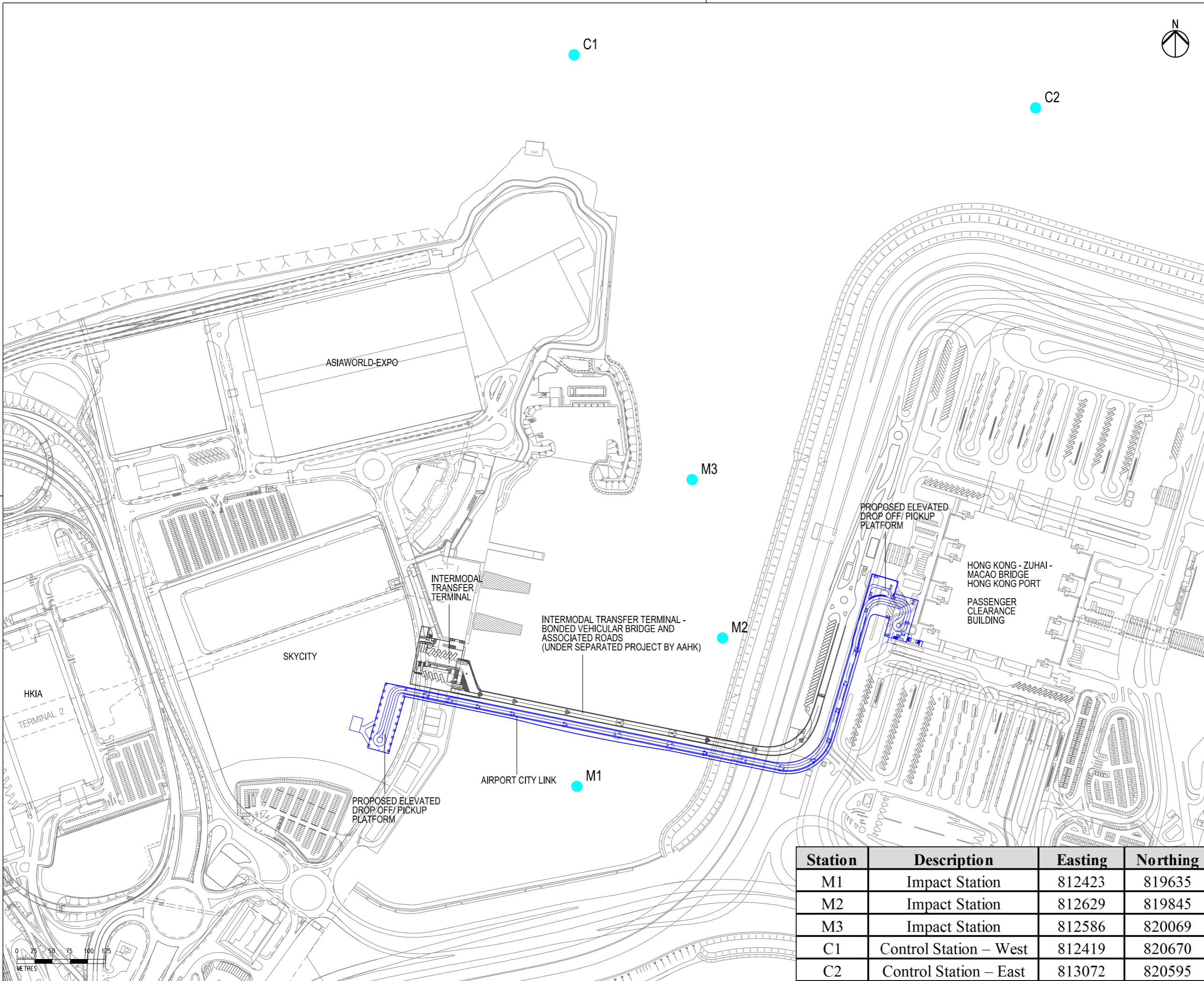
There was no reporting change during the reporting period.



Notifications of Summons and Successful Prosecutions

There was no notification of summons or successful prosecutions received during the reporting period.

Figure

Figure 2.1 Water Quality Monitoring Locations



LEGEND
 PROPOSED ALIGNMENT
 WATER QUALITY MONITORING STATION

Rev.	Date	Description	Checked



Hong Kong International Airport

Consultant

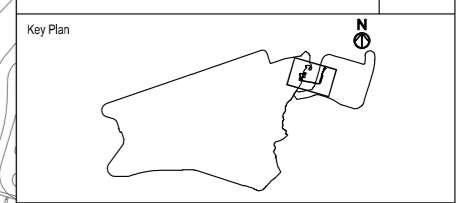
 MOTT MACDONALD

Consultant's Signatures for Approval _____ Date _____

Design Supervisor _____

Checkers _____

Authorised Representative _____

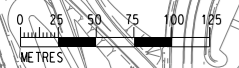


Title

LOCATION OF WATER QUALITY MONITORING STATIONS

FIGURE 2.1

Station	Description	Easting	Northing
M1	Impact Station	812423	819635
M2	Impact Station	812629	819845
M3	Impact Station	812586	820069
C1	Control Station – West	812419	820670
C2	Control Station – East	813072	820595

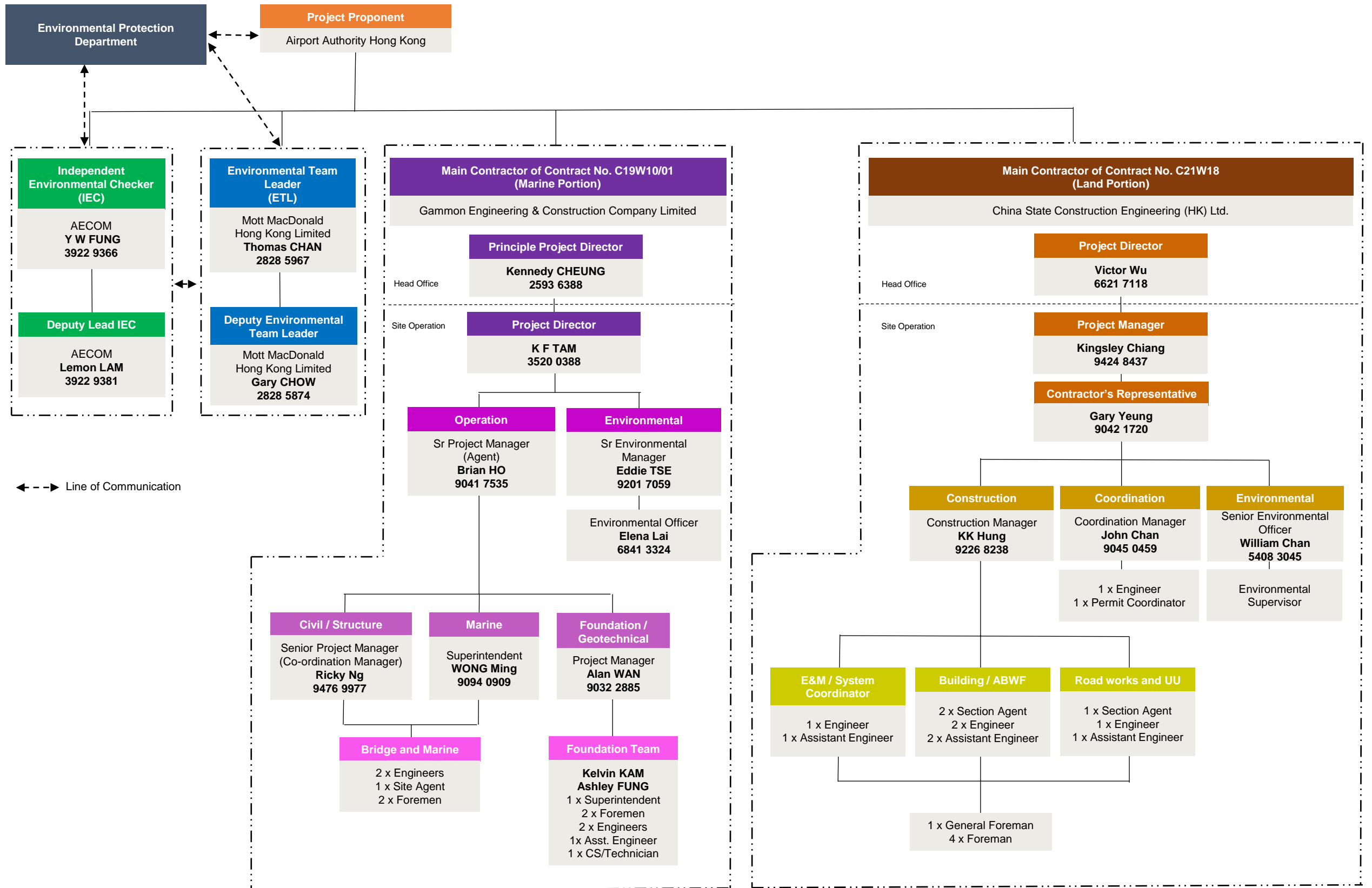


Originator	Location	Discipline	Type	Dwg Sequence No.
Status	DESIGN	Scale	1:5000 (A3)	Rev. A

Appendices

Appendix A. Project Organisation

Management Organizations for EP Condition 2.3



Appendix B. Construction Works Programme

Marine Section

C19W10/01 - ACL - Monthly Programme Rev.D Updated as of 31 May 2023

Activity ID	Activity Name	Orig Dur	DWP Rev.B Start	DWP Rev.B Finish	Start	Finish	Total Float	Physical % Complete	2023			
									May	Jun	Jul	Aug
									16	17	18	19
C19W10/01 - ACL - Monthly Programme Rev.D Updated as of 31 May 2023												
Contract Dates												
Statutory Submission												
19W10.A.C0W785	Design Preparation, Submissoin and Approval for Movement Joints	90	13-Oct-22	01-Feb-23	02-May-23 A	02-May-23 A		100%				
19W10.A.C0W895	Design Preparation, Submissoin and Approval for Navigation Aids	100	02-Feb-23	29-May-23	01-May-23 A	19-Aug-23	49	25%				
Marine Piling Works												
2nd Pile Group												
Testing and Statutory Document Submission for Completion												
19W10.H.VD0B680	Full Core Drilling Test	6	14-Jan-23	20-Jan-23	05-May-23 A	16-May-23 A		100%	Test			
19W10.H.VD0B690	Full Core Platform Dismantlement	6	25-Jan-23	31-Jan-23	17-May-23 A	20-May-23 A		100%	Platform Dismantlement			
19W10.H.VD0B700	Submit Concrete Strength Report	11	25-Jan-23	06-Feb-23	17-May-23 A	01-Jun-23	-4	85%	Concrete Strength Report			
19W10.H.VD0B710	BA14 Acknowledgement Letter from BD (2nd Pile Group)	5	07-Feb-23	11-Feb-23	02-Jun-23	07-Jun-23	-4	0%	Acknowledgement Letter from BD (2nd Pile Group)			
Application of P7 and P4 Superstructure Concent												
19W10.H.VD0A380	Application of P7 and P4 Superstructure Concent	1	13-Feb-23	13-Feb-23	08-Jun-23	08-Jun-23	-4	0%	Application of P7 and P4 Superstructure Concent			
3rd Pile Group												
ACL P8 (67m)												
Piling Works												
Sonic & Interface Core Test for ACL P8												
19W10.H.VD0B790	Removal of Pier 8 Platform	6	30-Jan-23	04-Feb-23	22-May-23 A	25-May-23 A		100%	Removal of Pier 8 Platform			
Testing and Statutory Document Submission for Completion												
19W10.H.VD0B900	Full Core Drilling Test	6	02-Mar-23	08-Mar-23	05-May-23 A	16-May-23 A		100%	Test			
19W10.H.VD0B910	Full Core Platform Dismantlement	6	09-Mar-23	15-Mar-23	22-May-23 A	25-May-23 A		100%	Core Platform Dismantlement			
19W10.H.VD0B920	Submit Concrete Strength Report	11	09-Mar-23	21-Mar-23	17-May-23 A	01-Jun-23	-9	85%	Concrete Strength Report			
19W10.H.VD0B930	BA14 Acknowledgement Letter from BD (3rd Pile Group)	3	22-Mar-23	24-Mar-23	02-Jun-23	05-Jun-23	-9	0%	Acknowledgement Letter from BD (3rd Pile Group)			
Application of P8 and P3 Superstructure Concent												
19W10.H.VD0A510	Application of P4 and P3 Superstructure Concent	1	25-Mar-23	25-Mar-23	06-Jun-23	06-Jun-23	-9	0%	Application of P4 and P3 Superstructure Concent			
Marine Substructure Works												
19W10.U.SD15	BA8 for Pile Cap and Superstructure (P8 and P3)	28	27-Mar-23	27-Apr-23	22-May-23 A	27-Jun-23	-10	40%	Substructure (P8 and P3)			
19W10.U.SD11	BA8 for Pile Cap and Superstructure (P7 and P4)	28	14-Feb-23	17-Mar-23	22-May-23 A	29-Jun-23	-4	40%	Substructure (P7 and P4)			
19W10.U.SD16	BA10 for Pile Cap and Superstructure (P8 and P3)	7	28-Apr-23	05-May-23	28-Jun-23	05-Jul-23	-10	0%	BA10 for Pile Cap and Superstructure (P8 and P3)			
19W10.U.SD12	BA10 for Pile Cap and Superstructure (P7 and P4)	7	18-Mar-23	25-Mar-23	30-Jun-23	07-Jul-23	-4	0%	BA10 for Pile Cap and Superstructure (P7 and P4)			
P5 Substructure												
19W10.U.SD42	P5 Pier Erection	21	07-Feb-23	02-Mar-23	03-May-23 A	16-Jun-23	-44	35%	Pier Erection			
P6 Substructure												
19W10.U.SD72	P6 Pier Erection	21	07-Mar-23	30-Mar-23	13-Mar-23 A	07-Jun-23	-52	90%	Pier Erection			
P7 Substructure												
19W10.U.SD112	P7 Cofferdam Installation and Pile Cap Construction	24	28-Apr-23	29-May-23	08-Jul-23	07-Aug-23	-4	0%	P7 Cofferdam Installation and Pile Cap Construction			
19W10.U.SD132	P7 Pier Erection	21	30-May-23	24-Jun-23	08-Aug-23	02-Sep-23	-4	0%	P7 Pier Erection			
P4 Substructure												
19W10.U.SD82	P4 Cofferdam Installation and Pile Cap Construction	24	27-Mar-23	27-Apr-23	15-Apr-23 A	27-May-23 A		100%	Cofferdam Installation and Pile Cap Construction			
19W10.U.SD98	P4 Pier Erection	21	28-Apr-23	24-May-23	08-Jul-23	03-Aug-23	15	0%	Pier Erection			
P3 Substructure												
19W10.U.SD142	P3 Cofferdam Installation and Pile Cap Construction	24	30-May-23	29-Jun-23	08-Aug-23	07-Sep-23	3	0%	P3 Cofferdam Installation and Pile Cap Construction			
Marine Viaduct Erection												
ACL P5 Span												
19W10.U.SD242	Erection of Hammer Head	28	03-Mar-23	04-Apr-23	17-Jun-23	24-Jul-23	-44	0%	Erection of Hammer Head			
19W10.U.SD252	Erection of Travelling Formworks TF1 for Segment N-1	5	06-Apr-23	14-Apr-23	25-Jul-23	31-Jul-23	-44	0%	Erection of Travelling Formworks TF1 for Segment N-1			
19W10.U.SD253	Erect Segment N-1	10	15-Apr-23	26-Apr-23	01-Aug-23	11-Aug-23	-44	0%	Erect Segment N-1			
19W10.U.SD254	Erection of Travelling Formworks TF2 for Segment N+1	5	27-Apr-23	03-May-23	12-Aug-23	18-Aug-23	-44	0%	Erection of Travelling Formworks TF2 for Segment N+1			
19W10.U.SD255	Erect Segment N+1	10	04-May-23	15-May-23	19-Aug-23	31-Aug-23	-44	0%	Erect Segment N+1			
ACL P6 Span												
19W10.U.SD272	Erection of Hammer Head	28	31-Mar-23	08-May-23	08-Jun-23	15-Jul-23	-52	0%	Erection of Hammer Head			
19W10.U.SD282	Erection of Travelling Formworks TF3 for Segment N-1	5	09-May-23	13-May-23	17-Jul-23	21-Jul-23	-52	0%	Erection of Travelling Formworks TF3 for Segment N-1			
19W10.U.SD283	Erect Segment N-1	10	15-May-23	27-May-23	22-Jul-23	03-Aug-23	-52	0%	Erect Segment N-1			
19W10.U.SD284	Erection of Travelling Formworks TF4 for Segment N+1	5	29-May-23	02-Jun-23	04-Aug-23	09-Aug-23	-52	0%	Erection of Travelling Formworks TF4 for Segment N+1			
19W10.U.SD285	Erect Segment N+1	10	03-Jun-23	15-Jun-23	10-Aug-23	22-Aug-23	-52	0%	Erect Segment N+1			

Actual LOE	Crit Milestone
Remaining LOE	Actual Milestone
Actual Work	Start Constraint
Remaining Work	Finish Constraint
Critical Remaining Work	No Predecessors
Milestone	No Successors













Project ID: C19W10/01-DWP-D-M15
Three-Month Rolling Programme (as of 31 May 2023)
 Page 1 of 2

Data Date: 31-May-23
Printed: 30-May-23 15:51
Layout: C19W10/01 ACL 3MR M15
TASK filter: 3 Mths Rolling.

Date	Revision	Checked	Approved
26-Feb-22	Initial Works Programme	DW	BH
10-May-22	Detailed Works Programme ...	DW	BH
22-Aug-22	Detailed Works Programme ...	DW	RN
31-Mar-23	Detailed Works Programme ...	DW	RN
31-May-23	3MRP - Update	DW	BH

C19W10/01 - ACL - Monthly Programme Rev.D Updated as of 31 May 2023

Activity ID	Activity Name	Orig Dur	DWP Rev.B Start	DWP Rev.B Finish	Start	Finish	Total Float	Physical % Complete	2023				
									May	Jun	Jul	Aug	
									16	17	18	19	
19W10.U.SD292	Cantilever Segment Erection (7 Cycles, 10 days per cycle)	70	16-Jun-23	14-Sep-23	23-Aug-23	20-Nov-23	-52	0%					Cantilever Segment Erection (7 Cycles, 10 days per cycle)
ACL P4 Span													
19W10.U.SD302	Erection of Hammer Head	28	25-May-23	30-Jun-23	04-Aug-23	08-Sep-23	15	0%					Erection of Hammer Head
ACL P3 Span													
19W10.U.SD367	Fabrication and Delivery of Bearing (for P3 & P8)	200	01-Nov-22	21-Jun-23	15-Feb-23 A	13-Jun-23	156	90%					
Viaduct Parapet Erection													
19W10.A.C0W555	Off-site Fabrication and Delivery of Precast Parapet	180	06-May-23	20-Dec-23	06-Jul-23	19-Feb-24	-8	0%					Off-site Fabrication and Delivery of Precast Parapet
Top Railing and Road Lighting Plinth													
19W10.A.C0W790	Off-site Fabrication and Delivery of Top Railing	180	06-May-23	20-Dec-23	06-Jul-23	19-Feb-24	28	0%					Off-site Fabrication and Delivery of Top Railing
Navigation Aids Installation													
19W10.A.C0W875	Off-site fabrication and delivery	107	30-May-23	16-Oct-23	21-Aug-23	03-Jan-24	43	0%					Off-site fabrication and delivery

 Actual LOE	 Crit Milestone
 Remaining LOE	 Actual Milestone
 Actual Work	 Start Constraint
 Remaining Work	 Finish Constraint
 Critical Remaining Work	 No Predecessors
 Milestone	 No Successors

Project ID: C19W10/01-DWP-D-M15
Three-Month Rolling Programme (as of 31 May 2023)
 Page 2 of 2

Data Date: 31-May-23
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TASK filter: 3 Mths Rolling.

Date	Revision	Checked	Approved
26-Feb-22	Initial Works Programme	DW	BH
10-May-22	Detailed Works Programme ...	DW	BH
22-Aug-22	Detailed Works Programme ...	DW	RN
31-Mar-23	Detailed Works Programme ...	DW	RN
31-May-23	3MRP - Update	DW	BH

Land Section



Preliminary Works Programme for Contract C21W18 - Airportcity Link
20230529 - Airportcity Link(2023-05-25) - CWPG-A04 for AA MU12



Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023						
							Mar	Apr	May	Jun	Jul	Aug	Sep
20230529 - Airportcity Link(2023-05-25) - CWPG-A04 for AA MU12													
Contract Dates													
Access Dates													
AD_1000	Access to C21W18/1 - Commencement of Works	0	06-Jun-22 08:00 A			100%							
AD_1010	Access to C21W18/2 - Commencement of Works	0	06-Jun-22 08:00 A			100%							
AD_1020	Access to C21W18/4B - Commencement of Works	0	06-Jun-22 08:00 A			100%							
AD_1030	Access to C21W18/7 - Commencement of Works	0	06-Jun-22 08:00 A			100%							
AD_1040	Access to C21W18/8 - Commencement of Works	0	06-Jun-22 08:00 A			100%							
AD_1050	Access to C21W18/6 - 26 Jan 23	0	01-Jun-23 08:00*		-126	0%				◆			
AD_1060	Access to C21W18/5 - 1 Mar 2023	0	01-Mar-23 08:00 A			100%	◆						
AD_1070	Access to C21W18/4A - 3 Mar 2023	0	01-Mar-23 08:00 A			100%	◆						
Schedule of Anticipated BD Approval Dates (PS Appendix C4)													
BD_1000	Structural Plans for SKYCITY Platform and Viaduct Portion (Including piles, pile caps and superstructure) - 30 Apr 22	0		13-Sep-22 18:00 A		100%							
BD_1010	Structural Plans for HKP Platform and Viaduct Portion (Including piles, pile caps and superstructure) - 30 Apr 22	0		13-Sep-22 18:00 A		100%							
BD_1020	Structural Plans for SKYCITY Platform Canopy - 30 Sep 22	0		31-May-23 18:00*	-243	0%				◆			
BD_1030	Structural Plans for HKP Platform Canopy - 30 Sep 22	0		31-May-23 18:00*	-243	0%				◆			
BD_1040	Drainage Plans for SKYCITY Platform and Viaduct SKYCITY Portion - 31 Jul 22	0		06-Mar-23 18:00 A		100%	◆						
BD_1050	Drainage Plans for HKP Platform and Viaduct HKP Portion - 31 Jul 22	0		06-Mar-23 18:00 A		100%	◆						
BD_1060	Drainage Plans for Associated Roads at Airport Island - 31 Jul 22	0		06-Mar-23 18:00 A		100%	◆						
BD_1070	Roadworks - 31 Jul 22	0		06-Mar-23 18:00 A		100%	◆						
BD_1080	Structural Plans for At-Grade Plant Room - 31 Jul 22	0		13-Sep-22 18:00 A		100%							
BD_1090	Building Drainages Plans for At-Grade Plant Room - 31 Jul 22	0		06-Mar-23 18:00 A		100%	◆						
BD_1100	Structural Plans for Miscellaneous Items (including lamp post and signage) - 30 Sep 22	0		31-May-23 18:00*	-243	0%				◆			
Procurement													
Subcontractor													
General Works													
K2_G_PR_1000	Provision of Survey Services	20	06-Jun-22 08:00 A	28-Jun-22 18:00 A		100%							
K2_G_PR_1010	Cable Detection	19	06-Jun-22 08:00 A	27-Jun-22 18:00 A		100%							

■ Actual Work ◆ Milestone
■ Remaining Work
■ Critical Remaining Work

Project ID: CWPG-A04D-IPM-AA-12
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Data Date: 31-May-23
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 Layout: C21W18 - 3M
 TASK filters: C21W18 - 3 M, Without WBS Summary.

Date	Revision	Checked	Approved
10-May-23...	C21W18 - CWPG-A04	Gary Yeung	Kingsley Chiang



Preliminary Works Programme for Contract C21W18 - Airportcity Link
20230529 - Airportcity Link(2023-05-25) - CWPG-A04 for AA MU12



中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGRG. (HONG KONG) LTD.

Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023					
							Mar	Apr	May	Jun	Jul	Aug
K2_G_PR_1020	Traffic Consultant	19	06-Jun-22 08:00 A	27-Jun-22 18:00 A		100%						
K2_G_PR_1030	Site Miscellaneous Works including. Instrumental installation	45	06-Jun-22 08:00 A	30-Jun-22 18:00 A		100%						
K2_G_PR_1040	Temporary Electricity and Water Supply Establishment	22	06-Jun-22 08:00 A	30-Jun-22 18:00 A		100%						
K2_G_PR_1070	Independent Checking Engineer (ICE)	38	06-Jun-22 08:00 A	20-Jul-22 18:00 A		100%						
K2_G_PR_1080	Design Consultant Services (Facade)	75	06-Jun-22 08:00 A	05-Aug-22 18:00 A		100%						
K2_G_PR_1090	Lab Test Services	55	06-Jun-22 08:00 A	15-Sep-22 18:00 A		100%						
K2_G_PR_1100	Ground Investigation	45	06-Jun-22 08:00 A	30-Aug-22 18:00 A		100%						
K2_G_PR_1110	Demolition Works	60	06-Jun-22 08:00 A	27-Sep-22 18:00 A		100%						
K2_G_PR_1120	Piling Works	70	06-Jun-22 08:00 A	30-Sep-22 18:00 A		100%						
K2_G_PR_1130	Fresh and Salt Water Supply Mains	75	06-Jun-22 08:00 A	21-Mar-23 18:00 A		100%	█					
K2_G_PR_1160	Metal and Glass Canopy	150	06-Jun-22 08:00 A	11-Jul-23 18:00	211	0%	█	█				
K2_G_PR_1170	Metal Cladding Facade	150	06-Jun-22 08:00 A	11-Jul-23 18:00	211	0%	█	█				
K2_G_PR_1180	Structural Steelwork for Canopy	150	06-Jun-22 08:00 A	11-Jul-23 18:00	211	0%	█	█				
K2_G_PR_1210	Asphalt Laying	49	06-Jun-22 08:00 A	10-Aug-22 18:00 A		100%						
K2_G_PR_1220	Road Marking	49	06-Jun-22 08:00 A	02-Aug-22 18:00 A		100%						
K2_G_PR_1230	Temporary Road Light	49	18-Aug-22 08:00 A	31-Aug-22 18:00 A		100%						
K2_G_PR_1250	Specialist for Fuel Inlet Pipe Modification Works	98	06-Jun-22 08:00 A	17-Oct-22 18:00 A		100%						
K2_G_PR_1300	Prestressing	240	06-Jun-22 08:00 A	24-Oct-23 18:00	134	0%	█	█	█	█	█	█
K2_G_PR_1320	Movement Joint for Viaduct	90	06-Jun-22 08:00 A	21-Sep-22 18:00 A		100%						
K2_G_PR_1330	Landscape Specialist	150	01-Jun-23 08:00	28-Nov-23 18:00	54	0%				█	█	█
E&M Works												
EM_1130	Mechanical System - Prepare sub-contract document	30	06-Jun-22 08:00 A	06-Jul-22 18:00 A		100%						
EM_1140	Mechanical System - invite sub-contract tender and return quotation	30	07-Jul-22 08:00 A	06-Aug-22 18:00 A		100%						
EM_1150	Mechanical System - Quotation assessment	14	08-Aug-22 08:00 A	30-Aug-22 18:00 A		100%						
EM_1160	Mechanical System - Confirm sub-contract	60	01-Sep-22 08:00 A	02-Nov-22 18:00 A		100%						
EM_1180	Hydraulic System - Prepare sub-contract document	30	06-Jun-22 08:00 A	06-Jul-22 18:00 A		100%						
EM_1190	Hydraulic System - invite sub-contract tender and return quotation	30	07-Jul-22 08:00 A	06-Aug-22 18:00 A		100%						
EM_1200	Hydraulic System - Quotation assessment	14	08-Aug-22 08:00 A	30-Aug-22 18:00 A		100%						

█ Actual Work ◆ Milestone
█ Remaining Work
█ Critical Remaining Work

Project ID: CWPG-A04D-IPM-AA-12
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Data Date: 31-May-23
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Layout: C21W18 - 3M
TASK filters: C21W18 - 3 M, Without WBS Summary.

Date	Revision	Checked	Approved
10-May-23...	C21W18 - CWPG-A04	Gary Yeung	Kingsley Chiang



Preliminary Works Programme for Contract C21W18 - Airportcity Link
20230529 - Airportcity Link(2023-05-25) - CWPG-A04 for AA MU12



Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023						
							Mar	Apr	May	Jun	Jul	Aug	Sep
EM_1210	Hydraulic System - Confirm sub-contract	60	01-Sep-22 08:00 A	02-Nov-22 18:00 A		100%							
EM_1230	Electrical System - Prepare sub-contract document	30	06-Jun-22 08:00 A	06-Jul-22 18:00 A		100%							
EM_1240	Electrical System - invite sub-contract tender and return quotation	30	07-Jul-22 08:00 A	06-Aug-22 18:00 A		100%							
EM_1250	Electrical System - Quotation assessment	14	08-Aug-22 08:00 A	30-Aug-22 18:00 A		100%							
EM_1260	Electrical System - Confirm sub-contract	60	01-Sep-22 08:00 A	02-Nov-22 18:00 A		100%							
EM_1280	Lift and Escalator - Prepare sub-contract document	30	06-Jun-22 08:00 A	06-Jul-22 18:00 A		100%							
EM_1290	Lift and Escalator - invite sub-contract tender and return quotation	30	07-Jul-22 08:00 A	06-Aug-22 18:00 A		100%							
EM_1300	Lift and Escalator - Quotation assessment	14	08-Aug-22 08:00 A	30-Aug-22 18:00 A		100%							
EM_1310	Lift and Escalator - Confirm sub-contract	60	31-Aug-22 08:00 A	20-Oct-22 18:00 A		100%							
EM_1330	Airport System - Prepare sub-contract document	30	06-Jun-22 08:00 A	06-Jul-22 18:00 A		100%							
EM_1340	Airport System - invite sub-contract tender and return quotation	30	07-Jul-22 08:00 A	06-Aug-22 18:00 A		100%							
EM_1350	Airport System - Quotation assessment	14	08-Aug-22 08:00 A	22-Aug-22 18:00 A		100%							
EM_1360	Airport System - Confirm sub-contract	60	23-Aug-22 08:00 A	02-Nov-22 18:00 A		100%							
EM_2040	Fire Service System - Prepare sub-contract document	30	01-Jun-23 08:00	07-Jul-23 18:00	242	0%							
EM_2050	Fire Service System - invite sub-contract tender and return quotation	30	08-Jul-23 08:00	11-Aug-23 18:00	242	0%							
EM_2060	Fire Service System - Quotation assessment	14	12-Aug-23 08:00	28-Aug-23 18:00	242	0%							
EM_2070	Fire Service System - Confirm sub-contract	60	29-Aug-23 08:00	09-Nov-23 18:00	242	0%							
Facade, Structural Steel for Canopy, Bearing													
Aluminium Canopy Feature													
KD2_G_PR_3098	BD submission approval for canopy main frame Prior to Schematic Design	0	01-Jun-23 08:00		-199	0%							
KD2_G_PR_4000	Schematic Design (Inhabit)	60	16-Feb-23 08:00 A	01-Jun-23 18:00	-199	60%							
KD2_G_PR_4010	Detail Design Preparation and submission	45	02-Jun-23 08:00	26-Jul-23 18:00	-199	0%							
KD2_G_PR_4020	Design drawing to AA for Approval/ Comment	28	27-Jul-23 08:00	28-Aug-23 18:00	-199	0%							
KD2_G_PR_4022	Design drawing to Consultant for Approval/ Comment	28	27-Jul-23 08:00	28-Aug-23 18:00	-199	0%							
KD2_G_PR_4030	Subletting to Subcontractor - Tendering Document Stage	14	29-Aug-23 08:00	13-Sep-23 18:00	-199	0%							
KD2_G_PR_4070	BD submission preparation for canopy sub frame (Inhabit)	45	29-Aug-23 08:00	21-Oct-23 18:00	-199	0%							
Bearings													
KD2_G_PR_2200	Procurement of Sub-contractor	99	06-Jun-22 08:00 A	21-Sep-22 18:00 A		100%							

█ Actual Work ◆ Milestone
█ Remaining Work
█ Critical Remaining Work

Project ID: CWPG-A04D-IPM-AA-12
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Data Date: 31-May-23
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 Layout: C21W18 - 3M
 TASK filters: C21W18 - 3 M, Without WBS Summary.

