



Date: 15 October 2024 Your ref: Our ref: PL-202410027

AECOM Asia Company Limited 12/F, Grand Central Plaza, Tower 2, 138 Shatin Rural Committee Road, Shatin, New Territories, Hong Kong

#### Attn.: Ms. Mavis Law, SRE

Dear Ms. Law,

#### Agreement No. EDO 6/2019 Independent Environmental Checker for Contract No. ED/2018/05 Kai Tak Development – Stage 5B Infrastructure Works at the Former North Apron Area <u>Verification of Monthly EM&A Report (September 2024)</u>

Reference is made to the Monthly EM&A Report (September 2024) (Version 1.1) issued by the Environmental Team on 15 October 2024.

Please be informed that we have no adverse comment on the captioned submission. We hereby verify the Monthly EM&A Report (September 2024) in accordance with Condition 3.3 of Environmental Permit No. EP-337/2009.

Thank you for your attention.

Yours sincerely, For and on behalf of Acuity Sustainability Consulting Limited

Kevin Li Independent Environmental Checker

c.c. C

CEDD Ka Shing Attn.: Mr. Mr. Michael So Attn.: Mr. Chan Pang (ETL) By email By email

## Environmental Monitoring and Audit Report for

# **Contract No. ED/2018/05** –

# Kai Tak Development – Stage 5B infrastructure works at the former north apron area

### Contract No.: EDO 2/2020

September 2024

(Version 1.1)

Certified By:	pm.
	(Environmental Team Leader)

### **Table of Content**

### Page

EXECUT	TIVE SUMMARY5
	Breaches of Action and Limit Levels
	Complaint log
	Notifications of summons and successful prosecutions
	Report changes
	Key construction works in the reporting month
	Future key issues7
1.	INTRODUCTION
	Project Background
	Project Organization9
	Works Area and Construction Programme9
	Construction works undertaken during reporting month10
	Submission Status under the Environmental Permits10
2.	AIR QUALITY MONITORING11
	Monitoring Requirements11
	Monitoring Locations11
	Monitoring Parameters, Frequency and Duration11
	Monitoring Equipment
	Monitoring Methodology and QA/QC Procedure
	Wind Data Monitoring15
	Action and Limit Levels15
	Impact Air Quality Monitoring results16
3.	NOISE MONITORING17
	Monitoring Requirements17
	Monitoring Locations17

	Monitoring Parameters, Frequency and Duration	17
	Monitoring Equipment	18
	Monitoring Methodology and QA/QC Procedure	18
	Maintenance and Calibration	19
	Action and Limit Levels	19
	Impact Noise Monitoring results	20
4.	COMPARISON OF EM&A RESULTS WITH EIA PREDICTIONS	21
5.	LANDSCAPE AND VISUAL MONITORING	23
	Results and Observations	23
6.	ENVIRONMENTAL SITE INSPECTION AND AUDIT	24
	Site Inspection	24
	Status of Waste Management	26
	Status of Environmental Licenses, Notification and Permits	26
	Implementation Status of Environmental Mitigation Measures	27
	Environmental Complaint and Non-compliance	27
	Notifications of summons and successful prosecutions	27
7.	FUTURE KEY ISSUES	29
	Construction Programme in the coming month	29
	Environmental Site Inspection and Monitoring Schedule for next month	30
8.	CONCLUSIONS	31

#### List of Tables

Table I	Non-compliance Record in the Reporting Month
Table II	Summary of complaints in the Reporting Month
Table III	Summary of summons and successful prosecutions in the Reporting Month
Table IV	Summary of future key issues and potential impact in the coming month
Table 1.1	Contact Information of Key Personnel

- Table 1.2Major activities of the Project during reporting month
- Table 1.3 Summary of Status of Required Submission of EPs
- Table 2.1
   Locations of Air Quality Monitoring Stations
- Table 2.2
   Air Quality Monitoring Parameters, Frequency and Duration
- Table 2.3Air Quality Monitoring Equipment
- Table 2.4
   Action and Limit Levels of 24-hour average TSP for Construction Dust Monitoring
- Table 2.5 Action and Limit Levels of 1-hour average TSP for Construction Dust Monitoring
- Table 2.6
   Summary of 24-hour average TSP Monitoring Data during the reporting month
- Table 2.7
   Summary of 1-hour average TSP Monitoring Data during the reporting month
- Table 3.1
   Locations of Noise Monitoring Stations
- Table 3.2
   Noise Monitoring Parameters, Frequency and Duration
- Table 3.3Noise Monitoring Equipment
- Table 3.4
   Baseline Noise Level and Action and Limit Levels for Construction Noise Monitoring
- Table 3.5
   Summary of Noise Monitoring Data during the reporting month
- Table 4.1
   Comparison of 24-hour average TSP Monitoring Data with EIA predictions
- Table 4.2
   Comparison of 1-hour average TSP Monitoring Data with EIA predictions
- Table 4.3
   Comparison of Noise Monitoring Data with EIA predictions
- Table 5.1
   Summary of observations of Landscape and Visual impact during the reporting month
- Table 6.1
   Summary of site inspections observations during the reporting month
- Table 6.2
   Summary of Environmental Licenses, Notifications and Permits
- Table 6.3Summary of complaints in the Reporting Month
- Table 6.4
   Summary of summons and successful prosecutions in the Reporting Month
- Table 7.1
   Summary of future key issues and potential impact in the coming month

#### List of Figure

- Figure 1 Proposed works of Contract No. ED/2018/05
- Figure 2 Proposed works of Contract No. ED/2018/05
- Figure 3 D1 Road Site Layout Plan

- Figure 4 Site Layout Plan
- Figure 5 Air Quality Monitoring Stations
- Figure 6 Noise Monitoring Stations

#### **List of Appendices**

- Appendix A Organization Chart of EM&A Team
- Appendix B Construction Programme
- Appendix C Environmental monitoring schedules
- Appendix D Photographic records
- Appendix E Calibration certificates, catalogue of air quality monitoring equipment
- Appendix F Weather information
- Appendix G 24-hr TSP monitoring results and graphical presentation
- Appendix H 1-hr TSP monitoring results and graphical presentation
- Appendix I Event and Action Plan for air quality
- Appendix J Calibration certificates, catalogue of noise monitoring equipment
- Appendix K Noise monitoring results and graphical presentation
- Appendix L Event and Action Plan for noise
- Appendix M Event and Action Plan for Landscape and Visual Impact
- Appendix N Waste Flow Table
- Appendix O Environmental Mitigation Implementation Schedule (EMIS)
- Appendix P Summaries of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

### **EXECUTIVE SUMMARY**

1. This is the 44<sup>th</sup> Monthly Environmental Monitoring & Audit (EM&A) report which summarises the findings of the EM&A Programme during the reporting period from 1 to 30 September 2024.

#### **Breaches of Action and Limit Levels**

- 2. 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 3. 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 4. Construction noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 5. Summary of the non-compliance in the reporting month for the Project is tabulated in Table I.

 Table I
 Non-compliance Record in the Reporting Month

Donomotor	No. of Ex	A atian Talaan	
Parameter	Action Level	Limit Level	Action Taken
1-hr TSP	0	0	N/A
24-hr TSP	0	0	N/A
Construction noise	0	0	N/A

#### Complaint log

6. No complaint was received in the reporting month. Summary of complaints in the reporting month is tabulated in Table II.

Date of complaint received	Date of compliant	Description of complaint	Recommendations / Action taken	Close-out date / Status
No complaint was received in the reporting month.	NA	NA	NA	NA

Table II Summary of complaints in the Reporting Month

#### Notifications of summons and successful prosecutions

7. No notification of summons and successful prosecutions was received in the reporting month. Summary of summons and successful prosecutions in the reporting month is tabulated in Table III.

Date of receiving notification of summons	Date of event	Description of event	Action taken	Close-out date / Status
or prosecutions				
No notification of summons and successful prosecutions were received in the reporting month.	NA	NA	NA	NA

Table III Summary of summons and successful prosecutions in the Reporting Month

#### **Report changes**

8. There was no reporting change in the reporting month.

#### Key construction works in the reporting month

- 9. Major construction activities undertake during the reporting month included:
  - Construction of LW-02 structural steel roof
  - Floor screeding works at deck level of LW-02
  - Installation of glazing plane on diagrid frame at LW-02
  - Construction of headwall at Subway SB-01 Retrieval Shaft
  - Installation of floor tiles inside Subway SB-01
  - Road and drain construction works for Road L16, Road L9 and Road D1
  - Construction works for DCS

- Renovation works for Subway KS10 Lift and Staircase
- Renovation works for existing subway KS10
- Installation of glass glazing for Subway KS10 Lift
- Installation of louvre for Subway KS10 Lift
- Construction of parapet for S14
- Construction of bridge deck of S14
- Drainage construction and backfilling works for retaining wall of S14
- Drainage construction works at PS2
- Construction of hoarding at CDR

#### **Future key issues**

10. The future key issues and potential impact in the coming month are given in Table IV.

<u>Iddle Iv Summary of julure key issues and polential impact in the coming month</u>					
Future key issues in the coming month	Potential impact				
Construction of LW-02 structural steel roof	Noise and Air Quality				
Installation of Canopy at LW-02	Noise and Air Quality				
Construction of Pillar box at LW-02	Noise and Air Quality				
Lift installation at LW-02	Noise and Air Quality				
Installation of glass panels and aluminum panels of LW-02	Noise and Air Quality				
Installation of glass balustrade at LW02	Noise and Air Quality				
Tiling works at LW02	Noise and Air Quality				
Construction of headwall at Subway SB-01 Retrieval Shaft	Noise and Air Quality				
Finishing works of Subway SB-01	Noise and Air Quality				
Installation of steel frame for lift tower of Subway SB-01	Noise and Air Quality				
Excavation works for construction of staircase for Subway SB-01	Noise and Air Quality				
Road and drain construction works for Road L16, Road L9 and Road D1	Noise and Air Quality				
Construction works for DCS	Noise and Air Quality				
Lift installation for Subway KS10	Noise and Air Quality				
Renovation works for existing Subway KS10	Noise and Air Quality				
Construction of parapet for Slip Road S14	Noise and Air Quality				
Backfilling at retaining wall for Slip Road S14	Noise and Air Quality				
Construction of portal frame for Bridge K73	Noise and Air Quality				
Construction of bridge deck of S14	Noise and Air Quality				
Drainage construction works at PS2	Noise and Air Quality				

Table IV Summary of future key issues and potential impact in the coming month

### **1. INTRODUCTION**

#### **Project Background**

- 1.1 The Kai Tak Development (KTD) is located in the southern part of Kowloon Peninsula of the HKSAR, comprising the apron and runway areas of the former Kai Tak Airport and existing waterfront areas at To Kwa Wan, Ma Tau Kok, Kowloon Bay, Kwun Tong and Cha Kwo Ling.
- 1.2 Contract No. ED/2018/05 Kai Tak Development stage 5B infrastructure works at the former north apron area (The Project), comprises mainly the design and construction of a section of dual two-lane Road D1; single two-lane Road L9 and Road L16; a single-lane slip road S14; a pedestrian subway SB-01; an elevated walkway LW-02; renovation of the existing pedestrian subways KS9, KS10 and KS32, as well as modification of the southern end of the existing pedestrian subway KS10; associated footpaths, street lighting, traffic aids, drainage, sewerage, water mains, landscaping, electrical and mechanical works, and ancillary works. The proposed works are shown in Figure 1 and Figure 2. The proposed works and site boundary are shown in Figure 3 and Figure 4. Civil Engineering and Development Department (CEDD) had completed an Environmental Impact Assessment (EIA) and is the Permit Holder.
- 1.3 In accordance with the approved EIA Reports, Environmental Monitoring and Audit (EM&A) programmes are recommended to ensure compliance with the EIA study recommendations. The project proponent was the Civil Engineering and Development Department (CEDD). AECOM Asia Co. Ltd. (AECOM) was commissioned by CEDD as Supervisor (act as Engineers' Representative (ER) listed in EM&A Manual). Acuity Sustainability Consulting Limited (Acuity) was commissioned as the Independent Environmental Checker (IEC). Build King STEC Joint Venture (Build King) was appointed as the main Contractor for the construction works of Contract No. ED/2018/05. Ka Shing was commissioned by CEDD to undertake the role of the Environmental Team (ET) to implement the EM&A programme for The Project.
- 1.4 The construction work under ED/2018/05 comprises the EM&A Manual (EIA Register No. AEIAR-130/2009 for Kai Tak Development) and Environmental Permit No. EP- 337/2009.
- 1.5 Air quality and noise monitoring has been proposed in the EM&A Manual with EIA Register No. AEIAR-130/2009 for Kai Tak Development.

#### **Project Organization**

1.6 The project organization chart and with respect to the EM&A programme is shown in AppendixA. Information of key personnel contact names and telephone numbers are summarized in Table1.1.

Party	Role	Contact Person	Position	Phone No.	E-mail
Civil Engineering and Development Department (CEDD)	Project Proponent	Mr. Stephen Lo	Permit Holder	3579 2470	<u>cclo@cedd.gov.hk</u>
AECOM Asia Co. Ltd. (AECOM)	Supervisor (act as Engineers' Representative (ER) listed in EM&A Manual)	Mr. Vincent Lee	Supervisor's Delegate	2798 0771	<u>sre2@ktd-</u> stage5.com
Acuity Sustainability Consulting Limited (Acuity)	Independent Environmental Checker (IEC)	Mr. Kevin Li	IEC	9779 2247	<u>kevin.li@aurecong</u> <u>roup.com</u>
Ka Shing Management Consultant Limited (Ka Shing)	Environmental Team (ET)	Mr. Pang Chan	ET Leader	6082 2973	<u>stage5b@ka-</u> shing.net
Build King – STEC Joint Venture (BK- STEC)	Contractor	Mr. Rex Lau	Contractor's Representative	6282 5154	<u>rex.lau@buildking</u> <u>.hk</u>

Table 1.1 Contact Information of Key Personnel

#### Works Area and Construction Programme

 The construction works commenced on 16 February 2021. The construction programme of the Project is given in Appendix B.

#### Construction works undertaken during reporting month

1.8 Major construction works of the Project in the reporting month are summarized in Table 1.2:

porung monun
Construction of bridge deck of S14
Drainage construction and backfilling works for
retaining wall of S14
Drainage construction works at PS2
Construction of hoarding at CDR

Table 1.2 Major activities of the Project during reporting month

#### **Submission Status under the Environmental Permits**

1.9 The status of required submission under Environmental Permit (EP) conditions under EP-337/2009 are summarized in Table 1.3.

EP Condition EP-337/2009	Submission	Submission Date
Condition 1.11	Notification of Commencement Date of Construction of the Project	12 Jan 2021
Condition 2.3	Management Organization of Main Construction Companies	21 Sep 2020
Condition 2.3	Updated Management Organization of Main Construction Companies	4 July 2022

Table 1.3 Summary of Status of Required Submission of EPs

EP Condition EP-337/2009	Submission	Submission Date
Condition 2.4	Design Drawings	12 Jan 2021
Condition 2.11	Landscape Mitigation Plans	17 Dec 2020
Condition 3.2	Baseline Monitoring Report	12 Jan 2021
Condition 3.3	Monthly EM&A Report (Aug 2024)	19 Sep 2024

### 2. AIR QUALITY MONITORING

#### **Monitoring Requirements**

2.1 In accordance with EM&A Manual (EIA Register No. AEIAR-130/2009), impact air quality monitoring shall be carried out during the construction phase of the Project. For regular impact monitoring, a sampling frequency of at least once in every six days will be strictly observed at all of the monitoring stations for 24-hour TSP. For 1-hour TSP monitoring, the sampling frequency of at least three times in every six days will be undertaken when the highest dust impact occurs.

#### **Monitoring Locations**

2.2 Two designated monitoring stations were selected for air quality monitoring programme. Impact air quality monitoring was conducted at two air quality monitoring stations in the reporting month. Table 2.1 describes the air quality monitoring locations, which are also depicted in Figure 5.

Air Quality Monitoring Locations for the Project	Location of Measurement
AM2(A) – Ng Wah Catholic Secondary School	Rooftop
AM3 – Sky Tower	Podium floor near T7

Table 2.1 Locations of Air Quality Monitoring Stations

#### **Monitoring Parameters, Frequency and Duration**

2.3 The air quality monitoring locations and monitoring frequency are listed in Table 2.2.

Air Monitoring Station	Location for Measurement	Parameter	Duration	Frequency
AM2(A) – Ng Wah Catholic Secondary School	Rooftop	- 24-hour average TSI	- 24 hours	- Once every 6 days
AM3 – Sky Tower	Podium Floor near Tower 7	- 1-hour average TSI	- 1 hour	- Three times every 6 days

Table 2.2 Air Quality Monitoring Parameters, Frequency and Duration

2.4 The monitoring schedule for reporting month and next month is presented in Appendix C.

2.5 Photographic records of the impact monitoring setup are shown in Appendix D.

#### <u>Monitoring Equipment</u>

2.6 24-hour average TSP and 1-hour average TSP levels were measured for impact monitoring. 24-hour average TSP levels were measured by the High Volume Samplers (HVS) and 1-hour average TSP levels were measured by direct reading method to indicate short-term impacts. Wind data monitoring equipment was set up at conspicuous locations for logging wind speed and wind direction near to the dust monitoring locations. Table 2.3 summarizes the equipment to be used in the air quality monitoring.

Equipment	Model	Quantity	Calibration Interval
HVS Sampler	HVS Sampler TE-5170 X c/w of TSP sampling inlet		2 months
HVS Calibrator	TISCH TE-5025A	1	1 year
1-hour TSP Dust Meter	TSI Model AM510 SidePak Personal Aerosol Monitor	2	1 year
Weather Station	Davis Vantage Pro2 Weather Station	1	6 months

Table 2.3 Air Quality Monitoring Equipment

- 2.7 High volume samplers (HVS) (TE-5170 X c/w of TSP sampling inlet) comprising with appropriate sampling inlets were employed for 24-hour TSP monitoring. The sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complied with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50).
- 2.8 Calibration certificates, catalogue of equipment are given in Appendix E.

#### Monitoring Methodology and QA/QC Procedure

#### 24-hour TSP Monitoring

#### **Operating/Analytical Procedures**

2.9 Setup criteria of HVS are shown as follows:

- A horizontal platform with appropriate support to secure the samplers against gusty wind was provided.
- No two samplers were placed less than 2m apart.
- The distance between the sampler and an obstacle, such as buildings, was at least twice the height that the obstacle protrudes above the sampler.
- A minimum of 2m of separation from walls, parapets and penthouses was set for the rooftop samples.
- A minimum of 2m separation from any supporting structure, measured horizontally was set.
- No furnaces or incineration flues was nearby.
- Airflow around the sampler was unrestricted.
- Any wire fence and gate, to protect the samplers, was not caused any obstruction during monitoring.
- Permission were obtained to setup the samplers and to obtain access to the monitoring stations.
- A secured supply of electricity was provided to operate the samplers.
- 2.10 Prior to the commencement of the dust sampling, the flow rate of the HVS was properly set (between 1.1 m<sup>3</sup>/min. and 1.7 m<sup>3</sup>/min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50.
- 2.11 For TSP sampling, Glass Fiber Filter Media 8" x 10" having a collection efficiency of > 99 % for particles of 0.3  $\mu$ m diameter were used.
- 2.12 The power supply was checked to ensure the sampler worked properly and then placed any filter media at the designated air quality monitoring station.
- 2.13 The filter holding frame was removed by loosening the four nuts and a weighted and conditioned filter was carefully centered with the stamped number upwards, on a supporting screen.

- 2.14 The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure was sufficient to avoid air leakage at the edges.
- 2.15 The shelter lid was closed and secured with the aluminium strip.
- 2.16 The timer was programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).
- 2.17 After sampling, the filter was removed from the HVS and put into a clean and labeled seal plastic bag to avoid cross contamination. The elapsed time was also be recorded. The sampled filters were sent to the HOKLAS accredited or other internationally accredited laboratory for weighting.

#### Maintenance/Calibration

- 2.18 The following maintenance/calibration are required for the HVS:
  - The HVS and their accessories were properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition.
  - High volume samplers were calibrated at bi-monthly intervals using TE-5025A Calibration Kit throughout all stages of the air quality monitoring.

#### 1-hour TSP Monitoring

#### Measurement Procedures

- 2.19 The measurement procedures of the 1-hour TSP were conducted in accordance with the Manufacturer's Instruction Manual as follows:
  - Set up the dust meter on a tripod at 1.2m level.
  - Turned on the dust meter and check the battery, if too low, change new ones. Pointed the meter to the source area or the planned measurement area.
  - The zero calibration of the instrument was conducted before and after each sampling.
  - TSP levels were recorded for 1-hour with 5-minute data logging interval.
  - Recorded down the general meteorological conditions, Test ID no., start/end time, spot check reading at each sampling location for data processing.

• Recorded any activities that may generate dust during measurement period.

#### Maintenance/Calibration

2.20 The following maintenance/calibration are required for the direct dust meters:

• To validate the accuracy of dust meter, compare the results measured by dust meter and HVS every 12 months throughout all stages of the air quality monitoring.