Date	Revision	Checked	Approved
10-May-23...	C21W18 - CWPG-A04	Gary Yeung	Kingsley Chiang



Preliminary Works Programme for Contract C21W18 - Airportcity Link
20230529 - Airportcity Link(2023-05-25) - CWPG-A04 for AA MU12



Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023						
							Mar	Apr	May	Jun	Jul	Aug	Sep
KD2_G_PR_2210	Design Submission of Bearing	60	22-Sep-22 08:00 A	07-May-23 18:00 A		100%	[Gantt bar: Mar to May]						
KD2_G_PR_2212	BD Review the Bearing Design and Issue the Approval	60	01-Jun-23 08:00	30-Jul-23 18:00	-81	0%	[Gantt bar: Jun to Jul]						
KD2_G_PR_2220	Procurement of Bearing Material	150	08-May-23 08:00 A	29-Sep-23 18:00	22	0%	[Gantt bar: May to Sep]						
KD2_G_PR_2230	Submit the Revised Superstructural Plan to Incorporate the Approved Bearing Design	2	31-Jul-23 08:00	01-Aug-23 18:00	-66	0%	[Gantt bar: Jul to Aug]						
KD2_G_PR_2240	BD Approve Revised Superstructural Plan with Bearing Details Prior to Submission of BA8 for Start of Superstructure	28	02-Aug-23 08:00	29-Aug-23 18:00	-81	0%	[Gantt bar: Aug to Sep]						
Fall Arrest System													
KD2_G_PR_2350	Procurement of Sub-contractor	280	01-Jun-23 08:00	10-May-24 18:00	-95	0%	[Gantt bar: Jun to May-24]						
Design & Submission - E&M													
Mechanical System													
EM_2020	AAWP & MS and Drawings for Mechaical System - Prepare & submit document	28	30-Dec-22 08:00 A	05-Jul-23 18:00	-36	37%	[Gantt bar: Dec to Jul]						
EM_2030	AAWP & MS and Drawings for Mechaical System - PM review and approval	28	06-Jul-23 08:00	07-Aug-23 18:00	-36	0%	[Gantt bar: Jul to Aug]						
Hydraulic System													
EM_1010	AAWP & MS and Drawings for Hydraulic System - Prepare & submit document	150	30-Dec-22 08:00 A	29-Sep-23 18:00	24	40%	[Gantt bar: Dec to Sep]						
Electrical System													
EM_1040	AAWP & MS and Drawings for Electrical System - Prepare & submit document	150	30-Dec-22 08:00 A	13-Oct-23 18:00	-30	30%	[Gantt bar: Dec to Oct]						
Lift & Escalator													
KD2_HKPP_G_4000	HKP - New Lift - Submit AAWP & MS for Lift	90	07-Mar-23 08:00 A	15-Sep-23 18:00	235	55%	[Gantt bar: Mar to Sep]						
KD2_HKPP_G_5000	HKP - Escalator - Submit AAWP & MS for Escalator	90	04-Mar-23 08:00 A	15-Sep-23 18:00	235	55%	[Gantt bar: Mar to Sep]						
Airport System													
EM_1100	AAWP & MS and Drawings for Airport System - Prepare & submit document	150	30-Dec-22 08:00 A	29-Sep-23 18:00	67	60%	[Gantt bar: Dec to Sep]						
Air Conditioning Unit													
EM_1430	Computer Room Air Conditioning Unit - Preparation and submission of document to PM	30	09-Mar-23 08:00 A	21-Jun-23 18:00	99	15%	[Gantt bar: Mar to Jun]						
EM_1440	Computer Room Air Conditioning Unit - PM comment and approval	30	23-Jun-23 08:00	28-Jul-23 18:00	99	0%	[Gantt bar: Jun to Jul]						
EM_1450	Computer Room Air Conditioning Unit - Place order and manufacture	180	29-Jul-23 08:00	05-Mar-24 18:00	99	0%	[Gantt bar: Jul to Mar-24]						
Generator Set													
EM_1590	Generator Sets with necessary accessories - Preparation and submission of document to PM	30	06-Mar-23 08:00 A	07-Jul-23 18:00	131	12.5%	[Gantt bar: Mar to Jul]						
EM_1600	Generator Sets with necessary accessories - PM comment and approval	30	11-Apr-23 08:00 A	11-Aug-23 18:00	131	10%	[Gantt bar: Apr to Aug]						
EM_1610	Generator Sets with necessary accessories - Place order and manufacture	180	12-Aug-23 08:00	19-Mar-24 18:00	131	0%	[Gantt bar: Aug to Mar-24]						

█ Actual Work ◆ Milestone
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Preliminary Works Programme for Contract C21W18 - Airportcity Link
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Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023						
							Mar	Apr	May	Jun	Jul	Aug	Sep
Voltage Regulator													
EM_1630	Voltage Regulator -Preparation and submission of document to PM	30	22-Feb-23 08:00 A	01-Mar-23 18:00 A		100%							
EM_1640	Voltage Regulator -PM comment and approval	30	01-Apr-23 08:00 A	07-Jul-23 18:00	124	10%							
EM_1650	Voltage Regulator - Place order and manufacture	180	08-Jul-23 08:00	09-Feb-24 18:00	124	0%							
Lift													
KD2_HKPP_G_4032	HKP - New Lift - Prepare & Submit the Material Proposal to PM	90	13-Feb-23 08:00 A	13-Apr-23 18:00 A		100%							
KD2_HKPP_G_4034	HKP - New Lift - PM Comment & Approval	30	04-Mar-23 08:00 A	07-Jul-23 18:00	115	52.5%							
KD2_HKPP_G_4040	HKP - New Lift - Place Order & Manufacture	180	08-Jul-23 08:00	09-Feb-24 18:00	115	0%							
Escalator													
KD2_HKPP_G_5040	HKP - Escalator - Prepare & Submit the Material Proposal to PM	60	13-Feb-23 08:00 A	03-Mar-23 18:00 A		100%							
KD2_HKPP_G_5050	HKP - Escalator - PM Comment & Approval	30	04-Mar-23 08:00 A	07-Jul-23 18:00	117	52.5%							
KD2_HKPP_G_5060	HKP - Escalator - Place Order & Manufacture	180	08-Jul-23 08:00	09-Feb-24 18:00	117	0%							
Ventilation Fan													
EM_1390	Ventilation Fans -Preparation and submission of document to PM	30	30-Dec-22 08:00 A	11-Sep-23 18:00	-36	5%							
E&M Statutory Submission													
DG Inspection Related													
EM_1720	Dangerous Goods Inspection by FSD for At Grade Plant Room	1	04-Mar-23 08:00 A	12-Feb-25 18:00	-87	50%							
Executive Summary (LOE)													
Sky City Platform - Executive Summary (LOE)													
Sky City Platform - Executive Summary (LOE) - Pile Group 1 & Superstructure Portion 1													
SCP_LOE_0000	BA8, BA10 for Bored Pile Construction Commencement Submission & Consent	128	06-Jun-22 08:00 A	20-Feb-23 18:00 A		100%							
SCP_LOE_0010	Prepare, Submission & Approval for UU Diversion Proposal	89	10-Aug-22 08:00 A	28-Mar-23 18:00 A		100%							
Sky City Platform - Executive Summary (LOE) - North Bound Pile Group 1 to Portion 1 Main Beam													
SCP_LOE_1000	Sky City Platform North Bound - TTAapproval & Implementation	89	06-Jun-22 08:00 A	12-Nov-22 18:00 A		100%							
SCP_LOE_1010	Sky City Platform North Bound - Bypass Gasmain Laying to Avoid Obstruction to 132KV Cable Diversion	26	28-Dec-22 08:00 A	11-Feb-23 18:00 A		100%							
SCP_LOE_1020	Sky City Platform North Bound - CLP 132KV Cable Diversion (by CLP)	60	15-Apr-23 08:00 A	15-Jul-23 18:00	-253	1%							
SCP_LOE_1030	Sky City Platform North Bound - Gasmain Diversion after Completion of CLP 132KV Cable Diversion	34	17-Jul-23 08:00	19-Aug-23 18:00	-253	0%							
SCP_LOE_1040	Sky City Platform North Bound - Pile Group 1 (S-P9~S-P12) Construction	78	21-Aug-23 08:00	06-Nov-23 18:00	-250	0%							

■ Actual Work ◆ Milestone
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Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023						
							Mar	Apr	May	Jun	Jul	Aug	Sep
Sky City Platform - Executive Summary (LOE) - South Bound Pile Group 1 to Portion 1 Main Beam													
SCP_LOE_1080	Sky City Platform South Bound - TTAA Approval & Implementation	71	06-Jun-22 08:00 A	07-Sep-22 18:00 A		100%							
SCP_LOE_1090	Sky City Platform South Bound - Excavation & Duct Laying for CLP 11Kv Cable Diversion	23	08-Sep-22 08:00 A	28-Apr-23 18:00 A		100%							
SCP_LOE_1100	Sky City Platform South Bound - CLP 11Kv Cable Diversion (By CLP) - Upon UU Diversion Proposal Agreed	60	02-May-23 08:00 A	25-Jul-23 18:00	-222	0%							
SCP_LOE_1110	Sky City Platform South Bound - Pile Group 1 (S-P3~S-P6) Construction	77	26-Jul-23 08:00	10-Oct-23 18:00	-155	0%							
Sky City Viaduct - Executive Summary (LOE)													
Sky City Viaduct - Executive Summary (LOE) - ELS													
SCV_LOE_2000	ELS Design & Approval	211	06-Jun-22 08:00 A	16-Dec-22 18:00 A		100%							
SCV_LOE_2010	BA8, BA10 & Consent for Commencement of ELS Works	43	17-Dec-22 08:00 A	07-Jun-23 18:00	-56	0%							
SCV_LOE_2020	Sky City Viaduct Portion 1 - ELS including Sheet Pile & Excavation for Pile Cap P2	119	08-Jun-23 08:00	04-Oct-23 18:00	36	0%							
Sky City Viaduct - Executive Summary (LOE) - Portion 1 (Span A2 to P2)													
Sky City Viaduct - Executive Summary (LOE) - Portion 1 - Pile Construction including BA14													
SCV_LOE_2030	Sky City Viaduct Portion 1 - Construct Pile P2-1 to P2-3 (upon receipt of BD Consent for BA8)	58	28-Mar-23 08:00 A	01-Jun-23 18:00	46	0%							
SCV_LOE_2040	Sky City Viaduct Portion 1 - Testing, 28 Strength, BA14 Submission & Consent	53	02-Jun-23 08:00	24-Jul-23 18:00	80	0%							
Sky City Viaduct - Executive Summary (LOE) - Portion 1 - BA8 & BA10 & Superstructure													
SCV_LOE_2050	Sky City Viaduct Portion 1 - Design of Bearing Design & Approval	252	06-Jun-22 08:00 A	30-Jul-23 18:00	-81	0%							
SCV_LOE_2060	Sky City Viaduct Portion 1 - Submit Revised Superstructure Plan to BD with Bearing Design & Consent	30	31-Jul-23 08:00	29-Aug-23 18:00	-81	0%							
SCV_LOE_2070	Sky City Viaduct Portion 1 - BA8 & BA10 Submission & Consent for Superstructure Commencement	36	30-Aug-23 08:00	04-Oct-23 18:00	36	0%							
HK Port - Platform - Executive Summary (LOE)													
HK Port - Platform - Executive Summary (LOE) - Pile Group 1 & Portion 1													
HKPP_LOE_3000	HKPP Pile Group 1 - TTA, Predrill & Founding Level Determination	144	06-Jun-22 08:00 A	24-Apr-23 18:00 A		100%							
HKPP_LOE_3010	HKPP Pile Group 1 - Construct Pile No. P6, P7, P8	108	16-Feb-23 08:00 A	07-Jul-23 18:00	-76	0%							
HKPP_LOE_3020	HKPP Pile Group 1 - Construct Pile No. P10, P12, P16	108	14-Apr-23 08:00 A	17-Jul-23 18:00	-48	0%							
HKPP_LOE_3030	HKPP Pile Group 1 - Submit BA14 & BD Acknowledge of Pile Completion	46	18-Jul-23 08:00	01-Sep-23 18:00	-47	0%							
HKPP_LOE_3040	HKPP Pile Portion 1 - Submit BA8, Obtain BD Consent & Submit BA10	47	14-Aug-23 08:00	29-Sep-23 18:00	-47	0%							
HK Port - Platform - Executive Summary (LOE) - Pile Group 2 & Portion 2													
HKPP_LOE_3110	HKPP Pile Group 2 - TTA, Predrill & Founding Level Determination	206	06-Jun-22 08:00 A	08-Jun-23 18:00	-49	0%							
HKPP_LOE_3120	HKPP Pile Group 2 - Construct Pile No. P11, P13, P19, (upon Completion of P10, P12, P16)	107	19-Apr-23 08:00 A	29-Aug-23 18:00	-56	0%							

■ Actual Work ◆ Milestone
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							Mar	Apr	May	Jun	Jul	Aug	Sep
HKPP_LOE_3122	HKPP Pile Group 2 - Modification of Fuel Inlet which is obstructing the Construction of Pile P17 & P18	249	17-Oct-22 08:00 A	12-Jul-23 18:00	-8	0%							
HKPP_LOE_3130	HKPP Pile Group 2 - Construct Pile No. P17, P18, (upon P19 & Fuel Pipe Inlet Modification)	73	20-May-23 08:00 A	06-Nov-23 18:00	-60	0%							
HK Port - Platform - Executive Summary (LOE) - Pile Group 3 & Portion 3													
HKPP_LOE_3220	HKPP Pile Group 3 - TTA, Predrill & Founding Level Determination	229	06-Jun-22 08:00 A	08-Jun-23 18:00	102	0%							
HKPP_LOE_3240	HKPP Pile Group 3 - FD & LV Cable Diversion for Construction of Pile P1 ~ P5	107	11-May-23 08:00 A	15-Sep-23 18:00	-156	0%							
HK Port - Platform - Executive Summary (LOE) - Pile Group 4 & Portion 4													
HKPP_LOE_3340	HKPP Pile Group 4 - TTA, Predrill & Founding Level Determination	218	06-Jun-22 08:00 A	19-Apr-23 18:00 A		100%							
HK Port - Platform - Executive Summary (LOE) - Pile Group 5 & Portion 5													
HKPP_LOE_3460	HKPP Pile Group 5 - Temporary Staircase Proposal Submission & Approval	14	31-Jan-23 08:00 A	28-Feb-23 18:00 A		100%							
HKPP_LOE_3462	HKPP Pile Group 5 - Erect Temporary Staircase & hand Over to Public For Use(5 day for Realign Fence before LOE_3464)	101	09-Mar-23 08:00 A	08-Jun-23 18:00	-117	0%							
HKPP_LOE_3464	HKPP Pile Group 5 - Realign Security fence for Demolition of Existing Staircase & Lift	5	09-Jun-23 08:00	13-Jun-23 18:00	-117	0%							
HKPP_LOE_3466	HKPP Pile Group 5 - Termination of Power & demolition Existing Lift & Staircase	69	14-Jun-23 08:00	21-Aug-23 18:00	-115	0%							
HKPP_LOE_3468	HKPP Pile Group 5 - Predrill & Determination of Founding Level	38	22-Aug-23 08:00	28-Sep-23 18:00	-112	0%							
HKP Viaduct - Executive Summary (LOE)													
HKP Viaduct - Executive Summary (LOE) - UU Diversion prior to Commencement of Piling Works													
HKPV_LOE_6000	HKP Viaduct - WSD Submission & Approval prior to Commencement of Watermain Diversion	108	06-Jun-22 08:00 A	08-Jun-23 18:00	-264	0%							
HKPV_LOE_6010	HKP Viaduct - Water Main Diversion Stage 1, 2, & Water Supply Connection	68	25-Apr-23 08:00 A	17-Aug-23 18:00	-196	0%							
HKPV_LOE_6012	HKP Viaduct - TTA Scheme Submission, Approval, Implement TTA	109	07-Dec-22 08:00 A	25-Apr-23 18:00 A		100%							
HKPV_LOE_6020	HKP Viaduct - LV, ELV, CT Cable Duct Laying from Stage 1 to Stage 6	92	13-Jun-23 08:00	12-Sep-23 18:00	-264	0%							
HKP Viaduct - Executive Summary (LOE) - Pile Group 2, 3 & Portion 2													
HKP Viaduct - Executive Summary (LOE) - Pile Group 2 Piling Works (P8-P10)													
HKPV_LOE_6238	HKP Viaduct - Predrilling & Determination of Founding Level (Start after Access on 1 Mar 23)	24	09-Mar-23 08:00 A	08-Jun-23 18:00	-72	0%							
HKPV_LOE_6240	HKP Viaduct - Construct Bored Pile Group 2 of P9 to P10 (by Two Rigs)	107	09-Jun-23 08:00	23-Sep-23 18:00	-8	0%							
At-Grade Plant Room - Executive Summary (LOE)													
At-Grade Plant Room - UU Diversion													
At-Grade Plant Room - UU Diversion - TTA Scheme Submission & Approval													
AGPR_LOE_8000	AGPR - TTA Submission & Approval for Existing DN1650mm Storm Drain Diversion	117	06-Jun-22 08:00 A	12-Jun-23 18:00	-172	0%							
At-Grade Plant Room - UU Diversion													

- Actual Work
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							Mar	Apr	May	Jun	Jul	Aug
AGPR_LOE_8010	AGPR - Coordination with telecom & relevant Parties for Diversion of FD, CT, FN, LV Cables	120	06-Jun-22 08:00 A	07-Nov-22 18:00 A		100%						
AGPR_LOE_8012	AGPR - Existing FD, CT, LV Cable Diversion	56	26-Jul-23 08:00	19-Sep-23 18:00	-13	0%						
AGPR_LOE_8014	AGPR - ELS Design, Approval, BA8, BA10	201	06-Jun-22 08:00 A	01-Sep-23 18:00	-253	0%						
Airport System - Executive Summary (LOE)												
AS_LOE_9000	Airport System - Design, Method Statement, AA's Works Permit Submission & Approval	95	14-Nov-22 08:00 A	20-Aug-23 18:00	389	0%						
AS_LOE_9010	Airport System - Procurement of Subcontract	126	11-Aug-22 08:00 A	23-Mar-23 18:00 A		100%						
AS_LOE_9020	Airport System - Long Lead Items	219	01-Jun-23 08:00	05-Jan-24 18:00	251	0%						
Construction												
KD-1 - Demolition of TPSO (3 Dec 2022)												
KD1_1010	Investigation & Permits prior to Disconnect TPSO Facilities	70	06-Jun-22 08:00 A	16-Aug-22 18:00 A		100%						
KD1_1020	Disconnect all Facilities for TPSO / Termination of Existing E&M Services	1	17-Aug-22 08:00 A	18-Aug-22 18:00 A		100%						
KD1_1021	Submission & Approval for Method Statement for Demolition Works	14	02-Sep-22 08:00 A	15-Sep-22 18:00 A		100%						
KD1_1022	Submission & Approval for the Works Permit for Demolition	14	16-Sep-22 08:00 A	21-Sep-22 18:00 A		100%						
KD1_1030	Demolition of Associated Plant Room, Water Tank & Septic Tank	11	28-Sep-22 08:00 A	11-Nov-22 18:00 A		100%						
KD1_1032	Erect Scaffolding for Protection Screen	7	22-Sep-22 08:00 A	27-Sep-22 18:00 A		100%						
KD2 - Complete Viaducts & Platforms, Associated Road Works, Facilities & At-Grade Plant Room												
ELS Design & BD Approval - Sky City & HKP Pile Caps, Lift Pit, Drainage/Fuel Tank etc.												
KD2_ELS_1000	Prepare ELS Design & ICE Certificate	75	06-Jun-22 08:00 A	01-Oct-22 18:00 A		100%						
KD2_ELS_1050	Submit BA10 SSP to BD Prior to Commencement of ELS (Vertical Element)	7	01-Jun-23 08:00	07-Jun-23 18:00	-56	0%						
Statutory Submission & Consent for BD												
KD2_BD_F_1030	Submit BA 8 for Commencement of Bored Pile Works	7	05-Nov-22 08:00 A	06-Jan-23 18:00 A		100%						
KD2_BD_F_1040	BD Issue the Consent for Commencement of Bored Pile Works	28	07-Jan-23 08:00 A	10-Feb-23 18:00 A		100%						
KD2_BD_F_1060	Submission & Approval of Hoarding Plan for Piling Works	75	08-Jul-22 08:00 A	06-Apr-23 18:00 A		100%						
KD2_BD_F_1070	Erect Hoarding Prior to Commencement of Piling works	14	07-Apr-23 08:00 A	13-Apr-23 18:00 A		100%						
UU Diversion Proposal According to PS Appendix F for CLP, Telecom, (CT,FNO)												
KD2_UU_DP_1000	Submission and Approval of TTA for Trial Pit Excavation	25	10-Aug-22 08:00 A	06-Sep-22 18:00 A		100%						
KD2_UU_DP_1010	Trail Pit Excavation & Identification of UU Locations	14	22-Jul-22 08:00 A	16-Sep-22 18:00 A		100%						
KD2_UU_DP_1020	Prepare & Submit the UU Survey Report	7	08-Aug-22 08:00 A	24-Sep-22 18:00 A		100%						

- Actual Work
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							Mar	Apr	May	Jun	Jul	Aug	Sep	
KD2_UU_DP_1030	Prepare & Submit UU Diversion Proposal to PM & Agree with UU Companies	28	09-Nov-22 08:00 A	28-Mar-23 18:00 A		100%	█							
Sky City Platform														
Sky City Platform - Foundation														
G.I. Subcontractor - Subletting & BD Approval														
KD2_SCP_F_1490	Award G.I. Subcontractor	0		30-Aug-22 18:00 A		100%								
KD2_SCP_F_1500	Prepare G.I. Specialist Document to BD for Approval	7	31-Aug-22 08:00 A	07-Sep-22 18:00 A		100%								
KD2_SCP_F_1510	Submit BA10 for Commencement of G.I. Works	7	08-Sep-22 08:00 A	15-Sep-22 18:00 A		100%								
KD2_SCP_F_1520	BD Issue Consent for G.I. Commencement	7	16-Sep-22 08:00 A	23-Sep-22 18:00 A		100%								
TTA Stage 0 - Remove Section of Central Divider														
KD2_SCP_F_1320	Approval of TTA Scheme	28	07-Jul-22 08:00 A	08-Aug-22 18:00 A		100%								
KD2_SCP_F_1330	TTA Stage 0 - Enclosure of Slow Lane & Fast Lane of South Bound at North at Sky City Road East (SRCE/007)	2	09-Aug-22 08:00 A	09-Aug-22 18:00 A		100%								
KD2_SCP_F_1340	TTA Stage 0 - Remove Section of Central Divider	3	10-Aug-22 08:00 A	31-Aug-22 18:00 A		100%								
TTA Stage 1 - Partial Contra-Flow of North Bound Fast Lane to South Bound														
KD2_SCP_F_1032	TTA Stage 1 - Partial Contra-Flow Traffic at North Bound Fast Lane (SCRE/001 2A)	1	02-Sep-22 08:00 A	02-Sep-22 18:00 A		100%								
KD2_SCP_F_1040	TTA Stage 1 (S/B) - Trial Pit Excavation	5	03-Sep-22 08:00 A	07-Sep-22 18:00 A		100%								
KD2_SCP_F_1350	TTA Stage 1 (N/B) - Trial Pit Excavation	5	03-Sep-22 08:00 A	07-Sep-22 18:00 A		100%								
TTA Stage 2 - Full Contra-Flow of North Bound Fast Lane to South Bound														
KD2_SCP_F_1450	TTA Stage 2A - TTA for Further Removal of Central Divider & Shift Traffic Light (SCRE/012)	1	07-Oct-22 08:00 A	07-Oct-22 18:00 A		100%								
KD2_SCP_F_1610	TTA Stage 2A - Remove Central Divider & Shift Traffic Light	14	08-Oct-22 08:00 A	11-Nov-22 18:00 A		100%								
KD2_SCP_F_1620	TTA Stage 2B - TTA for Full Contra-flow of North Bound Fast Lane (SCRE/011)	1	12-Nov-22 08:00 A	12-Nov-22 18:00 A		100%								
TTA Stage 2 - North Bound														
North Bound - TTA Stage 2 - G.I. Works														
KD2_SCP_F_1420	TTA Stage 2 (N/B) - G.I. for Determination of Bored Pile Founding Level	60	03-Oct-22 08:00 A	25-Mar-23 18:00 A		100%	█							
KD2_SCP_F_1430	TTA Stage 2 (N/B) - Prepare G.I. Log	7	27-Mar-23 08:00 A	07-Jun-23 18:00	-149	66.7%	█	█						
KD2_SCP_F_1440	TTA Stage 2 (N/B) - Review Bored Log & Accept the Proposed Founding Levels for Bored Piles	7	08-Jun-23 08:00	15-Jun-23 18:00	-149	0%			█					
North Bound - TTA Stage 2 - UU Diversion														
KD2_SCP_F_1370	TTA Stage 2 (N/B) - Excavation for Gas Main Bypass the 132kV Joint Bay	9	28-Dec-22 08:00 A	07-Jan-23 18:00 A		100%								
KD2_SCP_F_1380	TTA Stage 2 (N/B) - Install Gas Main Bypass the 132kV Joint Bay	14	09-Feb-23 08:00 A	11-Feb-23 18:00 A		100%								

█ Actual Work ◆ Milestone
█ Remaining Work
█ Critical Remaining Work

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10-May-23...	C21W18 - CWPG-A04	Gary Yeung	Kingsley Chiang



Preliminary Works Programme for Contract C21W18 - Airportcity Link
20230529 - Airportcity Link(2023-05-25) - CWPG-A04 for AA MU12



Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023							
							Mar	Apr	May	Jun	Jul	Aug	Sep	
KD2_SCP_F_1390	TTA Stage 2 (N/B) - Trench Excavation, Duct Laying & Draw Pit Construction for CLP 132kV Cable Diversion	23	22-Sep-22 08:00 A	11-Feb-23 18:00 A		100%								
KD2_SCP_F_1400	TTA Stage 2 (N/B) - CLP Lay Cable, Joint Bay Excavation & Connection (By CLP)	60	15-Apr-23 08:00 A	15-Jul-23 18:00	-253	14%								
KD2_SCP_F_1410	TTA Stage 2 (N/B) - Gas Main Diversion	30	17-Jul-23 08:00	19-Aug-23 18:00	-203	0%								
North Bound - TTA Stage 2 - Bored Piling Works														
KD2_SCP_F_1000	TTA Stage 2(N/B) Group 1 - Construct Bored Pile S-P9 to S-P12 (4 no x 16d/p = 64d)	64	21-Aug-23 08:00	06-Nov-23 18:00	-203	0%								
TTA Stage 2 - South Bound														
TTA Stage 2 - South Bound 11kV Cable Diversion														
TTA Stage 2 - Cross Road Duct at Site Offices Entrance														
KD2_SCP_F_1060	TTA Stage 2 (S/B) - Submission & Approval for Cross Road Duct Laying at South & North Side	21	03-Sep-22 08:00 A	21-Sep-22 18:00 A		100%								
KD2_SCP_F_1150	TTA Stage 2 (S/B) - Lay Cable Duct for Cross AA Office Entrance at South Side (SCRE/009)	9	22-Sep-22 08:00 A	06-Oct-22 18:00 A		100%								
KD2_SCP_F_1152	TTA Stage 2 (S/B) - Cross Road Duct, Relocate Bus Stop, Excavate 11kV Cable Diversion at North End	7	16-Feb-23 08:00 A	17-Feb-23 18:00 A		100%								
TTA Stage 2 - UU Diversion at South Bound														
KD2_SCP_F_1050	TTA Stage 2 (S/B) - Trench Excavation, Duct Laying & Draw Pit Construction for CLP 11kV Cable Diversion	20	08-Sep-22 08:00 A	29-Apr-23 18:00 A		100%								
KD2_SCP_F_1560	TTA Stage 2 (S/B) - CLP Lay 11kV Cable & Joint Bay Excavation & Connection (By CLP)	60	02-May-23 08:00 A	25-Jul-23 18:00	-222	15%								
TTA Stage 2 - South Bound G.I. Works														
KD2_SCP_F_1070	TTA Stage 2 (S/B) - G.I. for Determination of Bored Pile Founding Level	60	28-Sep-22 08:00 A	07-Dec-22 18:00 A		100%								
KD2_SCP_F_1080	TTA Stage 2 (S/B) - Prepare G.I. Log	7	08-Dec-22 08:00 A	30-Jan-23 18:00 A		100%								
KD2_SCP_F_1090	TTA Stage 2 (S/B) - Review Bored Log & Accept the Proposed Founding Levels for Bored Piles	7	10-Feb-23 08:00 A	07-Jun-23 18:00	-137	70%								
TTA Stage 2 - South Bound Bored Piling Works														
KD2_SCP_F_1100	TTA Stage 2 (S/B) Group 1 - Construct Bored Pile S-P3 to S-P6 (4no x 16d/p = 64d)	64	26-Jul-23 08:00	10-Oct-23 18:00	-176	0%								
Sky City - Lift LT-01														
Sky City - Lift LT-01 - E&M Installation														
Sky City - Lift LT-01 - Method Statement Submission & Approval														
KD2_SCP_S_1430	Sky City - Lift LT-01 - Submit AAWP & MS for Lift	90	07-Mar-23 08:00 A	03-Aug-23 18:00	221	40%								
KD2_SCP_S_1450	Sky City - Lift LT-01 - PM review & Approval	30	04-Aug-23 08:00	07-Sep-23 18:00	221	0%								
Sky City - Lift LT-01 - Material Submission & Approval														
KD2_SCP_S_1420	Sky City - Lift LT-01 - Prepare & Submit the Material Proposal to PM	90	16-Feb-23 08:00 A	13-Apr-23 18:00 A		100%								
KD2_SCP_S_1440	Sky City - Lift LT-01 - PM Comment & Approval	30	14-Apr-23 08:00 A	29-Jun-23 18:00	100	40%								

■ Actual Work ◆ Milestone
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Preliminary Works Programme for Contract C21W18 - Airportcity Link
20230529 - Airportcity Link(2023-05-25) - CWPG-A04 for AA MU12



Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023							
							Mar	Apr	May	Jun	Jul	Aug	Sep	
KD2_SCP_S_1460	Sky City - Lift LT-01 - Place Order & Manufacture	150	30-Jun-23 08:00	28-Dec-23 18:00	100	0%								
Sky City Viaduct														
Sky City Viaduct - Foundation														
Sky City Viaduct - G.I. Works														
KD2_SCV_F_1000	G.I. for Determination of Bored Pile Founding Level (After Sky City Platform)	30	08-Sep-22 08:00 A	29-Sep-22 18:00 A		100%								
KD2_SCV_F_1010	Prepare Bored Log	7	30-Sep-22 08:00 A	03-Oct-22 18:00 A		100%								
KD2_SCV_F_1020	Review Bored Log & Accept the Proposed Founding Level for Bored Pile	7	04-Oct-22 08:00 A	25-Mar-23 18:00 A		100%								
Sky City Viaduct - Bored Piling Works														
KD2_SCV_F_1060	Sky City Viaduct - Construct Bored Pile P2-1 to P2-3 (3 nos x 16d/pile = 48d)	48	28-Mar-23 08:00 A	01-Jun-23 18:00	37	37.5%								
Sky City Viaduct - Statutory Submission for Completion														
KD2_SCV_F_1070	Sky City Viaduct - Sonic Test, Interfacing Core Test	14	02-Jun-23 08:00	17-Jun-23 18:00	67	0%								
KD2_SCV_F_1080	Sky City Viaduct - 28 days Concrete Strength of Pile	28	02-Jun-23 08:00	29-Jun-23 18:00	96	0%								
KD2_SCV_F_1090	Sky City Viaduct - Submit BA14 for Application for Completion of Bored Pile	2	19-Jun-23 08:00	20-Jun-23 18:00	67	0%								
KD2_SCV_F_1110	Sky City Viaduct - BD Select Pile No for Full Core Test	7	21-Jun-23 08:00	29-Jun-23 18:00	67	0%								
KD2_SCV_F_1120	Sky City Viaduct - Full Core Taken, Testing, Prepare Report	14	30-Jun-23 08:00	17-Jul-23 18:00	67	0%								
KD2_SCV_F_1130	Sky City Viaduct - BD Acknowledge the Full Core Test	7	18-Jul-23 08:00	24-Jul-23 18:00	80	0%								
KD2_SCV_F_1140	Sky City Viaduct - Submit 28 days Concrete Strength Result to BD	2	30-Jun-23 08:00	01-Jul-23 18:00	96	0%								
KD2_SCV_F_1150	Sky City Viaduct - BD Acknowledge for Completion of Bored Pile	28	27-Jun-23 08:00	24-Jul-23 18:00	80	0%								
Sky City Viaduct - Superstructure														
Sky City Viaduct - ELS for Pile Cap P2														
KD2_SCV_S_1000	Sky City Viaduct - Install Vertical Element for Pile Cap P2	14	08-Jun-23 08:00	24-Jun-23 18:00	32	0%								
KD2_SCV_S_1010	Sky City Viaduct - Submit BA14 with Sheet Pile (Vertical Element) Record Plan to BD	7	26-Jun-23 08:00	04-Jul-23 18:00	32	0%								
KD2_SCV_S_1020	Sky City Viaduct - BD Acknowledge for BA14 for Completion of Sheet Pile Wall (Vertical Element)	28	05-Jul-23 08:00	01-Aug-23 18:00	37	0%								
KD2_SCV_S_1030	Sky City Viaduct - Submit BA8 for Commencement for ELS Excavation	2	02-Aug-23 08:00	03-Aug-23 18:00	32	0%								
KD2_SCV_S_1050	Sky City Viaduct - BD Issue Consent for Commencement for ELS Excavation	28	04-Aug-23 08:00	31-Aug-23 18:00	38	0%								
Sky City Viaduct - Pile Cap P2														
KD2_SCV_S_1040	Sky City Viaduct - Submit BA8 for Commencement of Super-structure	1	30-Aug-23 08:00	30-Aug-23 18:00	29	0%								
HK Port - Platform														

■ Actual Work ◆ Milestone
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Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023						
							Mar	Apr	May	Jun	Jul	Aug	Sep
HKP Platform - Foundation													
HKP Platform - G.I. Works for Determination of Bored Piles Founding Level													
G.I. Subcontractor -Subletting & BD Approval													
KD2_HKPP_F_1180	Award G.I. Subcontractor	45	06-Jun-22 08:00 A	30-Aug-22 18:00 A		100%							
KD2_HKPP_F_1190	Prepare G.I. Specialist Document to BD for Approval	7	31-Aug-22 08:00 A	07-Sep-22 18:00 A		100%							
KD2_HKPP_F_1200	Submit BA10 for Commencement of G.I. Works	7	08-Sep-22 08:00 A	15-Sep-22 18:00 A		100%							
KD2_HKPP_F_1210	BD Issue Consent for G.I. Commencement	7	16-Sep-22 08:00 A	23-Sep-22 18:00 A		100%							
TTA Scheme Preparation & Implementation													
KD2_HKPP_F_1000	Forward Proposed TTA Scheme for G.I. Works to TD/RMO & cc. to all Relevant Parties	1	05-Aug-22 08:00 A	09-Aug-22 18:00 A		100%							
KD2_HKPP_F_1140	Subletting of TTA Consultant	22	06-Jun-22 08:00 A	02-Jul-22 18:00 A		100%							
KD2_HKPP_F_1150	Prepare TTA Scheme for G.I. Works	7	04-Jul-22 08:00 A	03-Aug-22 18:00 A		100%							
KD2_HKPP_F_1160	Meeting with MOM and Stakeholders for Review of TTA Scheme	1	04-Aug-22 08:00 A	04-Aug-22 18:00 A		100%							
KD2_HKPP_F_1600	TD/RMO Review & Approve the TTA Scheme	28	10-Aug-22 08:00 A	21-Sep-22 18:00 A		100%							
KD2_HKPP_F_1602	IDMC & All Relavent Parties Review & Approve the TTA Scheme	14	22-Sep-22 08:00 A	05-Oct-22 18:00 A		100%							
KD2_HKPP_F_1610	Apply Road Woorks Advice for Implementation of TTA	7	22-Sep-22 08:00 A	27-Sep-22 18:00 A		100%							
KD2_HKPP_F_1620	3 Days Advance Notice prior to Implementation of TTA	3	28-Sep-22 08:00 A	30-Sep-22 18:00 A		100%							
Stage 0 TTA for G.I. Works													
KD2_HKPP_F_1170	Implement TTA for G.I. Works for G.I. Works	1	03-Oct-22 08:00 A	03-Oct-22 18:00 A		100%							
KD2_HKPP_F_1220	G.I. for Bored Pile Group 1 - H-P6, P7, P8	30	07-Oct-22 08:00 A	07-Nov-22 18:00 A		100%							
KD2_HKPP_F_1221	G.I. for Bored Pile Group 1 - H-P10, P12, P16	30	18-Nov-22 08:00 A	16-Jan-23 18:00 A		100%							
KD2_HKPP_F_1222	G.I. for Bored Pile Group 2 - H-P11, P13, P17, P18, P19	50	16-Nov-22 08:00 A	08-Feb-23 18:00 A		100%							
KD2_HKPP_F_1290	G.I. for Bored Pile Group 3 - H-P1, P2, P3, P4, P5	50	31-Oct-22 08:00 A	13-Jan-23 18:00 A		100%							
KD2_HKPP_F_1292	G.I. for Bored Pile Group 3 - H-P14, P15	20	22-Dec-22 08:00 A	13-Apr-23 18:00 A		100%							
KD2_HKPP_F_1320	Trial Pit Prior to G.I. Works	3	05-Oct-22 08:00 A	13-Oct-22 18:00 A		100%							
KD2_HKPP_F_1420	G.I. for Bored Pile Group 4 - H-P9 (H-P9 Confirmed Delete by email on 19 Apr 23)	10	19-Apr-23 08:00 A	19-Apr-23 18:00 A		100%							
HKP Platform - Bored Piling Works													
Stage A TTA at Grid R19 & R20 - Pile H-P1~H-P5, H-P6~H-P9													
KD2_HKPP_F_1550	Prepare, Review & Approve TTA Schemes for Stage A1 ~ A2	0		28-Dec-22 08:00 A		100%							

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KD2_HKPP_F_1560	Apply RA and 3 Day Notice for Implementation of Stage A1 ~ Stage A2	10	29-Dec-22 08:00 A	11-Jan-23 18:00 A		100%								
Stage 1A - TTA - Pile H-P1~H-P5, H-P6~H-P8, H-P9														
Stage 1A-1 - TTA - Pile H-P6~H-P8														
KD2_HKPP_F_1240	Group 1 - Review Bored Log & Accept the Proposed Founding Levels for Bored Piles for H-P6, H-P7, H-P8	7	16-Feb-23 08:00 A	24-Apr-23 18:00 A		100%								
KD2_HKPP_F_1570	HKP Platform Group 1 - Construct Bored Pile H-P6	30	16-Feb-23 08:00 A	22-Apr-23 18:00 A		100%								
KD2_HKPP_F_1572	HKP Platform Group 1 - Construct Bored Pile H-P7	30	08-Mar-23 08:00 A	11-Apr-23 18:00 A		100%								
KD2_HKPP_F_1574	HKP Platform Group 1 - Construct Bored Pile H-P8	30	01-Jun-23 08:00	07-Jul-23 18:00	-70	0%								
KD2_HKPP_F_1650	Group 1 - Stage 1A-1 - Implement TTA	1	18-Feb-23 08:00 A	18-Feb-23 18:00 A		100%								
KD2_HKPP_F_1652	Group 1 - Prepare Bored Log for H-P6, H-P7, H-P8	7	01-Feb-23 08:00 A	23-Mar-23 18:00 A		100%								
Stage 1A-2 - TTA - Pile H-P1~H-P5														
KD2_HKPP_F_1110	Group 3 - Stage 1A-2 - Implement TTA for Closure of Shun Wan Road South Bound	1	01-Feb-23 08:00 A	01-Feb-23 18:00 A		100%								
KD2_HKPP_F_1410	Group 3 - FD & LV Cable Diversion for Bored Pile H-P1~H-P5	90	11-May-23 08:00 A	15-Sep-23 18:00	-130	5%								
KD2_HKPP_F_2250	Group 3 - Prepare Bored Log for H-P1~ H-P5	7	01-Feb-23 08:00 A	23-Mar-23 18:00 A		100%								
KD2_HKPP_F_2260	Group 3 - Review Bored Log & Accept the Proposed Founding Levels for Bored Piles for H-P1~ H-P5	7	24-Mar-23 08:00 A	01-Jun-23 18:00	-50	80%								
Stage 4 - TTA - Pile H-P9 (Confirmed Delete by email on 19 Apr 23)														
KD2_HKPP_F_2270	Group 4 - Prepare Bored Log for H-P9	7	19-Apr-23 08:00 A	19-Apr-23 18:00 A		100%								
KD2_HKPP_F_2280	Group 4 - Review Bored Log & Accept the Proposed Founding Levels for Bored Piles for H-P9	7	19-Apr-23 08:00 A	19-Apr-23 18:00 A		100%								
Stage B TTA from Grid R21 to R26														
Preparation Works for Stage 1B TTA														
KD2_HKPP_F_1010	Prepare TTASchemes for Stage 1B ~ Stage B4 & Agreed in 1st TMLG Meeting	13	07-Sep-22 08:00 A	27-Sep-22 18:00 A		100%								
KD2_HKPP_F_1090	TD/RMO Review & Approve the TTA Scheme (Stage 1B ~ Stage 4B)	28	28-Sep-22 08:00 A	12-Oct-22 18:00 A		100%								
KD2_HKPP_F_1100	IDMC Review & Approve the TTA Scheme (Stage 1B ~ Stage 4B)	14	13-Oct-22 08:00 A	21-Nov-22 18:00 A		100%								
KD2_HKPP_F_1280	Submit 3 days Notice for Implementation of Stage B1	3	26-Nov-22 08:00 A	29-Nov-22 18:00 A		100%								
KD2_HKPP_F_1300	Apply RA for Implementation of Stage B1	7	22-Nov-22 08:00 A	26-Nov-22 18:00 A		100%								
Stage 1B TTA - Pile H-P10, H-P12, H-P16														
KD2_HKPP_F_1124	Group 1 - Relocate 4 Carpark to North (Tree Felling must be completed before Relocation)	14	07-Nov-22 08:00 A	10-Dec-22 18:00 A		100%								
KD2_HKPP_F_1130	Group 1 - Stage 1B - Implement TTA	1	30-Nov-22 08:00 A	30-Nov-22 18:00 A		100%								
KD2_HKPP_F_1430	HKP Platform Group 1 - Construct Bored Pile H-P10	30	26-Apr-23 08:00 A	09-Jun-23 18:00	-39	50%								

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KD2_HKPP_F_1432	HKP Platform Group 1 - Construct Bored Pile H-P12	30	10-Jun-23 08:00	17-Jul-23 18:00	-39	0%							
KD2_HKPP_F_1434	HKP Platform Group 1 - Construct Bored Pile, H-P16	30	14-Apr-23 08:00 A	19-May-23 18:00 A		100%							
KD2_HKPP_F_2290	Group 1 - Prepare Bored Log for H-P10, H-P12, H-P16	7	01-Feb-23 08:00 A	24-Mar-23 18:00 A		100%							
KD2_HKPP_F_2300	Group 1 - Review Bored Log & Accept the Proposed Founding Levels for Bored Piles for H-P10, H-P12, H-P16	7	18-Apr-23 08:00 A	25-Apr-23 18:00 A		100%							
Stage 1B TTA - Pile H-P17 after Completion of Fuel Inlet Pipe Modification													
KD2_HKPP_F_1101	Group 2 - Prepare & Submit to FSD the Proposal for Fuel Inlet Pipe Modification Works	30	17-Oct-22 08:00 A	10-Nov-22 18:00 A		100%							
KD2_HKPP_F_1111	Group 2 - FSD Review & Approve the Modification of Fuel Inlet Pipe (DG Modification)	60	05-Nov-22 08:00 A	06-Mar-23 18:00 A		100%							
KD2_HKPP_F_1112	Group 2 - Approval form Highway Department	14	07-Mar-23 08:00 A	20-Mar-23 18:00 A		100%							
KD2_HKPP_F_1113	Group 2 - Approval form EMSD Department	14	07-Mar-23 08:00 A	07-Mar-23 18:00 A		100%							
KD2_HKPP_F_1114	Group 2 - Drawing to FSD and Obtaining FSD's Approval	28	09-Nov-22 08:00 A	28-Feb-23 18:00 A		100%							
KD2_HKPP_F_1115	Group 2 - Approval form IDMC	14	01-Mar-23 08:00 A	21-Mar-23 18:00 A		100%							
KD2_HKPP_F_1121	Group 2 - Fuel Inlet Pipe Modification on Site (Civil Provisional Work)	10	21-Mar-23 08:00 A	17-Apr-23 18:00 A		100%							
KD2_HKPP_F_1122	Group 2 - Installation of New Fuel Inlet Cabinet with Vent Pipe	11	18-Apr-23 08:00 A	29-Apr-23 18:00 A		100%							
KD2_HKPP_F_1123	Group 2 - Dismantle Existing Fuel Inlet Cabinet & Disconnect Existing Fuel Pipe and Vent Pipe	11	02-May-23 08:00 A	08-May-23 18:00 A		100%							
KD2_HKPP_F_1125	Group 2 - Install New Vent Pipe and Vent Pipe and Wiring Works	12	09-May-23 08:00 A	11-May-23 18:00 A		100%							
KD2_HKPP_F_1128	Group 2 - Testing & Commissioning of Modified Fuel Inlet Pipe	5	01-Jun-23 08:00	06-Jun-23 18:00	-7	0%							
KD2_HKPP_F_1132	Group 2 - FS/DG Inspection for Fuel Inlet Temporary Modification Works	22	07-Jun-23 08:00	04-Jul-23 18:00	-7	0%							
KD2_HKPP_F_1142	Group 2 - Modified Fuel Inlet Pipe in Operation, Backfill Pipe Trough and Install Trough Cover	7	05-Jul-23 08:00	12-Jul-23 18:00	-7	0%							
KD2_HKPP_F_1152	Group 2 - Construct Bored Pile H-P17 after Completion of Fuel Inlet Modification & P11,P13,P19 (1 x 30 d/pile = 30 day)	30	20-May-23 08:00 A	28-Sep-23 18:00	-48	10%							
Stage 2 TTA - Pile H-P11, H-P13, H-P18, H-P19													
KD2_HKPP_F_1450	Group 2 - Relocate of 3 nos. C&ED X-ray Waiting Bay to North	14	01-Jun-23 08:00	16-Jun-23 18:00	-48	0%							
KD2_HKPP_F_1460	Group 2 - Stage 2 - Implement TTA	1	17-Jun-23 08:00	17-Jun-23 18:00	-48	0%							
KD2_HKPP_F_1470	HKP Platform Group 2 - Construct Bored Pile H-P11(Confirmed deleted by email on 19 Apr 23)	30	19-Apr-23 08:00 A	19-Apr-23 18:00 A		100%							
KD2_HKPP_F_1472	HKP Platform Group 2 - Construct Bored Pile H-P13	30	19-Jun-23 08:00	25-Jul-23 18:00	-48	0%							
KD2_HKPP_F_1474	HKP Platform Group 2 - Construct Bored Pile H-P19	30	26-Jul-23 08:00	29-Aug-23 18:00	-48	0%							
KD2_HKPP_F_2310	Group 2 - Prepare Bored Log for H-P11, H-P13, H-P17, H-P18, H-P19	7	10-Feb-23 08:00 A	01-Jun-23 18:00	-40	80%							
KD2_HKPP_F_2320	Group 2 - Review Bored Log & Accept the Proposed Founding Levels for Bored Piles for H-P11, H-P13, H-P19	7	02-Jun-23 08:00	08-Jun-23 18:00	-49	0%							
Stage 3 TTA - Pile H-P14, H-P15													

■ Actual Work ◆ Milestone
■ Remaining Work
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10-May-23...	C21W18 - CWPG-A04	Gary Yeung	Kingsley Chiang



Preliminary Works Programme for Contract C21W18 - Airportcity Link
20230529 - Airportcity Link(2023-05-25) - CWPG-A04 for AA MU12



Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023											
							Mar	Apr	May	Jun	Jul	Aug	Sep					
KD2_HKPP_F_1390	Group 3 - Relocate of 2 nos. C&ED X-ray Waiting Bay to North	14	01-Jun-23 08:00	16-Jun-23 18:00	75	0%												
KD2_HKPP_F_2330	Group 3 - Prepare Bored Log for H-P14, H-P15	7	01-Feb-23 08:00 A	01-Jun-23 18:00	85	50%												
KD2_HKPP_F_2340	Group 3 - Review Bored Log & Accept the Proposed Founding Levels for Bored Piles for H-P14, H-P15	7	02-Jun-23 08:00	08-Jun-23 18:00	102	0%												
Reprovision of Vertical Circulation - Staircase																		
Advance Preparation - Temporary Staircase for Pedestrian Diversion																		
Realign Security Fence																		
KD2_HKPP_F_1060	Submission of Proposal for Realignment of Security Fence for Erection of Temporary Staircase	95	06-Jun-22 08:00 A	24-Aug-22 18:00 A		100%												
KD2_HKPP_F_1070	Review & Approve the Fence Realignment Proposal	28	25-Aug-22 08:00 A	10-Oct-22 18:00 A		100%												
KD2_HKPP_F_1080	Realign Security Fence	7	11-Oct-22 08:00 A	18-Oct-22 18:00 A		100%												
KD2_HKPP_F_1120	Install Water Filled Barrier / Fence prior to Demolition of Existing Staircase	4	19-Oct-22 08:00 A	22-Oct-22 18:00 A		100%												
Temporary Staircase Design, Submission & Erection																		
KD2_HKPP_F_1072	IDMC Review & Approve the Temporary Staircase Proposal	14	31-Jan-23 08:00 A	28-Feb-23 18:00 A		100%												
KD2_HKPP_F_1082	Off Site Fabrication of Temporary Staircase	60	09-Mar-23 08:00 A	06-May-23 18:00 A		100%												
KD2_HKPP_F_1084	UU Diversion prior to Footing Construction for Temporary Staircase	21	01-Mar-23 08:00 A	22-Mar-23 18:00 A		100%												
KD2_HKPP_F_1086	Cast Footing of Temporary Staircase	20	24-Mar-23 08:00 A	06-Apr-23 18:00 A		100%												
KD2_HKPP_F_1092	Commence Temporary Fabrication upon Obtaining Approval from all Parties	0		08-Mar-23 08:00 A		100%												
KD2_HKPP_F_1592	Submission of Design for Temporary Staircase with ICE certificate to HyD, GPA and FSD	110	06-Jun-22 08:00 A	30-Nov-22 18:00 A		100%												
KD2_HKPP_F_1612	Submit Method Statement to IDMC for Demolition of the Existing Staircase	110	06-Jun-22 08:00 A	30-Nov-22 18:00 A		100%												
KD2_HKPP_F_1622	IDMC Review & Approve the Method Statement for Demolition of the Existing Staircase	14	31-Jan-23 08:00 A	28-Feb-23 18:00 A		100%												
KD2_HKPP_G_5032	On site Erection of Temporary Staircase	21	08-May-23 08:00 A	05-Jun-23 18:00	-94	80%												
KD2_HKPP_G_5034	Inspection & Hand Over to Public for Use	3	06-Jun-23 08:00	08-Jun-23 18:00	-94	0%												
Reprovisional Works & Demolition Works + G.I. for H-P20a, H-P20b, H-P21a, H-P21b																		
Demolish Existing Staircase after Erection of Temporary Staircase																		
KD2_HKPP_E&M_1790	Termination of power supply for the existing staircase and lift	1	14-Jun-23 08:00	14-Jun-23 18:00	-94	0%												
KD2_HKPP_E&M_1800	Demolition of existing lift and lighting system of existing staircase	7	15-Jun-23 08:00	23-Jun-23 18:00	-94	0%												
KD2_HKPP_F_1020	Realign the Security for Demolition of Existing Staircase & Lift	4	09-Jun-23 08:00	13-Jun-23 18:00	-94	0%												
KD2_HKPP_F_1330	Demolish Lift & Staircase	49	24-Jun-23 08:00	21-Aug-23 18:00	-94	0%												
Statutory Submission & Approval prior to G.I. Works																		

■ Actual Work ◆ Milestone
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■ Critical Remaining Work

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Preliminary Works Programme for Contract C21W18 - Airportcity Link
20230529 - Airportcity Link(2023-05-25) - CWPG-A04 for AA MU12



中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGRG. (HONG KONG) LTD.

Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023							
							Mar	Apr	May	Jun	Jul	Aug	Sep	
KD2_HKPP_F_1050	H-P20a, H-P20b, H-P21a, H-P21b - AA Issue the Approval for Commencement of G.I.	7	23-Sep-22 08:00 A	26-Sep-22 18:00 A		100%								
KD2_HKPP_F_1340	H-P20a, H-P20b, H-P21a, H-P21b - Submit Work Permit to AA for Commencement of G.I. Works	7	16-Sep-22 08:00 A	22-Sep-22 18:00 A		100%								
G.I. Works for Pile H-P20a, H-P20b, H-P21a, H-P21b														
KD2_HKPP_F_1350	P20a, P20b, P21a, P21b - G.I. for Bored Pile (4 x 10d/pile by 2 rigs = 20 day)	20	22-Aug-23 08:00	13-Sep-23 18:00	-94	0%								
HKP Platform - Statutory Submission for Completion														
HKP Platform - Group 1 Completion of Bored Pile (H-P6 to H-P8, H-P10, H-P12, H-P16, H-P17)														
KD2_HKPP_F_2000	HKP Platform Pile Group 1 - Sonic Test, Interfacing Core Test	14	18-Jul-23 08:00	02-Aug-23 18:00	-39	0%								
KD2_HKPP_F_2010	HKP Platform Pile Group 1 - 28 days Concrete Strength of Pile	28	18-Jul-23 08:00	14-Aug-23 18:00	-36	0%								
KD2_HKPP_F_2020	HKP Platform Pile Group 1 - Submit BA14 for Application for Completion of Bored Pile	2	03-Aug-23 08:00	04-Aug-23 18:00	-39	0%								
KD2_HKPP_F_2030	HKP Platform Pile Group 1 - BD Acknowledge for Completion of Bored Pile	28	05-Aug-23 08:00	01-Sep-23 18:00	-47	0%								
HKP Platform - Superstructure														
HKP Platform - Superstructure Portion 1														
KD2_HKPP_S_1000	HKP Platform Structure Portion 1 - Submit BA8 for Commencement of Super-structure	1	14-Aug-23 08:00	14-Aug-23 18:00	-31	0%								
KD2_HKPP_S_1010	HKP Platform Structure Portion 1 - BD Issue the Consent for Commencement of Super-structure	28	26-Aug-23 08:00	22-Sep-23 18:00	-47	0%								
HKP Platform - External Works at Ground Level														
Realign Security Fence - New Staircase After Removal of Existing Lift & Staircase														
KD2_HKPP_F_1030	Realign Security Fence in the Same Stage for Demolition of Existing Staircase & Lift	4	09-Jun-23 08:00	13-Jun-23 18:00	-37	0%								
KD2_HKPP_F_1040	Predrilling for SR-P1~SR-P3 (by 3 rig @ 6d/pile)	6	22-Aug-23 08:00	28-Aug-23 18:00	-94	0%								
KD2_HKPP_F_1310	Confirmed Founding Level for SR-P1~SR-P3 by RGE	5	29-Aug-23 08:00	02-Sep-23 18:00	-114	0%								
Relocation of Existing Fuel Tank														
KD2_HKPP_FT_1000	FSD Submission & Approval for New Arrangement of Fuel Tank Relocation	120	13-Jul-23 08:00	02-Dec-23 18:00	107	0%								
HKP Viaduct														
HKP Viaduct Pile Group 1 & 3 - UU Diversion - Water Main Diversion														
TTA Scheme Preparation & Implementation														
KD2_HKPV_F_2180	Prepare TTA Scheme for Water Main Diversion	6	07-Dec-22 08:00 A	14-Dec-22 18:00 A		100%								
KD2_HKPV_F_2190	TD/RMO Review & Approve the TTA Scheme for Water Main Diversion	28	20-Feb-23 08:00 A	07-Mar-23 18:00 A		100%								
KD2_HKPV_F_2192	IDMC Review & Approve the TTA Scheme for Water Main Diversion	14	20-Feb-23 08:00 A	07-Mar-23 18:00 A		100%								
KD2_HKPV_F_2220	Apply RA for Implementation of TTA	7	13-Apr-23 08:00 A	24-Apr-23 18:00 A		100%								

- Actual Work
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							Mar	Apr	May	Jun	Jul	Aug	Sep			
KD2_HKPV_F_2230	3 Days Advance Notice prior to Implementation of TTA	3	21-Apr-23 08:00 A	24-Apr-23 18:00 A		100%										
Water Main Material Submission, Approval & Delivery																
KD2_HKPV_F_1390	Water Main Material submission to WSD for Approval	7	06-Jun-22 08:00 A	06-Jun-22 18:00 A		100%										
KD2_HKPV_F_1400	WSD Approve to Water Main Materials	28	07-Jun-22 08:00 A	04-Aug-22 18:00 A		100%										
KD2_HKPV_F_1410	Ordering & Delivery Water Main Materials to Site	60	05-Aug-22 08:00 A	08-Jun-23 18:00	-212	95%										
KD2_HKPV_F_1550	Commencement of Water Main Diversion	0	09-Jun-23 08:00		-212	0%										
Watermain Diversion - Stage 1																
KD2_HKPV_F_1430	Stage 1 - Implement TTA to Close Shun Wan Road Out Bound for Water Main Diversion	1	25-Apr-23 08:00 A	12-Jun-23 18:00	-212	50%										
KD2_HKPV_F_1440	Stage 1 - Excavate Trench for Water Main Diversion	7	13-Jun-23 08:00	20-Jun-23 18:00	-160	0%										
KD2_HKPV_F_1450	Stage 1 - Lay Water Main (DN300mm DI & DN200mmPE)	6	21-Jun-23 08:00	28-Jun-23 18:00	-160	0%										
KD2_HKPV_F_1460	Stage 1 - Backfill Water Main Trench & Reinstale Road Surface	3	29-Jun-23 08:00	03-Jul-23 18:00	-160	0%										
Watermain Diversion - Stage 2																
KD2_HKPV_F_1470	Stage 2 - Implement TTA for Water Main Diversion	1	04-Jul-23 08:00	04-Jul-23 18:00	-160	0%										
KD2_HKPV_F_1480	Stage 2 - Excavate Trench for Water Main Diversion	7	05-Jul-23 08:00	12-Jul-23 18:00	-160	0%										
KD2_HKPV_F_1490	Stage 2 - Lay Water Main (DN300mm DI & DN200mmPE)	6	13-Jul-23 08:00	19-Jul-23 18:00	-160	0%										
KD2_HKPV_F_1560	Stage 2 - Backfill Water Main Trench & Reinstale Road Surface	2	20-Jul-23 08:00	21-Jul-23 18:00	-160	0%										
Watermain Diversion - Connection of Water Supply																
KD2_HKPV_F_1510	Water Pressure Test	7	22-Jul-23 08:00	28-Jul-23 18:00	-199	0%										
KD2_HKPV_F_1512	Swabbing Water Main	1	29-Jul-23 08:00	29-Jul-23 18:00	-160	0%										
KD2_HKPV_F_1514	WSD Site Inspection of Water Main	1	31-Jul-23 08:00	31-Jul-23 18:00	-160	0%										
KD2_HKPV_F_1520	Disinfection of Water Main	7	01-Aug-23 08:00	07-Aug-23 18:00	-200	0%										
KD2_HKPV_F_1530	Connection of Permanent Water Supply (By WSD)	2	08-Aug-23 08:00	09-Aug-23 18:00	-160	0%										
KD2_HKPV_F_1540	Backfill Water Main Connection Point & Reinstale Road Surface	7	10-Aug-23 08:00	17-Aug-23 18:00	-160	0%										
HKP Viaduct Pile Group 1 & 3 - UU Diversion - LV, ELV, CT Cable Duct Diversion																
LV, ELV, CT Cable Cable Duct Laying - Stage 1																
KD2_HKPV_F_1160	Stage 1 - Implement TTA for LV, ELV, CT cable Duct Diversion	2	13-Jun-23 08:00	14-Jun-23 18:00	-212	0%										
KD2_HKPV_F_1170	Stage 1 - LV, ELV, CTCable DuctLaying (6no x DN100mm)	5	15-Jun-23 08:00	20-Jun-23 18:00	-212	0%										
KD2_HKPV_F_1180	Stage 1 - LV, ELV, CT Construct Draw Pit(2 nos.)	6	21-Jun-23 08:00	28-Jun-23 18:00	-212	0%										

- Actual Work
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Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023								
							Mar	Apr	May	Jun	Jul	Aug	Sep		
KD2_HKPV_F_1190	Stage 1 - Backfill Cable Duct Trench & Reinstate Road Surface	3	29-Jun-23 08:00	03-Jul-23 18:00	-212	0%									
LV, ELV, CT Cable Cable Duct Laying - Stage 2															
KD2_HKPV_F_1200	Stage 2 - Implement TTA for LV, ELV, CT cable Duct Diversion	2	04-Jul-23 08:00	05-Jul-23 18:00	-212	0%									
KD2_HKPV_F_1210	Stage 2 - LV, ELV, CT Cable Duct Laying (6no x DN100mm)	5	06-Jul-23 08:00	11-Jul-23 18:00	-212	0%									
KD2_HKPV_F_1220	Stage 2 - Backfill Cable Duct Trench & Reinstate Road Surface	3	12-Jul-23 08:00	14-Jul-23 18:00	-212	0%									
LV, ELV, CT Cable Cable Duct Laying - Stage 3															
KD2_HKPV_F_1230	Stage 3 - Implement TTA for LV, ELV, CT cable Duct Diversion	2	15-Jul-23 08:00	17-Jul-23 18:00	-212	0%									
KD2_HKPV_F_1240	Stage 3 - LV, ELV, CT Duct Laying (6no x DN100mm)	5	18-Jul-23 08:00	22-Jul-23 18:00	-212	0%									
KD2_HKPV_F_1250	Stage 3 - LV, ELV, CT Construct Draw Pit (1 nos.)	4	24-Jul-23 08:00	27-Jul-23 18:00	-212	0%									
KD2_HKPV_F_1260	Stage 3 - Backfill Cable Duct Trench & Reinstate Road Surface	3	28-Jul-23 08:00	31-Jul-23 18:00	-212	0%									
LV, ELV, CT Cable Cable Duct Laying - Stage 4															
KD2_HKPV_F_1270	Stage 4 - Implement TTA for LV, ELV, CT cable Duct Diversion	2	01-Aug-23 08:00	02-Aug-23 18:00	-212	0%									
KD2_HKPV_F_1280	Stage 4 - LV, ELV, CT Cable Duct Laying (6no x DN100mm)	4	03-Aug-23 08:00	07-Aug-23 18:00	-212	0%									
KD2_HKPV_F_1290	Stage 4 - Backfill Cable Duct Trench & Reinstate Road Surface	3	08-Aug-23 08:00	10-Aug-23 18:00	-212	0%									
LV, ELV, CT Cable Cable Duct Laying - Stage 5															
KD2_HKPV_F_1300	Stage 5 - Implement TTA for LV, ELV, CT cable Duct Diversion	1	11-Aug-23 08:00	11-Aug-23 18:00	-212	0%									
KD2_HKPV_F_1310	Stage 5 - ELV Cable Duct Laying (6no x DN100mm)+LV Cable Duct(2no x DN100mm +CT Duct	6	12-Aug-23 08:00	18-Aug-23 18:00	-212	0%									
KD2_HKPV_F_1320	Stage 5 - ELV Construct Draw Pit (2 nos.)	6	19-Aug-23 08:00	25-Aug-23 18:00	-212	0%									
KD2_HKPV_F_1330	Stage 5 - Backfill Cable Duct Trench & Reinstate Road Surface	3	26-Aug-23 08:00	29-Aug-23 18:00	-212	0%									
LV, ELV, CT Cable Cable Duct Laying - Stage 6															
KD2_HKPV_F_1340	Stage 6 - Implement TTA for LV, ELV, CT cable Duct Diversion	1	30-Aug-23 08:00	30-Aug-23 18:00	-212	0%									
HKP Viaduct - Foundation															
HKP Viaduct - Bored Pile Group 1 & 3 - P11 to P15															
HKP Viaduct Pile Group 1 & 3 - G.I. Works for Determination of Bored Piles Founding Level															
G.I. Subcontractor -Subletting & BD Approval															
KD2_HKPV_F_1090	Award G.I. Subcontractor(Same Sub-Contractor for HKP Platform)	0		30-Aug-22 08:00 A		100%									
KD2_HKPV_F_1100	Prepare G.I. Specialist Document to BD for Approval	7	31-Aug-22 08:00 A	07-Sep-22 18:00 A		100%									
KD2_HKPV_F_1110	Submit BA10 for Commencement of G.I. Works	7	08-Sep-22 08:00 A	16-Sep-22 18:00 A		100%									

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							Mar	Apr	May	Jun	Jul	Aug	Sep
KD2_HKPV_F_1120	BD Issue Consent for G.I. Commencement	7	17-Sep-22 08:00 A	24-Sep-22 18:00 A		100%							
TTA Scheme Preparation & Implementation													
KD2_HKPV_F_1040	Subletting of TTA Consultant (Same Consultant for HKP Platform)	25	06-Jun-22 08:00 A	02-Jul-22 18:00 A		100%							
KD2_HKPV_F_1050	Prepare TTA Scheme for G.I. Works	13	04-Jul-22 08:00 A	03-Aug-22 18:00 A		100%							
KD2_HKPV_F_1060	Meeting with MOM and Stakeholders for Review of TTA Scheme	1	04-Aug-22 08:00 A	04-Aug-22 18:00 A		100%							
KD2_HKPV_F_1070	Forward Proposed TTA Scheme for G.I. Works to TD/RMO in 1st TMLG Meeting	7	05-Aug-22 08:00 A	27-Sep-22 18:00 A		100%							
KD2_HKPV_F_1700	Revised TTA Scheme as per TD/RMO Comment to TD/RMO	7	28-Sep-22 08:00 A	26-Oct-22 18:00 A		100%							
KD2_HKPV_F_1702	TD/RMO Review & Approve the TTA Scheme for G.I. Works	28	27-Oct-22 08:00 A	10-Nov-22 18:00 A		100%							
KD2_HKPV_F_1704	IDMC Review & Approve the TTA Scheme for G.I. Works	14	11-Nov-22 08:00 A	25-Nov-22 18:00 A		100%							
KD2_HKPV_F_1710	Apply RA for Implementation of TTA	7	11-Nov-22 08:00 A	26-Nov-22 18:00 A		100%							
KD2_HKPV_F_1712	3 Days Advance Notice prior to Implementation of TTA	3	28-Nov-22 08:00 A	30-Nov-22 18:00 A		100%							
Stage 0 TTA for G.I. Works													
KD2_HKPV_F_1080	Implement TTA for G.I. Works for G.I. Works	1	30-Nov-22 08:00 A	30-Nov-22 18:00 A		100%							
KD2_HKPV_F_1130	G.I. for Bored Pile for Group 1 (13 nos. from P12 to P15 by 3 Rig)	50	01-Dec-22 08:00 A	02-Jun-23 18:00	-110	92.3%	[Gantt bar: 01-Dec-22 to 02-Jun-23]						
KD2_HKPV_F_1500	G.I. for Bored Pile for Group 3 (4 nos. for P11 by 1 Rig)	40	09-Feb-23 08:00 A	05-Jun-23 18:00	-112	76%	[Gantt bar: 09-Feb-23 to 05-Jun-23]						
Determination of Bored Piles Founding Level													
KD2_HKPV_F_1140	Group 1 - Prepare Bore Log	7	03-Jun-23 08:00	10-Jun-23 18:00	-110	0%							
KD2_HKPV_F_1150	Group 1 - Review Bore Log & Accept the Proposed Founding Levels for Bored Piles	7	11-Jun-23 08:00	17-Jun-23 18:00	-135	0%							
KD2_HKPV_F_2240	Group 3 - Review Bore Log & Accept the Proposed Founding Levels for Bored Piles	7	14-Jun-23 08:00	20-Jun-23 18:00	-138	0%							
KD2_HKPV_F_2250	Group 3 - Prepare Bore Log	7	06-Jun-23 08:00	13-Jun-23 18:00	-112	0%							
HKP Viaduct - Bored Pile Group 2 - P9, P10													
HKP Viaduct Pile Group 2 - G.I. Works for Determination of Bored Piles Founding Level													
KD2_HKPV_F_1000	HKP Viaduct (P9, P10) - G.I. for Bored Pile (6 nos. for P9, P10 by 3 Rigs)	12	09-Mar-23 08:00 A	13-Apr-23 18:00 A		100%	[Gantt bar: 09-Mar-23 to 13-Apr-23]						
KD2_HKPV_F_1010	HKP Viaduct (P9, P10) - Prepare Bore Log & Submit to BD	3	14-Apr-23 08:00 A	01-Jun-23 18:00	-56	60%	[Gantt bar: 14-Apr-23 to 01-Jun-23]						
KD2_HKPV_F_1020	HKP Viaduct (P9, P10) - Review Bore Log & Accept the Proposed Founding Levels for Bored Piles	7	02-Jun-23 08:00	08-Jun-23 18:00	-72	0%							
HKP Viaduct Pile Group 2 - Bored Pile Construction - Pile P9 to P10													
KD2_HKPV_F_1680	HKP Viaduct P9-1 - Construct Bored Pile	30	09-Jun-23 08:00	15-Jul-23 18:00	-7	0%							
KD2_HKPV_F_1690	HKP Viaduct P9-2 - Construct Bored Pile	30	17-Jul-23 08:00	19-Aug-23 18:00	-7	0%							