#### Wind Data Monitoring

- 2.21 Wind Anemometer was installed at the roof-top of AM2(A) Ng Wah Catholic Secondary School with 10m above ground and clear of constructions or turbulence caused by the buildings.
- 2.22 The wind data was captured by a data logger and the data was downloaded at least once per month for analysis.
- 2.23 The wind data monitoring equipment will be re-calibrated at least once every six months.
- 2.24 Wind direction is divided into 16 sectors of 22.5 degrees each.
- 2.25 Details of weather information during the monitoring period are shown in Appendix F.

#### Action and Limit Levels

2.26 The Action and Limit Levels of 24-hour average TSP and 1-hour average TSP are summarized in Table 2.4 and Table 2.5 respectively.

Table 2.4 Action and Limit Levels of 24-hour average TSP for Construction Dust Monitoring

Parameter	Air Monitoring Station	Action Level, µg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
24-hour average TSP	AM2(A)	175	260
	AM3	172	260

Parameter	Air Monitoring Station	Action Level, µg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
1-hour average TSP	AM2(A)	302	500
	AM3	301	500

Table 2.5 Action and Limit Levels of 1-hour average TSP for Construction Dust Monitoring

#### **Impact Air Quality Monitoring results**

2.27 Impact monitoring results for 24-hour average TSP and 1-hour average TSP levels at the designated air quality monitoring stations are summarized in Table 2.6 and Table 2.7 respectively.

Table 2.6 Summary of 24-hour average TSP Monitoring Data during the reporting month

Air Quality Monitoring Station	Average TSP Concentration, µg/m <sup>3</sup>	Range, μg/m <sup>3</sup>	Action Level, µg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
AM2(A)	46	25 - 63	175	260
AM3	56	33 - 86	172	260

Table 2.7 Summary of 1-hour average TSP Monitoring Data during the reporting month

Air Quality Monitoring Station	Average TSP Concentration, µg/m <sup>3</sup>	Range, μg/m <sup>3</sup>	Action Level, µg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
AM2(A)	51	29 - 75	302	500
AM3	57	31 - 92	301	500

- 2.28 There was no Action and Limit Level exceedance of 24-hour average TSP and 1-hour average TSP levels recorded during the reporting month.
- 2.29 Graphical presentation and detailed monitoring results of 24-hour average TSP and 1-hour average TSP levels are shown in Appendix G and Appendix H respectively.
- 2.30 The Event and Action Plan is provided in Appendix I.
- 2.31 Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 2.32 Weather conditions during the monitoring periods were generally fine and did not affect the monitoring results.
- 2.33 Impact air quality monitoring were conducted on 2, 7, 13, 19, 25 and 30 September 2024 in the reporting month.

### 3. NOISE MONITORING

#### **Monitoring Requirements**

- 3.1 In accordance with EM&A Manual (EIA Register No. AEIAR-130/2009), impact noise monitoring shall be carried out during the construction phase of the Project.
- 3.2 Regular monitoring,  $L_{Aeq, 30-minute}$ , for each station will be on a weekly basis and conduct one set of measurements between 0700 1900 hrs on normal weekdays.
- 3.3 If construction works are extended to include works during 1900 0700 hrs as well as public holidays and Sundays, additional weekly impact monitoring will be carried out during the respective restricted hours periods.

#### **Monitoring Locations**

3.4 Two designated monitoring stations were selected for noise monitoring programme. Impact noise monitoring was conducted at two noise monitoring stations in the reporting month. Table 3.1 describes the noise monitoring locations, which are also depicted in Figure 6.

Noise Monitoring Locations for the Project	Location of Measurement
M4(A) – Le Billionnaire	Podium (Façade)
M5(A) – Prince Ritz	Podium (Façade)

Table 3.1 Locations of Noise Monitoring Stations

#### **Monitoring Parameters, Frequency and Duration**

3.5 The noise monitoring locations and monitoring frequency are listed in Table 3.2.

Noise Monitoring Station	Location for Measurement	Parameter	Frequency and Duration
M4(A) – Le Billionnaire	Podium (Façade)	L. L. and	30-minute measurement at each monitoring station between 0700
M5(A) – Prince Ritz	Podium (Façade)	$L_{Aeq}$ , $L_{A10}$ and $L_{A90}$	<ul> <li>1900 hrs on normal weekdays</li> <li>(Monday to Saturday) at frequency of once per week.</li> </ul>

Table 3.2 Noise Monitoring Parameters, Frequency and Duration

- 3.6 The monitoring schedule for reporting month and next month is presented in Appendix C.
- 3.7 Photographic records of the monitoring setup are shown in Appendix D.

#### **Monitoring Equipment**

3.8 As referred to the Technical Memorandum (TM) issued under the Noise Control Ordinance (NCO), sound level meters in compliance with the IEC 61672-1 (Class 1) standard [this standard replaced the International Electrotechnical Commission Publications 60651:1979 (Type 1) and 60804:1985 (Type 1)] were used for noise monitoring. Table 3.3 summarizes the equipment to be used in the noise monitoring.

Table 3.3 Noise Monitoring Equipment

Equipment	Model	Quantity	Calibration Interval
Sound Level Meter	RION NL52	1	1 year
Sound Level Calibrator	RION NC74	1	1 year
Air Flowmeter	TSI TA440 Air Velocity	1	1 year

3.9 Calibration certificates, catalogue of equipment are given in Appendix J.

#### **Monitoring Methodology and QA/QC Procedure**

3.10 The noise level measurement was conducted at 1m from the exterior of the nearby noise sensitive receivers building façade and at 1.2m above the ground and facing to the source area or the planned measurement area.

- 3.11 No noise measurement was conducted in the presence of fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. Air flow was measured by air flow meter.
- 3.12 Turned on the sound level meter and check the battery, if too low, change new ones.
- 3.13 Calibration was conducted immediately prior to and after each noise measurement, the accuracy of the sound level meters was checked by using sound calibrator generating 1,000 Hz with 94dB. Measurement data was found to be valid only if the calibration levels from before and after the noise measurement agreed to within 1.0 dB.
- 3.14 Noise level was recorded.
- 3.15 Recorded any activities that may generate noise during measurement period.

#### Maintenance and Calibration

- 3.16 The microphone of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.
- 3.17 The sound level meter and sound calibrator were calibrated annually by HOKLAS accredited laboratory or equivalent.

#### Action and Limit Levels

3.18 The Baseline Noise Levels and Action and Limit Levels for construction noise is presented in Table 3.4.

note 5.4 Duseline Noise Level and Action and Linit Levels for Construction Noise Montioning					
Time Period	Noise Monitoring	Baseline Noise	Action Level	Limit	
	Station	Levels, dB (A)		Level	
0700 - 1900  hrs	M4(A)	69.5	When one	75 ID(A)	
on normal weekdays	M5(A)	72.5	documented complaint is received.	75 dB(A)	

Table 3.4 Baseline Noise Level and Action and Limit Levels for Construction Noise Monitoring

Note: ^ If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

#### **Impact Noise Monitoring results**

3.19 Impact noise monitoring results at the designated noise monitoring stations are summarized in Table 3.5 respectively.

Noise Monitoring Station	Measured L <sub>Aeq, 30-</sub> min, Average, dB(A)	Measured L <sub>Aeq, 30-</sub> <sup>min,</sup> Range, dB(A)	Action Level	Limit Level <sup>^</sup>
M4(A)	72.0	71.8-72.3	When one documented	75
M5(A)	74.1	73.8 - 74.6	When one documented complaint is received	dB(A)

*Table 3.5 Summary of Noise Monitoring Data during the reporting month* 

Note: ^ If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

- 3.20 There was no Action and Limit Level exceedance of L<sub>Aeq, 30-min</sub> recorded during the reporting month.
- 3.21 Graphical presentation and detailed monitoring results are shown in Appendix K.
- 3.22 The Event and Action Plan is provided in Appendix L.
- 3.23 Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 3.24 Weather conditions during the monitoring periods were generally fine and did not affect the monitoring results.
- 3.25 Impact noise monitoring were conducted on 2, 13, 19, 25 and 30 September 2024 in the reporting month.

### 4. COMPARISON OF EM&A RESULTS WITH EIA PREDICTIONS

4.1 The environmental impacts predictions were given in Agreement No. CE 35/2006(CE) Kai Tak Development Engineering Study cum Design and Construction of Advance Works -Investigation, Design and Construction - Kai Tak Development Environmental Impact Assessment Report, EIA Register No. AEIAR-130/2009 for Kai Tak Development (The EIA Report). The EM&A data was compared with the EIA predictions as summarized in Table 4.1 to Table 4.3.

Table 4.1 Comparison of 24-hour average TSP Monitoring Data with EIA predictions

Air Quality Monitoring Station	ASR No. in EIA report		Cumulative our average TSP atration Scenario 2 (Mid 2013 to Late 2016), µg/m <sup>3</sup>	Measured 24-hr average TSP in Reporting Month (Sep 2024) µg/m <sup>3</sup>
AM2(A) - Ng Wah Catholic Secondary School	NA	NA	NA	25 - 63
AM3 - Sky Tower	A40^	106^	138^	33 - 86

Note:

^ Prediction results are given in the Table 3.13 of the EIA Report (EIAO Register No. AEIAR-130/2009) for Kai Tak Development.

Table 4.2 Comparison of 1-hour average TSP Monitoring Data with EIA predictions

Air Quality Monitoring Station	ASR No. in EIA report	Maximum 1-ho	Cumulative our average TSP atration Scenario 2 (Mid 2013 to Late 2016), µg/m <sup>3</sup>	Measured 1-hr average TSP in Reporting Month (Sep 2024) µg/m <sup>3</sup>
AM2(A) - Ng Wah Catholic Secondary School	NA	NA	NA	29 - 75
AM3 - Sky Tower	A40^	217^	247^	31 - 92

Note:

^ Prediction results are given in the Table 3.13 of the EIA Report (EIAO Register No. AEIAR-130/2009) for Kai Tak Development.

Noise Monitoring Station	NSR No. in EIA report	Predicted Mitigated Construction Noise Levels during Normal Daytime Working Hour L <sub>Aeq, 30min</sub> , dB(A)	Measured Noise Level in Reporting Month (Sep 2024) L <sub>Aeq, 30min</sub> , dB(A)
M4(A) – Le Billionnaire	NA	NA	71.8 - 72.3
M5(A) – Prince Ritz	NA	NA	73.8 - 74.6

Table 4.3 Comparison of Noise Monitoring Data with EIA predictions

- 4.2 No prediction in the EIA Report for 24-hour TSP monitoring results at AM2(A).
- 4.3 24-hour TSP monitoring results at AM3 was recorded lower than the prediction in the EIA Report. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 4.4 No prediction in the EIA Report for 1-hour TSP monitoring results at AM2(A).
- 4.5 1-hour TSP monitoring results at AM3 was recorded lower than the prediction in the EIA Report. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 4.6 No prediction in the EIA Report for noise monitoring results at M4(A) and M5(A).

### 5. LANDSCAPE AND VISUAL MONITORING

5.1 In accordance with EM&A Manual (EIA Register No. AEIAR-130/2009), Landscape and Visual Monitoring shall be carried out during the construction phase of the Project. Regular impact monitoring will be conducted at least once per week.

#### **Results and Observations**

- 5.2 Site inspections were carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site.
- 5.3 Site inspections were conducted on 5, 12, 19 and 25 September 2024 in the reporting month.
- 5.4 The summary of site audits is attached in Table 5.1.

Inspection Date	Key Observations	Recommendations / Actions	Close- out Date / Status
5 Sep 2024	NA	NA	NA
12 Sep 2024	NA	NA	NA
19 Sep 2024	NA	NA	NA
25 Sep 2024	NA	NA	NA

Table 5.1 Summary of observations of Landscape and Visual impact during the reporting month

- 5.5 No non-compliance of the landscape and visual impact was recorded in the reporting month.
- 5.6 Should non-compliance of the landscape and visual impact occur, action in accordance with the action plan presented in Appendix M shall be performed.

### 6. ENVIRONMENTAL SITE INSPECTION AND AUDIT

#### **Site Inspection**

- 6.1 Site inspections were carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site.
- 6.2 Site inspections were conducted 5, 12, 19 and 25 September 2024 in the reporting month.
- 6.3 The summaries of site audits are attached in Table 6.1.

Close-out Inspection Key Observations **Recommendations / Actions** Date / Date Status Closed 5 Sep out on 2024 12 Sep Action Taken: 2024 Rubbish at L16 has been removed. Observation: The rubbish should be removed at Site L16. Closed 5 Sep out on 2024 12 Sep Action Taken: 2024 Water truck was arranged for Observation: watering regularly. The main haul road should be sprayed with water.

Table 6.1 Summary of site inspections observations during the reporting month

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
12 Sep 2024	Observation: Haul road on CS shall implement water spraying regularly to	Action Taken: Water truck was arranged for watering regularly.	Closed out on 19 Sep 2024
19 Sep 2024	suppress dust emissions.	Action Taken:         The temporary pipe has been connected properly.	Closed out on 25 Sep 2024
19 Sep 2024	Observation: Please remind to remove stagnant water to prevent mosquito breeding.	Action Taken:         Stagnant water has been removed and carried out larviciding at mosquito potential breeding source.	Closed out on 25 Sep 2024

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
25 Sep 2024	Observation: Please remind to remove the stagnant water at S14.	Action Taken: The stagnant water has been removed to ensure that there is no breeding of mosquitoes.	Closed out on 3 Oct 2024

#### **Status of Waste Management**

- 6.4 The amount of wastes generated by the major site activities of the work contracts within the Project during the reporting month is shown in Appendix N.
- 6.5 The Contractor was registered as a chemical waste producer for the Project. The Contractor was reminded that chemical waste containers should be properly treated and stored temporarily in designated chemical waste storage area on site in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.

#### **Status of Environmental Licenses, Notification and Permits**

6.6 A summary of the relevant permits, licenses and/or notifications on environmental protection for the Project is shown in Table 6.2.

Environmental Licenses, Notifications and Permits	Ref. No.	Valid From	Valid Till
Environmental Permit under EIAO	EP-337/2009	23 Apr 2009	N/A
Construction Dust Notification under APCO	HA/1826/1	29 Dec 2020	N/A
Waste Disposal Billing Account	7038086	21 Aug 2020	N/A
Registration as a Chemical Waste Producer	5111-286-B2596-01	15 Sep 2020	N/A

Table 6.2 Summary of Environmental Licenses, Notifications and Permits

Environmental Licenses, Notifications and Permits	Ref. No.	Valid From	Valid Till
Wastewater Discharge License under	WT00037618-2021	29 Mar 2021	31 Mar 2026
WPCO	WT00037370-2021	29 Iviai 2021	51 Iviai 2020
WICO	WT00038562-2021	15 Jul 2021	31 Jul 2026
Construction Noise Permit	GW-RE0443-24	20 Apr 2024	19 Oct 2024
	GW-RE0961-24	14 Aug 2024	30 Nov 2024

#### **Implementation Status of Environmental Mitigation Measures**

6.7 The Contractor has implemented environmental mitigation measures as stated in the EIA report, the EP and the EM&A Manual. The implementation status of the mitigation measures is summarized in Appendix O.

#### **Environmental Complaint and Non-compliance**

6.8 No complaint was received in the reporting month. Summary of complaints in the reporting month is tabulated in Table 6.3.

Date of complaint received	Date of compliant	Description of complaint	Recommendations / Action taken	Close-out date / Status
No complaint was received in the reporting month.	NA	NA	NA	NA

Table 6.3 Summary of complaints in the Reporting Month

6.9 Complaint log is shown in Appendix P.

#### Notifications of summons and successful prosecutions

6.10 No notification of summons and successful prosecutions was received in the reporting month. Summary of summons and successful prosecutions in the reporting month is tabulated in Table

#### 6.4.

Date of receiving notification of summons or prosecutions	Date of event	Description of event	Action taken	Close-out date / Status
No notification of summons and successful prosecutions were received in the reporting month.	NA	NA	NA	NA

Table 6.4 Summary of summons and successful prosecutions in the Reporting Month

6.11 The summaries of cumulative environmental complaint, warning, summons and notification of successful prosecution for the Project is presented in Appendix P.

### 7. FUTURE KEY ISSUES

#### **Construction Programme in the coming month**

7.1 The major construction activities and potential impacts in the next reporting month are as follows:

table 7.1 Summary of future key issues and potential impact in the coming month				
Future key issues in the coming month	Potential impact			
Construction of LW-02 structural steel roof	Noise and Air Quality			
Installation of Canopy at LW-02	Noise and Air Quality			
Construction of Pillar box at LW-02	Noise and Air Quality			
Lift installation at LW-02	Noise and Air Quality			
Installation of glass panels and aluminum panels of LW-02	Noise and Air Quality			
Installation of glass balustrade at LW02	Noise and Air Quality			
Tiling works at LW02	Noise and Air Quality			
Construction of headwall at Subway SB-01 Retrieval Shaft	Noise and Air Quality			
Finishing works of Subway SB-01	Noise and Air Quality			
Installation of steel frame for lift tower of Subway SB-01	Noise and Air Quality			
Excavation works for construction of staircase for Subway SB-01	Noise and Air Quality			
Road and drain construction works for Road L16, Road L9 and Road D1	Noise and Air Quality			
Construction works for DCS	Noise and Air Quality			
Lift installation for Subway KS10	Noise and Air Quality			
Renovation works for existing Subway KS10	Noise and Air Quality			
Construction of parapet for Slip Road S14	Noise and Air Quality			
Backfilling at retaining wall for Slip Road S14	Noise and Air Quality			
Construction of portal frame for Bridge K73	Noise and Air Quality			
Construction of bridge deck of S14	Noise and Air Quality			
Drainage construction works at PS2	Noise and Air Quality			

Table 7.1 Summary of future key issues and potential impact in the coming month

- 7.2 The mitigation measures for environmental impact including Air Quality, Construction Noise, Water Quality, Chemical and Waste Management, Landscape and Visual shall be implemented:
  - Sufficient watering of the works site with the active dust emitting activities,
  - Limitation of the speed for vehicles on unpaved site roads,
  - Properly cover the stockpiles,
  - Good maintenance to the plant and equipment,
  - Use of quieter plant and Quality Powered Mechanical Equipment (QPME),
  - Provide movable noise barriers,
  - Appropriate desilting/ sedimentation devices provided on site for treatment before discharge,
  - Well maintain the drainage system to prevent the spillage of wastewater during heavy rainfall,

- Onsite waste sorting and implementation of trip ticket system,
- Good management and control on construction waste reduction,
- Erection of decorative screen hoarding,
- Strictly following the Environmental Permits and Licenses, and
- Provide sufficient mitigation measures as recommended in Approved EIA Report.
- 7.3 The recommended environmental measures proposed in the EM&A Manual (EIA Register No. AEIAR-130/2009) shall be effectively implemented to minimize the potential environmental impacts. The Contractor is reminded to implement the mitigation measures properly.

#### **Environmental Site Inspection and Monitoring Schedule for next month**

7.4 The tentative schedule for weekly site inspection and air quality and noise monitoring in the next month is provided in Appendix C.

### 8. CONCLUSIONS

- 8.1 Environmental monitoring works were performed in the reporting month and all monitoring results were checked and reviewed.
- 8.2 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 8.3 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 8.4 Construction noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 8.5 No complaint was received in the reporting month.
- 8.6 No notification of summons and successful prosecutions was received in the reporting month.
- 8.7 Based on the site inspection and audits, impact air quality and noise monitoring results, it was considered that the mitigation measures were effective to control the potential environmental impacts from the Project during the reporting period.