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Preliminary Works Programme for Contract C21W18 - Airportcity Link
20230529 - Airportcity Link(2023-05-25) - CWPG-A04 for AA MU12



Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023								
							Mar	Apr	May	Jun	Jul	Aug	Sep		
KD2_HKPV_F_1720	HKP Viaduct P9-3 - Construct Bored Pile	30	21-Aug-23 08:00	23-Sep-23 18:00	-7	0%									
KD2_HKPV_F_1730	HKP Viaduct P10-1 - Construct Bored Pile	30	09-Jun-23 08:00	15-Jul-23 18:00	-56	0%									
KD2_HKPV_F_1740	HKP Viaduct P10-2 - Construct Bored Pile	30	17-Jul-23 08:00	19-Aug-23 18:00	-56	0%									
KD2_HKPV_F_1750	HKP Viaduct P10-3 - Construct Bored Pile	30	21-Aug-23 08:00	23-Sep-23 18:00	-56	0%									
Marine Viaduct															
Marine Viaduct - Interfacing Works															
KD2_MV_1000	Interfacing Contractor Start Marine Viaduct Deck construction (Assume 01 Apr 2023)	247	29-Dec-22 08:00 A	27-Mar-24 18:00	-59	0%									
KD2_MV_1020	Provide Box-out Details of Bearing & MJ for Interfacing Contractor provide at Marine Viaduct	60	03-Dec-22 08:00 A	02-May-24 18:00	-25	0%									
At Grade Works															
At-Grade Plant Room															
Diversion for Existing UU															
Realign Security Fence															
KD2_AGP_1020	Propose Realign Partial Security Fence for Construction of UU Diversion & Plant Room Construction	60	06-Jun-22 08:00 A	24-Aug-22 18:00 A		100%									
KD2_AGP_1030	Review and Approval for Security Fence Realignment Proposal	28	25-Aug-22 08:00 A	10-Oct-22 18:00 A		100%									
KD2_AGP_1050	Install Temporary Security Fence	14	11-Oct-22 08:00 A	04-Nov-22 18:00 A		100%									
KD2_AGP_1950	Remove Existing Security Fence	7	16-Jan-23 08:00 A	27-Jan-23 18:00 A		100%									
FD, CT, FN Cable Ducts and LV Duct for Existing Bridge Pier															
FD, CT, FN, LV Cable Ducts Diversion - Preparation Works															
KD2_AGP_1160	Construct Draw Pits and Cable Ducts for FD, CT, FN, LV Cable	21	26-Jul-23 08:00	18-Aug-23 18:00	-11	0%									
KD2_AGP_1940	Coordination with Telecom & Relevant Parties for Diversion of FD, CT, FN, LV Cables	120	06-Jun-22 08:00 A	25-Jul-23 18:00	-11	25%									
FD, CT, FN, LV Cable Ducts Diversion - Construction Works															
KD2_AGP_1170	Divert FD, CT, FN, LV Cable to New Constructed Draw Pits and Ducts	21	19-Aug-23 08:00	12-Sep-23 18:00	-11	0%									
DN 1500mm to DN1650mm Storm Drain															
Storm Diversion - Preparation Works															
Storm Diversion - ELS Design															
KD2_AGP_1200	Submit ELS Design with ICE Certificate to AA for Approval	60	06-Jun-22 08:00 A	20-Oct-22 18:00 A		100%									
KD2_AGP_1210	AA/Arup Review and Submit ELS Design for Storm Drain Diversion to BD	28	21-Oct-22 08:00 A	23-May-23 18:00 A		100%									
KD2_AGP_1322	BD Approve the ELS Design (60 calendar days)	60	24-May-23 08:00 A	23-Jul-23 18:00	-254	0%									

█ Actual Work ◆ Milestone
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Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023							
							Mar	Apr	May	Jun	Jul	Aug	Sep	
KD2_AGP_1332	Submit BA8 for ELS Works including Sheet Pile and Excavation	5	24-Jul-23 08:00	28-Jul-23 18:00	-203	0%								
KD2_AGP_1342	BD Issue Consent for ELS Works	28	29-Jul-23 08:00	25-Aug-23 18:00	-253	0%								
KD2_AGP_1352	Submit BA10 for Commencement of Sheet Piling Works	7	26-Aug-23 08:00	01-Sep-23 18:00	-253	0%								
Storm Diversion - Material Submission and Approval														
KD2_AGP_1220	Material Submission for Drainage Pipe and Manhole Cover	110	06-Jun-22 08:00 A	10-Oct-22 18:00 A		100%								
KD2_AGP_1230	Review and Approval for Drainage Pipe and Manhole Cover Material	14	11-Oct-22 08:00 A	09-Nov-22 18:00 A		100%								
KD2_AGP_1240	Delivery of Drainage Pipe and Manhole Cover	14	10-Nov-22 08:00 A	02-Jun-23 18:00	-30	2.5%								
Storm Diversion - TTA Submission and Approval														
K2_AGP_1960	Submit 3 days Notice to Police	3	09-Jun-23 08:00	11-Jun-23 18:00	-172	0%								
KD2_AGP_1250	Submit TTA Scheme for Closing of Shun Wan Road South Bound for Construction of New Storm Drainage System	51	06-Jun-22 08:00 A	22-Dec-22 18:00 A		100%								
KD2_AGP_1260	TD/RMO Review and Approval for TTA Scheme for Construction of New Storm Drainage System	28	20-Feb-23 08:00 A	07-Mar-23 18:00 A		100%								
KD2_AGP_1270	IDMC Review and Approval for TTA Scheme for Construction of New Storm Drainage System	14	08-Mar-23 08:00 A	22-Mar-23 18:00 A		100%								
KD2_AGP_1290	Apply Road Works Advice for Implementation of TTA for Storm Drain Diversion	7	01-Jun-23 08:00	08-Jun-23 18:00	-136	0%								
KD2_AGP_1970	Implement TTA to Close Shun Wan Road South Bound for Diversion of Storm Drain	1	12-Jun-23 08:00	12-Jun-23 18:00	-135	0%								
CLP LV Cables														
CLP LV Cable Diversion - Preparation Works														
CLP LV Cable Diversion - Coordination with CLP														
KD2_AGP_1040	Confirm, Agree & Place Order to CLP for LV Cable Diversion for Construction of At Grade Plant Room	158	06-Jun-22 08:00 A	07-Nov-22 18:00 A		100%								
CLP LV Cable Diversion - Ducting and Pillar Box (2 nos.)														
KD2_AGP_1070	Material Submission for Cable Duct & Pillar Box	24	01-Jun-23 08:00	29-Jun-23 18:00	250	0%								
KD2_AGP_1080	Review and Approval for Material for Cable & Pillar Box	14	30-Jun-23 08:00	17-Jul-23 18:00	250	0%								
CLP LV Cable Diversion - Ducting Works														
KD2_AGP_1090	Delivery of Cable Ducts	9	18-Jul-23 08:00	27-Jul-23 18:00	262	0%								
CLP LV Cable Diversion - Pillar Box (2 nos.)														
KD2_AGP_1110	Delivery of Pillar Box and Associated Accessories	60	18-Jul-23 08:00	25-Sep-23 18:00	250	0%								
DN300mm Existing Sewer														
Sewage Diversion - Preparation Works														
KD2_AGP_1450	Submission of Sewer Diversion Scheme	140	01-Jun-23 08:00	16-Nov-23 18:00	11	0%								

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							Mar	Apr	May	Jun	Jul	Aug	Sep
Structure, ABWF and E&M Works for At-Grade Plant Room													
At-Grade Plant Room - Structure Works													
At-Grade Plant Room Structure - Statutory Submission, Approval & Procedure													
KD2_AGP_1492	Propose to DSD Commence Plant Room without Completion of DN1650mm Storm Drain diversion	180	01-Jun-23 08:00	05-Jan-24 18:00	-163	0%							
Airport System													
Airport and Specialist Systems — Design and Submission —													
AA's Works Permit (AAWP) & Method Statement (MS)													
AAWP & MS for Access Control System (ACS)													
KD2_AS_1000	AAWP & MS for ACS - Prepare and submit document	60	10-Jan-23 08:00 A	24-Jun-23 18:00	425	50%							
KD2_AS_1010	AAWP & MS for ACS - PM review and approval	21	25-Jun-23 08:00	15-Jul-23 18:00	425	0%							
AAWP & MS for Closed Circuit Television (CCTV) System													
KD2_AS_1020	AAWP & MS for CCTV System - Prepare and submit document	60	06-Jan-23 08:00 A	24-Jun-23 18:00	425	50%							
KD2_AS_1030	AAWP & MS for CCTV System - PM review and approval	21	25-Jun-23 08:00	15-Jul-23 18:00	425	0%							
AAWP & MS for Trunked Mobile Radio (TMR) System													
KD2_AS_1040	AAWP & MS for TMR System - Prepare and submit document	60	06-Jan-23 08:00 A	24-Jun-23 18:00	425	50%							
KD2_AS_1050	AAWP & MS for TMR System - PM review and approval	21	25-Jun-23 08:00	15-Jul-23 18:00	425	0%							
AAWP & MS for Automated Branch Exchange (APABX) System													
KD2_AS_1060	AAWP & MS for APABX System - Prepare and submit document	60	06-Jan-23 08:00 A	24-Jun-23 18:00	425	50%							
KD2_AS_1070	AAWP & MS for APABX System - PM review and approval	21	25-Jun-23 08:00	15-Jul-23 18:00	425	0%							
AAWP & MS for AA Wireless Network (WNET)													
KD2_AS_1080	AAWP & MS for WNET - Prepare and submit document	60	06-Jan-23 08:00 A	24-Jun-23 18:00	425	50%							
KD2_AS_1090	AAWP & MS for WNET - PM review and approval	21	25-Jun-23 08:00	15-Jul-23 18:00	425	0%							
AAWP & MS for Airport Network (AANET)													
KD2_AS_1100	AAWP & MS for AANET - Prepare and submit document	60	06-Jan-23 08:00 A	24-Jun-23 18:00	425	50%							
KD2_AS_1110	AAWP & MS for AANET - PM review and approval	21	25-Jun-23 08:00	15-Jul-23 18:00	425	0%							
AAWP & MS for Voice and Data Cabling (VDC) System													
KD2_AS_1120	VDC System - Submit equipment sample and accompanying manufacturers design document	14	01-Jun-23 08:00	14-Jun-23 18:00	411	0%							
KD2_AS_1130	AAWP & MS for VDC System - Prepare and submit document	60	04-Nov-22 08:00 A	08-Jul-23 18:00	411	62.5%							

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Activity ID	Activity Name	OD	Start	Finish	Total Float	Physical % Complete	2023						
							Mar	Apr	May	Jun	Jul	Aug	Sep
KD2_AS_1140	AAWP & MS for VDC System - PM review and approval	21	09-Jul-23 08:00	29-Jul-23 18:00	411	0%							
AAWP & MS for Dynamic Signage Display System (DSDS)													
KD2_AS_1150	AAWP & MS for DSDS - Prepare and submit document	60	01-Jun-23 08:00	30-Jul-23 18:00	389	0%							
KD2_AS_1160	AAWP & MS for DSDS - PM review and approval	21	31-Jul-23 08:00	20-Aug-23 18:00	389	0%							
AAWP & MS for Public Address System (PAS)													
KD2_AS_1170	AAWP & MS for PAS - Prepare and submit document	60	14-Nov-22 08:00 A	01-Jul-23 18:00	418	50%							
KD2_AS_1180	AAWP & MS for PAS - PM review and approval	21	02-Jul-23 08:00	22-Jul-23 18:00	418	0%							
AAWP & MS for Building Management System (BMS)													
KD2_AS_1190	AAWP & MS for BMS - Prepare and submit document	60	02-Mar-23 08:00 A	09-Jul-23 18:00	410	50%							
KD2_AS_1200	AAWP & MS for BMS - PM review and approval	21	10-Jul-23 08:00	30-Jul-23 18:00	410	0%							
Airport and Specialist Systems — Procurement —													
Subcontracting													
Procurement of Access Control System (ACS)													
KD2_AS_2000	Access Control System (ACS) - prepare sub-contract document	28	11-Aug-22 08:00 A	07-Sep-22 18:00 A		100%							
KD2_AS_2010	Access Control System (ACS) - invite sub-contract tender and return quotation	28	08-Sep-22 08:00 A	05-Oct-22 18:00 A		100%							
KD2_AS_2020	Access Control System (ACS) - Quotation assessment	28	06-Oct-22 08:00 A	02-Nov-22 18:00 A		100%							
KD2_AS_2030	Access Control System (ACS) - Confirm sub-contract	14	03-Nov-22 08:00 A	17-Nov-22 18:00 A		100%							
KD2_AS_2040	Access Control System (ACS) - Award sub-contract	7	18-Nov-22 08:00 A	25-Nov-22 18:00 A		100%							
Procurement of Closed Circuit Television (CCTV) System													
KD2_AS_2050	Closed Circuit Television (CCTV) System - prepare sub-contract document	28	11-Aug-22 08:00 A	07-Sep-22 18:00 A		100%							
KD2_AS_2060	Closed Circuit Television (CCTV) System - invite sub-contract tender and return quotation	28	08-Sep-22 08:00 A	05-Oct-22 18:00 A		100%							
KD2_AS_2070	Closed Circuit Television (CCTV) System - Quotation assessment	28	06-Oct-22 08:00 A	02-Nov-22 18:00 A		100%							
KD2_AS_2080	Closed Circuit Television (CCTV) System - Confirm sub-contract	14	03-Nov-22 08:00 A	17-Nov-22 18:00 A		100%							
KD2_AS_2090	Closed Circuit Television (CCTV) System - Award sub-contract	7	18-Nov-22 08:00 A	25-Nov-22 18:00 A		100%							
Procurement of Trunked Mobile Radio (TMR) System													
KD2_AS_2100	Trunked Mobile Radio (TMR) System - prepare sub-contract document	28	11-Aug-22 08:00 A	07-Sep-22 18:00 A		100%							
KD2_AS_2110	Trunked Mobile Radio (TMR) System - invite sub-contract tender and return quotation	28	08-Sep-22 08:00 A	05-Oct-22 18:00 A		100%							
KD2_AS_2120	Trunked Mobile Radio (TMR) System - Quotation assessment	28	06-Oct-22 08:00 A	02-Nov-22 18:00 A		100%							

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							Mar	Apr	May	Jun	Jul	Aug
KD2_AS_2130	Trunked Mobile Radio (TMR) System - Confirm sub-contract	14	03-Nov-22 08:00 A	17-Nov-22 18:00 A		100%						
KD2_AS_2140	Trunked Mobile Radio (TMR) System - Award sub-contract	7	18-Nov-22 08:00 A	25-Nov-22 18:00 A		100%						
Procurement of Automated Branch Exchange (APABX) System												
KD2_AS_2150	Automated Branch Exchange (APABX) System - prepare sub-contract document	28	11-Aug-22 08:00 A	07-Sep-22 18:00 A		100%						
KD2_AS_2160	Automated Branch Exchange (APABX) System - invite sub-contract tender and return quotation	28	08-Sep-22 08:00 A	05-Oct-22 18:00 A		100%						
KD2_AS_2170	Automated Branch Exchange (APABX) System - Quotation assessment	28	06-Oct-22 08:00 A	02-Nov-22 18:00 A		100%						
KD2_AS_2180	Automated Branch Exchange (APABX) System - Confirm sub-contract	14	03-Nov-22 08:00 A	17-Nov-22 18:00 A		100%						
KD2_AS_2190	Automated Branch Exchange (APABX) System - Award sub-contract	7	18-Nov-22 08:00 A	25-Nov-22 18:00 A		100%						
Procurement of AA Wireless Network (WNET)												
KD2_AS_2200	AA Wireless Network (WNET) - prepare sub-contract document	28	11-Aug-22 08:00 A	07-Sep-22 18:00 A		100%						
KD2_AS_2210	AA Wireless Network (WNET) - invite sub-contract tender and return quotation	28	08-Sep-22 08:00 A	05-Oct-22 18:00 A		100%						
KD2_AS_2220	AA Wireless Network (WNET) - Quotation assessment	28	06-Oct-22 08:00 A	02-Nov-22 18:00 A		100%						
KD2_AS_2230	AA Wireless Network (WNET) - Confirm sub-contract	14	03-Nov-22 08:00 A	17-Nov-22 18:00 A		100%						
KD2_AS_2240	AA Wireless Network (WNET) - Award sub-contract	7	18-Nov-22 08:00 A	25-Nov-22 18:00 A		100%						
Procurement of for Airport Network (AANET)												
KD2_AS_2250	Airport Network (AANET) - prepare sub-contract document	28	11-Aug-22 08:00 A	07-Sep-22 18:00 A		100%						
KD2_AS_2260	Airport Network (AANET) - invite sub-contract tender and return quotation	28	08-Sep-22 08:00 A	05-Oct-22 18:00 A		100%						
KD2_AS_2270	Airport Network (AANET) - Quotation assessment	28	06-Oct-22 08:00 A	02-Nov-22 18:00 A		100%						
KD2_AS_2280	Airport Network (AANET) - Confirm sub-contract	14	03-Nov-22 08:00 A	17-Nov-22 18:00 A		100%						
KD2_AS_2290	Airport Network (AANET) - Award sub-contract	7	18-Nov-22 08:00 A	25-Nov-22 18:00 A		100%						
Procurement of Voice and Data Cabling (VDC) System												
KD2_AS_2300	Voice and Data Cabling (VDC) System - prepare sub-contract document	28	11-Aug-22 08:00 A	07-Sep-22 18:00 A		100%						
KD2_AS_2310	Voice and Data Cabling (VDC) System - invite sub-contract tender and return quotation	28	08-Sep-22 08:00 A	05-Oct-22 18:00 A		100%						
KD2_AS_2320	Voice and Data Cabling (VDC) System - Quotation assessment	28	06-Oct-22 08:00 A	02-Nov-22 18:00 A		100%						
KD2_AS_2330	Voice and Data Cabling (VDC) System - Confirm sub-contract	14	03-Nov-22 08:00 A	17-Nov-22 18:00 A		100%						
KD2_AS_2340	Voice and Data Cabling (VDC) System - Award sub-contract	7	18-Nov-22 08:00 A	25-Nov-22 18:00 A		100%						
Procurement of Dynamic Signage Display System (DSDS)												
KD2_AS_2350	Dynamic Signage Display System (DSDS) - prepare sub-contract document	28	12-Oct-22 08:00 A	09-Nov-22 18:00 A		100%						

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							Mar	Apr	May	Jun	Jul	Aug
KD2_AS_2360	Dynamic Signage Display System (DSDS) - invite sub-contract tender and return quotation	28	10-Nov-22 08:00 A	07-Dec-22 18:00 A		100%						
KD2_AS_2370	Dynamic Signage Display System (DSDS) - Quotation assessment	28	08-Dec-22 08:00 A	05-Jan-23 18:00 A		100%						
KD2_AS_2380	Dynamic Signage Display System (DSDS) - Confirm sub-contract	14	27-Feb-23 08:00 A	14-Mar-23 18:00 A		100%	■					
KD2_AS_2390	Dynamic Signage Display System (DSDS) - Award sub-contract	7	15-Mar-23 08:00 A	23-Mar-23 18:00 A		100%	■					
Procurement of Public Address System (PAS)												
KD2_AS_2400	Public Address System (PAS) - prepare sub-contract document	28	11-Aug-22 08:00 A	07-Sep-22 18:00 A		100%						
KD2_AS_2410	Public Address System (PAS) - invite sub-contract tender and return quotation	28	08-Sep-22 08:00 A	05-Oct-22 18:00 A		100%						
KD2_AS_2420	Public Address System (PAS) - Quotation assessment	28	06-Oct-22 08:00 A	02-Nov-22 18:00 A		100%						
KD2_AS_2430	Public Address System (PAS) - Confirm sub-contract	14	03-Nov-22 08:00 A	17-Nov-22 18:00 A		100%						
KD2_AS_2440	Public Address System (PAS) - Award sub-contract	7	18-Nov-22 08:00 A	25-Nov-22 18:00 A		100%						
Procurement of Building Management System (BMS)												
KD2_AS_2450	Building Management System (BMS) - prepare sub-contract document	28	11-Aug-22 08:00 A	07-Sep-22 18:00 A		100%						
KD2_AS_2460	Building Management System (BMS) - invite sub-contract tender and return quotation	28	08-Sep-22 08:00 A	05-Oct-22 18:00 A		100%						
KD2_AS_2470	Building Management System (BMS) - Quotation assessment	28	06-Oct-22 08:00 A	02-Nov-22 18:00 A		100%						
KD2_AS_2480	Building Management System (BMS) - Confirm sub-contract	14	03-Nov-22 08:00 A	17-Nov-22 18:00 A		100%						
KD2_AS_2490	Building Management System (BMS) - Award sub-contract	7	18-Nov-22 08:00 A	25-Nov-22 18:00 A		100%						
Major Long Lead Materials												
Dynamic Signage Display Frame												
KD2_AS_2500	Dynamic Signage Display Frame - Preparation & Submission of Document to PM	60	01-Jun-23 08:00	30-Jul-23 18:00	254	0%				■	■	■
KD2_AS_2510	Dynamic Signage Display Frame - PM Comment & Approval	30	31-Jul-23 08:00	29-Aug-23 18:00	254	0%					■	■
KD2_AS_2520	Dynamic Signage Display Frame - Place Order & Manufacture	90	30-Aug-23 08:00	15-Dec-23 18:00	204	0%						■
KD3 - Statutory Submission & Approval for Completion of Testing & Commissioning												
Fire Main Testing & Connection												
KD3_K_0010	Received WWO542 for WSD Approval for Fire Main Design	0	01-Jun-23 08:00*		-360	0%				◆		
KD3_K_0020	Submit WWO46 Part 1 & Part 2 for WSD Approval	21	01-Jun-23 08:00	26-Jun-23 18:00	270	0%				■		
KD3_K_0040	WSD Issue WWO46 Part 3 to Licensed Plumber for Commencement of Fire Main Works for Platforms & viaducts	14	27-Jun-23 08:00	13-Jul-23 18:00	270	0%				■		

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
Date	Revision	Checked	Approved
10-May-23...	C21W18 - CWPG-A04	Gary Yeung	Kingsley Chiang

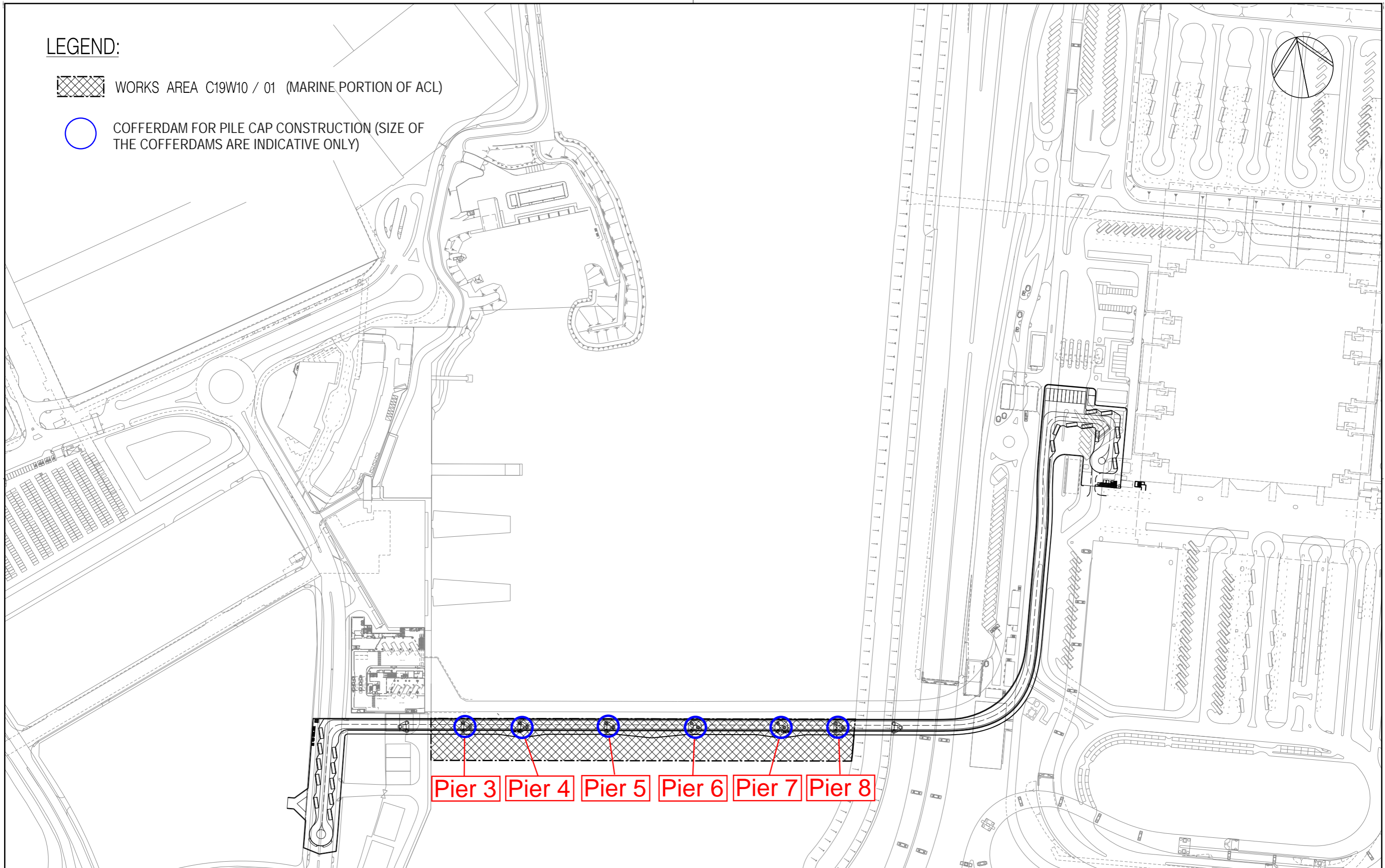
Appendix C. Construction Works Area

Marine Section

LEGEND:

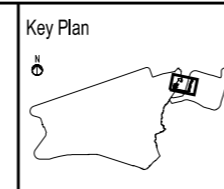
 WORKS AREA C19W10 / 01 (MARINE PORTION OF ACL)

 COFFERDAM FOR PILE CAP CONSTRUCTION (SIZE OF THE COFFERDAMS ARE INDICATIVE ONLY)



Rev.	Date	Description	Checked
A	07OCT2021	ISSUE FOR TENDER	HARRY CHAU

Airport Authority
 HKIA Tower, 1 Sky Plaza Road,
 Hong Kong International Airport,
 Lantau, Hong Kong.
 Tel : (852) 2188 7111
 Fax : (852) 2824 0717



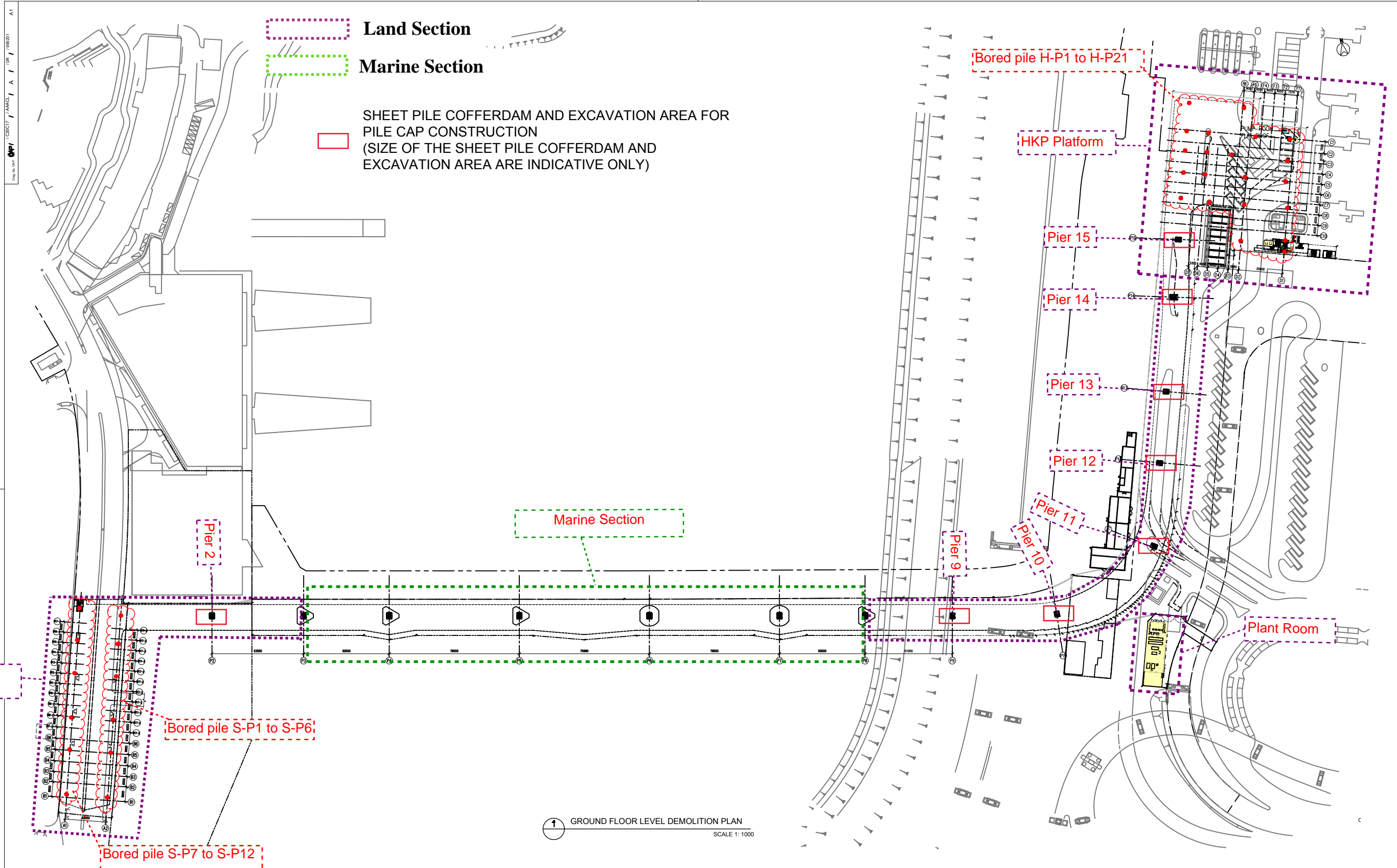
Title SUPPLEMENTAL AGREEMENT C19W10/01
 AIRPORTCITY LINK - MARINE PORTION

WORKS AREA PLAN

Signatures for Approval	Date
Design Supervisor : HARRY CHAU	31JUL2021
Checkers : HARRY CHAU	31JUL2021
Authorised Representative :	31JUL2021

Hong Kong International Airport	
Drawing No.	CWD/C19W10-01 / AAACL / C / DR / 0100000
Scale	1:3000 (A3)
Rev.	A

Land Section



Notes:

1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Project Manager of any variations from dimensions before construction.