### Figure

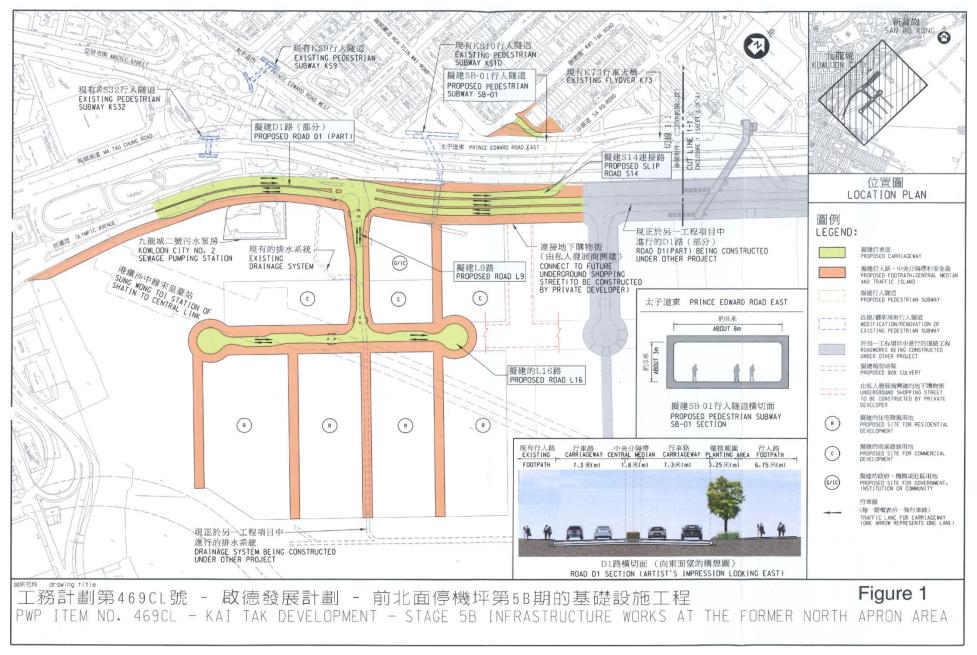


Figure 1 – Proposed works of Contract No. ED/2018/05

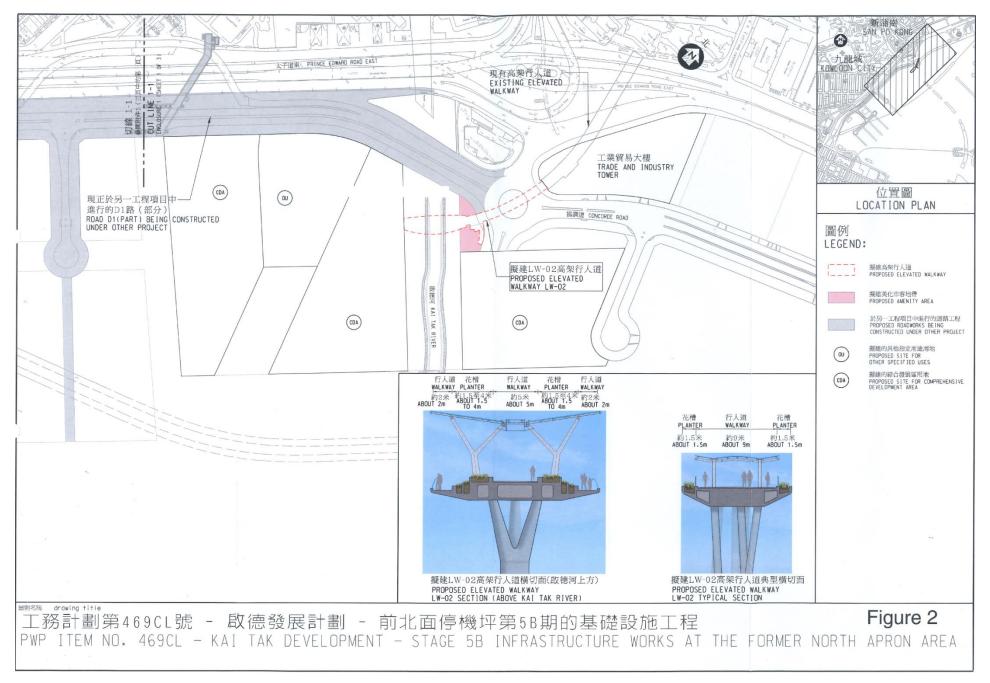


Figure 2 – Proposed works of Contract No. ED/2018/05

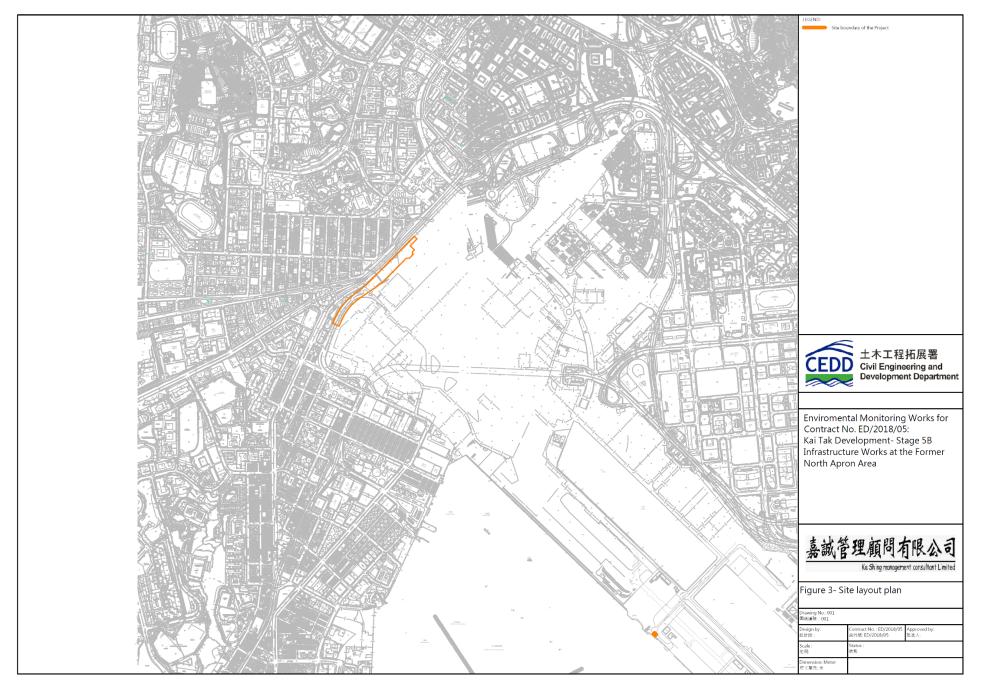


Figure 3 – D1 Road Site Layout Plan

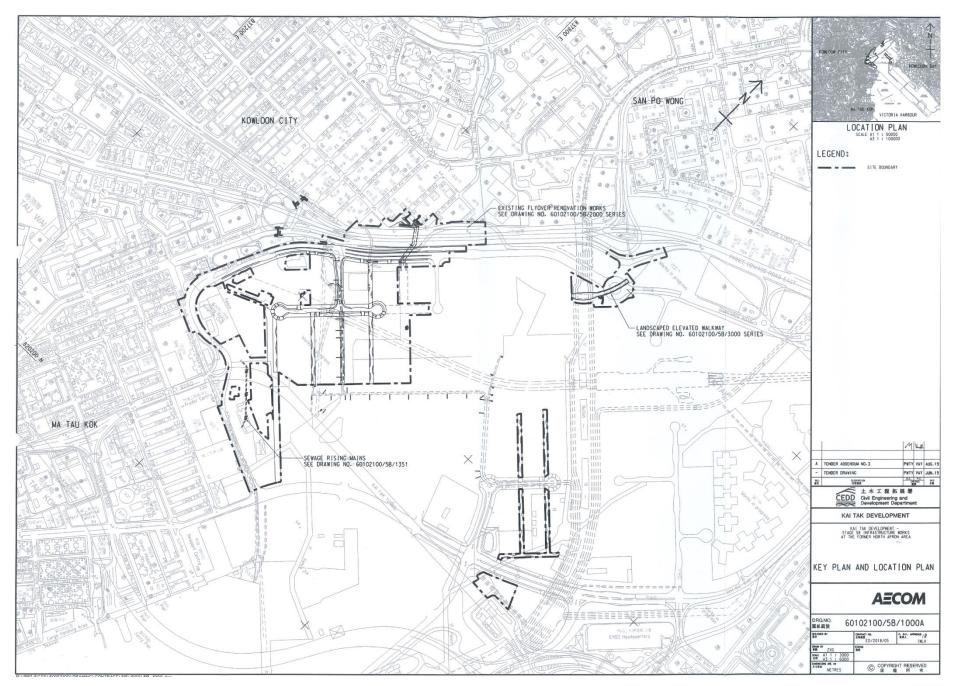


Figure 4 – Site Layout Plan

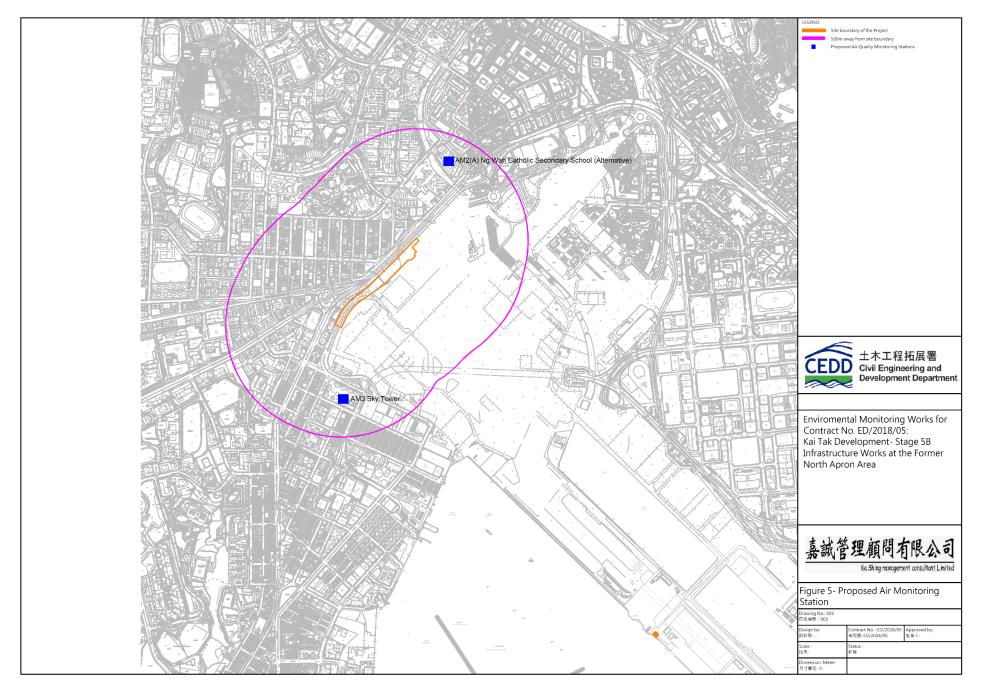


Figure 5 – Air Quality Monitoring Stations

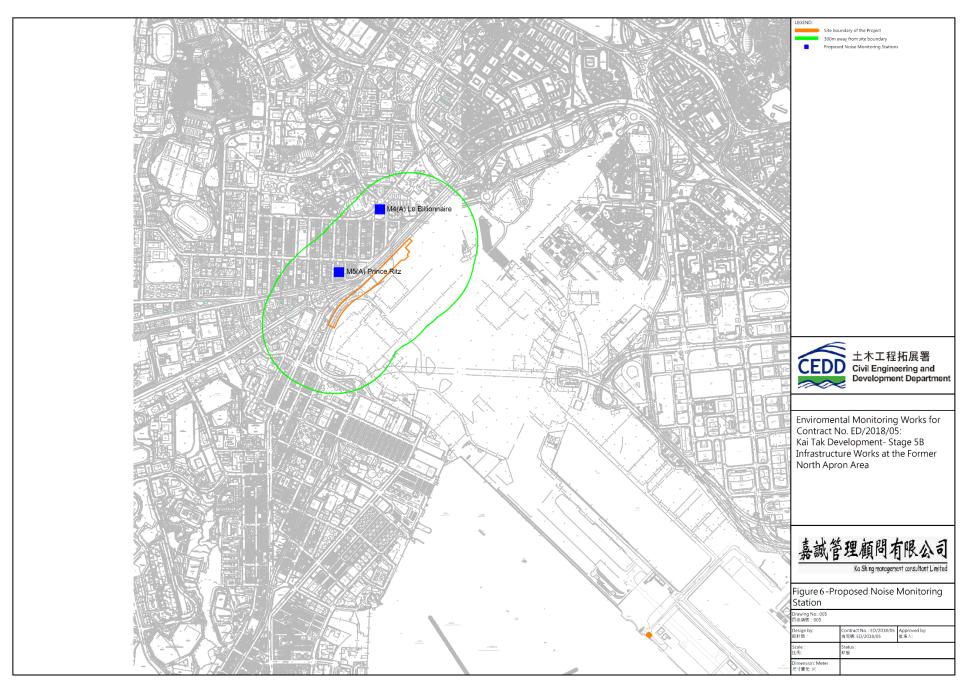
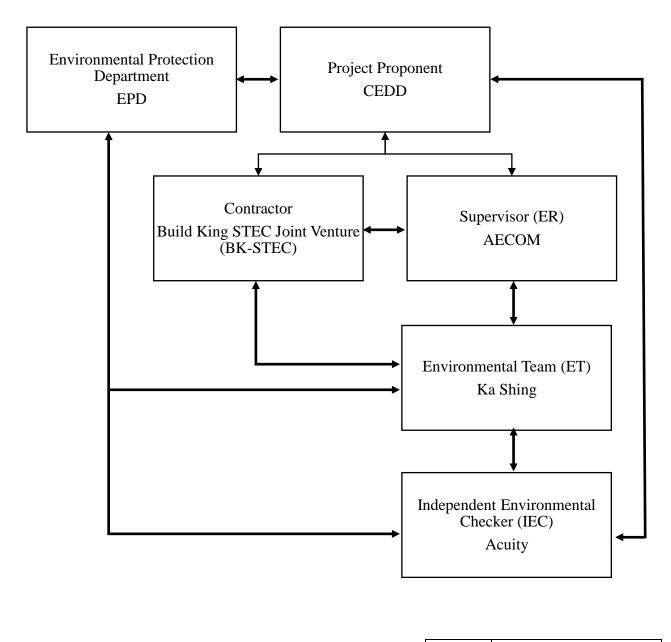
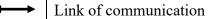


Figure 6 – Noise Monitoring Stations

**Appendix A – Organization Chart of EM&A Team** 





# **Appendix B – Construction Programme**

	Activity Name	Dur (d)		Early Finish	07.000.00	30 he 20	Float		JAS	ONI	DJFN	AMJ	JAS	OND	JFM	AMJ	JAS	OND	JFMA	V M J	JAS
I TAK DEVELOPMENT KEY DATES	F-STAGE 5B INFRASTRUCTURE WORKS AT THE FORMER NORTH APRON AREA	1762 2170	22-Jul-20 22-Jul-20	30-Jun-26 30-Jun-26	07-Apr-20 22-Jul-20	30-Jun-26 30-Jun-26	0	2													_
DATES 0.KD.1000	Contract date	0	22-Jul-20	00-0011-20	22-Jul-20	00-0011-20	0	2				+	+	<u> </u>		+		l			
0.KD.1010	Contract starting date	0	31-Jul-20		31-Jul-20		0	2		1	1							1 1		1	
D.KD.1020	Contract completion date	0		30-Jun-26		30-Jun-26	0	2	-	1	1		†	1		1	I	·		†-	
CESS DATES		1429	31-Jul-20	29-Jun-24	07-Apr-20	29-Jun-24	0	2	-	:	-			1	-				++		_
D.KD.1030	Parts 1, 1A, 1B, 2, 3, 4, 7, 8 and 9	0	31-Jul-20		07-Apr-20		-115	2	₹	1	1	1		1		1		1	1		
D.KD.1040	Part 5	0	30-Jun-22		30-Jun-22		0	2			1					1	V				
D.KD.1050	Part 6	0	29-Jun-24		29-Jun-24		0	2		1	1	1	1	1	1	1		1		1	
TD.KD.1060	Part 6A	0	30-Jun-21		30-Jun-21		0	2				1	V .								
TD.KD.1070	WorksAreas WA1, WA2, WA3, WA4, WA5, WA6 and WA7	0	31-Jul-20		31-Jul-20		0	2		1	1	1	1		1			1			
KTD.KD.1080	Part 10 and WorksArea WA4A	0	29-Jan-21		29-Jan-21		0	2			▼										
KTD.KD.1090	WorksArea WA8	0	31-Jul-22		31-Jul-22		0	2		1	1	1	T	1	1		V			T	
ONTRACT SECTIONAL	L COMPLETION DATES	1483	30-Jun-21	30-Jun-26	10-May-21	30-Jun-26	0	ale de la companya de				1	Ý								
KTD.KD.1100	Section 1:Compl of all works within Parts 1 and 8 and Elevated Landscaped Walkway LW-02	0		22-Feb-24		22-Feb-24	0	2		1	1									1	
KTD.KD.1110	Section 2:Compl of all works within Parts 1B, 6A and 7 and remaining works of all Parts	0		07-Feb-25		30-Jun-26	508	2		1	1										
KTD.KD.1120	Section 3A:Compl of all works within Parts 1A and 5 and drainage and sewage works within Part 6	0		22-Jun-24		22-Jun-24	0	2		1											
KTD.KD.1121	Section 3B:Compl of all works within Parts 1A and 5 and drainage and sewage works within Part 6	0		22-Jun-24		22-Jun-24	0	1			1										
KTD.KD.1130	Section 4:Compl of all UU and services within Part 4	0		30-Jun-21		30-Jun-21	0	2		1	1	1	Ÿ		1						
KTD.KD.1140	Section 5:Compl of all UU and services within Part 3, rising mains diversion & demolition of ext, structures	0		21-Dec-21		17-Dec-21	-4	2		<u> </u>	<u> </u>	<u> </u>		V	<b>/</b>						
KTD.KD.1150	Section 6:Compl of all works within Part 2 and Part 10	0		27-Apr-22		29-Mar-22	-29	2		1						V					
KTD.KD.1160	Section 7:Compl of all works within Part 3 (Subj to excision within 416days from starting date)	0		25-Feb-24		25-Feb-24	0	2				ļ	ļ		ļ	ļ	ļ				
KTD.KD.1170	Section 8:Compl of all Box Culvert B1 within Parts 1 and 3 and diversion and abandon works	0		29-Jul-21		10-May-21	-80	2					₹								
KTD.KD.1180	Section 9:Compl of DCS works within Parts 1 and 1A (Subj to excision within 239days from starting date)	0		22-Dec-23		22-Dec-23	0	2													
KTD.KD.1190	Section 10:Compl of establ work for all landscape works(except Sections 14, 15 and 16)	0		26-Dec-24		26-Dec-24	0	2													
KTD.KD.1200	Section 11:Compl of all works within Part 4 (Subj to excision within 244days from starting date)	0		25-Feb-24		25-Feb-24	0	2					l		<u> </u>						
KTD.KD.1210	Section 12:Compl of all SB-01 within Part 1A	0		25-Sep-24		25-Sep-24	0	2		1		1									
KTD.KD.1220	Section 13:Compl of all works within Part 6	0		31-Dec-24		30-Jun-26	546	2													
KTD.KD.1230	Section 14:Compl of estab work for landscape works within Part 3 (Subj to excision within 416days from starting date)	0		24-Feb-25		24-Feb-25	0	2		1	1	1			1						
KTD.KD.1240	Section 15: Compl of estab work for landscape works within Part 4 (Subj to excision within 244days from starting date)	0		24-Feb-25		24-Feb-25	0	2		1											
KTD.KD.1250	Section 16:Compl of establ work for landscape works within Part 6	0		30-Jun-26		30-Jun-26	0	2		1	1	1			1						
KTD.KD.1260	Section 17:Compl of establ work for landscape works under Section 1	0		21-Feb-25		25-Sep-24	-149	2			1										
ESIGN, SUBMISSIONS	S, PERMIT APPLICATION & APPROVAL	240	22-Jul-20	18-Mar-21	04-Oct-20	30-Jun-26	1930	2	-	1	1	7	[		1						
KTD.KD.1270	Prepare/submission of temporary works design	30	22-Jul-20	20-Aug-20	04-Oct-20	02-Nov-20	74	2			1										
KTD.KD.1280	Consultation/approval of temporary works design	60	21-Aug-20	19-Oct-20	03-Nov-20	01-Jan-21	74	2		þ.	1		1								
KTD.KD.1290	Prepare/submit Temp Geolechnical&Structural Works to HyD/TD/CEDD/GEO and others (incl SB-01 by RTBM, etc.)	30	22-Jul-20	20-Aug-20	03-Nov-25	02-Dec-25	1930	2													
KTD.KD.1300	Consult/approve Temp Geotechnical&Structural Works by HyD/TD/CEDD/GEO and others (incl SB-01 by RTBM, etc.)	120	21-Aug-20	18-Dec-20	03-Dec-25	01-Apr-26	1930	2		;	1	1	1		1						
KTD.KD.1310	Prepare/submission of Temporary Drainage and Sewerage Management Plan to DSD/CEDD and others	30	22-Jul-20	20-Aug-20	02-Apr-26	01-May-26	2080	2													
KTD.KD.1320	Consultation/approval of Temporary Drahage and Sewerage Management Plan by DSD/CEDD and others	60	21-Aug-20	19-Oct-20	02-May-26	30-Jun-26	2080	2		-		-			1						
KTD.KD.1330	Application/approval of CNP for night works by relevant authorities and liaison with projects nearby	90	19-Dec-20	18-Mar-21	02-Apr-26	30-Jun-26	1930	2			¢	1									
KTD.KD.1340	Application/approval of permits or other statutory submissions by relevant authorities (i.e. CEDD, HyD, WSD, XPMS & EPD)	180	31-Jul-20	26-Jan-21	02-Jan-26	30-Jun-26	1981	2		1	-										
EMPORARY TRAFFIC	MANGEMENT	240	31-Jul-20	27-Mar-21	18-Sep-20	30-Jun-26	1921	2		1	1	*	<u> </u>								
KTD.KD.1370	Prepare/Submit/Consult/Approval of TTA for loading/unloading at Sa Po Road and Concorde Road roundabout	60	31-Jul-20	28-Sep-20	27-Aug-21	25-Oct-21	392	2		ļ											
KTD.KD.1380	Prepare/Submit/Consult/Approval of TTA for working platform erection crossing Concorde Road roundabout	90	29-Sep-20	27-Dec-20	02-Jul-22	29-Sep-22	641	2		-	3	-	l		]	1					
KTD.KD.1390	Prepare/Submit/Consult/Approval of TTA for Gl/diversion/preliminary works at PERE and Sa Po Road	90	31-Jul-20	28-Oct-20	03-Nov-25	31-Jan-26	1921	2		-	1	1	1								
KTD.KD.1400	Prepare/Submit/Consult/Approval of TTA for 2-staged Sa Po Road and PERE W/B diversion	90	30-Aug-20	27-Nov-20	03-Dec-25	02-Mar-26	1921	2		<u> </u>											1
KTD.KD.1410	Prepare/Submit/Consult/Approval of TTA for road and drahage works along Olympic Avenue	120	28-Nov-20	27-Mar-21	03-Mar-26	30-Jun-26	1921	2			1	3	1	1							
KTD.KD.2180	1st TMLG Meeting	0		18-Sep-20		18-Sep-20	0	2													
KTD.KD.2220	2nd TMLG Meeting	0		19-Nov-20		19-Nov-20	0	2		A	1	1						1	T		
KTD.KD.2230	3rd TMLG Meeting	0		15-Jan-21		14-Jan-21	0	2			▼										
KTD.KD.2240	4th TMLG Meeting	0		23-Mar-21		23-Mar-21	0	2				V	[	1	1						
ONSTRUCTION HEAL	TH AND SAFETY MANAGEMENT	1801	22-Jul-20	26-Jun-25	23-Jul-20	26-Jun-25	0	2	-			1			1						
KTD.KD.1420	Prepare/submit of Draft Safety Plan	13	22-Jul-20	03-Aug-20	23-Jul-20	04-Aug-20	1	2	0	1	1	1	[	[						T	
KTD.KD.1430	Prepare/submit Safety Plan	21	04-Aug-20	24-Aug-20	05-Aug-20	25-Aug-20	1	2													
KTD.KD.1440	Conduct meeting to discuss Draft Safety Plan	0		03-Aug-20		03-Aug-20	0	2		1	1	1	[							-	-
KTD.KD.1450	Prepare/submit Site Traffic Safety Management Plan	41	22-Jul-20	31-Aug-20	23-Jul-20	01-Sep-20	1	2													
	Prepare/submit Construction Health and Safety Plan	29	22-Jul-20	19-Aug-20	23-Jul-20	20-Aug-20	1	2		1		1			1	1					-
KTD.KD.1460		1	26-Aug-20	26-Aug-20	26-Aug-20	26-Aug-20	0	2	1			1									
	1st SSMC Meeting		00.0 00	23-Sep-20	23-Sep-20	23-Sep-20	0	2	1	I.	1	1	1		1					-	
KTD.KD.1460	1st SSMC Meeting 2nd SSMC Meeting	1	23-Sep-20		00.0.00	29-Oct-20	0	2		1		1	1	1	1						
KTD.KD.1460 KTD.KD.1470		1	23-Sep-20 29-Oct-20	29-Oct-20	29-Oct-20	20 000 20			E				1								
KTD.KD.1460 KTD.KD.1470 KTD.KD.1480	2nd SSMC Meeting	1 1 1			29-Oct-20 26-Nov-20		0	2		1		1	1		1						
KTD.KD.1460 KTD.KD.1470 KTD.KD.1480 KTD.KD.1490	2nd SSMC Meeting 3rd SSMC Meeting	1 1 1 1	29-Oct-20	26-Nov-20	26-Nov-20	26-Nov-20	-	2													
KTD.KD.1460 KTD.KD.1470 KTD.KD.1480 KTD.KD.1490 KTD.KD.1500	2nd SSMC Meeting 3rd SSMC Meeting 4th SSMC Meeting	1 1 1 1 1 1	29-Oct-20 26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	-	1			1										
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KTD.KD.1460 KTD.KD.1470 KTD.KD.1480 KTD.KD.1490 KTD.KD.1500 KTD.KD.1510 KTD.KD.1520	2nd SSMC Meeting         3rd SSMC Meeting         4th SSMC Meeting         5th SSMC Meeting         6th SSMC Meeting	1 1 1 1 1 1 1 1	29-Oct-20 26-Nov-20 31-Dec-20 28-Jan-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21	26-Nov-20 31-Dec-20 28-Jan-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21	0	2			1										
KTD.KD.1460 KTD.KD.1470 KTD.KD.1480 KTD.KD.1490 KTD.KD.1500 KTD.KD.1510 KTD.KD.1520 KTD.KD.1530	2nd SSMC Meeting         3rd SSMC Meeting         4th SSMC Meeting         5th SSMC Meeting         6th SSMC Meeting         7th SSMC Meeting	1 1 1 1 1 1 1 1 1 1	29-Oct-20 26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21	0	2 2 2			1										
KTD.KD.1460 KTD.KD.1470 KTD.KD.1480 KTD.KD.1490 KTD.KD.1500 KTD.KD.1510 KTD.KD.1520 KTD.KD.1530 KTD.KD.1540	2nd SSMC Meeting         3rd SSMC Meeting         4th SSMC Meeting         5th SSMC Meeting         6th SSMC Meeting         7th SSMC Meeting         8th SSMC Meeting	1 1 1 1 1 1 1 1 1 1	29-Oct-20 26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21	0 0 0	2 2 2 2			1	-									
KTD.KD.1460 KTD.KD.1470 KTD.KD.1480 KTD.KD.1490 KTD.KD.1500 KTD.KD.1510 KTD.KD.1520 KTD.KD.1530 KTD.KD.1540 KTD.KD.1550	2nd SSMC Meeting         3rd SSMC Meeting         4th SSMC Meeting         5th SSMC Meeting         6th SSMC Meeting         7th SSMC Meeting         8th SSMC Meeting         9th SSMC Meeting         9th SSMC Meeting	1 1 1 1 1 1 1 1 1	29-Oct-20 26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21 29-Apr-21	0 0 0 0 0 0	2 2 2 2													Da
KTD.KD.1460 KTD.KD.1470 KTD.KD.1480 KTD.KD.1490 KTD.KD.1500 KTD.KD.1510 KTD.KD.1520 KTD.KD.1520 KTD.KD.1530 KTD.KD.1540 KTD.KD.1550 ▼ Milestone	2nd SSMC Meeting         3rd SSMC Meeting         4th SSMC Meeting         5th SSMC Meeting         7th SSMC Meeting         8th SSMC Meeting         9th SSMC Meeting         9th SSMC Meeting         Planned Work		29-Oct-20 26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21 29-Apr-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21 29-Apr-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21 29-Apr-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21 29-Apr-21	0 0 0 0	2 2 2 2 2 2			       	1								03-M	1000
KTD.KD.1460 KTD.KD.1470 KTD.KD.1480 KTD.KD.1490 KTD.KD.1500 KTD.KD.1510 KTD.KD.1520 KTD.KD.1530 KTD.KD.1540 KTD.KD.1550	2nd SSMC Meeting         3rd SSMC Meeting         4th SSMC Meeting         5th SSMC Meeting         7th SSMC Meeting         8th SSMC Meeting         9th SSMC Meeting         9th SSMC Meeting         Planned Work		29-Oct-20 26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21 29-Apr-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21 29-Apr-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21 29-Apr-21	26-Nov-20 31-Dec-20 28-Jan-21 25-Feb-21 24-Mar-21 29-Apr-21	0 0 0 0 0 0 0 0 0	2 2 2 2 2 2		s at f	the F	orme	er No	orth A	Aproi	n Are	ea la				May