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File Name: U:\STUDIO_KIPROJ_DATA\2020\20080\DRAWING\TENDERMAIN CONTRACT\LOT990201 -WP GF PLAN

Rev.	Date	Description	Checked
A	15-DEC-2021	ISSUE FOR TENDER	KW

Consultant's Signatures for Approval			
Drawn	Date	Design	Date
LKW	DEC 2021	MAL	DEC 2021
Checkers	U662021	Plot Date	
KW			DEC 2021
Design Supervisor		Date	
KW		DEC 2021	
Authorised Representative		Date	
KW		DEC 2021	

ARUP

HONG KONG INTERNATIONAL AIRPORT

Key Plan

Hong Kong International Airport

WORKS AREA PLAN

Originator	Design Ref	Location	Discipline	Type	Number	Status	Rev.
OAP	C20C17	AAACL	A	DR	990201	Tender	A1

Plot Date: December 11, 2021

Appendix D. Environmental Site Inspection and Monitoring Schedule

ACL Environmental Monitoring and Site Inspection Schedule for May 2023

May-23

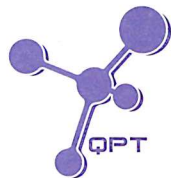
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2 ACL (Marine) Environmental Site Inspection Water Quality Monitoring mid- ebb: 11:26 mid- flood: 5:21	3 ACL (Land) Environmental Site Inspection	4 Water Quality Monitoring mid- ebb: 12:20 mid- flood: 6:03	5	6 Water Quality Monitoring mid- ebb: 13:24 mid- flood: 6:51
7	8 ACL (Land) Environmental Site Inspection	9 ACL (Marine) Environmental Site Inspection Water Quality Monitoring mid- ebb: 15:29 mid- flood: 8:23	10	11 Water Quality Monitoring mid- ebb: 17:18 mid- flood: 4:46	12	13 Water Quality Monitoring mid- ebb: 8:29 mid- flood: 12:52
14	15 ACL (Land) Environmental Site Inspection	16 ACL (Marine) Environmental Site Inspection Water Quality Monitoring mid- ebb: 11:07 mid- flood: 16:50	17	18 Water Quality Monitoring mid- ebb: 12:16 mid- flood: 5:46	19	20 Water Quality Monitoring mid- ebb: 13:29 mid- flood: 6:38
21	22 ACL (Land) Environmental Site Inspection	23 ACL (Marine) Environmental Site Inspection Water Quality Monitoring mid- ebb: 15:23 mid- flood: 8:01	24	25 Water Quality Monitoring mid- ebb: 16:44 mid- flood: 4:20	26	27 Water Quality Monitoring mid- ebb: 18:24 mid- flood: 5:59
28	29 ACL (Land) Environmental Site Inspection	30 ACL (Marine) Environmental Site Inspection Water Quality Monitoring mid- ebb: 10:09 mid- flood: 15:45	31			
1		Notes:				

ACL Environmental Monitoring and Site Inspection Schedule for Jun 2023

Jun-23

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 Water Quality Monitoring mid- ebb: 11:13 mid- flood: 17:43	2	3 Water Quality Monitoring mid- ebb: 12:24 mid- flood: 19:29
4	5 ACL (Land) Environmental Site Inspection	6 ACL (Marine) Environmental Site Inspection Water Quality Monitoring mid- ebb: 14:36 mid- flood: 7:26	7	8 Water Quality Monitoring mid- ebb: 16:16 mid- flood: 8:58	9	10 Water Quality Monitoring mid- ebb: 6:29 mid- flood: 11:13
11	12 ACL (Land) Environmental Site Inspection	13 ACL (Marine) Environmental Site Inspection Water Quality Monitoring mid- ebb: 9:48 mid- flood: 15:34	14	15 Water Quality Monitoring mid- ebb: 11:16 mid- flood: 4:29	16	17 Water Quality Monitoring mid- ebb: 12:35 mid- flood: 5:29
18	19 ACL (Land) Environmental Site Inspection	20 ACL (Marine) Environmental Site Inspection Water Quality Monitoring mid- ebb: 14:29 mid- flood: 7:07	21	22 Water Quality Monitoring mid- ebb: 15:42 mid- flood: 8:17	23	24 Water Quality Monitoring mid- ebb: 16:56 mid- flood: 9:39
25	26 ACL (Land) Environmental Site Inspection	27 ACL (Marine) Environmental Site Inspection Water Quality Monitoring mid- ebb: 8:01 mid- flood: 13:25	28	29 Water Quality Monitoring mid- ebb: 9:50 mid- flood: 16:30	30	
		Notes:				

Appendix E. Calibration Certificates



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-BC030056
Date of Issue : 20 March 2023
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : S/N: 15M100005
Date of Received : 17 March 2023
Date of Calibration : 17 March 2023
Date of Next Calibration : 16 June 2023
Request No. : D-BC030056

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

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

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	4.02	0.02	Satisfactory
7.42	7.46	0.04	Satisfactory
10.01	10.16	0.15	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
15	15.0	0.0	Satisfactory
30	30.0	0.0	Satisfactory
40	39.8	-0.2	Satisfactory

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


(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	10.09	0.90	Satisfactory
20	20.53	2.65	Satisfactory
30	30.46	1.53	Satisfactory

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

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED
SIGNATORY:


LEE Chun-ning
Assistant Manager (Chemical Testing)



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-BC030056
Date of Issue : 20 March 2023
Page No. : 2 of 2

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
8.17	8.33	0.16	Satisfactory
5.28	5.21	-0.07	Satisfactory
1.86	1.58	-0.28	Satisfactory
0.30	0.39	0.09	Satisfactory

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

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)	Result
0	0.10	--	Satisfactory
10	9.88	-1.2	Satisfactory
20	19.72	-1.4	Satisfactory
100	97.36	-2.6	Satisfactory
800	789.53	-1.3	Satisfactory

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

(6) Conductivity

Expected Reading ($\mu\text{S/cm}$ at 25°C)	Display Reading	Tolerance (%)	Result
146.9	151.3	3.00	Satisfactory
1412	1366	-3.26	Satisfactory
12890	12852	-0.29	Satisfactory
58670	60593	3.28	Satisfactory
111900	111742	-0.14	Satisfactory

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

Remark(s)

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

--- END OF REPORT ---

Appendix F. Event and Action Plan

Table F.1: Event and Action Plan for Marine Water Quality

Event	Action			
	ET	IEC	AAHK / PM	Contractor
Action level being exceeded by one sampling day	<ol style="list-style-type: none"> 1. Repeat <i>in-situ</i> measurement to confirm findings; 2. Identify reasons for non-compliance and source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; 6. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise AAHK / PM accordingly; 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented; 4. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Inform the AAHK / PM and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and propose mitigation measures.
Action level being exceeded by two or more consecutive sampling days	<ol style="list-style-type: none"> 1. Repeat <i>in-situ</i> measurement to confirm findings; 2. Identify reasons for non-compliance and source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; 6. Ensure mitigation measures are implemented; 7. Prepare to increase the monitoring frequency to daily; 8. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the AAHK / PM accordingly; 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented; 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Inform the AAHK / PM and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment 4. Consider changes of working methods; 5. Discuss with ET and IEC and propose mitigation measures to IEC and AAHK / PM within 3 working days; 6. Implement the agreed mitigation measures.
Limit level being exceeded by one sampling day	<ol style="list-style-type: none"> 1. Repeat <i>in-situ</i> measurement to confirm findings; 2. Identify reasons for non-compliance and source(s) of impact; 3. Inform IEC, Contractor and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, AAHK / PM and 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the AAHK / PM accordingly; 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Inform the AAHK / PM and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET, IEC and AAHK / PM and propose mitigation measures to IEC and AAHK / PM within

Event	Action			
	ET	IEC	AAHK / PM	Contractor
	Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of limit level.			three working days; 6. Implement the agreed mitigation measures.
Limit level being exceeded by two or more consecutive sampling days	1. Repeat <i>in-situ</i> measurement to confirm findings; 2. Identify reasons for non-compliance and source(s) of impact; 3. Inform IEC, Contractor and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, AAHK / PM and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days.	1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the AAHK / PM accordingly; 3. Assess the effectiveness of implemented mitigation measures.	1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Assess the effectiveness of the implemented mitigation measures; 5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the construction activities until no exceedance of Limit level.	1. Inform AAHK / PM and confirm notification of non-compliance in writing; 2. Rectify unacceptable practices; 3. Check all plant and equipment; 4. Consider changes of working method; 5. Discuss with ET, IEC and AAHK / PM and propose mitigation measures to IEC and AAHK / PM within 3 working days; 6. Implement the agreed mitigation measures; 7. As directed by the AAHK / PM, to slow down or to stop all or part of the construction activities.

Appendix G. Monitoring Data and Graphical Plots

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 02 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)			
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Rough	10:26	9.4	Surface	1.0	23.4	23.4	8.2	8.2	28.2	28.1	123.5	123.7	8.9	8.6	2.3	2.9	3.6	4.0		
						1.0	23.4		8.2		28.0		123.9		9.0		2.2		3.3			
					Middle	4.7	23.2	23.2	8.1	8.1	29.3	29.3	112.9	113.0	8.2	8.0	3.0	8.0	3.4		2.9	3.8
						4.7	23.2		8.1		29.3		113.0		8.2		3.0		4.1			
					Bottom	8.4	23.2	23.2	8.1	8.1	29.5	29.5	111.3	111.3	8.0	8.0	3.4	8.0	3.4		8.0	4.8
						8.4	23.2		8.1		29.5		111.3		8.0		3.4		4.5			
C2	Fine	Moderate	10:50	9.6	Surface	1.0	23.1	23.1	8.1	8.1	29.9	29.9	104.5	104.7	7.5	7.4	3.6	3.8	4.2	4.6		
						1.0	23.1		8.1		29.9		104.8		7.6		3.5		4.1			
					Middle	4.8	23.0	23.0	8.1	8.1	30.1	30.2	100.3	100.4	7.2	7.2	3.9	7.2	3.9		7.2	4.7
						4.8	23.0		8.1		30.2		100.4		7.2		3.9		4.4			
					Bottom	8.6	23.0	23.0	8.1	8.1	30.2	30.2	99.9	99.9	7.2	7.2	3.9	7.2	4.0		7.2	4.9
						8.6	23.0		8.1		30.2		99.9		7.2		4.0		5.2			
M1	Fine	Moderate	10:37	5.9	Surface	1.0	23.4	23.4	8.1	8.1	28.6	28.6	119.8	119.9	8.7	8.7	2.4	2.7	5.6	5.1		
						1.0	23.4		8.1		28.5		120.0		8.7		2.3		6.0			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
						-	-		-		-		-		-		-		-			
					Bottom	4.9	23.2	23.2	8.1	8.1	29.2	29.2	113.4	113.4	8.2	8.2	2.9	8.2	3.0		8.2	4.3
						4.9	23.2		8.1		29.2		113.4		8.2		3.0		4.5			
M2	Fine	Moderate	10:41	5.2	Surface	1.0	23.3	23.3	8.1	8.1	28.6	28.6	116.6	116.7	8.4	8.5	2.8	3.7	5.2	5.3		
						1.0	23.3		8.1		28.6		116.7		8.5		2.8		4.8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
						-	-		-		-		-		-		-		-			
					Bottom	4.2	23.1	23.1	8.1	8.1	29.5	29.5	105.2	105.2	7.6	7.6	4.6	7.6	4.6		7.6	5.8
						4.2	23.1		8.1		29.5		105.2		7.6		4.6		5.5			
M3	Fine	Moderate	10:31	7.5	Surface	1.0	23.4	23.4	8.2	8.2	28.4	28.4	121.1	121.2	8.8	8.6	1.8	2.9	5	5		
						1.0	23.4		8.2		28.4		121.2		8.8		1.8		6			
					Middle	3.8	23.3	23.3	8.1	8.1	28.8	28.8	114.7	114.8	8.3	8.6	2.8	8.6	2.8		2.9	5
						3.8	23.3		8.1		28.8		114.8		8.3		2.8		5			
					Bottom	6.5	23.1	23.1	8.1	8.1	29.7	29.7	106.0	106.0	7.6	7.6	4.2	7.6	4.2		7.6	4
						6.5	23.1		8.1		29.7		105.9		7.6		4.2		5			

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 02 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)						
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Fine	Moderate	04:51	9.2	Surface	1.0	23.2	23.2	8.1	8.1	29.7	29.7	112.1	112.3	8.1	8.0	2.2	2.9	4.9	4.5					
						1.0	23.2		8.1		29.7		112.4		8.1		2.2		4.6						
					Middle	4.6	23.2	23.2	8.1	8.1	29.8	29.8	108.4	108.6	7.8	7.5	2.8	7.5	2.7	3.9	4.3				
						4.6	23.2		8.1		29.7		108.8		7.8		2.7		4.6						
					Bottom	8.2	23.1	23.1	8.1	8.1	30.0	30.0	103.9	103.8	7.5	7.5	3.9	3.8	4.3	4.1	4.3				
						8.2	23.1		8.1		30.0		103.6		7.5		3.8		4.1						
					C2	Fine	Moderate	04:23	8.9	Surface	1.0	23.2	23.2	8.1	8.1	29.3	29.3	118.2	118.3	8.5	8.2	1.9	2.8	3.2	4.4
											1.0	23.2		8.1		29.2		118.3		8.6		1.9		3.6	
Middle	4.5	23.1	23.1	8.1						8.1	30.0	30.0	108.7	108.8	7.8	7.3	2.7	7.3	2.7	3.8	4.5				
	4.5	23.1		8.1							30.0		108.8		7.8		2.7		4.8						
Bottom	7.9	23.0	23.0	8.0						8.0	30.2	30.2	101.2	101.2	7.3	7.3	3.8	3.8	5.4	5.0	5.4				
	7.9	23.0		8.0							30.2		101.2		7.3		3.8		5.0						
M1	Fine	Calm	04:37	4.9						Surface	1.0	23.3	23.3	8.2	8.2	28.7	28.7	122.8	122.9	8.9	8.9	1.7	3.0	4.8	5.6
											1.0	23.3		8.2		28.7		122.9		8.9		1.7		5.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-		-		-		-		-		-		-						
					Bottom	3.9	23.2	23.2	8.1	8.1	29.6	29.6	114.2	114.2	8.2	8.2	4.2	8.2	4.2	3.0	6.5				
						3.9	23.2		8.1		29.6		114.1		8.2		4.2		6.0						
					M2	Fine	Calm	04:32	4.4	Surface	1.0	23.1	23.1	8.1	8.1	29.7	29.7	111.4	111.4	8.0	8.0	2.3	2.3	5.1	4.6
											1.0	23.1		8.1		29.7		111.4		8.0		2.3		4.7	
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-				
	-	-		-							-		-		-		-		-						
Bottom	3.4	23.1	23.1	8.1						8.1	29.9	29.9	108.4	108.4	7.8	7.8	2.3	7.8	2.3	2.3	4.1				
	3.4	23.1		8.1							29.9		108.4		7.8		2.3		4.4						
M3	Fine	Moderate	04:44	6.7						Surface	1.0	23.2	23.2	8.1	8.1	29.6	29.6	114.1	114.2	8.2	8.2	2.0	3.6	5	5
											1.0	23.2		8.1		29.6		114.2		8.2		2.0		5	
					Middle	3.4	23.2	23.2	8.1	8.1	29.8	29.8	112.2	112.4	8.1	7.6	2.1	7.6	2.1	6.6	4				
						3.4	23.2		8.1		29.7		112.5		8.1		2.1		4						
					Bottom	5.7	23.1	23.1	8.1	8.1	29.8	29.8	105.8	105.9	7.6	7.6	6.6	7.6	6.6	7.6	4				
						5.7	23.1		8.1		29.8		106.0		7.6		6.6		4						

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 04 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)		Suspended Solids (mg/L)							
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Fine	Calm	11:11	9.6	Surface	1.0	23.8	23.8	7.9	8.0	28.5	28.5	99.9	100.8	7.2	7.2	3.4	4.5	4.8	5.2						
						1.0	23.8		8.0		28.5		101.6		7.3		3.5		4.6							
					Middle	4.8	23.8	23.8	7.9	8.0	28.5	28.5	99.3	100.1	7.1	7.1	4.3	4.3	5.3							
						4.8	23.8		8.0		28.5		100.9		7.2		4.3		5.1							
					Bottom	8.6	23.8	23.8	7.9	8.0	28.5	28.5	97.9	99.3	7.0	7.1	5.6	7.1	5.5							
						8.6	23.8		8.0		28.5		100.6		7.2		5.6		5.8							
					C2	Fine	Calm	11:26	9.4	Surface	1.0	23.9	23.9	8.0	8.0	28.3	28.3	100.7	100.7		7.2	7.2	2.0	2.7	5.8	5.0
											1.0	23.9		8.0		28.3		100.7			7.2		1.9		5.4	
Middle	4.7	23.9	23.9	8.0						8.0	28.4	28.4	100.2	100.2	7.2	7.1	2.5	2.6	4.7							
	4.7	23.9		8.0							28.3		100.2		7.1		2.6		5.1							
Bottom	8.4	23.9	23.9	7.9						8.0	28.3	28.3	98.7	98.7	7.1	7.1	3.5	7.1	4.5							
	8.4	23.9		8.0							28.3		98.7		7.1		3.6		4.5							
M1	Fine	Calm	11:18	5.8						Surface	1.0	24.2	24.2	7.9	7.9	28.8	28.8	99.5	100.6	7.1	7.2	2.2	2.9	4.5	4.4	
											1.0	24.2		7.9		28.8		101.6		7.2		2.2		4.9		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-		-		-		-		-		-		-							
					Bottom	4.8	24.2	24.2	7.9	7.9	28.8	28.8	98.0	99.4	7.0	7.1	3.5	7.1	4.3							
						4.8	24.2		7.9		28.8		100.8		7.2		3.6		4.0							
					M2	Fine	Calm	11:20	4.4	Surface	1.0	24.0	24.0	7.9	8.0	28.6	28.6	99.7	100.5	7.1	7.2	4.8	5.1	4.4		4.3
											1.0	24.0		8.0		28.5		101.3		7.3		4.8		4.7		
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-							
	-	-		-							-		-		-		-		-							
Bottom	3.4	24.0	24.0	7.9						8.0	28.6	28.6	98.4	99.6	7.0	7.1	5.3	7.1	3.8							
	3.4	24.0		8.0							28.5		100.8		7.2		5.3		4.2							
M3	Fine	Calm	11:15	7.2						Surface	1.0	24.0	24.0	7.9	8.0	28.4	28.4	101.6	101.6	7.3	7.2	2.1	3.4	4	4	
											1.0	24.0		8.0		28.4		101.6		7.2		2.0		3		
					Middle	3.6	24.0	24.0	7.9	8.0	28.4	28.4	100.7	100.7	7.2	7.2	3.3	3.3	4							
						3.6	24.0		8.0		28.4		100.7		7.2		3.3		4							
					Bottom	6.2	24.0	24.0	7.9	8.0	28.4	28.4	99.8	99.8	7.1	7.1	4.7	7.1	5							
						6.2	24.0		8.0		28.4		99.8		7.1		4.7		5							

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 04 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Misty	Calm	07:19	9.4	Surface	1.0	23.8	23.8	7.9	8.0	28.5	28.5	99.8	99.8	7.2	7.1	4.4	5.5	3.2	3.9
						1.0	23.8		8.0		28.4		99.8		7.1		4.3			
					Middle	4.7	23.8	23.8	7.9	8.0	28.5	28.5	99.1	99.1	7.1	7.0	5.3	7.0	5.3	
						4.7	23.8		8.0		28.4		99.1		7.1		5.3			
					Bottom	8.4	23.8	23.8	7.9	8.0	28.6	28.5	98.0	98.0	7.0	7.0	6.7	7.0	6.7	
						8.4	23.8		8.0		28.4		98.0		7.0		6.8			
C2	Misty	Calm	07:02	8.4	Surface	1.0	23.8	23.8	7.9	7.9	28.4	28.4	101.3	102.2	7.3	7.3	2.3	3.6	4.6	4.9
						1.0	23.8		7.9		28.4		103.1		7.4		2.3			
					Middle	4.2	23.8	23.8	7.9	7.9	28.4	28.4	100.7	101.8	7.2	7.3	3.7	7.3	3.7	
						4.2	23.8		7.9		28.4		102.8		7.4		3.7			
					Bottom	7.4	23.8	23.8	7.9	7.9	28.4	28.4	100.3	101.4	7.2	7.3	4.7	7.3	4.7	
						7.4	23.8		7.9		28.4		102.5		7.4		4.7			
M1	Misty	Calm	07:09	5.4	Surface	1.0	24.1	24.1	7.9	7.9	29.1	29.1	100.2	101.0	7.1	7.2	5.3	5.7	3.6	3.8
						1.0	24.1		7.9		29.1		101.7		7.2		5.3			
					Middle	-	-	-	-	-	-	-	-	-	-	7.1	-	7.1	-	
						-	-		-		-		-		-		-			
					Bottom	4.4	24.1	24.1	7.9	7.9	29.1	29.1	98.7	100.0	7.0	7.1	6.1	7.1	6.1	
						4.4	24.1		7.9		29.1		101.2		7.2		6.1			
M2	Misty	Calm	07:12	5.2	Surface	1.0	24.0	24.0	7.9	7.9	29.1	29.1	101.2	101.5	7.2	7.3	3.0	3.9	5.0	4.3
						1.0	23.9		7.9		29.1		101.7		7.3		3.0			
					Middle	-	-	-	-	-	-	-	-	-	-	7.2	-	7.2	-	
						-	-		-		-		-		-		-			
					Bottom	4.2	24.0	24.1	7.9	7.9	29.1	29.1	100.3	99.8	7.2	7.2	4.8	7.2	4.8	
						4.2	24.1		7.9		29.1		99.3		7.1		4.8			
M3	Misty	Calm	07:15	7.2	Surface	1.0	24.0	24.0	7.9	8.0	28.7	28.7	100.4	101.8	7.2	7.3	3.9	4.8	3	4
						1.0	24.0		8.0		28.7		103.2		7.4		3.9			
					Middle	3.6	24.0	24.0	7.9	7.9	28.8	28.8	99.6	101.1	7.1	7.2	4.7	7.2	4.7	
						3.6	24.0		7.9		28.8		102.6		7.3		4.7			
					Bottom	6.2	24.0	24.0	7.9	7.9	28.8	28.8	98.7	100.3	7.1	7.2	5.7	7.2	5.7	
						6.2	24.0		7.9		28.8		101.9		7.3		5.7			

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 06 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)		Suspended Solids (mg/L)					
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Calm	12:01	9.4	Surface	1.0	24.5	24.5	7.9	7.9	27.7	27.7	87.9	89.3	6.3	6.4	3.2	4.3	2.4	2.8				
						1.0	24.5		7.9		27.6		90.7		6.5		3.2		2.5					
					Middle	4.7	24.5	24.5	7.9	7.9	27.7	27.7	87.4	88.9	6.2	6.4	4.3	6.3	5.5		6.4	4.3	3.3	
						4.7	24.5		7.9		27.7		90.4		6.4		4.3		2.7					
					Bottom	8.4	24.6	24.6	7.8	7.9	27.6	27.7	86.9	88.6	6.2	6.4	5.5	6.4	5.4		6.4	5.4	6.4	3.3
						8.4	24.5		7.9		27.7		90.3		6.4		5.4		3.0					
C2	Fine	Calm	12:16	8.8	Surface	1.0	24.5	24.5	7.9	7.9	28.2	28.4	89.1	90.1	6.3	6.4	4.1	5.3	2.4	2.6				
						1.0	24.4		7.9		28.5		91.1		6.5		4.2		2.1					
					Middle	4.4	24.5	24.5	7.9	7.9	28.2	28.4	88.7	89.8	6.3	6.4	5.1	6.4	6.6		6.4	5.1	6.4	2.9
						4.4	24.4		7.9		28.6		90.9		6.5		5.1		2.6					
					Bottom	7.8	24.5	24.5	7.9	7.9	28.2	28.3	88.5	89.6	6.3	6.4	6.6	6.4	6.5		6.4	6.6	6.4	2.8
						7.8	24.4		7.9		28.4		90.6		6.4		6.5		3.0					
M1	Fine	Calm	12:08	5.2	Surface	1.0	24.5	24.5	7.9	7.9	27.8	27.9	92.3	92.3	6.6	6.6	5.0	5.6	2.2	2.8				
						1.0	24.4		7.9		27.9		92.3		6.6		5.1		2.5					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.6	-		6.6	-	6.6	-
						-	-		-		-		-		-		-		-			-		
					Bottom	4.2	24.5	24.5	7.9	7.9	27.7	27.8	92.3	92.3	6.6	6.6	6.2	6.6	6.2		6.6	6.2	6.6	3.4
						4.2	24.5		7.9		27.8		92.3		6.6		6.2		3.2					
M2	Fine	Calm	12:11	4.6	Surface	1.0	24.7	24.7	7.9	7.9	27.4	27.4	92.0	92.5	6.5	6.6	4.3	4.7	2.6	2.6				
						1.0	24.7		7.9		27.4		92.9		6.6		4.3		2.8					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.6	-		6.6	-	6.6	-
						-	-		-		-		-		-		-		-			-		
					Bottom	3.6	24.7	24.7	7.9	7.9	27.4	27.4	91.3	92.0	6.5	6.6	5.1	6.6	5.2		6.6	5.1	6.6	2.3
						3.6	24.7		7.9		27.4		92.6		6.6		5.2		2.5					
M3	Fine	Calm	12:05	7.0	Surface	1.0	24.7	24.7	7.8	7.9	27.3	27.4	88.7	89.6	6.3	6.4	2.1	3.4	2	3				
						1.0	24.6		7.9		27.5		90.4		6.4		2.1		2					
					Middle	3.5	24.8	24.7	7.8	7.9	27.3	27.4	88.4	89.3	6.3	6.4	3.0	6.4	3.0		6.4	3.0	6.4	3
						3.5	24.6		7.9		27.5		90.1		6.4		3.0		3					
					Bottom	6.0	24.8	24.8	7.8	7.9	27.2	27.3	88.2	89.1	6.3	6.4	5.0	6.4	4.9		6.4	5.0	6.4	3
						6.0	24.7		7.9		27.4		89.9		6.4		4.9		3					

DA: Depth-averaged

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Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 06 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)																
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA															
C1	Fine	Calm	08:23	9.0	Surface	1.0	24.9	24.9	7.8	7.8	27.3	27.3	86.4	86.4	6.1	6.1	4.3	5.3	4.6	3.5															
						1.0	24.9		7.8		27.3		86.4		6.1		4.4		4.1																
						4.5	24.9		7.8		27.3		85.1		6.0		5.6		3.2																
						4.5	24.9		7.8		27.3		85.7		6.1		5.5		3.7																
					Bottom	8.0	24.9	24.9	7.8	7.8	27.3	27.3	84.0	84.4	5.9	6.0	6.0	6.0	6.0		6.0	2.6	2.9												
						8.0	24.9		7.8		27.3		84.8		6.0		6.1																		
						C2	Fine		Calm		08:06		8.6		Surface		1.0		24.8			24.9		7.8	7.8	27.2	27.2	90.6	90.6	6.4	6.4	4.6	5.5	2.3	3.2
																	1.0		24.9					7.8		27.1		90.6		6.4		4.7		2.6	
4.3	24.8	7.8	27.2	90.1	6.3			5.2		2.8																									
4.3	24.9	7.8	27.1	90.0	6.4			5.1		3.1																									
Bottom	7.6	24.8	24.9	7.8	7.8			27.2		27.2		90.2		90.1	6.3	6.4	6.8	6.4	6.8	6.8	3.9	4.2													
	7.6	24.9		7.8				27.1				90.0			6.4		6.8																		
	M1	Fine		Calm				08:12				4.8			Surface		1.0		25.0		25.0		7.8	7.8	27.6	27.6	78.3	78.3	5.5	5.5	3.4	4.0	4.4	3.7	
																	1.0		25.0				7.8		27.6		78.3		5.5		3.3		4.1		
-			-		-	-	-		-	-	-		-																						
-			-		-	-	-		-	-	-		-																						
Bottom			3.8		24.8	24.9	7.8		7.8	27.6	27.6		75.4	75.5	5.3	5.3	4.6	5.3	4.6	5.3	3.4	3.0													
			3.8		25.0		7.8			27.6			75.5		5.3		4.6																		
			M2		Fine		Calm			08:15			5.4		Surface		1.0		25.0		25.0		7.8	7.8	27.7	27.7	85.1	85.1	5.9	6.0	5.3	5.7	3.1		3.0
																	1.0		24.9				7.8		27.7		85.0		6.0		5.3		3.3		
-	-	-		-		-		-	-		-	-																							
-	-	-		-		-		-	-		-	-																							
Bottom	4.4	24.9		25.0		7.8		7.8	27.7		27.7	83.4		83.6	5.8	5.9	6.0	5.9	6.0	5.9	2.9	2.6													
	4.4	25.0				7.8			27.7			83.7			5.9		6.1																		
	M3	Fine				Calm			08:18			7.0			Surface		1.0		25.0		25.0		7.8	7.8	27.4	27.4	89.0	89.2	6.2	6.3	1.4	2.3	4	3	
																	1.0		25.0				7.8		27.3		89.3		6.3		1.5		4		
3.5			25.1	7.8	27.5		88.7	6.2		2.3	4																								
3.5			25.0	7.8	27.4		88.7	6.3		2.3	3																								
Bottom			6.0	25.1	25.1		7.8	7.8		27.5	27.5		88.2	88.1	6.2	6.2	3.3	6.2	3.3	6.2	3	3													
			6.0	25.0			7.8			27.4			88.0		6.2		3.2																		

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 09 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Fine	Calm	15:14	12.2	Surface	1.0	24.2	24.3	7.9	7.9	27.8	27.6	82.3	83.5	5.9	6.0	1.4	2.7	4.0	4.5
						1.0	24.3		7.9		27.4		84.7		6.1		1.5		3.7	
					Middle	6.1	24.2	24.2	7.9	7.9	27.9	28.0	81.9	82.4	5.9		2.7		4.3	
						6.1	24.2		7.9		28.0		82.9		5.9		2.8		4.5	
					Bottom	11.2	24.0	24.1	7.9	7.9	28.0	27.9	81.8	82.7	5.9		3.7		5.1	
						11.2	24.2		7.9		27.8		83.5		6.0		3.8		5.5	
C2	Fine	Calm	15:31	8.6	Surface	1.0	24.2	24.2	7.9	7.9	28.1	28.2	81.8	82.2	5.8	5.9	2.2	3.3	3.4	3.5
						1.0	24.2		7.9		28.2		82.6		5.9		2.1		3.2	
					Middle	4.3	24.2	24.2	7.9	7.9	28.5	28.5	80.7	81.7	5.8		3.2		3.4	
						4.3	24.2		7.9		28.4		82.6		5.9		3.2		3.7	
					Bottom	7.6	24.1	24.2	7.9	7.9	28.6	28.4	80.3	81.5	5.7		4.4		3.5	
						7.6	24.2		7.9		28.2		82.7		5.9		4.4		3.9	
M1	Fine	Calm	15:26	4.8	Surface	1.0	24.0	24.1	7.9	7.9	26.7	26.8	84.1	83.6	6.1	6.1	2.8	3.0	3.0	3.8
						1.0	24.2		7.9		26.8		83.1		6.0		2.9		3.5	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-		-	
					Bottom	3.8	23.9	24.0	7.9	7.9	27.3	27.1	84.3	84.0	6.1		3.1		4.6	
						3.8	24.1		7.9		26.8		83.6		6.0		3.0		4.2	
M2	Fine	Calm	15:22	5.4	Surface	1.0	24.2	24.2	7.9	7.9	26.9	27.0	80.9	81.5	5.8	5.9	2.8	3.1	3.7	3.9
						1.0	24.2		7.9		27.0		82.0		5.9		2.8		3.4	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-		-	
					Bottom	4.4	24.1	24.2	7.9	7.9	27.3	27.2	80.0	80.8	5.8		3.3		4.4	
						4.4	24.2		7.9		27.0		81.6		5.9		3.3		4.0	
M3	Fine	Calm	15:19	8.0	Surface	1.0	24.2	24.2	7.9	7.9	27.1	27.2	81.6	82.1	5.9	5.9	2.7	3.4	4	3
						1.0	24.2		7.9		27.2		82.6		5.9		2.8		4	
					Middle	4.0	24.2	24.2	7.9	7.9	27.7	27.7	80.6	81.6	5.8		3.3		4	
						4.0	24.2		7.9		27.6		82.5		5.9		3.4		3	
					Bottom	7.0	24.0	24.1	7.9	7.9	28.0	27.6	79.2	80.8	5.7		4.2		3	
						7.0	24.2		7.9		27.2		82.4		5.9		4.1		3	

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 09 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Misty	Moderate	08:48	11.4	Surface	1.0	24.2	24.2	7.9	7.9	28.1	28.1	81.2	81.3	5.8	5.8	3.2	4.3	3.4	3.8
						1.0	24.2		7.9		28.1		81.4		5.9		3.2		3.0	
					Middle	5.7	24.2	24.2	7.9	7.9	28.3	28.4	79.5	79.8	5.7		4.1		3.6	
						5.7	24.2		7.9		28.4		80.0		5.7		4.2		3.8	
					Bottom	10.4	23.9	24.1	7.9	7.9	28.5	28.4	78.5	78.3	5.6		5.5		4.2	
						10.4	24.2		7.9		28.2		78.0		5.6		5.6		4.5	
C2	Misty	Moderate	08:29	8.4	Surface	1.0	24.2	24.2	7.9	7.9	27.6	27.7	82.3	82.6	5.9	5.9	4.4	5.0	4.1	4.5
						1.0	24.2		7.9		27.7		82.9		5.9		4.4		4.2	
					Middle	4.2	24.2	24.2	7.9	7.9	28.0	28.0	80.8	81.8	5.8		5.0		4.5	
						4.2	24.2		7.9		28.0		82.7		5.9		5.0		4.2	
					Bottom	7.4	23.9	24.1	7.9	7.9	28.2	28.0	80.4	81.6	5.8		5.5		4.7	
						7.4	24.2		7.9		27.7		82.7		5.9		5.4		5.0	
M1	Misty	Calm	08:36	4.8	Surface	1.0	23.9	24.1	7.9	7.9	27.3	27.2	78.3	79.1	5.7	5.7	2.2	2.8	4.5	5.0
						1.0	24.2		7.9		27.1		79.9		5.7		2.2		4.0	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-		-	
					Bottom	3.8	23.7	24.0	7.9	7.9	27.6	27.4	77.3	78.3	5.6		3.4		5.4	
						3.8	24.2		7.9		27.2		79.2		5.7		3.5		5.9	
M2	Misty	Calm	08:40	5.6	Surface	1.0	24.2	24.2	7.9	7.9	26.6	26.6	79.1	80.0	5.7	5.8	3.1	3.5	4.8	4.9
						1.0	24.2		7.9		26.6		80.8		5.8		3.1		4.4	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-		-	
					Bottom	4.6	23.6	23.9	7.9	7.9	27.2	26.9	76.2	78.0	5.5		3.9		5.0	
						4.6	24.2		7.9		26.6		79.7		5.7		4.0		5.5	
M3	Misty	Calm	08:43	7.8	Surface	1.0	24.2	24.2	7.9	7.9	27.6	27.5	79.7	80.8	5.7	5.8	4.4	5.4	3	4
						1.0	24.2		7.9		27.3		81.8		5.9		4.4		4	
					Middle	3.9	24.1	24.2	7.9	7.9	28.0	27.7	79.3	80.3	5.7		5.3		4	
						3.9	24.2		7.9		27.4		81.3		5.8		5.3		4	
					Bottom	6.8	23.8	24.0	7.9	7.9	28.4	27.8	78.2	79.6	5.6		6.5		4	
						6.8	24.2		7.9		27.2		81.0		5.8		6.5		4	

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**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 11 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Misty	Calm	16:14	11.0	Surface	1.0	24.0	7.9	7.9	28.5	28.6	85.3	84.9	6.1	6.1	2.6	3.1	2.5	2.2	
						1.0	24.0	7.9	7.9	28.7	28.6	84.4	84.9	6.0		2.5				
					Middle	5.5	23.9	7.9	7.9	29.0	29.1	85.8	84.9	6.1		2.9				
						5.5	23.9	7.9	7.9	29.1	29.1	84.0	84.9	6.0		2.9				
					Bottom	10.0	23.9	7.9	7.9	29.0	28.9	87.6	86.4	6.3		3.7				
						10.0	24.0	7.9	7.9	28.7	28.9	85.2	86.4	6.1		3.7				
C2	Misty	Calm	16:31	10.0	Surface	1.0	23.9	7.9	7.9	28.7	28.8	85.2	84.8	6.1	6.1	3.3	3.8	2.6	3.2	
						1.0	23.9	7.9	7.9	28.8	28.8	84.4	84.8	6.0		3.3				
					Middle	5.0	23.9	7.9	7.9	29.0	29.1	84.9	84.7	6.1		4.0				
						5.0	23.9	7.9	7.9	29.1	29.1	84.4	84.7	6.0		4.0				
					Bottom	9.0	23.9	7.9	7.9	29.1	28.9	86.1	85.8	6.2		4.1				
						9.0	23.9	7.9	7.9	28.6	28.9	85.5	85.8	6.1		4.1				
M1	Misty	Calm	16:26	5.6	Surface	1.0	23.7	7.9	7.9	27.9	27.9	90.2	89.0	6.5	6.4	1.8	2.4	1.7	2.1	
						1.0	23.8	7.9	7.9	27.9	27.9	87.8	89.0	6.3		1.8				
					Middle	-	-	-	-	-	-	-	-	-		-				
						-	-	-	-	-	-	-	-	-		-				
					Bottom	4.6	23.8	7.9	7.9	27.8	27.9	90.8	89.5	6.5		3.0				
						4.6	23.8	7.9	7.9	27.9	27.9	88.2	89.5	6.4		2.9				
M2	Misty	Calm	16:22	5.2	Surface	1.0	23.7	7.9	7.9	27.8	27.8	89.4	88.8	6.5	6.5	2.6	2.9	3.4	3.0	
						1.0	23.8	7.9	7.9	27.8	27.8	88.2	88.8	6.4		2.7				
					Middle	-	-	-	-	-	-	-	-	-		-				
						-	-	-	-	-	-	-	-	-		-				
					Bottom	4.2	23.8	7.9	7.9	27.9	27.9	90.7	89.8	6.5		3.1				
						4.2	23.8	7.9	7.9	27.8	27.9	88.9	89.8	6.4		3.2				
M3	Misty	Calm	16:19	7.2	Surface	1.0	23.8	7.9	7.9	27.8	27.8	88.8	87.4	6.4	6.2	2.5	3.4	2	3	
						1.0	23.9	7.9	7.9	27.8	27.8	86.0	87.4	6.2		2.6				
					Middle	3.6	23.9	7.9	7.9	28.5	28.6	84.8	84.8	6.1		3.5				
						3.6	23.9	7.9	7.9	28.7	28.6	84.8	84.8	6.1		3.5				
					Bottom	6.2	23.9	7.9	7.9	28.6	28.5	85.5	86.0	6.1		4.1				
						6.2	23.9	7.9	7.9	28.3	28.5	86.5	86.0	6.2		4.1				

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**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 11 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)							
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Misty	Calm	06:09	10.0	Surface	1.0	23.9	24.0	7.9	7.9	28.6	28.6	85.0	84.8	6.1	6.1	3.3	4.0	2.5	2.7						
						1.0	24.0		7.9		28.6		84.5		6.0		3.2		2.3							
					Middle	5.0	23.9	23.9	7.9	7.9	29.0	29.0	84.8	84.6	6.1	6.1	4.1	4.0	2.9							
						5.0	23.9		7.9		29.0		84.3		6.0		4.1		2.6							
					Bottom	9.0	23.9	24.0	7.9	7.9	29.0	28.9	85.3	85.3	6.1	6.1	4.7	6.1	3.0							
						9.0	24.0		7.9		28.7		85.2		6.1		4.7		2.9							
					C2	Misty	Calm	05:49	11.0	Surface	1.0	23.9	23.9	7.9	7.9	28.2	28.4	85.0	84.9		6.1	6.1	2.7	4.3	2.5	3.2
											1.0	23.9		7.9		28.5		84.8			6.1		2.7		2.2	
Middle	5.5	24.0	24.0	7.9						7.9	29.1	29.0	83.6	84.0	6.0	6.0	4.7	6.0	3.3							
	5.5	24.0		7.9							28.9		84.3		6.0		4.7		3.0							
Bottom	10.0	23.9	23.9	7.9						7.9	29.2	29.3	83.4	83.9	5.9	6.0	5.4	6.0	3.9							
	10.0	23.9		7.9							29.3		84.4		6.0		5.3		4.3							
M1	Misty	Calm	05:55	5.2						Surface	1.0	23.8	23.8	7.9	7.9	27.5	27.6	89.1	88.8	6.4	6.4	2.0	2.3	2.3	2.7	
											1.0	23.8		7.9		27.6		88.5		6.4		2.0		2.6		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.4	-	2.3	-					
						-	-		-		-		-		-		-		-							
					Bottom	4.2	23.6	23.7	7.9	7.9	27.7	27.6	89.0	88.9	6.5	6.5	2.5	6.5	2.9							
						4.2	23.8		7.9		27.5		88.7		6.4		2.6		3.1							
					M2	Misty	Calm	06:00	5.8	Surface	1.0	23.6	23.7	7.9	7.9	28.0	28.0	89.1	88.1	6.4	6.4	1.2	1.7	2.1		2.8
											1.0	23.7		7.9		28.0		87.1		6.3		1.3		2.4		
Middle	-	-	-	-						-	-	-	-	-	-	-	-	6.4	-	6.4	-					
	-	-		-							-		-		-		-		-							
Bottom	4.8	23.5	23.6	7.9						7.9	28.1	28.1	89.3	88.5	6.5	6.4	2.0	6.4	3.1							
	4.8	23.7		7.9							28.0		87.6		6.3		2.1		3.5							
M3	Misty	Calm	06:04	7.2						Surface	1.0	23.9	23.9	7.9	7.9	27.8	27.9	85.8	85.7	6.2	6.2	3.1	3.8	2	3	
											1.0	23.9		7.9		27.9		85.6		6.2		3.0		3		
					Middle	3.6	23.9	23.9	7.9	7.9	28.1	28.1	85.2	85.4	6.1	6.1	4.1	6.2	3							
						3.6	23.9		7.9		28.1		85.6		6.1		4.2		3							
					Bottom	6.2	23.9	23.9	7.9	7.9	28.1	28.0	85.1	86.0	6.1	6.2	4.2	6.2	4							
						6.2	23.9		7.9		27.8		86.9		6.3		4.2		4							

DA: Depth-averaged

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Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 13 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Rainy	Calm	08:47	10.2	Surface	1.0	23.8	23.8	7.9	7.9	26.7	26.8	90.5	90.0	6.6	6.3	1.4	2.0	1.7	1.6
						1.0	23.8		7.9		26.8		89.5		6.5		1.3			
					Middle	5.1	23.8	23.8	7.9	7.9	27.8	27.8	85.4	84.5	6.2		2.2			
						5.1	23.8		7.9		27.8		83.6		6.0		2.2			
					Bottom	9.2	23.8	23.8	7.9	7.9	27.9	28.4	87.1	85.4	6.3		2.5			
						9.2	23.8		7.9		28.8		83.7		6.0		2.4			
C2	Rainy	Calm	08:28	10.6	Surface	1.0	23.8	23.8	7.9	7.9	26.3	26.4	89.9	89.5	6.5	6.3	1.0	1.4	1.9	1.7
						1.0	23.8		7.9		26.4		89.0		6.4		1.0			
					Middle	5.3	23.8	23.8	7.9	7.9	26.6	26.6	85.6	85.5	6.2		1.4			
						5.3	23.8		7.9		26.6		85.4		6.2		1.4			
					Bottom	9.6	23.8	23.8	7.9	7.9	29.2	29.3	87.6	87.3	6.3		1.7			
						9.6	23.8		7.9		29.4		87.0		6.2		1.8			
M1	Rainy	Calm	08:33	5.6	Surface	1.0	23.8	23.8	7.9	7.9	26.6	26.8	89.6	88.9	6.5	6.5	1.1	1.2	1.5	1.8
						1.0	23.7		7.9		27.0		88.2		6.4		1.1			
					Middle	-	-	-	-	-	-	-	-	-	-		-			
						-	-		-		-		-		-		-			
					Bottom	4.6	23.7	23.7	7.9	7.9	27.0	27.0	88.2	88.6	6.4		1.3			
						4.6	23.7		7.9		26.9		89.0		6.5		1.2			
M2	Rainy	Calm	08:39	5.0	Surface	1.0	23.3	23.5	7.9	7.9	27.5	27.4	87.8	87.2	6.4	6.4	1.3	1.4	1.5	1.6
						1.0	23.7		7.9		27.3		86.5		6.3		1.3			
					Middle	-	-	-	-	-	-	-	-	-	-		-			
						-	-		-		-		-		-		-			
					Bottom	4.0	23.0	23.4	7.9	7.9	27.8	27.6	88.4	87.7	6.5		1.5			
						4.0	23.7		7.9		27.3		87.0		6.3		1.6			
M3	Rainy	Calm	08:43	8.0	Surface	1.0	23.7	23.8	7.9	7.9	27.4	27.2	86.2	86.6	6.2	6.2	2.1	2.9	2	2
						1.0	23.8		7.9		26.9		87.0		6.3		2.0			
					Middle	4.0	23.7	23.7	7.9	7.9	28.0	27.9	86.0	85.2	6.2		2.8			
						4.0	23.7		7.9		27.7		84.4		6.1		2.8			
					Bottom	7.0	23.7	23.7	7.9	7.9	28.2	28.5	87.7	87.3	6.3		3.9			
						7.0	23.7		7.9		28.7		86.9		6.2		3.8			

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Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 13 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Rainy	Calm	11:31	11.4	Surface	1.0	23.8	23.8	7.9	7.9	26.3	26.4	90.0	90.1	6.5	6.3	1.4	1.7	2.2	2.2
						1.0	23.8		7.9		26.4		90.1		6.5		1.4		1.5	
					Middle	5.7	23.8	23.8	7.9	7.9	28.2	28.3	84.8	84.4	6.1	6.4	1.3	2.3		
						5.7	23.8		7.9		28.4		84.0		6.0		1.3		1.7	
					Bottom	10.4	23.2	23.5	7.9	7.9	28.6	28.8	87.9	87.9	6.4	6.4	2.4	2.2		
						10.4	23.8		7.9		29.0		87.8		6.3		2.3		3.3	
C2	Rainy	Calm	11:49	10.2	Surface	1.0	23.8	23.8	7.9	7.9	26.9	26.8	85.9	87.7	6.2	6.2	4.3	5.2	1.6	1.8
						1.0	23.8		7.9		26.6		89.5		6.5		4.3		2.0	
					Middle	5.1	23.8	23.8	7.9	7.9	27.5	27.5	83.9	84.5	6.1	5.7	5.1	1.7		
						5.1	23.8		7.9		27.5		85.0		6.1		5.1		1.7	
					Bottom	9.2	23.8	23.8	7.9	7.9	29.6	29.7	77.7	79.6	5.5	6.1	6.1	1.6		
						9.2	23.8		7.9		29.7		81.4		5.8		6.1		1.6	
M1	Rainy	Calm	11:40	4.8	Surface	1.0	23.4	23.6	7.9	7.9	27.4	27.3	88.7	88.4	6.5	6.5	1.5	1.7	2.2	1.8
						1.0	23.7		7.9		27.2		88.0		6.4		1.5		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	6.5	-	1.8		
						-	-		-		-		-		-		-		-	
					Bottom	3.8	23.2	23.4	7.9	7.9	27.6	27.4	89.6	89.0	6.5	6.5	1.8	2.1		
						3.8	23.6		7.9		27.2		88.4		6.4		1.8		1.5	
M2	Rainy	Calm	11:43	5.8	Surface	1.0	23.7	23.8	7.9	7.9	26.9	26.9	88.3	88.3	6.4	6.4	1.2	2.2	1.8	1.7
						1.0	23.8		7.9		26.8		88.2		6.4		1.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	6.5	-	1.8		
						-	-		-		-		-		-		-		-	
					Bottom	4.8	23.1	23.5	7.9	7.9	27.9	27.3	89.3	88.8	6.5	6.5	3.2	1.4		
						4.8	23.8		7.9		26.7		88.3		6.4		3.2		1.4	
M3	Rainy	Calm	11:36	6.8	Surface	1.0	23.7	23.8	7.9	7.9	26.8	26.8	89.0	89.0	6.5	6.5	1.2	1.6	3	2
						1.0	23.8		7.9		26.8		89.0		6.4		1.3		2	
					Middle	3.4	23.7	23.7	7.9	7.9	27.0	27.1	88.8	88.7	6.5	6.6	1.3	3		
						3.4	23.7		7.9		27.1		88.5		6.4		1.3		3	
					Bottom	5.8	23.2	23.5	7.9	7.9	27.5	27.3	89.9	89.8	6.6	6.6	2.3	1		
						5.8	23.7		7.9		27.0		89.7		6.5		2.4		2	

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**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 16 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Misty	Calm	10:48	10.4	Surface	1.0	24.5	24.5	7.8	7.8	24.9	24.8	90.2	91.0	6.5	6.5	1.4	2.4	3.7	3.2
						1.0	24.5		7.8		24.7		91.7		6.7		1.5		3.4	
					Middle	5.2	24.4	24.4	7.8	7.8	25.2	25.3	88.6	89.6	6.4		2.5		3.4	
						5.2	24.4		7.8		25.3		90.5		6.5		2.6		3.2	
					Bottom	9.4	24.4	24.5	7.8	7.8	25.0	25.0	87.1	89.2	6.3		3.2		3.0	
						9.4	24.5		7.8		24.9		91.3		6.6		3.2		2.7	
C2	Misty	Calm	10:28	10.8	Surface	1.0	24.2	24.3	7.8	7.8	26.2	26.2	86.3	86.2	6.2	6.1	1.7	2.6	4.2	3.6
						1.0	24.4		7.8		26.1		86.1		6.2		1.7		3.9	
					Middle	5.4	24.1	24.1	7.8	7.8	27.1	27.1	84.4	84.3	6.1		2.2		3.5	
						5.4	24.1		7.8		27.0		84.2		6.0		2.2		3.6	
					Bottom	9.8	24.2	24.2	7.8	7.8	27.0	27.3	83.1	83.1	6.0		3.9		3.1	
						9.8	24.2		7.8		27.5		83.0		6.0		3.9		3.4	
M1	Misty	Calm	10:39	4.4	Surface	1.0	24.4	24.5	7.7	7.8	26.1	26.1	84.1	85.5	6.1	6.2	2.5	2.8	3.2	3.0
						1.0	24.5		7.8		26.0		86.8		6.2		2.1		3.0	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-		-	
					Bottom	3.4	24.4	24.4	7.7	7.8	26.2	26.2	82.7	83.9	6.0		3.3		3.0	
						3.4	24.4		7.8		26.1		85.0		6.1		3.3		2.8	
M2	Misty	Calm	10:35	4.8	Surface	1.0	24.5	24.5	7.7	7.8	26.4	26.7	84.7	86.0	6.1	6.2	2.0	2.6	2.8	3.0
						1.0	24.4		7.8		26.9		87.2		6.3		2.0		2.7	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-		-	
					Bottom	3.8	24.5	24.5	7.7	7.8	26.7	26.7	83.5	85.1	6.0		3.3		3.0	
						3.8	24.4		7.8		26.7		86.6		6.2		3.2		3.3	
M3	Misty	Calm	10:43	6.8	Surface	1.0	24.2	24.2	7.8	7.8	27.4	26.6	84.6	85.5	6.1	6.1	3.3	4.3	3	4
						1.0	24.2		7.8		25.8		86.3		6.2		3.4		3	
					Middle	3.4	24.1	24.1	7.8	7.8	27.9	28.3	83.6	84.6	6.0		4.3		3	
						3.4	24.1		7.8		28.6		85.6		6.1		4.3		4	
					Bottom	5.8	24.0	24.1	7.7	7.8	28.7	28.8	82.6	84.2	5.9		5.1		4	
						5.8	24.1		7.8		28.8		85.8		6.1		5.1		4	

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**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 16 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)						
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Misty	Calm	15:43	9.8	Surface	1.0	24.4	24.4	7.8	7.9	25.2	25.3	92.8	91.3	6.7	6.5	4.2	5.2	2.3	3.0					
						1.0	24.4		7.9		25.3		89.7		6.5		4.2		2.6						
					Middle	4.9	24.4	24.4	7.8	7.9	25.5	25.6	88.7	88.9	6.4	6.4	5.2	6.4	5.2	6.4	3.1				
						4.9	24.3		7.9		25.6		89.0		6.4		5.2		3.1						
					Bottom	8.8	24.4	24.5	7.8	7.8	25.5	25.4	87.7	88.6	6.3	6.4	6.1	6.4	6.1	6.4	3.3				
						8.8	24.5		7.8		25.2		89.5		6.5		6.0		3.7						
					C2	Misty	Calm	15:57	10.2	Surface	1.0	24.4	24.5	7.8	7.8	25.3	25.4	87.7	87.8	6.4	6.3	3.5	4.3	3.1	2.8
											1.0	24.6		7.8		25.5		87.8		6.3		3.6		3.3	
Middle	5.1	24.3	24.3	7.8						7.8	27.1	27.0	86.7	86.4	6.2	6.2	4.2	6.1	4.2	6.1	2.6				
	5.1	24.3		7.8							26.8		86.1		6.2		4.2		2.8						
Bottom	9.2	24.2	24.3	7.7						7.8	27.8	27.9	85.1	85.3	6.1	6.1	5.2	6.1	5.2	6.1	2.2				
	9.2	24.4		7.8							27.9		85.4		6.1		5.2		2.5						
M1	Misty	Calm	15:52	5.8						Surface	1.0	24.6	24.6	7.8	7.8	26.1	26.2	87.1	88.0	6.2	6.3	3.6	4.2	2.6	2.8
											1.0	24.6		7.8		26.2		88.8		6.4		3.7		2.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	6.2	-				
						-	-		-		-		-		-		-		-						
					Bottom	4.8	24.5	24.5	7.7	7.8	26.7	26.6	85.1	86.3	6.1	6.2	4.8	6.2	4.8	6.2	3.1				
						4.8	24.5		7.8		26.4		87.5		6.3		4.8		2.8						
					M2	Misty	Calm	15:55	4.2	Surface	1.0	24.4	24.5	7.8	7.8	26.4	26.0	87.2	87.1	6.3	6.3	4.2	4.9	2.4	2.5
											1.0	24.6		7.8		25.6		87.0		6.2		4.2		2.2	
Middle	-	-	-	-						-	-	-	-	-	-	-	-	6.1	-	6.1	-				
	-	-		-							-		-		-		-		-						
Bottom	3.2	24.3	24.4	7.8						7.8	27.0	26.5	84.5	84.5	6.1	6.1	5.5	6.1	5.5	6.1	2.7				
	3.2	24.5		7.8							25.9		84.5		6.1		5.5		2.7						
M3	Misty	Calm	15:49	6.4						Surface	1.0	24.5	24.5	7.8	7.8	26.1	26.0	88.3	89.6	6.4	6.4	4.3	4.4	2	3
											1.0	24.5		7.8		25.9		90.8		6.5		4.2		3	
					Middle	3.2	24.4	24.5	7.8	7.8	26.4	26.2	87.4	88.8	6.3	6.4	4.3	6.3	4.4	6.3	3				
						3.2	24.5		7.8		26.0		90.1		6.5		4.4		3						
					Bottom	5.4	24.4	24.5	7.7	7.8	26.7	26.4	86.1	87.7	6.2	6.3	4.6	6.3	4.6	6.3	4				
						5.4	24.5		7.8		26.0		89.3		6.4		4.6		4						

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**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 18 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Fine	Calm	11:13	8.8	Surface	1.0	25.4	25.5	8.0	8.0	24.8	24.8	86.9	87.1	6.2	6.2	1.7	1.9	3.8	4.2
						1.0	25.5		8.0	8.0	24.7		87.2		6.2		1.8		3.6	
					Middle	4.4	25.3	25.4	8.0	8.0	24.9	24.9	86.8	86.9	6.2		1.9		4.3	
						4.4	25.4		8.0	8.0	24.8		87.0		6.2		2.0		4.0	
					Bottom	7.8	25.5	25.5	8.0	8.0	24.7	24.7	88.8	88.2	6.3		2.0		4.9	
						7.8	25.5		8.0	8.0	24.7		87.5		6.2		2.1		4.5	
C2	Fine	Calm	11:28	9.0	Surface	1.0	25.4	25.3	8.0	8.0	24.8	25.0	88.1	86.3	6.3	6.1	2.1	2.6	4.7	4.5
						1.0	25.2		8.0	8.0	25.1		84.5		6.0		2.0		5.1	
					Middle	4.5	25.2	25.2	8.0	8.0	25.2	25.2	85.3	85.2	6.1		2.2		4.5	
						4.5	25.2		8.0	8.0	25.1		85.0		6.1		2.2		4.7	
					Bottom	8.0	25.7	25.6	8.0	8.0	24.9	24.9	86.5	86.3	6.1		3.5		4.2	
						8.0	25.4		8.0	8.0	24.9		86.1		6.1		3.4		3.9	
M1	Fine	Calm	11:20	4.6	Surface	1.0	25.9	25.8	8.0	8.0	25.2	25.2	88.6	87.9	6.2	6.2	1.1	1.6	4.4	4.5
						1.0	25.6		8.0	8.0	25.2		87.1		6.2		1.1		4.1	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-	-	-		-		-		-		-	
					Bottom	3.6	26.0	25.9	8.0	8.0	25.2	25.3	89.5	88.7	6.3		2.1		4.8	
						3.6	25.7		8.0	8.0	25.3		87.9		6.2		2.1		4.6	
M2	Fine	Calm	11:23	5.4	Surface	1.0	25.7	25.6	8.0	8.0	25.3	25.4	87.8	87.5	6.2	6.2	1.8	2.0	3.0	3.8
						1.0	25.4		8.0	8.0	25.4		87.1		6.2		1.8		3.5	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-	-	-		-		-		-		-	
					Bottom	4.4	26.1	25.8	8.0	8.0	25.3	25.4	88.9	88.2	6.2		2.2		4.5	
						4.4	25.4		8.0	8.0	25.4		87.5		6.2		2.2		4.2	
M3	Fine	Calm	11:17	6.4	Surface	1.0	25.5	25.5	8.0	8.0	25.4	25.3	88.2	88.0	6.3	6.2	1.9	2.1	3	4
						1.0	25.5		8.0	8.0	25.1		87.7		6.2		1.8		4	
					Middle	3.2	25.5	25.5	8.0	8.0	25.5	25.4	88.0	87.9	6.2		2.1		4	
						3.2	25.5		8.0	8.0	25.2		87.7		6.2		2.0		4	
					Bottom	5.4	25.8	25.7	8.0	8.0	25.5	25.4	88.5	88.4	6.2		2.3		4	
						5.4	25.5		8.0	8.0	25.2		88.2		6.3		2.3		4	

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**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 18 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)														
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA													
C1	Fine	Calm	07:00	9.0	Surface	1.0	25.3	25.3	8.0	8.0	24.8	24.9	86.3	85.6	6.2	6.2	1.1	2.0	3.7	4.1													
						1.0	25.2		8.0		25.0		84.8		6.1		1.0		4.0														
						Middle	4.5		25.2		25.2		8.0		8.0		25.0		25.0		86.3	85.5	6.2	6.2	2.0	4.1							
							4.5		25.2				8.0				25.0				84.7		6.1		2.1	4.3							
					Bottom	8.0	25.9	25.6	8.0	8.0	24.7	24.9	87.5	86.4	6.2	6.2	2.9	6.2	2.9		4.4												
						8.0	25.2		8.0		25.0		85.2		6.1		2.9		4.2														
						C2	Fine		Calm		06:41		9.6		Surface		1.0		25.5		25.5	8.1	8.1	24.8	24.8	86.4	86.3	6.2	6.1	1.0	1.8	3.9	4.3
																	1.0		25.5			8.0		24.8		86.1		6.1		1.1		4.2	
Middle	4.8	25.5	25.5	8.1	8.1			25.0		25.0		86.3		86.2		6.1	6.1	2.0	4.3														
	4.8	25.5		8.0				25.0				86.0				6.1		2.1	4.1														
Bottom	8.6	25.5	25.5	8.1	8.1			24.9		24.9		88.2		87.4	6.3	6.3	2.3	6.3	2.3	4.7													
	8.6	25.5		8.1				24.8				86.5			6.2		2.2		4.4														
	M1	Fine		Calm				06:47				5.2			Surface		1.0		25.6	25.5	8.0	8.0	25.2	25.3	87.4	86.7	6.2	6.2	1.6	1.7	3.9	4.0	
																	1.0		25.4		8.0		25.4		85.9		6.1		1.5		3.5		
Middle			-		-	-	-		-	-	-		-	-	-	-	-	-	-	-													
			-		-		-			-			-		-		-		-														
Bottom			4.2		26.1	25.8	8.0		8.0	25.1	25.3		87.7	87.1	6.2	6.2	1.7	6.2	1.7	4.2													
			4.2		25.4		8.0			25.4			86.5		6.1		1.8		4.5														
M2			Fine		Calm	06:51	5.4		Surface	1.0	25.5		25.5	7.9	8.0	25.7	25.7	87.7	87.0	6.2	6.2	1.1	1.1	4.0	4.4								
										1.0	25.4			8.0		25.7		86.3		6.1		1.1		4.2									
	Middle	-		-				-	-	-	-	-	-	-	-	-	-	-	-	-													
		-		-					-		-		-		-		-		-														
	Bottom	4.4		26.1				25.8	7.9	7.9	25.4	25.6	88.1	87.6	6.2	6.2	1.1	6.2	1.1	4.5													
		4.4		25.4					7.9		25.7		87.0		6.2		1.1		4.8														
	M3	Fine		Calm				06:56	8.0	Surface	1.0	25.4	25.4	8.0	8.0	25.5	25.5	87.0	86.2	6.2	6.2	1.6	2.3	3		4							
											1.0	25.3		8.0		25.5		85.3		6.1		1.5		4									
Middle			4.0		25.4	25.4	8.0			8.0	25.6	25.6	86.9	86.2	6.2	6.2	2.1	6.2	2.1	4													
			4.0		25.3		8.0				25.6		85.4		6.1		2.1		4														
Bottom			7.0		25.8	25.6	8.0			8.0	25.5	25.5	88.0	87.1	6.2	6.2	3.1	6.2	3.1	5													
			7.0		25.4		8.0				25.4		86.2		6.1		3.1		5														

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 20 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Fine	Calm	12:15	10.0	Surface	1.0	26.3	26.4	8.0	8.0	19.5	19.5	119.4	119.5	8.7	8.4	1.5	2.5	4.1	4.7
						1.0	26.4		8.0	8.0	19.5		119.6		8.6		1.5		4.3	
					Middle	5.0	26.1	26.2	8.0	8.0	20.1	20.2	112.8	112.9	8.2		2.6		4.4	
						5.0	26.2		8.0	8.0	20.3		112.9		8.1		2.6		4.8	
					Bottom	9.0	26.2	26.3	8.0	8.0	21.7	21.9	115.1	114.6	8.2		3.4		5.4	
						9.0	26.3		8.0	8.0	22.0		114.1		8.1		3.4		5.0	
C2	Fine	Calm	12:32	10.2	Surface	1.0	26.2	26.3	7.9	7.9	18.7	18.7	126.2	126.3	9.2	8.6	1.5	2.6	4.0	4.5
						1.0	26.4		7.9	7.9	18.6		126.4		9.1		1.5		4.3	
					Middle	5.1	26.0	26.2	7.9	8.0	20.6	20.6	111.9	111.9	8.1		2.7		4.5	
						5.1	26.3		8.0	8.0	20.5		111.9		8.0		2.7		4.5	
					Bottom	9.2	26.0	26.2	7.9	8.0	20.8	20.6	111.9	112.0	8.1		3.7		4.7	
						9.2	26.3		8.0	8.0	20.3		112.0		8.0		3.6		5.0	
M1	Fine	Calm	12:23	4.2	Surface	1.0	25.9	26.0	7.9	8.0	21.6	21.5	115.4	115.5	8.3	8.3	2.4	3.2	4.7	4.1
						1.0	26.1		8.0	8.0	21.3		115.6		8.2		2.4		4.3	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-	-	-		-		-		-		-	
					Bottom	3.2	25.8	25.9	7.9	8.0	21.8	21.6	109.4	109.6	7.9		3.9		3.8	
						3.2	26.0		8.0	8.0	21.4		109.7		7.8		3.9		3.5	
M2	Fine	Calm	12:25	5.0	Surface	1.0	25.8	25.8	7.9	8.0	21.3	21.4	110.1	110.1	8.0	8.0	2.5	3.4	4.8	4.6
						1.0	25.8		8.0	8.0	21.4		110.0		8.0		2.5		5.1	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-	-	-		-		-		-		-	
					Bottom	4.0	25.8	25.8	7.9	8.0	22.0	21.7	111.2	111.3	8.0		4.3		4.4	
						4.0	25.8		8.0	8.0	21.3		111.4		8.0		4.2		4.1	
M3	Fine	Calm	12:19	7.0	Surface	1.0	25.2	25.3	7.9	7.9	22.3	22.0	106.2	106.4	7.7	7.3	3.5	4.4	5	4
						1.0	25.4		7.9	7.9	21.6		106.5		7.8		3.5		5	
					Middle	3.5	25.0	25.2	7.9	7.9	24.6	23.9	96.1	96.1	6.9		4.4		4	
						3.5	25.3		7.9	7.9	23.1		96.1		6.8		4.5		4	
					Bottom	6.0	25.1	25.2	8.0	8.0	26.2	26.7	103.5	103.6	7.4		5.3		3	
						6.0	25.3		7.9	8.0	27.1		103.7		7.2		5.4		4	

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 20 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)			
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Calm	08:12	10.2	Surface	1.0	25.1	25.1	8.0	8.0	19.2	19.2	94.1	94.1	7.0	6.8	3.7	4.6	5.1	4.4		
						1.0	25.1		8.0		19.2		94.1		7.0		3.8		4.8			
					Middle	5.1	24.9	25.1	8.0	8.0	24.0	24.2	92.2	91.6	6.7	6.9	4.5	4.6	4.5	4.6	4.3	4.4
						5.1	25.2		8.0		24.4		91.0		6.5		4.5		4.3			
					Bottom	9.2	25.1	25.2	8.0	8.0	26.9	25.9	99.2	96.9	7.0	6.9	5.4	4.6	5.4	4.6	3.5	4.4
						9.2	25.2		8.0		24.8		94.5		6.8		5.4		3.9			
C2	Fine	Calm	07:52	11.0	Surface	1.0	25.7	25.7	8.0	8.0	19.3	19.3	96.6	96.8	7.1	7.1	1.4	2.0	4.0	4.5		
						1.0	25.6		7.9		19.3		96.6		7.1		1.4		4.3			
					Middle	5.5	26.2	26.0	8.0	8.0	20.7	20.0	98.2	97.6	7.1	7.1	2.1	2.0	2.1	2.0	4.6	4.5
						5.5	25.7		7.9		19.3		96.9		7.1		2.2		4.4			
					Bottom	10.0	26.3	26.0	8.0	8.0	20.7	20.0	98.3	97.5	7.1	7.1	2.5	2.0	2.5	2.0	4.8	4.5
						10.0	25.6		7.9		19.3		96.6		7.1		2.5		5.0			
M1	Fine	Calm	08:04	5.4	Surface	1.0	25.7	25.7	8.0	8.0	17.8	17.9	100.5	100.1	7.4	7.4	1.3	1.6	5.1	4.5		
						1.0	25.7		8.0		18.0		99.7		7.4		1.4		4.8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	7.4	-	1.6	-	4.5
						-	-		-		-		-		-		-		-			
					Bottom	4.4	25.7	25.7	8.0	8.0	20.5	20.6	103.1	101.9	7.5	7.4	1.8	1.6	1.8	1.6	4.2	4.5
						4.4	25.7		8.0		20.6		100.6		7.3		1.8		3.8			
M2	Fine	Calm	08:01	5.0	Surface	1.0	25.6	25.6	8.0	8.0	18.6	18.4	93.9	93.8	6.9	6.9	2.4	3.2	4.7	4.1		
						1.0	25.6		8.0		18.1		93.7		6.9		2.3		4.3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.9	-	3.2	-	4.1
						-	-		-		-		-		-		-		-			
					Bottom	4.0	25.6	25.6	8.0	8.0	21.3	20.8	93.9	93.9	6.8	6.9	4.0	6.9	3.9	3.2	3.5	4.1
						4.0	25.6		8.0		20.2		93.8		6.9		3.9		3.8			
M3	Fine	Calm	08:08	7.2	Surface	1.0	25.4	25.5	8.0	8.0	17.6	17.9	98.6	98.6	7.3	6.9	1.6	2.5	5	5		
						1.0	25.5		7.9		18.1		98.6		7.2		1.5		6			
					Middle	3.6	25.3	25.4	8.0	8.0	20.8	21.3	91.0	91.0	6.7	6.7	2.5	2.5	2.5	2.5	5	5
						3.6	25.5		7.9		21.8		91.0		6.5		2.5		5			
					Bottom	6.2	25.3	25.4	8.0	8.0	22.2	22.4	91.6	91.6	6.6	6.7	3.5	6.7	3.5	6.7	4	5
						6.2	25.5		7.9		22.5		91.6		6.7		3.5		4			