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	Activity Name	Dur (d)	Early Start	Early Finish	Late Start	Late Finish	Total Float	Calendar		OND		2021	OND	I E M				JEM	2023	ASON	D
KTD.KD.1560	10th SSMC Meeting	1	27-May-21		27-May-21	27-May-21		2	13/4/3			JUMO	OINID	JIL	~[111] 3	51415					-
KTD.KD.1570	11th SSMC Meeting	1	24-Jun-21	24-Jun-21	24-Jun-21	24-Jun-21	0	2				1						<u> </u>			
KTD.KD.1580	12th SSMC Meeting	1	29-Jul-21	29-Jul-21	29-Jul-21	29-Jul-21	0	2				1									1
KTD.KD.1590	13th SSMC Meeting	1	26-Aug-21	26-Aug-21	26-Aug-21	26-Aug-21	0	2		L				ļļ		ļ	/				_
KTD.KD.1600	14th SSMC Meeting	1	30-Sep-21		30-Sep-21	30-Sep-21	0	2													-
KTD.KD.1610	15th SSMC Meeting	1	28-Oct-21	28-Oct-21	28-Oct-21	28-Oct-21	0	2		-				ļļ		ļ					-+
KTD.KD.1620	16th SSMC Meeting	1	25-Nov-21		25-Nov-21 30-Dec-21	25-Nov-21 30-Dec-21	0	2													1
KTD.KD.1630	17th SSMC Meeting		30-Dec-21	30-Dec-21 27-Jan-22	27-Jan-22		0	2	ļ					<u> </u>		<u> </u> '					-+
KTD.KD.1640	18th SSMC Meeting	1	24-Feb-22		24-Feb-22	24-Feb-22	0	2						Ľ. I							
KTD.KD.1650 KTD.KD.1660	19th SSMC Meeting 20th SSMC Meeting	1		31-Mar-22	31-Mar-22			2		·		-+				'	l				-+
KTD.KD.1670	21st SSMC Meeting	1	109/00000000000000000000000000000000000	28-Apr-22	28-Apr-22		0	2							1						Ì
KTD.KD.1680	22nd SSMC Meeting	1		26-May-22				2		·						/					-+
KTD.KD.1690	23rd SSMC Meeting	1		30-Jun-22	30-Jun-22	30-Jun-22	0	2									1 /				1
KTD.KD.1700	24th SSMC Meeting	1	28-Jul-22	28-Jul-22	28-Jul-22	28-Jul-22	0	2						11		T		11			-+
KTD.KD.1710	25th SSMC Meeting	1		25-Aug-22		25-Aug-22	0	2								1					1
KTD.KD.1720	26th SSMC Meeting	1	29-Sep-22	29-Sep-22	29-Sep-22	29-Sep-22	0	2													1
KTD.KD.1730	27th SSMC Meeting	1	2	27-Oct-22	27-Oct-22		0	2									1			1	ł
KTD.KD.1740	28th SSMC Meeting	1	24-Nov-22	24-Nov-22	24-Nov-22	24-Nov-22	0	2		:t-				ii		[	1				-+
KTD.KD.1750	29th SSMC Meeting	1	29-Dec-22	29-Dec-22	29-Dec-22	29-Dec-22	0	2													1
KTD.KD.1760	30th SSMC Meeting	1		26-Jan-23	26-Jan-23	26-Jan-23	0	2		-						[		1			
KTD.KD.1770	31st SSMC Meeting	1		23-Feb-23			-	2										1			
KTD.KD.1780	32nd SSMC Meeting	1		30-Mar-23	30-Mar-23	30-Mar-23		2		-				†			[	[			
KTD.KD.1790	33rd SSMC Meeting	1	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23	0	2											1		
KTD.KD.1800	34th SSMC Meeting	1	25-May-23	25-May-23	25-May-23	25-May-23	0	2						11					1		-†
KTD.KD.1810	35th SSMC Meeting	1	29-Jun-23	29-Jun-23	29-Jun-23	29-Jun-23	0	2											i		1
KTD.KD.1820	36th SSMC Meeting	1	27-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23	0	2												r	-
KTD.KD.1830	37th SSMC Meeting	1	31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23	0	2											1	1	1
KTD.KD.1840	38th SSMC Meeting	1	28-Sep-23	28-Sep-23	28-Sep-23	28-Sep-23	0	2	1	ii-				1		[				1	Ť
KTD.KD.1850	39th SSMC Meeting	1	26-Oct-23	26-Oct-23	26-Oct-23	26-Oct-23	0	2												1	
KTD.KD.1860	40th SSMC Meeting	1	30-Nov-23	30-Nov-23	30-Nov-23	30-Nov-23	0	2		ll-				ii		·		11			1
KTD.KD.1870	41st SSMC Meeting	1	28-Dec-23	28-Dec-23	28-Dec-23	28-Dec-23	0	2													Ę.
KTD.KD.1880	42nd SSMC Meeting	1	25-Jan-24	25-Jan-24	25-Jan-24	25-Jan-24	0	2		ŀ				1		i	†	11			
KTD.KD.1890	43rd SSMC Meeting	1	29-Feb-24	29-Feb-24	29-Feb-24	29-Feb-24	0	2	-												
KTD.KD.1900	44th SSMC Meeting	1	28-Mar-24	28-Mar-24	28-Mar-24	28-Mar-24	0	2	1	t-				1			1	1	1	1	1
KTD.KD.1910	45th SSMC Meeting	1	25-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24	0	2													
KTD.KD.1920	46th SSMC Meeting	1	30-May-24	30-May-24	30-May-24	30-May-24	0	2													1
KTD.KD.1930	47th SSMC Meeting	1	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24	0	2													
KTD.KD.1940	48th SSMC Meeting	1	25-Jul-24	25-Jul-24	25-Jul-24	25-Jul-24	0	2	1	ii-				11				1			T
KTD.KD.1950	49th SSMC Meeting	1	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	0	2													1
KTD.KD.1960	50th SSMC Meeting	1	26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24	0	2		tt-				1				11			
KTD.KD.1970	51st SSMC Meeting	1	31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24	0	2													1
KTD.KD.1980	52nd SSMC Meeting	1	28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24	0	2		h											1
KTD.KD.1990	53rd SSMC Meeting	1	26-Dec-24	26-Dec-24	26-Dec-24	26-Dec-24	0	2													1
KTD.KD.2000	54th SSMC Meeting	1	30-Jan-25	30-Jan-25	30-Jan-25	30-Jan-25	0	2	1	1		1		1		1	1	1	1		1
KTD.KD.2010	55th SSMC Meeting	1	27-Feb-25	27-Feb-25	27-Feb-25	27-Feb-25	0	2													
KTD.KD.2020	56th SSMC Meeting	1	27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25	0	2													-
KTD.KD.2030	57th SSMC Meeting	1	24-Apr-25	24-Apr-25	24-Apr-25	24-Apr-25	0	2													
KTD.KD.2040	58th SSMC Meeting	1	29-May-25	29-May-25	29-May-25	29-May-25	0	2						i							1
KTD.KD.2050	59th SSMC Meeting	1	26-Jun-25	26-Jun-25	26-Jun-25	26-Jun-25	0	2													
<b>BIM RELATED DELIVER</b>	RABI FS	1653	31-Jul-20	07-Feb-25	01-Aug-20	30-Jun-26	508	2	-	<u>}</u>				 		1	1	1			
KTD.KD.2060	Prepare/submit BM Execution Plan	29	31-Jul-20	28-Aug-20	01-Aug-20	29-Aug-20	1	2													1
KTD.KD.2070	Prepare/submit Combined Services Drawings and CBWD generated from BM	44	31-Jul-20	12-Sep-20	01-Aug-20	13-Sep-20	1	2		t				11							
KTD.KD.2080	Prepare/submit proposal of asset information requirement	364	31-Jul-20	29-Jul-21	01-Aug-20	30-Jul-21	1	2		<u> </u>											1
KTD.KD.2090	Prepare/submit Asset Data Deliverables for Section 1	60	25-Dec-23	22-Feb-24	02-May-26	30-Jun-26	859	2		11-				1			1			1	¢
KTD.KD.2100	Prepare/submit Asset Date Deliverables for Section 2	60	10-Dec-24	07-Feb-25	02-May-26	30-Jun-26	508	2													1
KTD.KD.2110	Prepare/submit Asset Date Deliverables for Section 3	60	23-Jun-24	21-Aug-24	02-May-26	30-Jun-26	678	2		††											1
KTD.KD.2120	Prepare/submit Asset Date Deliverables for Section 4	60	02-May-21	30-Jun-21	02-May-26	30-Jun-26	1826	2				<b></b>									
KTD.KD.2130	Prepare/submit Asset Date Delive rables for Section 5	60	23-Oct-21		02-May-26		1652	2	-	††				††		†	·	††			÷
KTD.KD.2140	Prepare/submit Asset Date Delive rables for Section 6	60	27-Feb-22	27-Apr-22	02-May-26	30-Jun-26	1525	2													
KTD.KD.2150	Prepare/submit Asset Date Deliverables for Section 7	60	28-Dec-23	25-Feb-24	02-May-26	30-Jun-26	856	2		††				1		+	1	1			÷È
KTD.KD.2160	Prepare/submit Asset Date Deliverables for Section 8	60	31-May-21	29-Jul-21	02-May-26	30-Jun-26	1797	2		1 1		÷									
KTD.KD.2170	Prepare/submit Asset Date Delive rables for Section 9	60	24-Oct-23		02-May-26	30-Jun-26	921	2		††				11		1		11	1		
KTD.KD.2190	Prepare/submit Asset Date Delive rables for Section 11	60	28-Dec-23	25-Feb-24	02-May-26	30-Jun-26	856	2													È
	Prepare/submit Asset Date Delive rables for Section 12	60	28-Jul-24	25-Sep-24		1	643	2		1				1		1	1	1	1		1
KTD.KD.2200	Prepare/submit Asset Date Delive rables for Section 13	60	02-Nov-24	31-Dec-24	02-May-26	30-Jun-26	546	2													
KTD.KD.2200 KTD.KD.2210						1	cal-case and	h	E.					• •				<u> </u>			
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KTD.KD.2210	Diagonal Work					R	ev 46													Date	Τ
KTD.KD.2210	Planned Work	/2048/05 V .: T.L	Dever	mont	Starr		ev. 46	turne 1	Vorte	at 11	Earr	or Mr	rth A	Inco	۸					Date ay-24	V
KTD.KD.2210		/2018/05 Kai Tak I	Develop	oment -			astruc			at th	e Form	ier No	rth A	Apror	n Are	a			03-Ma		V