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 23 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)		
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	
C1	Cloudy	Rough	14:26	11.6	Surface	1.0	27.1	27.1	7.8	7.8	23.1	23.1	114.0	114.2	8.0	7.8	2.0	2.0	1.9	2.2	
						1.0	27.1		7.8		23.1		114.4		8.0		2.0		2.1		
					Middle	5.8	27.0	27.0	7.8	7.8	23.4	23.4	107.8	107.9	7.5		1.4		2.6		
						5.8	27.0		7.8		23.4		108.0		7.6		1.5		1.6		
					Bottom	10.6	25.9	25.9	7.7	7.7	27.3	27.3	84.0	84.2	5.9		5.9		2.6		2.6
						10.6	25.9		7.7		27.3		84.3		5.9				2.6		2.2
C2	Cloudy	Rough	14:34	11.1	Surface	1.0	27.1	27.1	7.8	7.8	23.5	23.4	108.5	108.7	7.6	7.2	1.5	1.7	2.0	2.1	
						1.0	27.1		7.8		23.3		108.8		7.6		1.4		1.5		
					Middle	5.6	26.6	26.6	7.7	7.7	24.7	24.7	95.3	95.4	6.7		1.6		2.0		
						5.6	26.6		7.7		24.7		95.5		6.7		1.5		2.6		
					Bottom	10.1	25.8	25.8	7.7	7.7	27.4	27.4	82.9	83.0	5.8		5.8		2.2		2.1
						10.1	25.8		7.7		27.4		83.1		5.8				2.2		2.6
M1	Cloudy	Moderate	14:51	5.8	Surface	1.0	27.1	27.1	7.8	7.8	23.7	23.7	114.4	114.5	8.0	8.0	2.6	2.9	2.0	2.0	
						1.0	27.1		7.8		23.7		114.6		8.0		2.6		2.3		
					Middle	-	-	-	-	-	-	-	-	-	-		-		-		
						-	-		-		-		-		-		-		-		
					Bottom	4.8	26.9	26.9	7.8	7.8	24.4	24.4	106.4	106.5	7.4		7.4		3.3		1.8
						4.8	26.9		7.8		24.4		106.6		7.4				3.2		1.8
M2	Cloudy	Moderate	14:47	4.9	Surface	1.0	27.1	27.1	7.8	7.8	23.6	23.6	110.5	110.8	7.7	7.8	2.5	3.0	1.7	1.7	
						1.0	27.1		7.8		23.6		111.0		7.8		2.5		1.7		
					Middle	-	-	-	-	-	-	-	-	-	-		-		-		
						-	-		-		-		-		-		-		-		
					Bottom	3.9	26.4	26.4	7.7	7.7	25.9	25.9	90.1	90.2	6.3		6.3		3.5		2.0
						3.9	26.4		7.7		25.9		90.3		6.3				3.5		1.4
M3	Cloudy	Rough	14:42	7.1	Surface	1.0	27.0	27.1	7.8	7.8	23.7	23.7	112.4	112.5	7.8	7.5	3.0	4.7	2	2	
						1.0	27.1		7.8		23.6		112.6		7.9		2.9		2		
					Middle	3.6	26.7	26.7	7.7	7.7	24.7	24.7	100.8	101.0	7.0		3.5		2		
						3.6	26.7		7.7		24.7		101.1		7.1		3.4		3		
					Bottom	6.1	26.2	26.2	7.7	7.7	26.3	26.3	88.2	88.4	6.2		6.2		7.8		3
						6.1	26.2		7.7		26.3		88.5		6.2				7.7		4

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 23 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)			
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	07:39	9.9	Surface	1.0	26.6	26.7	7.7	7.7	24.2	24.2	106.0	106.2	7.4	7.0	1.2	2.0	1.9	1.7		
						1.0	26.7		7.7		24.2		106.3		7.4		1.1		1.5			
					Middle	5.0	26.1	26.1	7.7	7.7	26.7	26.7	95.0	95.0	6.6	6.7	2.3	6.7	2.3		2.0	1.8
						5.0	26.1		7.7		26.7		95.0		6.6		2.3		1.8			
					Bottom	8.9	26.0	26.0	7.7	7.7	27.3	27.4	95.7	95.7	6.7	6.7	2.6	6.7	2.6		6.7	1.6
						8.9	25.9		7.7		27.4		95.6		6.7		2.5		1.8			
C2	Rainy	Moderate	07:04	10.2	Surface	1.0	25.6	25.6	7.8	7.8	28.4	28.4	98.9	99.0	6.9	6.9	1.5	2.7	1.7	1.9		
						1.0	25.6		7.8		28.4		99.1		6.9		1.5		1.7			
					Middle	5.1	25.4	25.5	7.8	7.8	28.7	28.7	97.0	97.2	6.8	6.6	2.6	6.6	2.6		6.6	1.8
						5.1	25.5		7.8		28.6		97.3		6.8		2.6		1.9			
					Bottom	9.2	25.2	25.2	7.8	7.8	29.4	29.4	94.6	94.6	6.6	6.6	3.9	6.6	3.9		6.6	2.1
						9.2	25.2		7.8		29.4		94.6		6.6		3.8		2.1			
M1	Rainy	Moderate	07:24	4.8	Surface	1.0	26.4	26.5	7.7	7.7	24.3	24.3	107.5	107.6	7.6	7.6	1.4	1.8	2.0	1.6		
						1.0	26.5		7.7		24.3		107.7		7.6		1.3		1.4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
						-	-		-		-		-		-		-		-			
					Bottom	3.8	26.3	26.3	7.7	7.7	26.4	26.4	101.0	100.9	7.0	7.0	2.2	7.0	2.2		7.0	1.6
						3.8	26.2		7.7		26.4		100.7		7.0		2.2		1.5			
M2	Rainy	Moderate	07:18	4.1	Surface	1.0	25.7	25.7	7.8	7.8	28.2	28.2	100.9	101.0	7.0	7.0	1.6	2.0	1.7	1.9		
						1.0	25.7		7.8		28.2		101.0		7.0		1.6		2.1			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
						-	-		-		-		-		-		-		-			
					Bottom	3.1	25.5	25.5	7.8	7.8	28.5	28.5	99.4	99.4	6.9	6.9	2.4	6.9	2.4		6.9	1.5
						3.1	25.5		7.8		28.5		99.4		6.9		2.4		2.1			
M3	Rainy	Moderate	07:33	6.9	Surface	1.0	26.7	26.7	7.7	7.7	24.5	24.4	108.1	108.2	7.5	7.3	2.0	2.1	2	2		
						1.0	26.7		7.7		24.3		108.2		7.6		2.0		2			
					Middle	3.5	26.4	26.4	7.7	7.7	25.7	25.7	101.2	101.2	7.1	6.9	1.2	6.9	1.2		6.9	2
						3.5	26.4		7.7		25.7		101.2		7.1		1.2		2			
					Bottom	5.9	26.1	26.1	7.7	7.7	26.6	26.7	99.1	99.1	6.9	6.9	3.0	6.9	3.0		6.9	2
						5.9	26.1		7.7		26.7		99.0		6.9		2.9		2			

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 25 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Fine	Calm	15:41	10.0	Surface	1.0	26.7	26.8	8.0	8.0	28.7	28.7	98.1	97.7	6.7	6.7	1.2	1.3	1.7	2.2
						1.0	26.8		8.0		28.6		97.3		6.6		1.2		1.6	
					Middle	5.0	26.7	26.8	8.0	8.0	29.1	28.9	98.6	98.1	6.7		1.4		2.1	
						5.0	26.8		8.0		28.7		97.5		6.6		1.3		2.4	
					Bottom	9.0	26.6	26.7	8.0	8.0	29.2	28.9	98.9	98.5	6.7		1.4		2.8	
						9.0	26.8		8.0		28.6		98.0		6.7		1.4		2.6	
C2	Fine	Calm	15:58	10.2	Surface	1.0	26.7	26.8	8.0	8.0	28.6	27.8	98.9	98.7	6.8	6.8	0.8	1.2	1.4	1.8
						1.0	26.8		8.0		26.9		98.5		6.8		0.9		1.2	
					Middle	5.1	26.6	26.7	8.0	8.0	29.0	29.0	98.9	98.8	6.7		1.1		1.8	
						5.1	26.7		8.0		28.9		98.6		6.7		1.1		1.9	
					Bottom	9.2	26.6	26.7	8.0	8.0	29.5	29.2	98.9	98.9	6.7		1.7		2.0	
						9.2	26.7		8.0		28.8		98.9		6.7		1.8		2.4	
M1	Fine	Calm	15:49	5.8	Surface	1.0	27.4	27.3	8.0	8.0	26.1	26.0	98.7	101.2	6.8	7.0	1.2	1.6	2.2	1.9
						1.0	27.2		8.0		25.9		103.6		7.1		1.1		2.1	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-		-	
					Bottom	4.8	27.6	27.5	8.0	8.0	27.9	27.5	99.0	98.9	6.7		2.1		1.6	
						4.8	27.3		8.0		27.0		98.7		6.7		2.1		1.8	
M2	Fine	Calm	15:52	5.8	Surface	1.0	27.0	27.0	8.0	8.0	27.6	27.5	99.3	99.7	6.8	6.8	1.2	1.3	3.6	2.8
						1.0	27.0		8.0		27.4		100.0		6.8		1.2		3.1	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-		-	
					Bottom	4.8	27.0	27.0	8.0	8.0	28.8	28.2	99.1	99.3	6.7		1.3		2.2	
						4.8	27.0		8.0		27.5		99.5		6.8		1.4		2.4	
M3	Fine	Calm	15:46	6.8	Surface	1.0	27.2	27.1	8.0	8.0	27.4	27.7	98.6	98.7	6.7	6.7	1.1	1.2	2	2
						1.0	27.0		8.0		27.9		98.7		6.7		1.1		2	
					Middle	3.4	27.2	27.1	8.0	8.0	27.9	28.0	98.5	98.6	6.7		1.2		2	
						3.4	27.0		8.0		28.0		98.6		6.7		1.2		2	
					Bottom	5.8	27.2	27.2	8.0	8.0	28.1	27.9	98.5	98.7	6.7		1.3		3	
						5.8	27.1		8.0		27.7		98.8		6.7		1.3		2	

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 25 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Fine	Calm	05:39	11.0	Surface	1.0	26.9	27.0	8.0	8.0	25.7	26.1	102.9	102.9	7.1	6.9	0.9	1.0	1.6	2.6
						1.0	27.1		8.0		26.5		102.9		7.0		0.9		1.8	
					Middle	5.5	26.8	27.0	8.0	8.0	28.1	27.5	98.8	98.8	6.7		1.0		2.3	
						5.5	27.1		8.0		26.9		98.8		6.8		0.9		2.5	
					Bottom	10.0	26.9	27.0	8.0	8.0	28.5	27.8	98.8	98.8	6.7		1.0		3.5	
						10.0	27.0		8.0		27.1		98.8		6.8		1.0		4.0	
C2	Fine	Calm	05:20	10.8	Surface	1.0	26.9	27.1	8.0	8.1	27.1	26.8	102.4	102.4	7.0	6.9	1.7	1.9	1.5	2.2
						1.0	27.2		8.1		26.4		102.4		6.9		1.7		1.7	
					Middle	5.4	26.9	27.1	8.0	8.0	27.5	27.0	98.3	98.3	6.7		1.8		2.4	
						5.4	27.2		8.0		26.5		98.3		6.8		1.8		2.1	
					Bottom	9.8	26.9	27.0	8.0	8.0	28.7	27.7	98.6	98.6	6.7		2.3		2.7	
						9.8	27.1		8.0		26.7		98.6		6.8		2.2		2.6	
M1	Fine	Calm	05:28	5.2	Surface	1.0	27.3	27.3	8.0	8.0	25.3	25.4	99.5	100.1	6.8	6.9	1.4	1.6	2.4	2.6
						1.0	27.3		8.0		25.4		100.7		6.9		1.4		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-		-	
					Bottom	4.2	27.4	27.4	8.0	8.0	26.2	25.9	99.2	99.6	6.8		1.8		2.7	
						4.2	27.3		8.0		25.5		100.0		6.9		1.7		3.2	
M2	Fine	Calm	05:31	4.2	Surface	1.0	27.1	27.2	8.0	8.0	25.1	25.2	102.9	103.2	7.1	7.1	1.4	1.4	1.7	2.3
						1.0	27.3		8.0		25.2		103.4		7.1		1.3		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-		-	
					Bottom	3.2	27.0	27.1	8.0	8.0	25.3	25.3	99.3	100.9	6.9		1.5		2.7	
						3.2	27.2		8.0		25.3		102.4		7.1		1.4		3.0	
M3	Fine	Calm	05:35	7.4	Surface	1.0	26.5	26.8	8.0	8.0	26.4	26.2	102.2	102.2	7.1	7.1	1.1	1.2	1	2
						1.0	27.1		8.0		26.0		102.1		7.0		1.1		1	
					Middle	3.7	26.3	26.7	8.0	8.0	26.9	26.7	101.8	102.0	7.1		1.2		2	
						3.7	27.0		8.0		26.5		102.1		7.0		1.2		2	
					Bottom	6.4	26.2	26.5	8.0	8.0	28.2	28.4	101.7	102.1	7.0		1.2		2	
						6.4	26.8		8.0		28.5		102.4		7.0		1.2		2	

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 27 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)		
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	
C1	Fine	Calm	16:41	10.2	Surface	1.0	27.0	27.0	8.0	8.0	24.0	23.9	118.3	118.3	8.2	8.0	1.1	1.4	2.1	1.9	
						1.0	27.0		8.0		23.8		118.3		8.2		1.0		1.9		
					Middle	5.1	27.0	27.0	8.0	8.0	24.3	24.3	112.7	112.5	7.8		1.1		1.9		
						5.1	27.0		8.0		24.2		112.3		7.8		1.1		1.8		
					Bottom	9.2	27.0	27.0	8.0	8.0	24.0	24.0	109.7	109.9	7.6		7.6		1.9		1.6
						9.2	27.0		8.0		23.9		110.0		7.6				2.0		1.9
C2	Fine	Calm	16:57	10.4	Surface	1.0	26.6	26.6	8.0	8.0	24.1	24.8	115.9	115.9	8.1	7.9	1.1	1.2	2.2	2.2	
						1.0	26.5		8.0		25.5		115.9		8.1		1.0		2.2		
					Middle	5.2	26.7	26.6	8.0	8.0	26.2	26.1	111.1	111.2	7.7		7.9		1.1		2.1
						5.2	26.5		8.0		26.0		111.3		7.7				1.2		2.6
					Bottom	9.4	26.9	26.8	8.0	8.0	26.2	26.0	111.2	111.1	7.7		7.7		1.4		1.9
						9.4	26.6		8.0		25.8		111.0		7.7				1.4		2.0
M1	Fine	Calm	16:51	4.6	Surface	1.0	27.1	27.2	8.1	8.1	23.8	23.9	123.6	123.5	8.6	8.6	1.2	1.7	1.4	1.8	
						1.0	27.2		8.1		23.9		123.4		8.5		1.3		2.0		
					Middle	-	-	-	-	-	-	-	-	-	-		-		-		-
						-	-		-		-		-		-				-		-
					Bottom	3.6	27.1	27.2	8.1	8.1	24.0	24.0	120.7	120.6	8.4		8.4		2.1		1.5
						3.6	27.2		8.1		23.9		120.5		8.4				2.1		2.2
M2	Fine	Calm	16:48	4.8	Surface	1.0	27.1	27.1	8.1	8.1	24.5	24.6	119.8	119.8	8.3	8.3	1.2	1.7	1.9	1.9	
						1.0	27.1		8.1		24.7		119.7		8.3		1.2		1.8		
					Middle	-	-	-	-	-	-	-	-	-	-		-		-		-
						-	-		-		-		-		-				-		-
					Bottom	3.8	27.0	27.1	8.1	8.1	24.7	24.7	116.2	116.2	8.1		8.1		2.2		2.0
						3.8	27.1		8.1		24.6		116.2		8.0				2.3		2.0
M3	Fine	Calm	16:45	7.0	Surface	1.0	27.0	27.0	8.1	8.1	24.1	24.3	123.3	123.4	8.6	8.3	1.1	2.1	2	2	
						1.0	27.0		8.0		24.4		123.4		8.6		1.1		2		
					Middle	3.5	26.9	27.0	8.0	8.0	24.5	24.5	114.7	114.7	8.0		8.3		2.3		2
						3.5	27.0		8.0		24.4		114.6		7.9				2.2		2
					Bottom	6.0	27.0	27.1	8.1	8.1	24.2	24.1	112.4	112.3	7.8		7.8		3.0		1
						6.0	27.2		8.0		24.0		112.2		7.8				3.1		2

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 27 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)		
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	
C1	Fine	Calm	07:22	11.0	Surface	1.0	27.1	27.1	7.9	7.9	23.5	23.6	116.8	116.8	8.1	8.0	1.1	1.2	1.1	1.7	
						1.0	27.0		7.9		23.7		116.8		8.1		1.1		1.8		
					Middle	5.5	27.1	27.1	7.9	7.9	23.6	23.6	112.5	112.5	7.8	7.8	1.1	1.3	1.1	1.6	1.8
						5.5	27.1		7.9		23.6		112.4		7.8		1.1		1.6		
					Bottom	10.0	27.1	27.1	7.9	7.9	23.6	23.6	112.0	112.1	7.8	7.8	1.3	1.3	1.3	1.7	1.9
						10.0	27.1		7.9		23.5		112.2		7.8		1.3		1.7		
C2	Fine	Calm	07:06	10.6	Surface	1.0	26.8	26.8	7.9	7.9	24.3	24.3	106.7	106.7	7.5	7.4	1.1	1.3	1.6	1.7	
						1.0	26.8		7.9		24.3		106.7		7.4		1.0		1.5		
					Middle	5.3	26.7	26.8	7.9	7.9	24.4	24.4	106.2	106.2	7.4	7.3	1.1	1.3	1.1	1.6	2.2
						5.3	26.8		7.9		24.3		106.1		7.4		1.1		1.7		
					Bottom	9.6	26.8	26.8	7.9	7.9	24.4	24.3	105.0	104.9	7.3	7.3	1.7	1.3	1.7	1.6	1.3
						9.6	26.8		7.9		24.2		104.8		7.3		1.7		1.6		
M1	Fine	Calm	07:11	4.8	Surface	1.0	27.1	27.2	8.0	8.0	23.3	23.3	115.8	115.4	8.1	8.1	1.6	1.8	1.5	1.4	
						1.0	27.2		8.0		23.3		115.0		8.0		1.6		1.3		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-		-		-		-		-		-		-		
					Bottom	3.8	27.0	27.1	8.0	8.0	23.5	23.4	109.9	109.9	7.7	7.7	2.0	1.8	2.0	1.6	1.1
						3.8	27.2		8.0		23.3		109.8		7.6		2.1		1.6		
M2	Fine	Calm	07:15	4.2	Surface	1.0	27.1	27.1	8.0	8.0	24.0	24.0	114.1	114.2	7.9	7.9	2.1	2.8	1.6	1.5	
						1.0	27.1		8.0		24.0		114.2		7.9		2.1		1.3		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-		-		-		-		-		-		-		
					Bottom	3.2	27.0	27.1	8.0	8.0	24.0	24.0	110.5	111.0	7.7	7.7	3.5	1.6	3.5	1.5	1.4
						3.2	27.1		8.0		24.0		111.5		7.7		3.6		1.5		
M3	Fine	Calm	07:18	7.2	Surface	1.0	27.0	27.0	8.0	8.0	24.0	24.0	123.6	123.4	8.6	8.5	1.3	1.6	1	2	
						1.0	27.0		8.0		23.9		123.1		8.6		1.3		2		
					Middle	3.6	26.9	27.0	8.0	8.0	24.1	24.0	120.5	120.8	8.4	8.0	1.4	1.6	1.4	1.6	2
						3.6	27.0		8.0		23.9		121.0		8.4		1.4		2		
					Bottom	6.2	26.9	27.0	8.0	8.0	24.2	24.0	114.9	114.5	8.0	8.0	2.0	1.6	2.0	1.6	2
						6.2	27.0		8.0		23.8		114.0		7.9		2.0		2		

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

**Airport City Link
Water Quality Monitoring**

Water Quality Monitoring Results on 30 May 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA
C1	Misty	Calm	10:46	11.0	Surface	1.0	28.0	28.0	8.1	8.1	24.2	24.2	102.8	102.8	7.0	6.9	2.0	3.2	2.4	1.9
						1.0	28.0		8.1		24.1		102.8		7.0		2.1		2.3	
					Middle	5.5	28.0	28.0	8.0	8.1	24.3	24.2	99.5	99.5	6.8		3.4		2.4	
						5.5	28.0		8.1		24.0		99.5		6.8		3.3		2.1	
					Bottom	10.0	28.0	28.0	8.0	8.0	24.3	24.1	100.5	100.5	6.8		4.1		1.0	
						10.0	28.0		8.0		23.9		100.5		6.8		4.0		1.3	
C2	Misty	Calm	10:28	9.0	Surface	1.0	28.0	28.0	8.1	8.1	24.2	24.2	98.0	98.0	6.7	6.7	1.0	1.5	1.4	2.0
						1.0	28.0		8.1		24.1		98.0		6.7		0.9		2.0	
					Middle	4.5	28.0	28.0	8.1	8.1	24.2	24.2	97.7	97.7	6.6		1.1		2.6	
						4.5	28.0		8.1		24.1		97.7		6.6		1.1		2.1	
					Bottom	8.0	28.0	28.0	8.1	8.1	24.2	24.2	98.1	98.1	6.7		2.4		1.8	
						8.0	28.0		8.1		24.1		98.1		6.7		2.4		1.8	
M1	Misty	Calm	10:34	4.6	Surface	1.0	28.0	28.0	7.9	7.9	24.1	24.0	103.7	104.3	7.0	7.1	2.0	2.5	2.0	1.9
						1.0	28.0		7.9		23.8		104.8		7.1		1.9		2.6	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-			
					Bottom	3.6	28.0	28.0	8.0	8.0	24.2	24.1	103.6	103.9	7.0		3.1		1.7	
						3.6	28.0		8.0		23.9		104.1		7.1		3.0		1.4	
M2	Misty	Calm	10:36	4.8	Surface	1.0	28.0	28.0	8.1	8.1	24.4	24.3	103.3	103.6	7.0	7.1	1.2	1.4	1.7	2.4
						1.0	28.0		8.1		24.2		103.8		7.1		1.1		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-		-		-	
						-	-		-		-		-		-		-			
					Bottom	3.8	28.0	28.0	8.1	8.1	24.4	24.4	103.2	103.4	7.0		1.7		3.2	
						3.8	28.0		8.1		24.4		103.6		7.0		1.7		3.1	
M3	Misty	Calm	10:39	6.2	Surface	1.0	27.9	27.9	8.1	8.1	24.8	24.9	97.2	97.0	6.6	6.6	1.2	2.5	4	2
						1.0	27.9		8.1		24.9		96.7		6.6		1.1		<1.0	
					Middle	3.1	27.9	27.9	8.1	8.1	24.9	24.9	97.2	97.2	6.6		2.6		2	
						3.1	27.9		8.1		24.9		97.2		6.6		2.5		2	
					Bottom	5.2	27.9	27.9	8.1	8.1	24.9	24.9	97.5	97.6	6.6		3.7		2	
						5.2	27.9		8.1		24.8		97.6		6.6		3.7		2	

DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

**Airport City Link
Water Quality Monitoring**

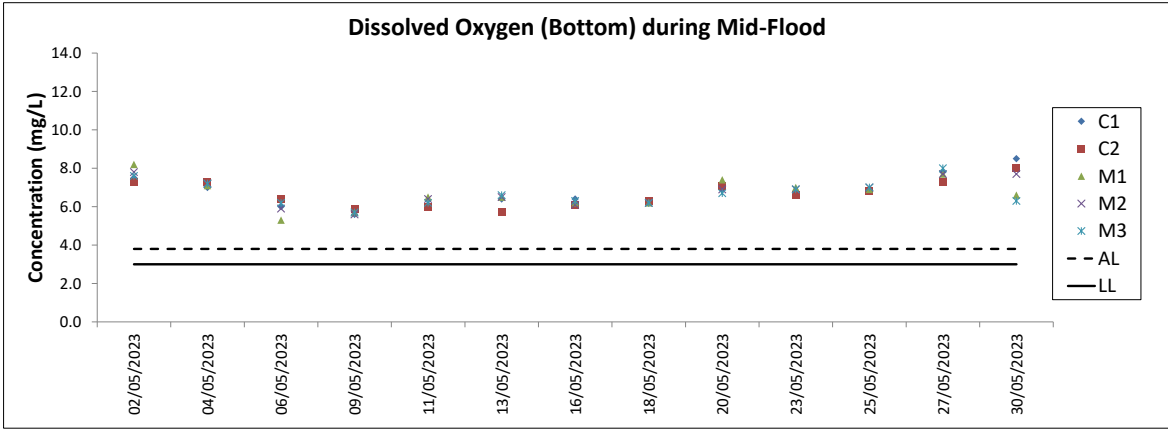
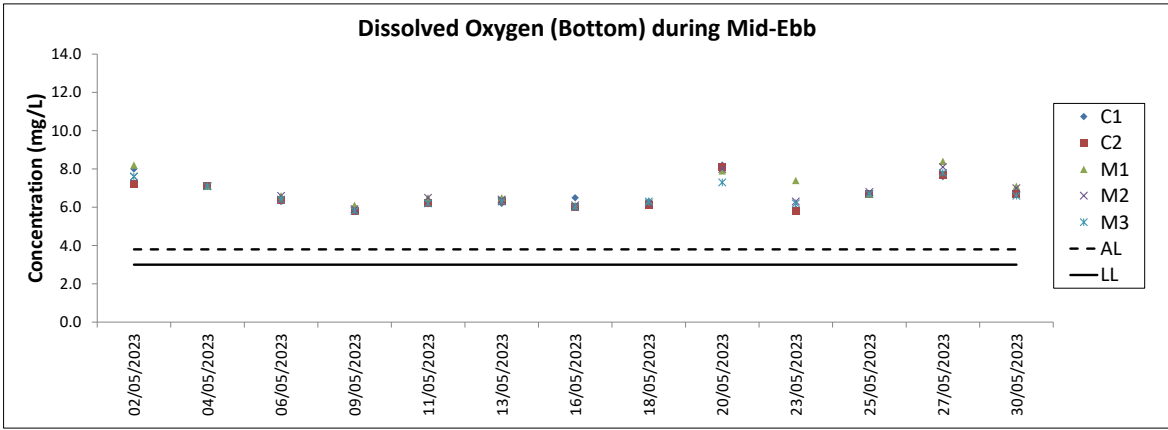
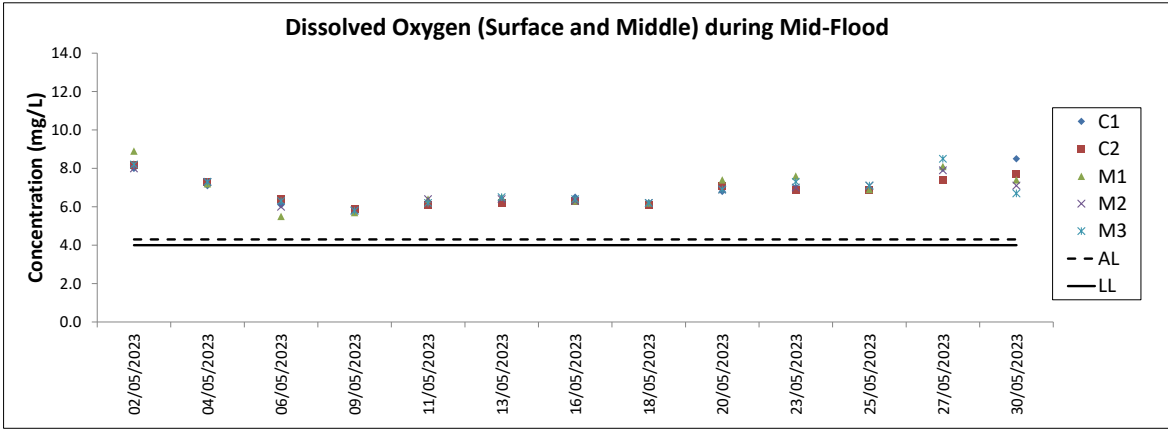
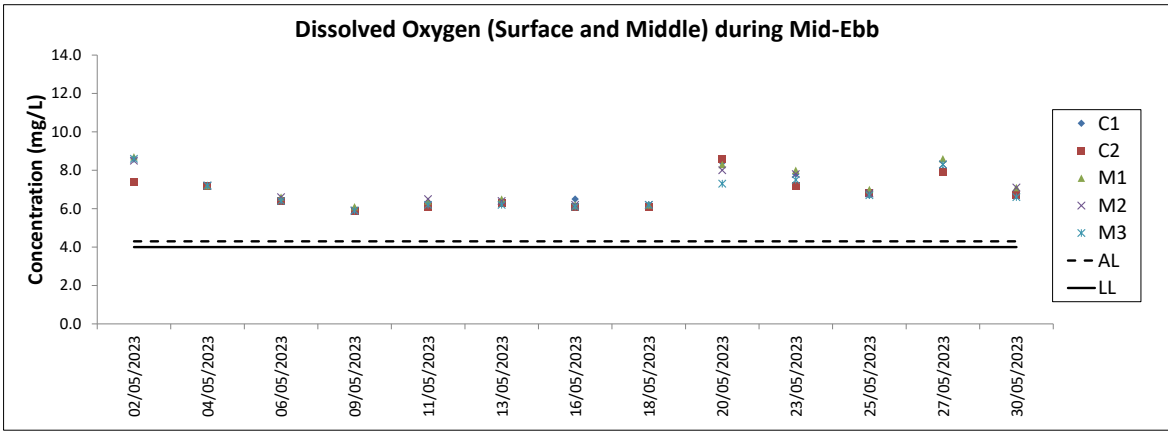
Water Quality Monitoring Results on 30 May 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)						
							Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Misty	Calm	15:03	10.0	Surface	1.0	28.4	28.4	8.2	8.2	24.7	24.6	128.6	128.6	8.6	8.5	1.0	1.3	1.0	1.9					
						1.0	28.3		8.2		24.5		128.6		8.7		1.1		1.7						
					Middle	5.0	28.2	28.4	8.2	8.2	25.1	25.0	124.0	124.0	8.3	8.5	1.3	1.3	2.2						
						5.0	28.5		8.2		24.9		124.0		8.3		1.3		2.2						
					Bottom	9.0	28.3	28.5	8.2	8.2	25.0	25.4	126.9	126.9	8.5	8.5	1.5	1.4	2.0						
						9.0	28.6		8.2		25.8		126.9		8.4		1.4		2.4						
					C2	Misty	Calm	15:18	10.2	Surface	1.0	27.9	28.0	8.1	8.1	25.6	25.6	122.0	122.0	8.2	7.7	1.0	1.2	2.4	2.1
											1.0	28.0		8.1		25.5		122.0		8.2		1.0		2.2	
Middle	5.1	28.1	28.1	8.1						8.1	25.2	25.4	108.9	108.1	7.3	8.0	1.1	1.2	2.3						
	5.1	28.0		8.1							25.5		107.2		7.2		1.1		2.3						
Bottom	9.2	28.3	28.2	8.1						8.1	25.0	25.3	117.9	118.1	7.9	8.0	1.5	1.4	1.3						
	9.2	28.0		8.1							25.5		118.3		8.0		1.4		2.1						
M1	Misty	Calm	15:10	5.8	Surface	1.0	27.8	27.9	8.1	8.1	25.9	25.7	110.1	110.1	7.4	7.4	4.4	4.9	1.6	1.4					
						1.0	28.0		8.1		25.5		110.1		7.4		4.5		1.8						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-		-		-		-		-		-		-						
					Bottom	4.8	27.8	27.9	8.0	8.0	26.2	25.9	98.2	98.2	6.6	6.6	5.4	6.6	1.2						
						4.8	28.0		8.0		25.6		98.2		6.6		5.3		1.1						
M2	Misty	Calm	15:12	5.8	Surface	1.0	28.3	28.4	8.1	8.1	24.8	24.7	106.0	106.0	7.1	7.1	4.9	5.3	1.2	1.5					
						1.0	28.5		8.0		24.6		106.0		7.1		4.9		1.4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-		-		-		-		-		-		-						
					Bottom	4.8	28.3	28.4	8.1	8.1	24.9	24.8	114.8	114.8	7.7	7.7	5.7	7.7	1.5						
						4.8	28.4		8.0		24.7		114.8		7.7		5.7		1.7						
M3	Misty	Calm	15:06	6.8	Surface	1.0	27.6	27.7	8.1	8.1	26.3	26.3	108.4	109.6	7.3	6.7	1.1	1.8	1	2					
						1.0	27.7		8.1		26.2		110.7		7.5		1.1		2						
					Middle	3.4	27.5	27.6	8.1	8.1	26.9	26.6	89.1	89.9	6.0	6.3	1.6	1.8	1						
						3.4	27.7		8.1		26.2		90.6		6.1		1.7		2						
					Bottom	5.8	27.5	27.6	8.1	8.1	27.0	26.6	91.8	93.0	6.2	6.3	2.7	6.3	3						
						5.8	27.7		8.1		26.2		94.1		6.3		2.4		2						