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	Activity Name	Dur (d)	Early Start	Early Finish		Late Finish	Total Float	Calendar	JASONDJEMAMJJASONDJEMAMJJASONDJEMAN
the second se	CEME DROP-OFF SCHEDULE	832	31-Jul-20	09-Nov-22	31-Jul-20	09-Nov-22	0	2	
TD.VE.1000	Review/prepare/submit VE scheme for permanent concrete segment for Pedestrian Subway SB-01	488	31-Jul-20	30-Nov-21	31-Jul-20	30-Nov-21	0	2	
TD.VE.1010	Review/prepare/submit VE scheme for alternative alignment for Pedestrian Subway SB-01	488	31-Jul-20	30-Nov-21	31-Jul-20	30-Nov-21	0	2	
TD.VE.1020	Review/prepare/submit VE scheme for piling arrangement for new pier of existing Bridge K73	671	31-Jul-20	01-Jun-22	31-Jul-20	01-Jun-22 09-Nov-22	0	2	
CTD.VE.1030	Review/prepare/submit VE scheme for piling arrangement for abutment of Slip Road S14	832	31-Jul-20	09-Nov-22	31-Jul-20		0	2	
CTD.VE.1050	Review/prepare/submit VE scheme for piling arrangement for lift shaft and staircase of LW-02	631 1350	31-Jul-20 22-Jul-20	22-Apr-22 07-Feb-25	31-Jul-20 07-Apr-20	22-Apr-22 30-Jun-26	412	2	
VIL AND STRUCTURAL GENERAL AND PRELIM		1313	31-Jul-20		01-Aug-20	30-Jun-26	441		
KTD.GW.1000	General and preliminary works (inclu site formation, site set-up, access, temp drain. sys, ground investigation and etc)	1200	31-Jul-20	15-Aug-24	State of the State of the	30-Jun-25	257	1	
KTD.GW.1010	Construction, maintenance and removal of ICA, EVA, Crowd Dispersal Route and other temporary access	1313	31-Jul-20	31-Dec-24	22-Jan-21	30-Jun-25	144	1	
KTD.GW.1020	Prepare/submit site arrangement plan (inclu hoarding, project sign board and security arrangement)	13	31-Jul-20	12-Aug-20	01-Aug-20	13-Aug-20	1	2	
KTD.GW.1030	Design/submit/approval site layout plan and Contractor's site accommodation using MiC method	44	13-Aug-20	25-Sep-20	14-Aug-20	26-Sep-20	1	2	
KTD.GW.1040	Construct foundation and erect Contractor's site accommodation	76	26-Sep-20	29-Dec-20		30-Jun-26	1629	1	
KTD.GW.1050	The e Suney	27	31-Jul-20	26-Aug-20	01-Aug-20	27-Aug-20	1	2	
KTD.GW.1055	Initial tree survey report and tree felling application	120	27-Aug-20	24-Dec-20	26-Nov-20	25-Mar-21	91	2	
		77	25-Dec-20	11-Mar-21	26-Mar-21	10-Jun-21	91	2	
KTD.GW.1056	Obtain tree felling permit from relevant authorities	12	12-Mar-21	25-Mar-21	11-Jun-21	25-Jun-21	72	1	
KTD.GW.1060	Tree felling works at Sa Po Road to facilitate construction of road diversion (Stage 1, 9 nos.)	7			26-Jun-21	05-Jul-21	16	1	
KTD.GW.1061	Tree felling works at Sa Po Road to facilitate existing utilities diversion works (5 nos.)	(	07-Jun-21	15-Jun-21			1571	1	
KTD.GW.1065	Tree felling worksat Kai Tak Area	60	28-Dec-20	11-Mar-21	18-Apr-26	30-Jun-26	1497	1	
KTD.GW.1070	Protection to retained trees and tree transplating works	234	27-Aug-20	12-Jun-21	13-Sep-25	30-Jun-26	1.000	1	
	DESTRIAN SUBWAY SB-01	1232	22-Jul-20	12-Sep-24		25-Sep-24	10	2	
	MISSIONS FOR PEDESTRIAN SUBWAY SB-01	330	06-Jan-21	01-Dec-21	30-May-21	10-Jul-22	221	2	
KTD.SB.SUBM.1000	Prepare ELS Design for Launching Shaft @Kai Tak Area	60	06-Jan-21	06-Mar-21	30-May-21	28-Jul-21			
KTD.SB.SUBM.1010	Review/comment ELS Design for Launching Shaft @Kai Tak Area and obtain ICE certificate	30	07-Mar-21	05-Apr-21	29-Jul-21	27-Aug-21	144	2	
KTD.SB.SUBM.1020	Consult/obtain approval of ELS Design for Launching Shaft @Kai Tak Area by AECOM	45	06-Apr-21	20-May-21	28-Aug-21	11-Oct-21	144	2	
KTD.SB.SUBM.1030	Prepare ELS Design for Retreiving Shaft @Sa Po Road	60	28-Feb-21	28-Apr-21	03-Sep-21	01-Nov-21	187	2	
KTD.SB.SUBM.1040	Review/comment ELS Design for Retreiving Shaft @Sa Po Road and obtain ICE certificate	30	29-Apr-21	28-May-21	02-Nov-21	01-Dec-21	187	2	
KTD.SB.SUBM.1050	Consult/obtain approval of ELS Design for Retreiving Shaft @Sa Po Road by AECOM	187	29-May-21	01-Dec-21	02-Dec-21	06-Jun-22	187	2	
KTD.SB.SUBM.1060	Prepare/submit GEO Submission for trenchless tunnel by RTBM to GEO/CEDD	90	10-Jan-21	09-Apr-21	21-Sep-21	19-Dec-21	254	2	
KTD.SB.SUBM.1070	Consult/obtain approval of GEO Submission for trenchless tunnel by RTBM by GEO/CEDD	203	10-Apr-21	29-Oct-21	20-Dec-21	10-Jul-22	254	2	
KTD.SB.SUBM.1080	Prepare/submit HyD B&S Submission for precast lining and re-alignment to HyD B&S	60	09-Feb-21	09-Apr-21	09-Jul-21	06-Sep-21	150	2	
KTD.SB.SUBM.1090	Consult/obtain AIP of HyD B&S Submission for precast lining and re-alignment by HyD B&S	60	10-Apr-21	08-Jun-21	07-Sep-21	05-Nov-21	150	2	
KTD.SB.SUBM.1100	Consult/obtain DDA of HyD B&S Submission for precast lining and re-align ment by HyD B&S	169	09-Jun-21	24-Nov-21	06-Nov-21	23-Apr-22	150	2	
APPLICATION FOR WOR	KING VISA OF MAINLAND WORKERS FOR PEDESTRIAN SUB WAY SB-01	334	25-Nov-21	24-Oct-22	03-Jan-22	26-Oct-22	2	2	· · · · · · · · · · · · · · · · · · ·
KTD.SB.VISA.1000	Prepare/submit/approval working visa for segment construction workers	90	25-Nov-21	22-Feb-22	03-Jan-22	02-Apr-22	39	2	
KTD.SB.VISA.1010	Travel from Mainland to HK for segment construction workers	7	23-Feb-22	01-Mar-22	03-Apr-22	09-Apr-22	39	2	
KTD.SB.VISA.1020	Prepare/submit/approval for HKID and obtain Green Card/Blue Card for segment construction workers	14	02-Mar-22	15-Mar-22	10-Apr-22	23-Apr-22	39	2	
KTD.SB.VISA.1030	Prepare/submit/approval for Working Visa for tunneling construction workers	90	05-May-22	02-Aug-22	07-May-22	04-Aug-22	2	2	
KTD.SB.VISA.1040	Travel from Mainland to HK for tunneling construction workers	7	03-Aug-22	09-Aug-22	05-Aug-22	11-Aug-22	2	2	0
KTD.SB.VISA.1050	Prepare/submit/approval for HKID and obtain Green Card/Blue Card for tunneling construction workers	14	10-Aug-22	23-Aug-22	12-Aug-22	25-Aug-22	2	2	
KTD.SB.VISA.1060	Obtain confined space certified worker/competent person certificate for tunneling construction workers	7	28-Aug-22	03-Sep-22	30-Aug-22	05-Sep-22	2	2	
KTD.SB.VISA.1070	Medical check for Form 3 and 6/receive reports for tunneling construction workers	21	04-Sep-22	24-Sep-22	06-Sep-22	26-Sep-22	2	2	
KTD.SB.VISA.1080	Submit/approval for Form 3 and 6 by Labour Department for tunneling construction workers	30	25-Sep-22	24-Oct-22	27-Sep-22	26-Oct-22	2	2	
PROCUREMENT, MANUF	ACTURING AND DELIVERY OF RTBM & FABRICATION OF PRECAST UNITS	619	22-Jul-20	22-Aug-22	06-Aug-20	30-Sep-22	33		
KTD.SB.PDF.1000	Design RTBM and associated equipment (cradle, back thrust wall and etc.)	339	22-Jul-20	25-Jun-21	06-Aug-20	10-Jul-21	15	2	
KTD.SB.PDF.1010	Procurement and manufacture RTBM and associated equipment	340	26-Jun-21	31-May-22	11-Jul-21	15-Jun-22	15	2	
KTD.SB.PDF.1011	Conduct FAT for RTBM and assoicated equipment	1	01-Jun-22	01-Jun-22	16-Jun-22	16-Jun-22	15	2	
KTD.SB.PDF.1020	Complete RTBM manufacturing, packing and deliver to HK	70	02-Jun-22	10-Aug-22	17-Jun-22	25-Aug-22	15	2	
KTD.SB.PDF.1030	Design/submit/approve steel mould for precast segment construction	73	01-Sep-21	12-Nov-21	06-Oct-21	17-Dec-21	35	2	
KTD.SB.PDF.1040	Procurement and manufacture steel mould and associated equipment	67	13-Nov-21	18-Jan-22		22-Feb-22	35	2	
KTD.SB.PDF.1050	Deliver steel mould and associated equipment to HK	28	19-Jan-22	15-Feb-22		22-Mar-22	35	2	
KTD.SB.PDF.1060	Assemble steel mould on casting yard	10	16-Feb-22			02-Apr-22	30	1	0
KTD.SB.PDF.1000	Design/submit/approve gantry and associated equipment	20	26-Oct-21	14-Nov-21		17-Jan-22	64	2	
KTD.SB.PDF.1070	Procurement and manufacture gantry and associated equipment	34	15-Nov-21		18-Jan-22	20-Feb-22	64	2	
	Produrement and manufacture gamty and associated equipment Pack/deliver gantry and associated equipment to HK	11	19-Dec-21	29-Dec-21		03-Mar-22	64	2	
KTD.SB.PDF.1090		34	10-Nov-21			08-Feb-22	57	2	
KTD.SB.PDF.1100	Excavate/compact/cast gantry footing at Casting Yard	20	14-Dec-21	08-Jan-22		03-Mar-22	43	1	
KTD.SB.PDF.1110	Install gantry rail to footing and construct hard pavement for Casting Yard	6	14-Dec-21 10-Jan-22		-	23-Apr-22	77	1	
KTD.SB.PDF.1120	Bakfill and compact rockfill layer for segment storage at Casting Yard			_				1	
KTD.SB.PDF.1130	Install gantry structure and assoicated equipment at Casting Yard and SAT	26	10-Jan-22			02-Apr-22	43	1	
KTD.SB.PDF.1140	Cut-and-bend rebar delivery and trial fix for precast segment construction	14	28-Feb-22		-	23-Apr-22		1	
KTD.SB.PDF.1150	Submit/approval for CNP for working on Sunday and Holiday for casting precast segments	45	30-Jan-22			23-Apr-22	39	2	
KTD.SB.PDF.1160	Construct precast segments (49nos, 3days/unit, Working on Sunday & Holiday)	160	16-Mar-22			30-Sep-22	100	2	
PEDESTRIAN SUBWAY S	A DESCRIPTION OF A DESC	1006	22-Jul-20	08-Dec-23		25-Sep-24	236		
KTD.SB.1000	Liaison/coordinate with utility and service undertakings on diversion works (including CLP, DCS work and etc.)	180	22-Jul-20	17-Jan-21			12	2	
KTD.SB.1010	Conduct seismic geophysical survey for PERE (Night time, lane-by-lane, 11 night shift) and Kai Tak Area (Day time)	15	04-Nov-20			11-Aug-21	212	1	
KTD.SB.1020	Expose and demolish existing foundation caps and locating existing piles (1 team) and formating working area	66	06-Jan-21	26-Mar-21	11-Jan-21	31-Mar-21	4	1	
									T
	Planned Work					Re	ev. 46		
V Milestone									
		Kai Tak I	Develor	ment -	Stage	5B Infra	astruc	cture W	Vorks at the Former North Apron Area
<ul> <li>Milestone</li> <li>Critical Milestone</li> <li>Critical Remainir</li> </ul>	ED/2018/05	Kai Tak E	Develop	ment -		5B Infra ORKS P			vorks at the Former North Aproli Area

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	Activity Name	Dur (d)	Early Start	Early Finish	Late Start	Late Finish	Float	Calenda	JASC	ONDJF	MAMJ	JASOI	DJFN	20 1 A M J		NDJF		JASO	NDJ	FMAN	2024 /  J J A !	SOND	JFMAI	2025 VIJJAS	ONDJF	MA
KTD.SB.1030	Formate working area and install protection to 132kV and Rising Main	18	27-Mar-21	100000000	01-Apr-21	26-Apr-21	4	1			þ															
KTD.SB.1040	Remove existing piles (37 nos, using DN2500 x 27 nos, 1 team)	52	22-Apr-21	24-Jun-21	27-Apr-21	29-Jun-21	4	1																		
KTD,SB.1050	Compact and formate the pile removal area for existing haul road diversion and install instrumentation	36	25-Jun-21	06-Aug-21	30-Jun-21	11-Aug-21	4	1						1								1				
KTD.SB.1060	Conduct diversion of existing 11kV cables by CLP	52	28-Jun-21	27-Aug-21	30-Jun-21	30-Aug-21	2	1						1								1				
KTD.SB.1070	Install sheetpile (FSP V, Lines B-A, A-F, F-E, D-E, D-C, 30mH, 1710m2, Team A)	50	10-Aug-21	08-Oct-21	12-Aug-21	11-Oct-21	2	1					1	1			1	1		1		1 1				
KTD.SB.1075	Install sheetpile (FSP V, remaining at Line B-A and C-D and Line B-C, 30mH, 1190m2, Team B)	34	28-Aug-21	08-Oct-21	31-Aug-21	11-Oct-21	2	1																		
KTD.SB.1080	Ground improvement works for break-in grout box (Vertical) and post-coring tests	60	09-Oct-21	18-Dec-21			230	1														++				
		7		18-Oct-21			2	1	-			n			1				1							
KTD,SB,1090	Excavate (GL@+6mPD to Strut 1@+5.0mPD, 520m3 exca)	1	09-Oct-21				2							÷			-+	<u> </u>							·····	
KTD.SB.1100	Install Strut 1 and Excavate (Strut 1@+5.0mPD to Strut 2@+3.0mPD, 1560m3 exca)	17	19-Oct-21	06-Nov-21			2	1					1		1											
KTD.SB.1110	Install Strut 2 and Excavate (Strut 2@+3.0mPD to Strut 3@+0.0mPD, 1300m3 exca)	20	08-Nov-21	30-Nov-21	10-Nov-21	02-Dec-21	2	1						Ļ												
KTD.SB.1120	Install Strut 3 and Excavate (Strut 3@+0.0mPD to Strut 4@-2.5mPD, 1300m3 exca)	20	01-Dec-21	23-Dec-21	03-Dec-21	28-Dec-21	2	1						1											l	
KTD.SB.1130	Install Strut 4 and Excavate (Strut 4@-2.5mPD to Strut 5@-5.0mPD, 1300m3 exca)	20	24-Dec-21	19-Jan-22	29-Dec-21	21-Jan-22	2	1					<b></b>													
KTD.SB.1140	Install Strut 5 and Excavate (Strut 5@-5.0mPD to Strut 6@-8.0mPD, 1300m3 exca)	20	20-Jan-22	15-Feb-22	22-Jan-22	17-Feb-22	2	1	1					1								1				1
KTD.SB.1150	Install Strut 6 and Excavate (Strut 6@-8.0mPD to FEL@-9.8mPD, 1040m3 exca)	20	16-Feb-22	10-Mar-22	18-Feb-22	12-Mar-22	2	1			1															
KTD.SB.1160	Construct RC structure of base slab and kicker (up to -8.0mPD, 540m3 conc)	35	11-Mar-22	25-Apr-22	14-Mar-22	27-Apr-22	2	1						<u></u>								1				
and the second		6		03-May-22			2	1			1 1			0												
KTD.SB.1170	Backfill and remove strut 6@-7.5mPD	0						1														+				
KTD.SB.1180	Construct RC structure of wall 1 (up to -5.0mPD, 250m3 conc)	15	04-May-22		-	-					1									1						
KTD.SB.1190	Backfill and remove strut 5@-4.5mPD	6	23-May-22				2	1	ļ			ļļ		0				ļļ								
KTD.SB.1200	Construct RC structure of wall 2 (up to -2.5mPD, 200m3 conc)	15	30-May-22	16-Jun-22	01-Jun-22	18-Jun-22	2	1																		
KTD.SB.1210	Backfill and remove strut 4@-2.0mPD	6	17-Jun-22	23-Jun-22	20-Jun-22	25-Jun-22	2	1						0												
KTD.SB.1220	Construct RC structure of wall 3 (up to +0.0mPD, 210m3 conc)	15	24-Jun-22	12-Jul-22	27-Jun-22	14-Jul-22	2	1						1								j T				
KTD.SB.1230	Backfill and remove strut 3@+0.5mPD	6	13-Jul-22	19-Jul-22	15-Jul-22	21-Jul-22	2	1		1				1	0					1		1	1			
KTD.SB.1240	Construct RC structure of wall and top slab with opening for RTBM Launching Works (up to 1.6mPD, 450m3 conc)	20	20-Jul-22	11-Aug-22	22-Jul-22	13-Aug-22	2	1	-			·		1								1				1
	Preparation works for RTBM and surface setup (Site setup, Gantry crane erection, showroom and etc.)	70	08-Jul-22	28-Sep-22			2	1												1						
KTD.SB.1250							2	1						<u>+</u>			-+	·				÷				
KTD.SB.1260	Assembly RTBM and associated equipment (install cradle, back thrust wall pad, RTBM and associates) and SAT	30	24-Aug-22				2													1						
KTD.SB.1270	Remove sheetpile for RTBM Launching (11mx7m)	20	29-Sep-22				2	1						ļ	Ε			ļļ								
KTD.SB.1280	RTBM Launching (initial drive, 6m, 4nos precast unit, 0.5m/d)	12	25-Oct-22	05-Nov-22	27-Oct-22	07-Nov-22	2	2							0	12				1						
KTD.SB.1290	RTBM Launching (Main drive, 78m, 45nos precast unit, 1.5m/d)	45	06-Nov-22	20-Dec-22	2 08-Nov-22	22-Dec-22	2	2		1																
KTD.SB.1300	RTBM Breakthrough into Retrieving Shaft @Sa Po Road	5	21-Dec-22	25-Dec-22	23-Dec-22	27-Dec-22	2	2								0										
KTD.SB.1310	Replacement grout along trenchless tunnel area	5	28-Dec-22	03-Jan-23	28-Dec-22	03-Jan-23	0	1		1						ģ										
KTD.SB.1320	Remove RTBM and associated equipment (cradle, jacks, back thrust wall pad and etc.)	40	04-Jan-23	21-Feb-23	04-Jan-23	21-Feb-23	0	1	1					1				¦		····		-††				
	Construct remaining RC structure of top slab and lift shaft and backfill	58	22-Feb-23				236	1		1													1			
KTD.SB.1330								-				·		÷				} <b> </b>								
KTD.SB.1340	Install steelwork, ABWF, other facilities, lift and other E&M works	180	06-May-23			-	200				1					1		1 1							ł	
	IY SB-01 AT SA PO ROAD	1111	14-Dec-20				10					ļļ		ļ						····-		·				
KTD.SB.2000	Trial pit/trench excavation to identify existing underground utilities and services and ground investigation works	51	14-Dec-20	1215			17	1		<b>—</b>			1										1			
KTD.SB.2010	Construct road diversion for Sa Po Road (Stage 1, incl carriageway and footpath)	45	18-Feb-21	15-Apr-21	10-Mar-21	06-May-21	17	1		į C			1	L			1					. <u>.</u>				
KTD.SB.2011	Exposed existing shallow covered watermain and conducting diversion works (NCE032/CE025)	43	15-Apr-21	27-May-21	1 04-May-21	15-Jun-21	19	2																	ł	
KTD.SB.2012	Construction of remaining works after watermain diversion works for implement road diversion of Sa Po Road (CE032/CE02:	10	28-May-21	06-Jun-21	16-Jun-21	25-Jun-21	19	2			0						1									
KTD.SB.2020	Implement TTA for Sa Po Road diversion (Stage 1)	0		07-Jun-21		25-Jun-21	16	1			V	[]	1	1		1	1	T T	1	1		TT				
KTD.SB.2030	Site clearance and excavation for trial pits to identify existing UU along Sa Po Road	5	07-Jun-21	11-Jun-21	29-Jun-21	05-Jul-21	18	1			1					1		1	1		1	1 1	1			
	Diversion of existing DN1800 stormwater drain pipe and underground utilities/services	129	16-Jun-21		06-Jul-21	06-Dec-21	16	1					· · · · · · · · · · · · · · · · · · ·					††				ᠠ				
KTD.SB.2040			18-Nov-21		07-Dec-21			1	-										1		1	1 1	1			
KTD.SB.2050	Install sheetpile for Retrieving Shaft (Stage 1, FSP V, 88nos, 24m-H, 1 team)	25			-		-					<b>├</b>						<u> </u>							·····	
KTD.SB.2060	Construct road diversion for Sa Po Road (Stage 2, incl traffic deck, carriageway and footpath)	44	17-Dec-21	12-Feb-22				1														1 1				
KTD.SB.2070	Implement TTA for Sa Po Road diversion (Slage 2)	0		12-Feb-22	2	03-Mar-22	16	1				Ll	▼	L				L								
KTD.SB.2080	Install sheetpile for Retrieving Shaft (Stage 2A, FSP V, 46 nos, 24m-H, 1 team)	22	14-Feb-22	10-Mar-22	2 04-Mar-22	29-Mar-22	16	1									1		1			1 1				
KTD.SB.2090	Diversion to existing underground utilities/services for remaining sheetpil installation	44	11-Mar-22	06-May-22	2 30-Mar-22	26-May-22	16	1		1				<b>—</b>			1					1 1				
KTD.SB.2100	Install remaining sheetpile for Retrieving Shaft (Stage 2B, FSP V, 20 nos, 24m-H, 1 team)	8	07-May-22	17-May-22	2 27-May-22	06-Jun-22	16	1				1	1	0			1	1	1			1	1		1	
KTD.SB.2110	Excavate and install ELS (GL@+6.0mPD to Strut 1@+5.0mPD, 270m3 exca)	6	18-May-22					1						O					1							
	Excavate and install ELS (Strut 1@+5.0mPD to Strut 2@+2.0mPD, 810m3 exca)	19	25-May-22					1				t		1		····			t			++		ii		
KTD.SB.2120			1				16										-					1				
KTD.SB.2130	Excavate and install ELS (Strut 2@+2.0mPD to Strut 3@-0.5mPD, 675m3 exca)	19	17-Jun-22		-			1	- []					1				<u> </u>								
KTD.SB.2140	Excavate and install ELS (Strut 3@-0.5mPD to Strut 4@-3.0mPD, 675m3 exca)	19	11-Jul-22	01-Aug-22				1											į							
KTD.SB.2150	Excavate and install ELS (Strut 4@-3.0mPD to Strut 5@-5.5mPD, 675m3 exca)	19	02-Aug-22					1				ļļ		Į				ļļ					ļ			
KTD.SB.2160	Excavate and install ELS (Strut 5@-5.5mPD to Strut 6@-8.3mPD, 756m3 exca)	20	24-Aug-22	16-Sep-22	2 13-Sep-22	07-Oct-22	16	1						1												
	Excavate and install ELS (Strut 6@-8.3mPD to FEL@-10.3mPD, 540m3 exca)	19	17-Sep-22	11-Oct-22	2 08-Oct-22	29-Oct-22	16	1							¢.											
KTD.SB.2170	Excavate and install EES (Still Oge Still D to TEE gets Still D, or other excav		12-Oct-22	09-Nov-2	2 31-Oct-22	28-Nov-22	16	1		1				1					1			1				
KTD.SB.2170 KTD.SB.2180	Ground improvement works for breakthrough (Horizontal) and post-coring tests	25	1000.00000000000		00 Mar 00	22-Dec-22	16	1							1											
KTD.SB.2180	Ground improvement works for breakthrough (Horizontal) and post-coring tests	25	10-Nov-22	03-Dec-22	2 29-140V-22			1	la			·		1			<u> </u>	††				++				
KTD.SB.2180 KTD.SB.2190	Ground improvement works for breakthrough (Horizontal) and post-coring tests Construct tunnel portal for RTBM breakthrough	21	10-Nov-22			25-Anr-23	10	1	1 1	1			1	1								1 1	1	1	i	
KTD.SB.2180 KTD.SB.2190 KTD.SB.2200	Ground improvement works for breakthrough (Horizontal) and post-coring tests Construct tunnel portal for RTBM breakthrough Remove tunnel portal and RTBM shield for RC structure connection works	21 60	10-Nov-22 30-Jan-23	13-Apr-23	3 10-Feb-23			1	_				1	10		1	1	1 1		1		3 3				
KTD.SB.2180 KTD.SB.2190 KTD.SB.2200 KTD.SB.2210	Ground improvement works for breakthrough (Horizontal) and post-coring tests Construct tunnel portal for RTBM breakthrough Remove tunnel portal and RTBM shield for RC structure connection works Construct RC structure of base slab (cox m3 conc)	21 60 25	10-Nov-22 30-Jan-23 14-Apr-23	13-Apr-23 13-May-2	3 10-Feb-23 3 26-Apr-23	25-May-23	10	1				ļļ		ļ						····-						
KTD.SB.2180 KTD.SB.2190 KTD.SB.2200	Ground improvement works for breakthrough (Horizontal) and post-coring tests Construct tunnel portal for RTBM breakthrough Remove tunnel portal and RTBM shield for RC structure connection works Construct RC structure of base slab (xxx m3 conc) Construct RC structure of walls (xxx m3 conc)	21 60 25 52	10-Nov-22 30-Jan-23 14-Apr-23 15-May-23	13-Apr-23 13-May-2 17-Jul-23	3 10-Feb-23 3 26-Apr-23 3 27-May-23	25-May-23 3 28-Jul-23	10 10	1 1 1										1 1								
KTD.SB.2180 KTD.SB.2190 KTD.SB.2200 KTD.SB.2210	Ground improvement works for breakthrough (Horizontal) and post-coring tests Construct tunnel portal for RTBM breakthrough Remove tunnel portal and RTBM shield for RC structure connection works Construct RC structure of base slab (cox m3 conc)	21 60 25	10-Nov-22 30-Jan-23 14-Apr-23	13-Apr-23 13-May-2	3 10-Feb-23 3 26-Apr-23 3 27-May-23	25-May-23 3 28-Jul-23	10 10 10	1 1 1 1																		
KTD.SB.2180 KTD.SB.2190 KTD.SB.2200 KTD.SB.2210 KTD.SB.2220	Ground improvement works for breakthrough (Horizontal) and post-coring tests Construct tunnel portal for RTBM breakthrough Remove tunnel portal and RTBM shield for RC structure connection works Construct RC structure of base slab (xxx m3 conc) Construct RC structure of walls (xxx m3 conc)	21 60 25 52	10-Nov-22 30-Jan-23 14-Apr-23 15-May-23	13-Apr-23 13-May-2 17-Jul-23 11-Sep-2	3 10-Feb-23 3 26-Apr-23 3 27-May-23	25-May-23 3 28-Jul-23 22-Sep-23	10 10 10	1 1 1 1 1																		
KTD.SB.2180 KTD.SB.2190 KTD.SB.2200 KTD.SB.2210 KTD.SB.2220 KTD.SB.2230	Ground improvement works for breakthrough (Horizontal) and post-coring tests         Construct tunnel portal for RTBM breakthrough         Remove tunnel portal and RTBM shield for RC structure connection works         Construct RC structure of base slab (xxx m3 conc)         Construct RC structure of walls (xxx m3 conc)         Construct RC structure of roof slab and lift shaft (xxx m3 conc)	21 60 25 52 48	10-Nov-22 30-Jan-23 14-Apr-23 15-May-23 18-Jul-23	13-Apr-23 13-May-2 17-Jul-23 11-Sep-2 30-Oct-23	3         10-Feb-23           3         26-Apr-23           3         27-May-23           3         29-Jul-23           3         23-Sep-23	25-May-23 28-Jul-23 22-Sep-23 10-Nov-23	10 10 10 10 10	1 1 1 1 1 1																		
KTD.SB.2180 KTD.SB.2190 KTD.SB.2200 KTD.SB.2210 KTD.SB.2220 KTD.SB.2230 KTD.SB.2240 KTD.SB.2250	Ground improvement works for breakthrough (Horizontal) and post-coring tests         Construct tunnel portal for RTBM breakthrough         Remove tunnel portal and RTBM shield for RC structure connection works         Construct RC structure of base slab (xxx m3 conc)         Construct RC structure of walls (xxx m3 conc)         Construct RC structure of roof slab and lift shaft (xxx m3 conc)         Backfill Retrieving Shaft up to ground level	21 60 25 52 48 39	10-Nov-22 30-Jan-23 14-Apr-23 15-May-23 18-Jul-23 12-Sep-23	13-Apr-23 13-May-2 17-Jul-23 11-Sep-2 30-Oct-23 15-Dec-2	3         10-Feb-23           3         26-Apr-23           4         27-May-23           3         29-Jul-23           3         23-Sep-23           3         11-Nov-23	25-May-23 28-Jul-23 22-Sep-23 10-Nov-23 29-Dec-23	10 10 10 10 10 10 10	1 1 1 1 1 1 1 1																		
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KTD.SB.2180         KTD.SB.2190         KTD.SB.2200         KTD.SB.2210         KTD.SB.2220         KTD.SB.2220         KTD.SB.2230         KTD.SB.2230         KTD.SB.2240         KTD.SB.2250         KTD.SB.2250         KTD.SB.2250         KTD.SB.2250         KTD.SB.2260         KTD.SB.2280         CONSTRUCTION OF	Ground improvement works for breakthrough (Horizontal) and post-coring tests Construct tunnel portal for RTBM breakthrough Remove tunnel portal and RTBM shield for RC structure connection works Construct RC structure of base slab (xx m3 conc) Construct RC structure of roof slab and lift shaft (xx m3 conc) Backfill Retrieving Shaft up to ground level Install ELS and excavate for remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of RC structure o	21 60 25 52 48 39 40 60 160 0 861	10-Nov-22 30-Jan-23 14-Apr-23 15-May-23 18-Jul-23 18-Jul-23 12-Sep-23 31-Oct-23 16-Dec-23 01-Mar-24 31-Jul-20	13-Apr-23 13-May-2 17-Jul-23 11-Sep-2 30-Oct-2 15-Dec-2 29-Feb-2 12-Sep-2 12-Sep-2 27-Jun-2	3       10-Feb-23         3       26-Apr-23         4       27-May-23         3       29-Jul-23         3       23-Sep-23         3       11-Nov-23         4       30-Dec-23         4       30-Ber-24         4       30-Feb-21	2549-23 28-Jul-23 28-Jul-23 22-Sep-23 10-Nov-23 29-Dec-23 29-Dec-23 29-Dec-23 29-Dec-23 29-Dec-24 29-Dec-23 29-Dec-2	<ul> <li>10</li> <li>13</li> <li>197</li> </ul>	cture \		at the	Forme	er Nortl					03-	Date May-24		orks Pro	ogramn	ne	HL			Appr
KTD.SB.2190         KTD.SB.2190         KTD.SB.2200         KTD.SB.2210         KTD.SB.2220         KTD.SB.2230         KTD.SB.2230         KTD.SB.2240         KTD.SB.2250         KTD.SB.2260         KTD.SB.2270         KTD.SB.2280         CONSTRUCTION OF         Image: Construction of the store	Ground improvement works for breakthrough (Horizontal) and post-coring tests Construct tunnel portal for RTBM breakthrough Remove tunnel portal and RTBM shield for RC structure connection works Construct RC structure of base slab (xxx m3 conc) Construct RC structure of walls (xxx m3 conc) Construct RC structure of roof slab and lift shaft (xxx m3 conc) Backfill Retrieving Shaft up to ground level hstall ELS and excavate for remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure Construct RC structure of remaining staircase and escalator trough structure and backfill Install steelwork, ABWF; other facilities and other E&M works Planned Completion of Pedestrian Subway SB-01 (Related to Section 12) FELEVATED WALKWAY LW-02 Planned Work One Summary ED/2018/05 Kai	21 60 25 52 48 39 40 60 160 0 861	10-Nov-22 30-Jan-23 14-Apr-23 15-May-23 18-Jul-23 18-Jul-23 12-Sep-23 31-Oct-23 16-Dec-23 01-Mar-24 31-Jul-20	13-Apr-23 13-May-2 17-Jul-23 11-Sep-2 30-Oct-2 15-Dec-2 29-Feb-2 12-Sep-2 12-Sep-2 27-Jun-2	3       10-Feb-23         3       26-Apr-23         4       27-May-23         3       29-Jul-23         3       23-Sep-23         3       11-Nov-23         4       30-Dec-23         4       30-Ber-24         4       30-Feb-21	4         25-May-23           3         28-Jul-23           3         28-Jul-23           3         22-Sep-23           3         10-Nov-23           4         25-Sep-24           25-Sep-24         22-Feb-24	<ul> <li>10</li> <li>13</li> <li>197</li> </ul>	cture \		at the	Forme	er Nortl			a		03-	Date		orks Pro	12 12 19 19 19	ne ne			RL	Appr