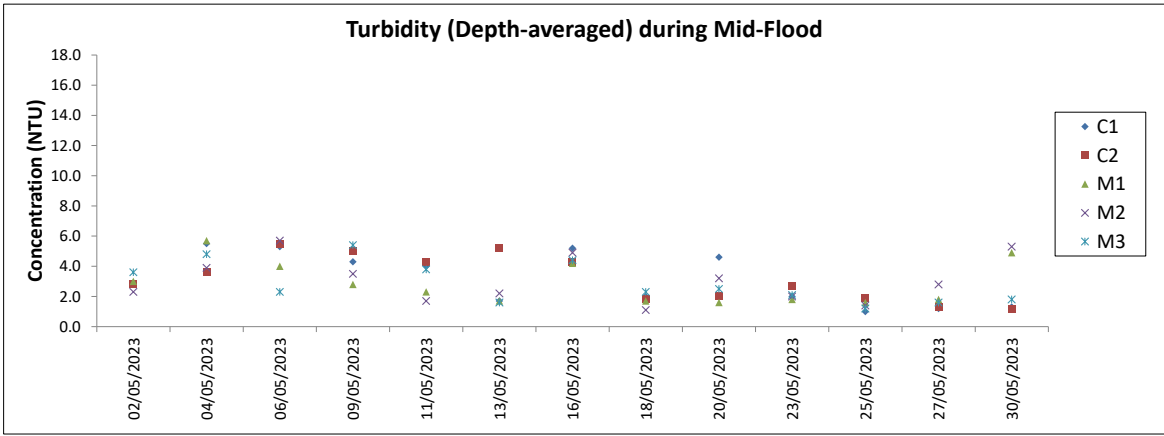
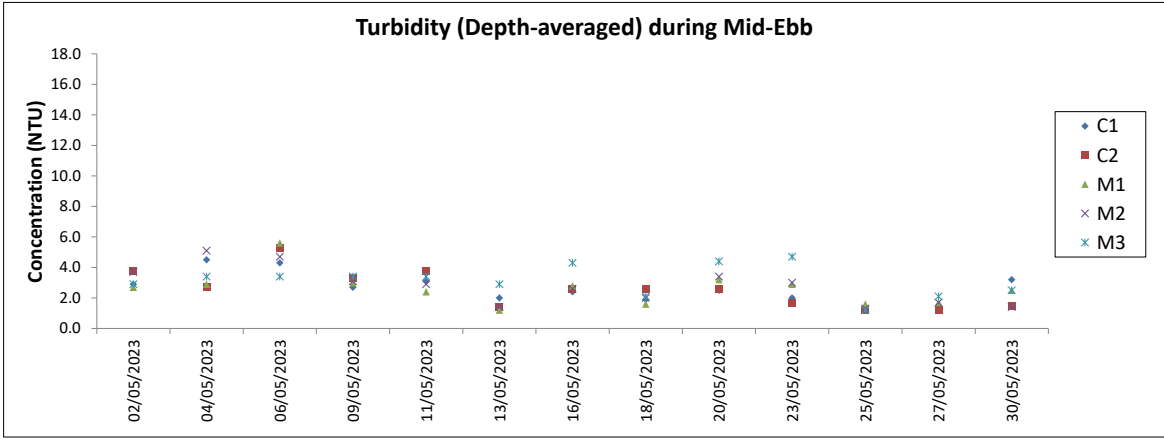
DA: Depth-averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

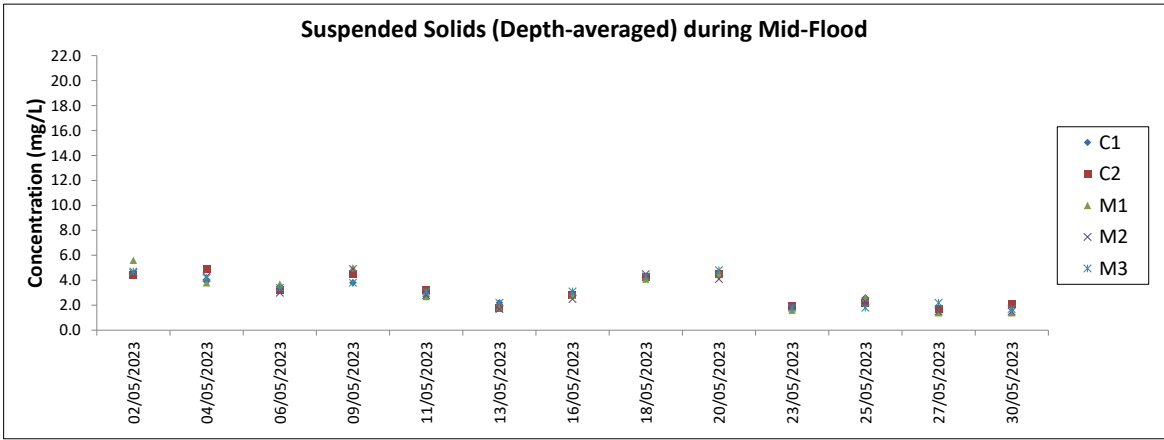
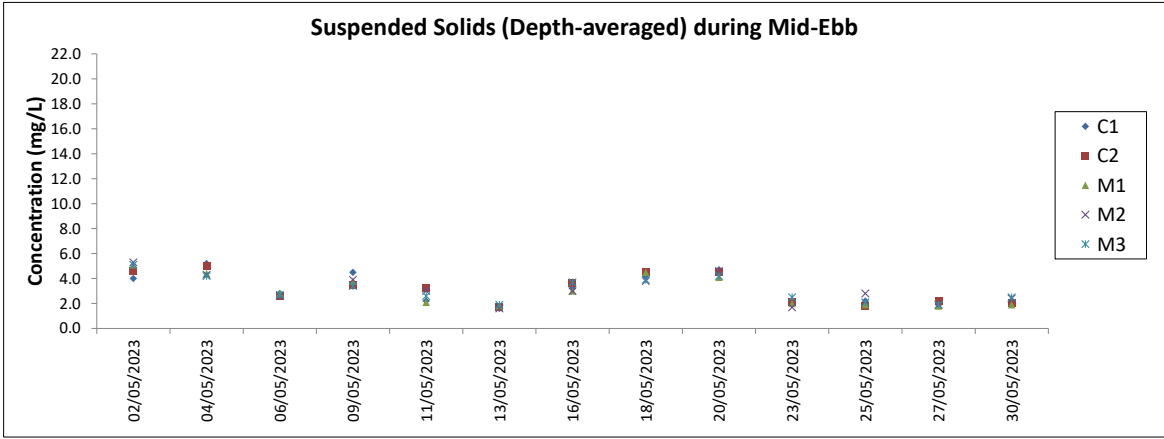
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**



Note: The Action and Limit Level of dissolved oxygen can be referred to Table 2.3 of the monthly EM&A report.
 Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
 Weather conditions during monitoring are presented in the data tables above.
 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.



Note: The Action and Limit Level of turbidity can be referred to Table 2.3 of the monthly EM&A report.
 Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
 Weather conditions during monitoring are presented in the data tables above.
 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.



Note: The Action and Limit Level of suspended solids can be referred to Table 2.3 of the monthly EM&A report.
 Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
 Weather conditions during monitoring are presented in the data tables above.
 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Appendix H. Waste Flow Table

Marine Section

AAHK Supplemental Contract No. C19W10/01 Airport City Link - Marine Portion
Monthly Waste Flow Table

Month	Excavated Waste (tonnes)	Actual Quantities of Inert C&D Materials (excluding excavated waste) (tonnes) e.g. broken concrete					Actual Quantities of Non-inert C&D Waste (tonnes)					(k) Total recyclable waste (k) = (b) + (c) + (d) + (f) + (g)	(l) Total construction waste generated (l) = (a) + (j)
		(a) Total inert C&D material generated (a) = (b) + (c) + (d) + (e)	(b) Reused in contract	(c) Reused in other projects	(d) Sent to recycling company	(e) Disposed to public fill	(f) Recycled scrap metal	(g) Reused / recycled timber	(h) Chemical waste	(i) Other waste disposed to landfill	(j) Total non-inert C&D material generated (j) = (f) + (g) + (h) + (i)		
Apr-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jul-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug-22	2591.67	2591.67	0.00	0.00	1584.00	1007.67	0.00	0.00	0.00	0.00	0.00	1584.00	2591.67
Sep-22	1340.00	1340.00	0.00	0.00	1340.00	0.00	0.00	0.00	0.36	0.00	0.36	1340.00	1340.36
Oct-22	1385.00	1385.00	0.00	0.00	1385.00	0.00	0.00	0.00	0.00	0.00	0.00	1385.00	1385.00
Nov-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan-23	1814.47	1814.47	0.00	0.00	1814.47	0.00	0.00	0.00	0.36	0.00	0.36	1814.47	1814.83
Feb-23	761.45	761.45	0.00	0.00	0.00	761.45	0.00	0.00	0.00	0.00	0.00	0.00	761.45
Mar-23	939.46	939.46	0.00	0.00	939.46	0.00	0.00	0.25	0.00	0.25	939.46	939.71	
Apr-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	8832.05	8832.05	0.00	0.00	7062.93	1769.12	0.00	0.00	0.97	0.00	0.97	7062.93	8833.02

*Chemical waste, Wasted oil density 0.9kg/L

Land Section

AAHK Supplemental Contract No. C21W18 Airport City Link - Land Portion
Monthly Waste Flow Table

Year	Month	Actual Quantities of Inert Construction Waste Generated Monthly			Actual Quantities of Non-inert Construction Waste Generated Monthly					
		(a)=(b)+(c)	(b)	(c)	Recycled	Recycled	Recycled	Recycled	Chemical Waste	General Refuse disposed of at Landfill
		Total Quantity Generated	Reused in other Projects	Disposed of as Public Fill	Timber	Metals	Paper/ cardboard	Plastic		
		(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)
2023	Jan	-	-	-	-	-	-	-	-	-
	Feb	754.38	0	754.38	0	0.017	0.129	0.038	0	22.27
	Mar	1464.86	0	1464.86	0	0.014	0.087	0.024	0	13.51
	Apr	1005.98	0	1005.98	0	0.007	0.025	0.013	0	11.94
	May	1723.58	0	1723.58	0	0.008	0.039	0.018	0	14.46
	Jun									
	Sub-total	4948.8	0	4948.8	0	0.046	0.28	0.093	0	62.18
Total	4948.80	0.00	4948.80	0.00	0.05	0.28	0.09	0.00	62.18	

Appendix I. Status of Environmental Permits and Licences

Table I.1: Summary of Environmental Licenses and Permits - Marine Section (May 2023)

Type of Licence / Permit	Reference No.	Valid From	Valid Until	Remark
Environmental Permit	EP-581/2020	5 Oct 2020	End of Project	N/A
Billing Account for Disposal of Construction Waste	7043487	18 Mar 2022	End of Project	N/A
Construction Dust Notification under APCO	477560	10 Mar 2022	N/A	N/A
Construction Noise Permit	GW-RS0106-23	16 Feb 2023	14 Aug 2023	N/A
	GW-RS0246-23	28 Mar 2023	27 Sep 2023	N/A
	GW-RS0418-23	27 May 2023	25 Nov 2023	N/A
Chemical Waste Producer	5213-951-G2961-01	19 Apr 2022	End of Project	N/A
Marine Dumping (Type 1 – Open Sea Disposal)	EP/MD/23-080	30 Dec 2022	31 May 2023	N/A

Table I.2: Summary of Environmental Licenses and Permits - Land Section (May 2023)

Type of Licence / Permit	Reference No.	Valid From	Valid Until	Remark
Environmental Permit	EP-581/2020	5 Oct 2020	End of Project	N/A
Billing Account for Disposal of Construction Waste	7044291	27 Jun 2022	End of Project	N/A
Construction Dust Notification under APCO	480843	10 Jun 2022	N/A	N/A
Construction Noise Permit	GW-RS0186-23	10 Mar 2023	9 Sep 2023	N/A
	GW-RS0424-23	31 May 2023	30 Nov 2023	N/A
Chemical Waste Producer	5213-951-C1169-68	23 Jun 2022	End of Project	N/A
Water Discharge License	WT00042879-2022	4 Jan 2023	31 Jan 2028	N/A
	WT00042680-2022	9 Jan 2023	31 Jan 2028	N/A

Appendix J. Environmental Mitigation Measures Implementation Status

Environmental Mitigation Measures Implementation Status (May 2023)

Recommended Mitigation Measures for Air Quality Impact

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
S6.1.1	S4.2.1	<ul style="list-style-type: none"> Relevant control measures as required in the Air Pollution Control (Construction Dust) Regulation shall be implemented to minimise dust impact. 	N/A	Rem
		<ul style="list-style-type: none"> Skip hoist for material transport should be totally enclosed by impervious sheeting. 	N/A	Yes
		<ul style="list-style-type: none"> All dusty materials should be sprayed with water prior to any loading, unloading or transfer operation to maintain the dusty materials wet. 	N/A	Yes
		<ul style="list-style-type: none"> All stockpiles of aggregate or spoil should be covered and/or water applied. 	N/A	Obs
		<ul style="list-style-type: none"> The height from which excavated materials are dropped should be controlled to a minimum practical height to limit fugitive dust generation from unloading. 	Yes	Yes
		<ul style="list-style-type: none"> Immediately before leaving a construction site, every vehicle shall be washed to remove any dusty materials from its body and wheels. 	N/A	Obs
		<ul style="list-style-type: none"> The load of dusty materials carried by a vehicle leaving a construction site should be covered entirely by clean impervious sheeting to ensure dust materials do not leak from the vehicle. 	N/A	Yes
		<ul style="list-style-type: none"> All NRMMS operated on-site are approved or exempted (as the case may be) and affixed with the requisite approval/exemption labels under the Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation, or are in the process of application for such approval/exemption during the relevant grace period. 	Yes	Obs/ Rem

Recommended Mitigation Measures for Noise Impact

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
S6.2.1	S5.2.1	<ul style="list-style-type: none"> Only well-maintained plant should be operated on-site and plant should be serviced regularly. 	Yes	Yes
		<ul style="list-style-type: none"> Silencers or mufflers on construction plant should be utilised. 	Yes	N/A
		<ul style="list-style-type: none"> Mobile plant should be sited as far away from sensitive uses as possible. 	Yes	Yes

	<ul style="list-style-type: none"> • Machines and plant that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum. 	Yes	Yes
	<ul style="list-style-type: none"> • Plant known to emit noise strongly in one direction should, where possible, be orientated so that noise is directed away from the nearby sensitive uses. 	Yes	Yes
	<ul style="list-style-type: none"> • Material stockpiles and other structures such as site hoarding should be effectively utilised to screen noise from on-site construction activities. 	N/A	N/A
	<ul style="list-style-type: none"> • Noisy construction activities such as road breaking, should be scheduled to less sensitive hours during the day, e.g. midday. 	Yes	Yes

Recommended Mitigation Measures for Water Quality Impact

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
S6.3.1	S6.2.1	<ul style="list-style-type: none"> • Steel pile casing and watertight cofferdam should be installed at the pier site and seawater trapped inside the casing and cofferdam should be pumped out to generate a dry working environment prior to carrying out sediment excavation. 	Yes	N/A
S6.3.1	S6.2.1	<ul style="list-style-type: none"> • During dewatering of the cofferdam, appropriate desilting or sedimentation device should be provided on site for treatment before discharge. The Contractor should ensure discharge water from the sedimentation tank meeting the WPCO / TM-DSS requirements before discharge. 	Yes	N/A
S6.3.1- S6.3.2	S6.2.1	<ul style="list-style-type: none"> • To minimise any adverse water quality impact during the excavation of sediment, a funnel should be placed at the top of pile casing during excavation and silt curtains should be deployed to completely enclose the cofferdam and steel pile casing. Silt curtains should be deployed prior to installation of temporary platform on barge, cofferdam and steel pile casing. Silt curtains should only be removed after completion of pile caps and piers. The Contractor should be responsible for the design, installation and maintenance of the silt curtain to minimise the impacts on water quality. The design and specification of the silt curtains should be submitted by the Contractor to the Project Manager or Project Manager's Representative of AAHK for approval. The marine bridge piers should not be constructed at the same time to avoid adverse hydrodynamic impact due to flow blockage increase during the interim construction stages. All vessels should be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash. 	Obs/ Rem	N/A
S6.3.1	S6.2.1	<ul style="list-style-type: none"> • For in-situ construction method, concrete would be delivered from existing concrete batching plants off-site to avoid on site concrete batching activity. During the in-situ bridge deck concreting, the concrete should be pumped or lifted inside an enclosed container for concreting the deck. Tarpaulin plastic sheet should be mounted at the bottom of the temporary working platform for concreting to prevent concrete from falling to the sea. 	Yes	N/A

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
S6.3.1	S6.2.1	<ul style="list-style-type: none"> The marine works of the Project should be proactively planned and coordinated to avoid any concurrent marine works below seawater level with those of ITT-BVB to minimise cumulative water quality impact during construction phase. 	Yes	N/A
S6.3.1	S6.2.1	<ul style="list-style-type: none"> 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 or 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 on site boundaries where 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. 	Yes	Rem
S6.3.1	S6.2.1	<ul style="list-style-type: none"> Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly, at the onset of and after each rainstorm to prevent local flooding. Before disposal at the public fill reception facilities, the deposited silt and grit should be solicited in such a way that it can be contained and delivered by dump truck instead of tanker truck. Any practical options for the diversion and re-alignment of drainage should comply with both engineering and environmental requirements in order to provide adequate hydraulic capacity of all drains. 	Yes	Obs/ Rem
S6.3.1	S6.2.1	<ul style="list-style-type: none"> Construction works should be programmed to minimise soil excavation works in rainy seasons (April to September). If excavation in soil cannot be avoided in these months or at any time of year when rainstorms are likely, for the purpose of preventing soil erosion, temporary 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 runoff from washing across exposed soil surfaces. Arrangements should always be in place in such a way that adequate surface protection measures can be safely carried out well before the arrival of a rainstorm. 	N/A	Obs/ Rem
S6.3.1	S6.2.1	<ul style="list-style-type: none"> 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. 	N/A	N/A
S6.3.1	S6.2.1	<ul style="list-style-type: none"> Measures should be taken to minimise the ingress of rainwater into trenches. If excavation of trenches in wet seasons 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. 	N/A	Yes
S6.3.1	S6.2.1	<ul style="list-style-type: none"> 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 	N/A	Yes

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
		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.		
S6.3.1	S6.2.1	<ul style="list-style-type: none"> • 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. Also, the following mitigation measures related to the transportation of the sediment should be implemented to minimise the potential water quality impact: <ul style="list-style-type: none"> • Loading of the excavated marine-based sediment to the barge shall be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water/ storm drains; • The barge/ dump truck transporting the excavated marine-based sediment/ land-based sediment 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; and • Monitoring of the barge/ dump truck loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels/ dump truck shall be equipped with automatic self-monitoring devices as specified by the Director of Environmental Protection (DEP). 	N/A	Yes
S6.3.1	S6.2.1	<ul style="list-style-type: none"> • 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. 	Yes	Yes
S6.3.1	S6.2.1	<ul style="list-style-type: none"> • 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 backfall to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains. 	N/A	Rem
S6.3.1	S6.2.1	<ul style="list-style-type: none"> • There is a need to apply to EPD for a discharge licence for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge licence. All the runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS. The beneficial uses of the treated effluent for other on-site activities such as dust suppression, wheel washing and general cleaning etc., can minimise water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the relevant WPCO license. 	Yes	Obs/ Rem
S6.3.1	S6.2.1	<ul style="list-style-type: none"> • No discharge of sewage to the storm water system and marine water will be allowed. Sufficient chemical toilets should be provided in the works areas to handle the sewage generated from the 	Yes	Yes

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
		construction workforce. A licensed waste collector should be deployed to clean the chemical toilets on a regular basis.		
S6.3.1	S6.2.1	<ul style="list-style-type: none"> Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the surrounding environment. Regular environmental audit of the construction site will provide an effective control of any malpractices and can encourage continual improvement of environmental performance on site. It is anticipated that sewage generation during the construction phase of the project would not cause water pollution problem after undertaking all required measures. 	Yes	Yes
S6.3.1	S6.2.1	<ul style="list-style-type: none"> Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation, should be observed and complied with for control of chemical wastes. 	Yes	Yes
S6.3.1	S6.2.1	<ul style="list-style-type: none"> Any service shop and maintenance facilities should be located on hard standings within a bonded area, and sumps 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. 	Yes	Yes
S6.3.1	S6.2.1	<ul style="list-style-type: none"> Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport. Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents. Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area. 	Yes	Yes

Recommended Mitigation Measures for Waste Management

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
S6.4.1- S6.4.2	S7.2.1	<u>Good Site Practices:</u> <ul style="list-style-type: none"> Nomination of approved personnel, such as a site manager, to be responsible for implementation of good site practices, arrangements for waste collection and effective disposal to an appropriate facility. Training of site personnel in site cleanliness, concepts of waste reduction, reuse and recycling, proper waste management and chemical waste handling procedures. Provision of sufficient waste reception/ disposal points, and regular collection of waste. 	Yes	Yes
			Yes	Yes
			Yes	Yes

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
		<ul style="list-style-type: none"> Adoption of appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers. 	Yes	Yes
		<ul style="list-style-type: none"> Provision of regular cleaning and maintenance programme for drainage systems and sumps. 	Yes	Yes
		<ul style="list-style-type: none"> Adoption of a recording system for the amount of wastes generated, recycled and disposed (including the disposal sites). 	Yes	Yes
		<ul style="list-style-type: none"> Preparation of Waste Management Plan (WMP), as part of the Environmental Management Plan (EMP). 	Yes	Yes
		<u>Waste Reduction Measures:</u>		
		<ul style="list-style-type: none"> 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. 	Yes	Yes
		<ul style="list-style-type: none"> 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. 	N/A	N/A
		<ul style="list-style-type: none"> Recycle any unused chemicals or those with remaining functional capacity. 	N/A	N/A
S6.4.1	S7.2.1	<ul style="list-style-type: none"> Maximise the use of reusable steel formwork to reduce the amount of C&D materials. 	Yes	N/A
		<ul style="list-style-type: none"> Adopt proper storage and site practices to minimise the potential for damage to, or contamination of construction materials. 	Yes	Yes
		<ul style="list-style-type: none"> Plan the delivery and stock of construction materials carefully to minimise the amount of waste generated. 	Yes	Yes
		<ul style="list-style-type: none"> Minimise over ordering and wastage through careful planning during purchasing of construction materials. 	Yes	Yes
S6.4.1	S7.2.1	<u>C&D materials:</u>		
		<ul style="list-style-type: none"> The C&D materials generated should be sorted on-site into inert C&D materials (that is, public fill) and non-inert (C&D waste). 	Yes	Yes
S6.4.1	S7.2.1	<ul style="list-style-type: none"> To minimise the impact resulting from collection and transportation of C&D materials as far as practicable, C&D waste, such as wood, plastic, steel and other metals should be reused or recycled and, as a last resort, disposed to landfill. 	N/A	N/A
S6.4.1	S7.2.1	<ul style="list-style-type: none"> Proper handling and storage of waste such as soil by means of covers and/or water spraying system to minimise the potential environmental impact and to prevent materials from wind-blown or being washed away. 	Yes	Yes
		<ul style="list-style-type: none"> Covering materials during heavy rainfall. 	N/A	N/A
		<ul style="list-style-type: none"> Locating stockpiles to minimise potential visual impacts. 	Yes	Yes

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
		<ul style="list-style-type: none"> Minimising land intake of stockpile areas as far as possible. 	N/A	Yes
		<ul style="list-style-type: none"> Adopting GPS or equivalent system for tracking and monitoring of all dump trucks engaged for the Project in recording their travel routings and parking locations to prohibit illegal dumping and landfilling of C&D materials. 	N/A	N/A
		<ul style="list-style-type: none"> Keeping record and analysis of data collected by GPS or equivalent system related to travel routings and parking locations of dump trucks engaged on site. 	Yes	N/A
		<p><u>General Refuse:</u></p> <ul style="list-style-type: none"> General refuse should be stored in covered bins or compaction units separately from C&D materials. A reputable waste collector should be employed by the Contractor to remove general refuse from the site regularly, separately from C&D materials. An enclosed and covered area is preferred to reduce the occurrence of “wind blown” light materials. 	Yes	Yes
S6.4.1	S7.2.1	<ul style="list-style-type: none"> The recyclable component of general refuse, such as aluminium cans, paper and cleansed plastic containers shall be separated from other waste. Provision and collection of recycling bins for different types of recyclable waste shall be set up by the Contractor. The Contractor shall also be responsible for arranging recycling companies to collect these materials. 	N/A	N/A
		<ul style="list-style-type: none"> The Contractor should carry out an education programme for workers in avoiding, reducing, reusing and recycling of materials generation. Posters and leaflets advising on the use of the bins should also be provided in the site as reminders. 	N/A	Yes
		<p><u>Chemical Waste:</u></p> <ul style="list-style-type: none"> If chemical wastes were to be produced, the Contractor would be required to register with the EPD as a Chemical Waste Producer, and to follow the guidelines stated in the <i>Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes</i>. 	Yes	Yes
S6.4.1- S6.4.2	S7.2.1	<ul style="list-style-type: none"> Appropriate containers with proper labels should be used for storage of chemical wastes. Chemical wastes (e.g. spent lubricant oil) should be recycled at an appropriate facility as far as possible, while the chemical waste that cannot be recycled should be disposed of at either the CWTC, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation. 	Yes	Yes
		<ul style="list-style-type: none"> Any unused chemicals or those with remaining functional capacity should be collected for reuse as far as practicable. 	Yes	N/A
		<ul style="list-style-type: none"> Trip ticket system shall be implemented to prevent illegal dumping in accordance with the “Trip Ticket System for Disposal of Construction and Demolition Materials”. 	Yes	Yes
		<p><u>Sediment:</u></p>	N/A	Yes

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
S6.4.1 & S6.4.3	S7.2.1	<ul style="list-style-type: none"> The sediment should be excavated, handled, treated, transported and/or disposed of in a manner that would minimise adverse environmental impacts. 		
		<ul style="list-style-type: none"> Relevant ordinances (such as Waste Disposal Ordinance, Air Pollution Ordinance (Construction Dust Regulation and Water Pollution Control Ordinance) shall be complied with during the excavation and handling of the sediment. 	N/A	Yes
S6.4.1 & S6.4.3	S7.2.1	<ul style="list-style-type: none"> The temporary stockpiling area should be placed within earth bunds or sand bags to prevent leachate from entering the ground, nearby drains and surrounding water bodies. The temporary stockpiling area should be completely paved 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, treated and discharged according to the Water Pollution Control Ordinance (WPCO). In order to minimise the exposure to contaminated materials, 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. 	N/A	Yes
S6.4.1	S7.2.1	<ul style="list-style-type: none"> For off-site disposal, the basic requirements and procedures specified under PNAP No. 252 (ADV-21) shall be followed. Marine Fill Committee (MFC) of CEDD is managing the disposal facilities in Hong Kong for the excavated sediment, while EPD is the authority of issuing marine dumping permit under the Dumping at Sea Ordinance (DASO). 	N/A	N/A
S6.4.1, 6.4.3	S7.2.1	<ul style="list-style-type: none"> For the purpose of site allocation and application of marine dumping permit and if considered necessary by Dumping at Sea Ordinance (DASO) Team/EPD, separate submissions (e.g. SSTP/SQR) shall be submitted to DASO team/EPD for agreement under DASO. Additional SI works, based on the SSTP, shall then be carried out in order to confirm the disposal arrangements of the excavated sediment. A Sediment Quality Report (SQR), reporting the chemical and biological screening results and the estimated quantities of sediment under different disposal options, shall then be submitted to DASO team/EPD for agreement under DASO. 	N/A	N/A
		<ul style="list-style-type: none"> To ensure disposal space is allocated for the Project, the Project Proponent should be responsible for obtaining agreement from MFC on the allocation of the disposal site. The contractor(s), on the other hand, should be responsible for the application of the marine dumping permit under DASO from EPD for the sediment disposal. 	N/A	N/A
S6.4.1	S7.2.1	<ul style="list-style-type: none"> The excavated sediments is expected to be loaded onto the barge and transported to the designated disposal sites allocated by MFC. The excavated sediment would be disposed of according to its determined disposal options and PNAP No. 252 (ADV-21). 	N/A	N/A
		<ul style="list-style-type: none"> 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 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 area should be completely paved in order to avoid 	N/A	Yes

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
		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).		
		<ul style="list-style-type: none"> 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/ dump truck shall be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water/ storm drains. 	N/A	Yes
		<ul style="list-style-type: none"> The barge/ dump truck 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/ dump truck loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels/ dump truck shall be equipped with automatic self-monitoring devices as specified by the DEP. 	N/A	N/A
S6.4.1	S7.2.1	<p><u>Potential Floating Refuse:</u></p> <ul style="list-style-type: none"> Proper management and education should be given to construction site workers such that accidental release or intentional disposal would be avoided. The refuse should be stored in enclosed bin to avoid adverse impacts to the surroundings including marine environment. Regular checking should also be carried out to ensure that the refuse is stored properly. 	Obs	N/A

Recommended Mitigation Measures for Marine Ecological Impact

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
-	-	<ul style="list-style-type: none"> No underwater percussive piling shall be conducted in this Project 	Yes	N/A
S6.5.1	S8.2.1	<ul style="list-style-type: none"> Based upon a precautionary approach, a speed limit of 10 knots should be strictly enforced on all construction-related vessels. 	Yes	N/A
S6.5.1	S8.2.1	<ul style="list-style-type: none"> Good site practices, guidelines and mitigation measures detailed in Water Quality Sections 6.3.1 of the Project Profile should be adopted to further alleviate water quality impacts. 	Yes	N/A

Recommended Mitigation Measures for Landscape and Visual Impact

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
S6.6.1	S9.3.1	<ul style="list-style-type: none"> All affected trees will be felled and compensated, no transplantation is required. 	N/A	Yes
S6.6.1	S9.3.1	<ul style="list-style-type: none"> Optimising construction activities, e.g. minimising extent of temporary works area, installing site hoardings and minimising illumination on non-target areas. 	Yes	Yes
S6.6.1	S9.3.1	<ul style="list-style-type: none"> Minimise construction periods where possible. 	Yes	Yes
S6.6.1	S9.3.1	<ul style="list-style-type: none"> Early establishment of planting areas as far as appropriate. 	N/A	Yes
S6.6.1	S9.3.1	<ul style="list-style-type: none"> Erection of decorative mesh screen or construction hoardings. 	N/A	N/A
S6.6.1	S9.3.1	<ul style="list-style-type: none"> Control of night-time lighting. 	N/A	N/A
S6.6.1	S9.3.1	<ul style="list-style-type: none"> Temporary vertical greening, screen / buffer at-grade planting to soften the engineering structure of construction works. 	N/A	N/A
S6.6.1	S9.3.1	<ul style="list-style-type: none"> Tree preservation in accordance with Development Bureau Technical Circular (Works) No. 4/2020 (ref: DEVB(GLTM) 200/2/1/1). 	N/A	Yes
S6.6.1	S9.3.1	<ul style="list-style-type: none"> Proposed tree felling / tree compensation. 	N/A	Yes

Others

PP Ref.	EM&A Ref.	Recommended Mitigation Measures	Mitigation Measures Implemented? ^ (Marine Section)	Mitigation Measures Implemented? ^ (Land Section)
-	-	<ul style="list-style-type: none"> A copy of the valid Environmental Permit shall be displayed conspicuously on the Project site(s) at all vehicular site entrances/exits or at a convenient location for public's information at all times. The most updated information about the Permit, including any amended Permit, shall be displayed at such locations. If the Permit Holder surrenders a part or whole of the Permit, the notice he send to the Director shall also be displayed at the same locations as the original Permit. The suspended, varied or cancelled Permit shall be removed from display at the Project site(s). 	Yes	Yes
-	-	<ul style="list-style-type: none"> The required licences should be obtained by the Contractor (including CNP (if any), WPCO licence, etc. 	Yes	Yes

Notes:

Yes = Implemented where applicable

Obs/Rem = Observations or reminders were issued, and items were rectified

N/A = Not applicable to the construction works implemented during the reporting period

^ Checked by ET through site inspection and record provided by the Contractor