KTD.LW.1120 KTD.LW.1130 KTD.LW.1140 KTD.LW.1150	Pre-drilling works (2 nos, 1 rig)         Piling works for bored pile (PC9-A2, 2200dia x 67m)         Piling works for bored pile (PC9-A1, 2200dia x 67m)         Testing for completed bored piles (Sonic Test & Interface Core) and site clearance         Installation of ELS and excavation for pile cap construction (520.5m3 exca, 1 team)         Construction of RC structure (pile cap & pier column) (184m3, 1 team)         Pre-drilling works (2 nos, 1 rig)         Piling works for bored pile (PC10-A2, 2200dia x 67m)         Piling works for bored pile (PC10-A1, 2200dia x 67m)         Piling works for bored pile (PC10-A1, 2200dia x 67m)         Piling works for bored piles (Sonic Test & Interface Core) and site clearance         Itesting for completed bored piles (Sonic Test & Interface Core) and site clearance         Installation of ELS and excavation for pile cap construction (273.5m3 exca, 1 team)	300 45 40 40 18 29 114 285 44 40 40 18	20-Oct-20 20-Oct-20 31-Dec-20 20-Feb-21 13-Apr-21 05-May-21 09-Jun-21 07-Nov-20 07-Nov-20	25-Oct-21 11-Dec-20 19-Feb-21 12-Apr-21 04-May-21 08-Jun-21 25-Oct-21	08-Feb-21 08-Feb-21 09-Apr-21 28-May-21 16-Jul-21	26-Jan-22 08-Apr-21 27-May-21 15-Jul-21 05-Aug-21	91 77 77 77	1 1 1 1				1						 	
KTD.LW.1010 KTD.LW.1020 KTD.LW.1030 KTD.LW.1040 KTD.LW.1050 PIER 10 KTD.LW.1060 KTD.LW.1070 KTD.LW.1080 KTD.LW.1090 KTD.LW.1100 KTD.LW.1110 FOOTBRIDGE (PIER 9 TO P KTD.LW.1120 KTD.LW.1130 KTD.LW.1140 KTD.LW.1150	Piling works for bored pile (PC9-A2, 2200dia x 67m)         Piling works for bored pile (PC9-A1, 2200dia x 67m)         Testing for completed bored piles (SonicTest & Interface Core) and site clearance         Installation of ELS and excavation for pile cap construction (520.5m3 exca, 1 team)         Construction of RC structure (pile cap & piler column) (184m3, 1 team)         Pre-drilling works (2 nos, 1 rig)         Piling works for bored pile (PC10-A2, 2200dia x 67m)         Piling works for completed bored piles (SonicTest & Interface Core) and site clearance	40 40 18 29 114 <b>285</b> 44 40 40	31-Dec-20 20-Feb-21 13-Apr-21 05-May-21 09-Jun-21 07-Nov-20 07-Nov-20	19-Feb-21 12-Apr-21 04-May-21 08-Jun-21	09-Apr-21 28-May-21 16-Jul-21	27-May-21 15-Jul-21	77 77	1				1						 	-
KTD.LW.1020 KTD.LW.1030 KTD.LW.1040 KTD.LW.1050 <b>VIER 10</b> KTD.LW.1060 KTD.LW.1070 KTD.LW.1080 KTD.LW.1090 KTD.LW.1100 KTD.LW.1110 <b>COTBRIDGE (PIER 9 TO P</b> KTD.LW.1120 KTD.LW.1130 KTD.LW.1140 KTD.LW.1150	Ptiling works for bored pile (PC9-A1, 2200dia x 67m)         Testing for completed bored piles (SonicTest & Interface Core) and site clearance         Installation of ELS and excavation for pile cap construction (520.5m3 exca, 1 team)         Construction of RC structure (pile cap & pier column) (184m3, 1 team)         Pre-drilling works (2 nos, 1 rig)         Piling works for bored pile (PC10-A2, 2200dia x 67m)         Piling works for completed bored piles (SonicTest & Interface Core) and site clearance	40 18 29 114 <b>285</b> 44 40 40	20-Feb-21 13-Apr-21 05-May-21 09-Jun-21 07-Nov-20 07-Nov-20	12-Apr-21 04-May-21 08-Jun-21	28-May-21 16-Jul-21	15-Jul-21	77	1				1							- 2
KTD.LW,1030 KTD.LW,1040 KTD.LW,1050 <b>VIER 10</b> KTD.LW,1060 KTD.LW,1070 KTD.LW,1080 KTD.LW,1090 KTD.LW,1100 KTD.LW,1110 <b>COTBRIDGE (PIER 9 TO P</b> KTD.LW,1120 KTD.LW,1130 KTD.LW,1140 KTD.LW,1150	Testing for completed bored piles (SonicTest & Interface Core) and site clearance Installation of ELS and excavation for pile cap construction (520.5m3 exca, 1 team) Construction of RC structure (pile cap & pier column) (184m3, 1 team) Pre-drilling works (or nos, 1 rig) Piling works for bored pile (PC10-A2, 2200dia x 67m) Piling works for bored pile (PC10-A1, 2200dia x 67m) Testing for completed bored piles (SonicTest & Interface Core) and site clearance	18 29 114 285 44 40 40	13-Apr-21 05-May-21 09-Jun-21 07-Nov-20 07-Nov-20	04-May-21 08-Jun-21	16-Jul-21						1	· ·		i				1	
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KTD.LW.1050 VER 10 KTD.LW.1060 KTD.LW.1070 KTD.LW.1090 KTD.LW.1090 KTD.LW.1100 KTD.LW.1110 COTBRIDGE (PIER 9 TO P KTD.LW.1120 KTD.LW.1130 KTD.LW.1140 KTD.LW.1150	Construction of RC structure (pile cap & pier column) (184m3, 1 team) Pre-drilling works (2 nos, 1 rig) Piling works for bored pile (PC10-A2, 2200dia x 67m) Piling works for bored pile (PC10-A1, 2200dia x 67m) Tiesting for completed bored piles (Sonic Test & Interface Core) and site clearance	114 285 44 40 40	09-Jun-21 07-Nov-20 07-Nov-20		06-Aug-21	08-Sep-21	77	1		1									
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KTD.LW.1080 KTD.LW.1090 KTD.LW.1100 KTD.LW.1110 <b>CODERIDGE (PIER 9 TO P</b> KTD.LW.1120 KTD.LW.1130 KTD.LW.1140 KTD.LW.1150	Piling works for bored pile (PC10-A1, 2200dia x 67m) Testing for completed bored piles (Sonic Test & Interface Core) and site clearance	40		1000 1000 1000 1000 1000 1000 1000 100	09-Feb-21	08-Apr-21	77	1						1	1				-
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KTD.LW.1100 KTD.LW.1110 FOOTBRIDGE (PIER 9 TO P KTD.LW.1120 KTD.LW.1130 KTD.LW.1140 KTD.LW.1150		18	20-Feb-21	12-Apr-21	28-May-21	15-Jul-21	77	1		1									
KTD.LW.1110 FOOTBRIDGE (PIER 9 TO P KTD.LW.1120 KTD.LW.1130 KTD.LW.1140 KTD.LW.1150	Installation of ELS and excavation for pile cap construction (273.5m3 exca, 1 team)	0.8	13-Apr-21	04-May-21	16-Jul-21	05-Aug-21	77	1			l			<u>i</u>				 	1
FOOTBRIDGE (PIER 9 TO P KTD.LW.1120 KTD.LW.1130 KTD.LW.1140 KTD.LW.1150		29	05-May-21	08-Jun-21	06-Aug-21	08-Sep-21	77	1											
KTD.LW.1120 KTD.LW.1130 KTD.LW.1140 KTD.LW.1150	Construction of RC structure (pile cap & pier column) (149m3, 1 team)	114	09-Jun-21	25-Oct-21	09-Sep-21	26-Jan-22	77	1				Ļ							
KTD.LW.1120 KTD.LW.1130 KTD.LW.1140 KTD.LW.1150	PIER 10)	433	05-May-21	18-Oct-22	09-Aug-21	22-Feb-24	401			1		-							
KTD.LW.1130 KTD.LW.1140 KTD.LW.1150	Formation and placing concrete blocks in Kai Tak River (66 nos in Kai Tak River and 44 nos at both land side)	26	05-May-21	04-Jun-21	09-Aug-21	07-Sep-21	79	1	3										
KTD.LW.1140 KTD.LW.1150	Erect mid tower in Kai Tak River (Quadshore system)	26	05-Jun-21	07-Jul-21	08-Sep-21	09-Oct-21	79	1										 1	1
KTD.LW.1150	Install decking system to deck over Kai Tak River	26	08-Jul-21	06-Aug-21	11-Oct-21	10-Nov-21	79	1											1
	Installation and erecting falsework and working platform for constructing RC bridge structure	63	07-Aug-21	22-Oct-21	11-Nov-21	26-Jan-22	79	1			††		·····					 	Ť
KTD1W/ 44CO		80	26-Oct-21	29-Jan-22	27-Jan-22	10-May-22		1		1									
KTD.LW.1160	Construction of RC bridge structure (1079m3, 4 teams)				the second second	22-Apr-23	335	1		·								 	
KTD.LW.1170	Prestressing works and remaining RC works	26	31-Jan-22	04-Mar-22	20-Mar-23			1		1						1			-
KTD.LW.1173	Install steel roof structure and associated steel facilities from Pier 9 to Pier 10	120	05-Mar-22		14-Jul-23	04-Dec-23	401											 	
KTD.LW.1176	Install E&M works, testing and commissioning from Pier 9 to Pier 10	90	02-Jul-22	18-Oct-22	04-Nov-23	22-Feb-24	401	1								1			
KTD.LW.1179	Construct landscaping, ABWF works and other facilities from Pier 9 to Pier 10	50	02-Jul-22	29-Aug-22	21-Dec-23	22-Feb-24	441	1			<u> </u>	l	<u> </u>				-	 	-
PIER 11		367	31-Jul-20	25-Oct-21	05-Aug-21	29-Sep-22	276		-				1	/					
KTD.LW.1180	Liaison/coordinate with adjacent project for TTA arrangement	90	31-Jul-20	28-Oct-20	05-Aug-21	02-Nov-21	370	2											
KTD.LW.1190	Implementation of TTA	7	18-Nov-20	25-Nov-20	26-Oct-21	02-Nov-21	276	1		0								1	-
KTD.LW.1200	Pre-drilling works (4 nos, 1 rig)	48	26-Nov-20	23-Jan-21	03-Nov-21	30-Dec-21	276	1								1		1	
KTD.LW.1210	Piling works for bored pile (PC11-A1, 1800dia x 78m)	28	25-Jan-21	01-Mar-21	31-Dec-21	05-Feb-22	276	1				1			Ť	I		1	T
KTD.LW.1220	Piling works for bored pile (PC11-A4, 1800dia x 78m)	28	02-Mar-21	07-Apr-21	07-Feb-22	10-Mar-22	276	1		1						1			1
KTD.LW.1230	Piling works for bored pile (PC11-A2, 1800dia x 78m)	28	08-Apr-21	11-May-21	11-Mar-22	13-Apr-22	276	1			11							 	1
	Piling works for bored pile (PC11-A3, 1800dia x 78m)	28	12-May-21	15-Jun-21	14-Apr-22	21-May-22	276	1		1			1	1					1
KTD.LW.1240		18	16-Jun-21	07-Jul-21	23-May-22	13-Jun-22	276	1				Ļ						 	
KTD.LW.1250	Testing for completed bored piles (Sonic Test & Interface Core) and site clearance		08-Jul-21	06-Aug-21	14-Jun-22	14-Jul-22	276	1		1		1		1					
KTD.LW.1260	Installation of ELS and excavation for pile cap construction (319.9m3 exca, 1 team)	26				29-Sep-22		1	ļ									 	
KTD.LW.1270	Construction of RC structure (pile cap & pier column) (138m3, 1 team)	65	07-Aug-21		15-Jul-22		390	-					1.			l		1	
FOOTBRIDGE (PIER 10 TO		301	26-Oct-21	31-Oct-22	30-Sep-22	22-Feb-24												 	
KTD.LW.1280	Remove ELS and formating roundabout for portal and falsework erection from CH93 to CH138	31	26-Oct-21	30-Nov-21	30-Sep-22	07-Nov-22		1		1		1	-					1	
KTD.LW.1281	Implement TTA for erecting portal across carriageway near CH84 to CH93 (Stage 2)	0	01-Dec-21		15-Nov-22		282	1			ļļ							 	
KTD.LW.1282	Construct and erect portal across carriageway near CH84 to CH93	18	01-Dec-21	21-Dec-21	15-Nov-22	05-Dec-22	282	1			1								
KTD.LW.1283	Implement TTA for erecting portal across carriageway near CH138 to CH147 (Stage 3)	0	22-Dec-21	22-Dec-21	05-Dec-22	05-Dec-22	282	1						1				 	_
KTD.LW.1284	Construct and erect portal across carriageway near CH138 to CH147 (Except secondary beams)	12	22-Dec-21	07-Jan-22	06-Dec-22	19-Dec-22	282	1						0		1	1	1	1
KTD.LW.1285	Implement TTA for erecting secondary beams across carriageway near CH138 to CH147 (night time, approx 3 nights)	6	08-Jan-22	14-Jan-22	20-Dec-22	28-Dec-22	282	1						0					
KTD.LW.1286	Implement TTA for RC bridge structure construction (Stage 4)	3	15-Jan-22	18-Jan-22	29-Dec-22	31-Dec-22	282	1		1	1			0					1
KTD.LW.1290	Erect falsework and working platform from CH93 to CH138	45	01-Dec-21	25-Jan-22	08-Nov-22	31-Dec-22	276	1						Ļ.	1				1
KTD.LW.1300	Construction of RC bridge structure (745m3, 1 teams)	78	08-Jan-22	13-Apr-22	13-Dec-22	18-Mar-23	276	1			11	1						 1	1
KTD.LW.1310	Prestressing works and remaining RC works	26	14-Apr-22		20-Mar-23	22-Apr-23	276	1											1
KTD.LW.1310	Install steel roof structure and associated steel facilities from Pier 10 to Pier 12	76	100 C C C C C C C C C C C C C C C C C C	18-Aug-22	08-Sep-23	-	390	1			·							 	
		60	19-Aug-22		09-Dec-23		390	1				1							
KTD.LW.1316	Install E&M works, testing and commissioning from Pier 10 to Pier 12	52	19-Aug-22		19-Dec-23			1			l							 	-
KTD.LW.1319	Construct landscapiung, ABWF works and other facilities from Pier 10 to Pier 12		Contraction in succession	denne or		Long and the	197												_
	SOFT LANDSCAPING & OTHER WORKS	715	25-Jan-21		09-Mar-22													 	-
KTD.LW.1320	Pre-drilling works (6 nos, 2 rig)	48	25-Jan-21		09-Mar-22	1 12		1											
KTD.LW.1330	Piling works for pre-bored H-piles for PC1, PC2, PC3 and PC4 (19 nos, 610dia x 70m, 1 rig)	156	31-Jan-22					1			ļ						·	 	
KTD.LW.1340	Installation of ELS and excavation for pile caps construction (PC1, PC2, PC3 and PC4, 379.1m3 exca, 1 team)	50	13-Aug-22		15-Nov-22		77	1									-		
KTD.LW.1350	Construction of RC structures (inclu. pile caps, pier column, lift shaft, staircase, etc.)	78	14-Oct-22	16-Jan-23	16-Jan-23	22-Apr-23	77	1									F	 	
KTD.LW.1360	Lift and other E&M installation, testing and commissioning	90	17-Jan-23	09-May-23	12-Jun-23	26-Sep-23	117	1		1									-
KTD.LW.1370	Construction of roof, planter, landscape softworks, other facilities and ABWF works for whole walkway	130	17-Jan-23	27-Jun-23	24-Apr-23	26-Sep-23	77	1										1	
KTD.LW.1380	Planned Completion of Landscaped Elevated Walkway LW-02 (Related to Section 1)	0		27-Jun-23		22-Feb-24	240	2	-	1	1								7
ONSTRUCTION OF BO	A CONTRACT OF A CO	229	15-Aug-20	26-May-21	01-Aug-20	10-May-21	-13		-			-			1				
BOX CULVERT B1 (BAYO C		205	02-Sep-20			1	-13	1				-	t		<u>†</u>			 	
KTD.B1.A.1000	Trial pit excavation to expose the existing box culvert near Bay0 CH364	5	02-Sep-20		4	1.	2	1											1000
	Construction of Bay 0 include ELS/exca/rock fill/RC structure (CH364 to CH350, 14.3m, except roof opening for connect)	53	08-Sep-20					1			·	+						 	
KTD.B1.A.1010		70	25-Sep-20				69	1		-			1						
KTD.B1.A.1020	Construction of Bay 1 include ELS/excavation/rock fill/RC structure (CH350 to CH338, 12.2m)							1			·					·		 	
KTD.B1.A.1030	Construction of Bay 2 include ELS/excavation/rock fill/RC structure (CH338 to CH326, 12.2m)	55	29-Sep-20					1											
KTD.B1.A.1040	Construction of Bay 3 include ELS/excavation/rock fill/RC structure (CH326 to CH313, 12.2m)	59	15-Oct-20		1 1 1 1 1 1 1 1 1	20-Mar-21	69	1	į		ļ		ļ.					 	
KTD.B1.A.1050	Construction of Bay 4 include ELS/excavation/rock fill/RC structure (CH313 to CH301, 12.2m)	45	21-Oct-20			20-Mar-21		1										1	101-1-1
KTD,B1,A,1060	Construction of Bay 5 include ELS/excavation/rock fill/RC structure (CH301 to CH289, 12.2m)	90	27-Nov-20	18-Mar-21	30-Nov-20	20-Mar-21	2	1					l.						_
																		 	-
▼ Milestone	Planned Work				5	Re	ev. 46												
<ul> <li>Viniestone</li> <li>Critical Milestone</li> </ul>	Summary ED/2018/05 Ka				04			4	la -l	a at t	he F		. Mar	4h A-		A		03	3-1

Critical Remaining Work

ED/2018/05 Kai Tak Development - Stage 5B Infrastructure Works at the Former North Apron Area WORKS PROGRAMME (Page 5 of 12)

2024			20	25			2026	
2024 JFMAMJJAS	OND	JFM	AMJ	JAS	OND	JFM	AMJ	JAS
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Works Programm	е		HL			RL		
Works Programm	е		HL			RL		
Works Programm	е		HL		F	RL		

27-Jun-24

	Activity Name	Dur (d)		Finish			Float		JAS	OND	JFM	AMJ	JAS	OND	JFMA	MJJA	SONI	JFM	AMJ
KTD.B1.A.1070	Construction of Bay 6 include ELS/excavation/rock fill/RC structure (CH289 to CH277, 12.2m)	57	30-Nov-20	06-Feb-21	22-Dec-20	04-Mar-21	19	1											
KTD.B1.A.1080	Construction of Bay 7 include ELS/excavation/rock fill/RC structure (CH277 to CH265, 12.2m)	40	30-Nov-20	18-Jan-21	22-Dec-20	09-Feb-21	19	1											
KTD.B1.A.1090	Construction of Bay 8 include ELS/excavation/rock fill/RC structure (CH265 to CH252, 12.2m)	49	07-Dec-20	04-Feb-21	31-Dec-20	02-Mar-21	19	1								1			
KTD.B1.A.1100	Construction of Bay 9 include ELS/excavation/rock fill/RC structure (CH252 to CH240, 12.2m)	62	10-Dec-20	26-Feb-21	05-Jan-21	20-Mar-21	19	1											
KTD.B1.A.1110	Construction of Bay 10 include ELS/excavation/rock fil/RC structure (CH240 to CH228, 12.2m)	50	12-Dec-20	11-Feb-21	09-Jan-21	11-Mar-21	21	1		E								1	
	Construction of Bay 11 include ELS/excavation/rock fill/RC structure (CH228 to CH216, 12.2m)	49	23-Dec-20	24-Feb-21	20-Jan-21	20-Mar-21	21	1											
KTD.B1.A.1120					22-Mar-21	28-Apr-21	-13	1											
KTD.B1.A.1130	Remove existing bulk wall near Bay 0 CH364 and complete connection at Bay 0	29	10-Apr-21	14-May-21															
OX CULVERT B1 (BAY	12 CH216 TO BAY15 CH167)	187	15-Aug-20	31-Mar-21	01-Aug-20	manna and an and a sound	-9			ļ									
KTD.B1.A.1140	Submission of method statement/temporary works design to MTRC and relevant authorities	145	15-Aug-20	06-Jan-21	01-Aug-20	23-Dec-20	-14	2											
KTD.B1.A.1150	Submission and construction of diversion of existing EVA for Bay 12 to Bay 15 works	70	16-Oct-20	09-Jan-21	06-Oct-20	29-Dec-20	-9	1			•								
KTD.B1.A.1160	Mobilization of plant/equipment for Bay 12 to Bay 15 sheetpile installation and TAM grouting works	3	07-Jan-21	09-Jan-21	24-Dec-20	29-Dec-20	-9	1			1								
KTD.B1.A.1170	Install sheetpile by silent piler and TAM grouting works	27	11-Jan-21	10-Feb-21	30-Dec-20	30-Jan-21	-9	1										1	
KTD.B1.A.1180	Excavation and ELS installation for Bay 12 to Bay 15	18	11-Feb-21	06-Mar-21	01-Feb-21	24-Feb-21	-9	1										1	
KTD.B1.A.1190	Construction of Bay 12 include rock fill/RC structure (CH216 to CH204, 12.2m)	13	08-Mar-21	22-Mar-21	06-Mar-21	20-Mar-21	-1	1									1	1	
		19	08-Mar-21	29-Mar-21	27-Feb-21	20-Mar-21	-7	1											
KTD.B1.A.1200	Construction of Bay 13 include rock fill/RC structure (CH204 to CH192, 12.2m)		08-Mar-21	31-Mar-21	25-Feb-21	20-Mar-21	-9	1										1	
KTD.B1.A.1210	Construction of Bay 14 include rock fill/RC structure (CH192 to CH180, 12.2m)	21		And the second			100 A												
KTD.B1.A.1220	Construction of Bay 15 include rock fil/RC structure (CH180 to CH167, 12.2m)	16	08-Mar-21	25-Mar-21	03-Mar-21	20-Mar-21	-4	1			•								
OX CULVERT B1 (BAY	16 CH167 TO BAY21 CH86)	170	27-Oct-20	26-May-21	10-Oct-20	10-May-21	-13			-		-							
KTD,B1,A,1230	Construction of Bay 16 include ELS/exca/rock fil/RC structure (CH167 to CH155, 12.2m)	51	27-Oct-20	24-Dec-20	10-Oct-20	09-Dec-20	-13	1											
KTD.B1.A.1240	Construction of Bay 17 include ELS/exca/rock fill/RC structure (CH155 to CH143, 12.2m)	60	27-Oct-20	07-Jan-21	10-Oct-20	19-Dec-20	-13	1			•								
KTD.B1.A.1250	Construction of Bay 18 include ELS/exca/rock fill/RC structure (CH143 to CH131, 12.2m)	66	27-Oct-20	14-Jan-21	10-Oct-20	29-Dec-20	-13	1							1	1		1	
	Construction of Bay 19 include ELS/exca/rock fill/RC structure (CH131 to CH118, 12.2m)	75	02-Nov-20	30-Jan-21	16-Oct-20	15-Jan-21	-13	1											
KTD.B1.A.1260		102	14-Dec-20	22-Apr-21	28-Nov-20	07-Apr-21	-13	1											
KTD.B1.A.1270	Construction of Bay 20 include ELS/exca/rock fill/RC structure (CH118 to CH106, 12.2m)						-13	1							1				
KTD.B1.A.1280	Construction of Bay 21 include ELS/exca/rock fill/RC structure (CH106 to CH94, 12.2m)	75	13-Jan-21	17-Apr-21	28-Dec-20	29-Mar-21	200		ļ	ļ									
KTD.B1.A.1290	Install ELS and excavate for expose existing box culvert for connection	20	19-Feb-21	13-Mar-21	01-Feb-21	26-Feb-21	-13	1											
KTD.B1.A.1300	Demolish existing box culvert for connection and modification of existing box culvert for connection	48	15-Mar-21	14-May-21	27-Feb-21	28-Apr-21	-13	1											
KTD.B1.A.1310	Diversion of existing flow into Box Culvert B1	0		14-May-21		28-Apr-21	-13	1											
KTD.B1.A.1320	Construction of remaining modification works (incl wall, top slab and bulk wall for abadon existing box culvert)	9	15-May-21	26-May-21	29-Apr-21	10-May-21	-13	1											
KTD.B1.A.1330	Acutal Advanced Completion of Box Culvert B1 (Related to Section 8)	0	-	26-May-21		10-May-21	-16	2				V			· · · · ·		1	1	
		916	24-Nov-20	27-Dec-23	24-Nov-20	22-Jun-24	143			-		and the second second					_		
The second s	ISTING SUBWAY KS10	time the second states of	24-Nov-20				0	2											
TD.MS.0000	Liaison/coordinate with HyD structure/HyD lighting/EMSD and other utility and service undertakings	180					212	1		-	1							1	
TD.MS.1010	Pre-drilling works (1 no, 1 rig)	12	24-May-21	05-Jun-21	08-Feb-22	21-Feb-22	1.00		ļ		<u>-</u> _		ļļ						
TD.MS.1014	Liaison/coordinate with CLP for diversion of existing 11kV cables	95	01-Mar-21	26-Jun-21	03-Mar-21	29-Jun-21	2	1											
TD.MS.1015	Construct diversion of existing 11kV cables by CLP	52	28-Jun-21	27-Aug-21	16-Dec-21	21-Feb-22	143	1		<u> </u>	l				l				
TD.MS.1020	Piling works for pre-bored H-piles (4 nos, 610dia x 75m, 1 rig)	75	28-Aug-21	26-Nov-21	22-Feb-22	26-May-22	143	1											
TD.MS.1021	Post-piling works tests (proof-drilling and load test)	18	27-Nov-21	17-Dec-21	27-May-22	17-Jun-22	143	1											
TD.MS.1027	Demolition of existing subway structures (inclu. staircase and partial ramp)	78	18-Dec-21	25-Mar-22	18-Jun-22	19-Sep-22	143	1		1	1			Ę			1		
TD.MS.1030	Installation of ELS for construction of entrance at Road D1 (77m ELS, 900m3 exca, 1 teams)	39	26-Mar-22	17-May-22	20-Sep-22	05-Nov-22	143	1							; i=				
(TD.MS.1040	Construction of RC structures (inclu, lift shaft, staircase, pump house and etc.) (365m3, 1 team)	104	18-May-22	19-Sep-22	07-Nov-22	13-Mar-23	143	1			<u> </u>				·		<b>.</b>		
		78	20-Sep-22	21-Dec-22	08-Jul-23	09-Oct-23	235	1	1 1		-						-		
CTD.MS.1045	Backfilling of ELS to ground level						209	1		<u> </u>									
TD.MS.1060	Site clearance and demolition of remaining existing fumitures at existing subway under Road D1	26	20-Sep-22			07-Jul-23										1		1	
TD.MS.1070	Construct roof and floor finishes along existing subway under Road D1	39	22-Oct-22	06-Dec-22	08-Jul-23	22-Aug-23	209	1		l	l								<b></b>
TD.MS.1080	Install VE panels and its sub-frame along existing subway under Road D1	26	07-Dec-22	09-Jan-23	10-Nov-23	09-Dec-23	274	1							6			7	
TD,MS,1090	Install steel frame of shelter for new staircase and lift shaft	39	07-Dec-22	26-Jan-23	23-Aug-23	09-Oct-23	209	1										<u> </u>	
TD.MS.1100	Construct wall/floor finishes for new staircase	52	27-Jan-23	28-Mar-23	10-Oct-23	09-Dec-23	209	1			1								Ę
TD.MS.1110	Lift and other E&M installation, testing and commissioning	156	29-Mar-23	07-Oct-23	11-Dec-23	22-Jun-24	209	1											
(TD.MS.2000	Implement TTA (Phase 1) for closing half Ramp 2, existing starcase@TKL Rd and LHS of subway part	12	16-Jun-22		05-Dec-22	17-Dec-22	143	1			1					8		1	1
	Demolition of existing wall tiles at staircases, floor finishes and furnitures, incl hardrai/guardrai/lighings	26	30-Jun-22		19-Dec-22		143	1											
(TD.MS.2010		39				09-Mar-23	143	1			·								
TD.MS.2020	Construct wall/floor finishes for half Ramp 2 and existing staircase@TKL Rd		01-Aug-22				-				-								
(TD.MS.2030	Construct roof and floor finishes along LHS of subway part	45	16-Sep-22		10-Mar-23		143	1	[	ļ	ļ		ļ		ļļ	····-			
CTD.MS.2040	Install VE panels and its sub-frame along LHS of subway part	39	10-Nov-22			23-Jun-23	143	1			1					1		-	
(TD,MS,2050	Advance works for installing steel shelter for existing staircase@TKL Rd	18	31-Aug-22	21-Sep-22	04-Apr-23	28-Apr-23	177	1		-									
(TD.MS.2060	Implement TTA for lift and install main shell frame of shelter for existing staircase@TKL Rd (Nightwork maybe required)	26	22-Sep-22	24-Oct-22	29-Apr-23	31-May-23	177	1		1							þ		
CTD.MS.2070	Install remaining steel members, glass balustrade, shelter roof top and ancillary facilities	65	25-Oct-22	11-Jan-23	01-Jun-23	17-Aug-23	177	1		1	1							-	
CTD.MS.2080	Install partial E&M works inclu lighting and drainage system and steel light trough for LHS subway part	52	12-Dec-22			10-Aug-23	143	1		1	1		·					÷	1
		6	16-Feb-23				143	1		1								0	
(TD.MS.2090	Site clearance for open the completed part to public	40					143	1											+
(TD.MS.2100	Implement TTA (Phase 2) for closing 2nd haf Ramp 2, full Ramp 1 and RHS of subway part	12	23-Feb-23							-						1			4
CTD.MS.2110	Demolition of existing wall tiles at staircases, floor finishes and furnitures, incl handrail/guardrail/lightings	26	09-Mar-23				143	1	Į	ļ			ļ						÷
(TD.MS.2120	Construct wall/floor finishes for 2nd half Ramp 2 and full Ramp 1	39	13-Apr-23	30-May-23		18-Nov-23	143	1		1						1			
KTD.MS.2130	Construct roof and floor finishes along RHS of subway part	45	31-May-23	24-Jul-23	20-Nov-23	13-Jan-24	143	1											
KTD.MS.2140	Install VE panels and its sub-frame along RHS of subway part	39	25-Jul-23	07-Sep-23	15-Jan-24	01-Mar-24	143	1		[						1			
KTD.MS.2150	Advance works for installing steel shelters for Ramp 2 and Ramp 1	18	15-May-23	05-Jun-23	23-Jan-24	14-Feb-24	208	1		1						1			
KTD.MS.2160	Implement TTA for lift and install main sheel frame of shelter for Ramp 2 and Ramp 1 (Nightwork maybe required)	39	06-Jun-23		15-Feb-24	03-Apr-24	208	1	t	1	1		¦					1	
		65	24-Jul-23			-	208	1									1	1	
KTD.MS.2170	Install remaining steel members, glass balustrade, shelter roof top and ancillary facilities								È	·	·		·		<u> </u>				+
KTD.MS.2180	Install remaining E&M works inclu lighting and drainage system and steel light trough for RHS subway part	52	25-Aug-23	27-Oct-23	17-Feb-24	22-Apr-24	143	1	E	1	1		1				1	1	1
		61	28-Oct-23	27-Dec-23	23-Apr-24	22-Jun-24	178	2	1	1	1		1 1		1 1	1	1	1	

▼ V Critical Milestone

Critical Remaining Work

V Summary

Rev. 46 ED/2018/05 Kai Tak Development - Stage 5B Infrastructure Works at the Former North Apron Area WORKS PROGRAMME

(Page 6 of 12)

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03-May-24 30-May-24 27-Jun-24

1/TD 110 0000	Discond Completion of and Banking of subject to Autors (O40) (Delated to O2-1103			Finish		22-Jun-24	Float 178	2	JAS	UND	FMAM	JASON	DJF		JJASON	NU JFI	MAMJ	JA
KTD.MS.9999	Planned Completion of modification of existing Subway KS10 (Related to Section 3)	0 814	27-Mar-21	27-Dec-23 22-Dec-23	14-Apr-21	22-Jun-24 22-Dec-23	178	2						1				1
and an except and the state of	STRICT COOLING SYSTEM WORKS			Conception of the owner of	a special for the second		18	2							+		++	·
KTD.DCS.1000	Liaison/coordinate with utility and service undertakings on connection works of DCS works	180	27-Mar-21	22-Sep-21	14-Apr-21	10-Oct-21	-	2				_	_					
KTD.DCS.1010	Allow time frame for CLP new 132kV cable laying works at Road L9 (Refer to Programme provided by CLP on 16 Jun 2021;	48	11-Oct-21	06-Dec-21	11-Oct-21	06-Dec-21	0						- <u> </u>		+		-++	
KTD.DCS.1020	Install ELS and excavate from SV-S-2A58 to CH280	49	07-Dec-21	08-Feb-22	07-Dec-21	08-Feb-22	0	1		1			T					
KTD.DCS.1030	Construct chamber and install pipe&fiiting of SV-S-2A5B	88	09-Feb-22	28-May-22	09-Feb-22	28-May-22	0	1				ļ						ļ
KTD,DCS.1040	Install pipeline from SV-S-2A5B to CH280 (52mL, 14 joints)	24	30-May-22	27-Jun-22	30-May-22	27-Jun-22	0	1		1				-	1			
KTD, DCS, 1041-PM/87-A	Observed and email informed the clash of existing box culvert and DN900 pipe with DCS CH285 to CH280	0	28-Jun-22	28-Jun-22	27-Jun-22	27-Jun-22	0	1				ļļ			<u></u>			Ļ
KTD.DCS.1041-PMI87-B	Formation of site to excavate and expose the existing box culvert	18	28-Jun-22	19-Jul-22	28-Jun-22	19-Jul-22	0	1		1			1	1	<b>P</b>			
KTD.DCS.1041-PMI87-C	Liaison with CLP for Slewing of low voltage power cable above existing box culvert	43	20-Jul-22	07-Sep-22	20-Jul-22	07-Sep-22	0	1		1								
KTD.DCS.1041-PMI87-D	Construction of observating opening and pumping of still water within the abandoned existing box culvert	23	08-Sep-22	07-Oct-22	08-Sep-22	07-Oct-22	0	1		1	1	T T						
KTD.DCS.1041-PMI87-E	Reviewing Design by AACL for Demolition and End Wall Construction of Existing Box Culvert, DN900 and DN1200	28	08-Oct-22	09-Nov-22	08-Oct-22	09-Nov-22	0	1		1			1	1		£		
KTD.DCS.1041-PMI87-F	Recieve drawing for removal of existing box culvert and drainage pipes at road L9 by Email	0	10-Nov-22	10-Nov-22	09-Nov-22	09-Nov-22	0	1				1			1 1		1	1
KTD.DCS.1041-PMI87-G	Demolition of Existing Box Culvert, DN900, DN1200 and Construction of End Wal	15	10-Nov-22	26-Nov-22	10-Nov-22	26-Nov-22	0	1		1					1			
KTD.DCS.1041-PMI87-H	Additional time required to backfill, compact and competted install pipeline from SV-S-2A5B to CH280	39	28-Nov-22	14-Jan-23	28-Nov-22	14-Jan-23	0	1				+			+	i	++	Ì
		25	16-Jan-23	15-Feb-23	16-Jan-23	15-Feb-23	0	1										
KTD,DCS,1050	Backfilling for trench from SV-S-2A5B to CH280						0	1				+			+			+
KTD.DCS.1060	Install ELS and excavate from CH310 to SV-S-2A10/CH334	20	16-Feb-23	10-Mar-23	16-Feb-23	10-Mar-23				1			1	1		_		
KTD.DCS.1070	Construct chamber and install pipe&fitting of SV-S-2A10	89	11-Mar-23	30-Jun-23	11-Mar-23	30-Jun-23	0	1				Ļ			<u></u>			-
KTD.DCS.1080	Backfilling for trench from CH310 to SV-S-2A10	20	03-Jul-23	25-Jul-23	03-Jul-23	25-Jul-23	0	1										
KTD.DCS.1090	Construct ducting and drawpits from SV-S-2A5B/SV-S-2A10 to CH280	25	26-Jul-23	23-Aug-23	26-Jul-23	23-Aug-23	0	1		1								
KTD.DCS.1100	Install ELS and excavate from SV-S-2A5A/CH190 to CH220	60	20-Sep-22	30-Nov-22	20-Sep-22	30-Nov-22	0	1				T			-			
KTD.DCS.1110	Construct chamber and install pipe&fiiting of SV-S-2A5A	91	01-Dec-22	22-Mar-23	01-Dec-22	22-Mar-23	0	1					1	1				
KTD.DCS.1120	Install pipeline from SV-S-2A5A to CH220	30	23-Mar-23	02-May-23	23-Mar-23	02-May-23	0	1							1		-	
		7	01-Dec-22	08-Dec-22	06-Jan-23	13-Jan-23	28	1					1	1		0		
KTD.DCS.1130	Implementation of TTA for existing roundabout at Olympic Avenue	24			14-Jan-23	09-Feb-23	28	1				+			+			ł
KTD.DCS.1140	Site clearance, cable detection and trial pit excavation at existing public road at Olympic Avenue	21	09-Dec-22	05-Jan-23										1			. 1	1
KTD.DCS.1150	Install ELS and excavate from CH220 to CH280	52	06-Jan-23	09-Mar-23	10-Feb-23	15-Apr-23	28	1	ļ			<u> </u>			+		4	ļ
KTD.DCS.1160	Install pipeline from CH220 to CH280	26	10-Mar-23	13-Apr-23	17-Apr-23	17-May-23	28	1									┦_	1
KTD.DCS.1170	Backfilling for trench from SV-S-2A5A to CH280	32	03-May-23	09-Jun-23	18-May-23	26-Jun-23	13	1										<u> </u>
KTD.DCS.1180	Construct ducting and drawpits from CHV-S2A5A to CH100	51	24-Aug-23	25-Oct-23	24-Aug-23	25-Oct-23	0	1										
KTD,DCS,1190	Install ELS and excavate from SV-S-2A4/CH100 to CH190	52	22-Feb-23	27-Apr-23	05-Jun-23	05-Aug-23	82	1									<b>-</b>	
KTD.DCS.1200	Construct chamber and install pipe&fitting of SV-S-2A4	90	24-Mar-23	15-Jul-23	07-Jul-23	21-Oct-23	82	1							1			È.
KTD.DCS.1210	Install pipeline from SV-S-2A4 to CH190	65	14-Jun-23	30-Aug-23	20-Sep-23	07-Dec-23	82	1										-
		26	16-Aug-23	14-Sep-23	23-Nov-23	22-Dec-23	82	1				÷			+		-++	÷
KTD.DCS.1220	Backfilling for trench from SV-S-2A4 to CH190	-					84	1					1	1				
KTD.DCS.1230	Install ELS and excavate from CH0 to CH100	52	22-Feb-23	27-Apr-23	07-Jun-23	08-Aug-23			ļ	·								+
KTD.DCS.1240	Install pipeline from CH0 to CH100	26	28-Apr-23	30-May-23	09-Aug-23	07-Sep-23	84	1					1					L
KTD.DCS.1250	Backfill for trench from CH0 to CH100	38	31-May-23	15-Jul-23	08-Sep-23	25-Oct-23	84	1				<u> </u>						Ţ.,
KTD.DCS.1260	Construct ducting and drawpits from CH100 to CH0 and existing drawpit	25	26-Oct-23	23-Nov-23	26-Oct-23	23-Nov-23	0	1										
KTD,DCS.1270	T&C of the installed DCS pipes before connection to existing DCS system	25	24-Nov-23	22-Dec-23	24-Nov-23	22-Dec-23	0	1										1
KTD.DCS.1280	Planned Completion of DCS works within Parts 1 and 1A (Related to Section 9)	0	1	22-Dec-23		22-Dec-23	0	2			1	T T		1	T	1	1 1	T
ENOVATION OF FYIS	TING SUBWAYS KS9 AND KS32	986	31-Jul-20	24-Nov-23	05-Oct-20	22-Feb-24	72					+ +			+ +		+ +	1
KTD.RS.1000	Liasion with UAP project and relevant departments for possession approval/consent	366	31-Jul-20	31-Jul-21	05-Oct-20	05-Oct-21	66	2			·····			1	1		T	T
KTD.RS.1001	Prepare/submisstion of TTA for KS9 and KS32	45	01-Aug-21	14-Sep-21	06-Oct-21	19-Nov-21	66	2										
the state of the second se	Submission for MS/Shop Drawings/Material for shelter for KS9 and KS32	63	16-Aug-21	17-Oct-21	21-Oct-21	22-Dec-21	66	2							1		1	1
KTD.RS.1002		1997	18-Oct-21	15-Jan-22	01-Mar-22	29-May-22		2										1
KTD.RS.1003	Off-site fabrication of shelter for KS9 and KS32	90										+			·+			÷
KTD.RS.1010	Application of XP for renovation works of existing subway KS9 and KS32	153	18-Aug-21	17-Jan-22	13-Jul-21	12-Dec-21	-36	2					1	1				1
RENOVATION OF EXIST	NG SUBWAY KS32	550	18-Jan-22	24-Nov-23	16-Dec-21	22-Feb-24	72							1				1
KTD.KS32.1000	Implement TTA (Phase 1) for closing staircases at both sides and one side of Subway KS32	6	18-Jan-22	24-Jan-22	16-Dec-21	22-Dec-21	-25	1										1
KTD.KS32.1010	Site clearance and erect temporary partition along Subway KS9 for working area	29	25-Jan-22	02-Mar-22	23-Dec-21	28-Jan-22	-25	1										1
KTD.KS32.1020	and the second	63	03-Mar-22	21-May-22	29-Jan-22	20-Apr-22	-25	1				T						1
N10.N002.1020	Demolition of existing wall tiles at both side staircases, floor finishes and furnitures, incl handrail/guardrail/lights				LUUUIILL		1	1					1					-
		29	06-May-22		01-Apr-22	11-May-22	-25										++	T
KTD.KS32.1025	Construct wall and floor finishes at both staircases	29	06-May-22 11-Jun-22	10-Jun-22	01-Apr-22		-25	1			4	1 1		1	i 🛁	10	1 1	
KTD.KS32.1025 KTD.KS32.1030	Construct wall and floor finishes at both staircases Construct roof and floor finishes along LHS of subway part	65	11-Jun-22	10-Jun-22 26-Aug-22	01-Apr-22 31-May-22	16-Aug-22		1									1 1	1
KTD.KS32.1025 KTD.KS32.1030 KTD.KS32.1040	Construct wall and floor finishes at both staircases Construct roof and floor finishes along LHS of subway part Install VE panel and its sub-frame along LHS of subway part	65 39	11-Jun-22 27-Aug-22	10-Jun-22 26-Aug-22 14-Oct-22	01-Apr-22 31-May-22 17-Aug-22	16-Aug-22 03-Oct-22	-9 -9	1										ļ
KTD.KS32.1025 KTD.KS32.1030 KTD.KS32.1040 KTD.KS32.1050	Construct wall and floor finishes at both staircases Construct roof and floor finishes along LHS of subway part Install VE panel and its sub-frame along LHS of subway part Advance works for installing steel shelters for both sides staircases	65 39 15	11-Jun-22 27-Aug-22 11-Jun-22	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22	01-Apr-22 31-May-22 17-Aug-22 12-May-22	16-Aug-22 03-Oct-22 28-May-22	-9 -9 -25	1 1 1										
KTD.KS32.1025 KTD.KS32.1030 KTD.KS32.1040	Construct wall and floor finishes at both staircases         Construct roof and floor finishes along LHS of subway part         Install VE panel and its sub-frame along LHS of subway part         Advance works for installing steel shelters for both sides staircases         Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe required)	65 39 15 24	11-Jun-22 27-Aug-22 11-Jun-22 04-Jul-22	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22	01-Apr-22 31-May-22 17-Aug-22 12-May-22 30-May-22	16-Aug-22 03-Oct-22 28-May-22 27-Jun-22	-9 -9 -25 -28	1 1 1 1										
KTD.KS32.1025 KTD.KS32.1030 KTD.KS32.1040 KTD.KS32.1050	Construct wall and floor finishes at both staircases Construct roof and floor finishes along LHS of subway part Install VE panel and its sub-frame along LHS of subway part Advance works for installing steel shelters for both sides staircases	65 39 15	11-Jun-22 27-Aug-22 11-Jun-22	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22	01-Apr-22 31-May-22 17-Aug-22 12-May-22 30-May-22	16-Aug-22 03-Oct-22 28-May-22	-9 -9 -25	1 1 1 1 1								1		
KTD.KS32.1025 KTD.KS32.1030 KTD.KS32.1040 KTD.KS32.1050 KTD.KS32.1060	Construct wall and floor finishes at both staircases         Construct roof and floor finishes along LHS of subway part         Install VE panel and its sub-frame along LHS of subway part         Advance works for installing steel shelters for both sides staircases         Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe required)	65 39 15 24	11-Jun-22 27-Aug-22 11-Jun-22 04-Jul-22	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22 05-Nov-22	01-Apr-22 31-May-22 17-Aug-22 12-May-22 30-May-22	16-Aug-22 03-Oct-22 28-May-22 27-Jun-22 03-Oct-22	-9 -9 -25 -28 -28	1 1 1 1 1 1 1										
KTD.KS32.1025 KTD.KS32.1030 KTD.KS32.1040 KTD.KS32.1050 KTD.KS32.1060 KTD.KS32.1070	Construct wall and floor finishes at both staircases         Construct roof and floor finishes along LHS of subway part         Install VE panel and its sub-frame along LHS of subway part         Advance works for installing steel shelters for both sides staircases         Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe required)         Install remaining steel members, glass balustrade, shelter roof top and ancillary facilities for both sides staircases	65 39 15 24 81	11-Jun-22 27-Aug-22 11-Jun-22 04-Jul-22 01-Aug-22	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22 05-Nov-22 30-Jan-23	01-Apr-22 31-May-22 17-Aug-22 12-May-22 30-May-22 28-Jun-22	16-Aug-22 03-Oct-22 28-May-22 27-Jun-22 03-Oct-22 22-Dec-22	-9 -9 -25 -28 -28											
KTD.KS32.1025 KTD.KS32.1030 KTD.KS32.1040 KTD.KS32.1050 KTD.KS32.1060 KTD.KS32.1070 KTD.KS32.1080 KTD.KS32.1080	Construct wall and floor finishes at both staircases         Construct roof and floor finishes along LHS of subway part         hstall VE panel and its sub-frame along LHS of subway part         Advance works for installing steel shelters for both sides staircases         Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe required)         Install remaining steel members, glass balustrade, shelter roof top and ancillary facilities for both sides staircases         Install partial E&M works inclu lighting and drainage system and steel light trough for LHS of subway part         Implement TTA (Phase 2) for closing RHS of subway part	65 39 15 24 81 68	11-Jun-22 27-Aug-22 11-Jun-22 04-Jul-22 01-Aug-22 07-Nov-22	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22 05-Nov-22 30-Jan-23 16-Feb-23	01-Apr-22 31-May-22 17-Aug-22 12-May-22 30-May-22 28-Jun-22 05-Oct-22 23-Dec-22	16-Aug-22 03-Oct-22 28-May-22 27-Jun-22 03-Oct-22 22-Dec-22 12-Jan-23	-9 -9 -25 -28 -28 -28 -28 -28 -28											
KTD.KS32.1025           KTD.KS32.1030           KTD.KS32.1040           KTD.KS32.1050           KTD.KS32.1050           KTD.KS32.1070           KTD.KS32.1080           KTD.KS32.1090           KTD.KS32.100	Construct wall and floor finishes at both staircases         Construct roof and floor finishes along LHS of subway part         hstall VE panel and its sub-frame along LHS of subway part         Advance works for installing steel shelters for both sides staircases         Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe required)         Install remaining steel members, glass balustrade, shelter noof top and ancillary facilities for both sides staircases         Install partial E&M works inclu lighting and drainage system and steel light trough for LHS of subway part         Implement TTA (Phase 2) for closing RHS of subway part         Site clearance and erect temporary partition along subway part for working area	65 39 15 24 81 68 15	11-Jun-22 27-Aug-22 11-Jun-22 04-Jul-22 01-Aug-22 07-Nov-22 31-Jan-23	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22 05-Nov-22 30-Jan-23 16-Feb-23	01-Apr-22 31-May-22 17-Aug-22 12-May-22 30-May-22 28-Jun-22 05-Oct-22 23-Dec-22	16-Aug-22 03-Oct-22 28-May-22 27-Jun-22 03-Oct-22 22-Dec-22 12-Jan-23 02-Feb-23	-9 -9 -25 -28 -28 -28 -28 -28 -28	1										
KTD.KS32.1025           KTD.KS32.1030           KTD.KS32.1040           KTD.KS32.1050           KTD.KS32.1050           KTD.KS32.1060           KTD.KS32.1070           KTD.KS32.1080           KTD.KS32.1090           KTD.KS32.1100           KTD.KS32.1110	Construct wall and floor finishes at both staircases         Construct roof and floor finishes along LHS of subway part         hstall VE panel and its sub-frame along LHS of subway part         Advance works for installing steel shelters for both sides staircases         Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe required)         Install remaining steel members, glass balustrade, shelter noof top and ancillary facilities for both sides staircases         Install partial E&M works inclu lighting and drainage system and steel light trough for LHS of subway part         Implement TTA (Phase 2) for closing RHS of subway part         Site clearance and erect temporary partition along subway part for working area         Demolition of existing floor finishes and furnitures, incl lighting	65 39 15 24 81 68 15 16 29	11-Jun-22 27-Aug-22 11-Jun-22 04-Jul-22 01-Aug-22 07-Nov-22 31-Jan-23 17-Feb-23 08-Mar-23	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22 05-Nov-22 30-Jan-23 16-Feb-23 07-Mar-23 14-Apr-23	01-Apr-22 31-May-22 17-Aug-22 12-May-22 30-May-22 28-Jun-22 05-Oct-22 23-Dec-22 13-Jan-23	16-Aug-22 03-Oct-22 28-May-22 27-Jun-22 03-Oct-22 22-Dec-22 12-Jan-23 02-Feb-23 08-Mar-23	-9 -9 -25 -28 -28 -28 -28 -28 -28 -28	1 1 1										
KTD.KS32.1025           KTD.KS32.1030           KTD.KS32.1040           KTD.KS32.1050           KTD.KS32.1050           KTD.KS32.1060           KTD.KS32.1070           KTD.KS32.1080           KTD.KS32.1090           KTD.KS32.1100           KTD.KS32.1110           KTD.KS32.1120	Construct wall and floor finishes at both staircases         Construct roof and floor finishes along LHS of subway part         hstall VE panel and its sub-frame along LHS of subway part         Advance works for installing steel shelters for both sides staircases         Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe required)         Install remaining steel members, glass balustrade, shelter noof top and ancillary facilities for both sides staircases         Install partial E&M works inclu lighting and drainage system and steel light trough for LHS of subway part         Implement TTA (Phase 2) for closing RHS of subway part for working area         Demolition of existing floor finishes and furnitures, incl lighting         Construct roof and floor finishes and grunitures, incl lighting	65 39 15 24 81 68 15 16 29 68	11-Jun-22 27-Aug-22 11-Jun-22 04-Jul-22 01-Aug-22 07-Nov-22 31-Jan-23 17-Feb-23 08-Mar-23 15-Apr-23	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22 05-Nov-22 30-Jan-23 16-Feb-23 07-Mar-23 14-Apr-23 07-Jul-23	01-Apr-22 31-May-22 17-Aug-22 12-May-22 28-Jun-22 05-Oct-22 23-Dec-22 13-Jan-23 03-Feb-23 09-Mar-23	16-Aug-22 03-Oct-22 28-May-22 27-Jun-22 03-Oct-22 22-Dec-22 12-Jan-23 02-Feb-23 08-Mar-23 02-Jun-23	-9 -9 -25 -28 -28 -28 -28 -28 -28 -28 -28 -28 -28	1 1 1										
KTD.KS32.1025           KTD.KS32.1030           KTD.KS32.1040           KTD.KS32.1050           KTD.KS32.1060           KTD.KS32.1070           KTD.KS32.1080           KTD.KS32.1080           KTD.KS32.1080           KTD.KS32.1100           KTD.KS32.1110           KTD.KS32.1120           KTD.KS32.1130	Construct wall and floor finishes at both staircases         Construct roof and floor finishes along LHS of subway part         hstall VE panel and its sub-frame along LHS of subway part         Advance works for installing steel shelters for both sides staircases         Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe required)         Install remaining steel members, glass balustrade, shelter noof top and anciliary facilities for both sides staircases         Install partial E&M works inclu lighting and drainage system and steel light trough for LHS of subway part         Implement TTA (Phase 2) for closing RHS of subway part         Site clearance and erect temporary partition along subway part for working area         Demolition of existing floor finishes and furnitures, incl lighting         Construct roof and floor finishes along RHS of subway part         Install VE panels along RHS of subway part	65 39 15 24 81 68 15 16 29 68 42	11-Jun-22 27-Aug-22 11-Jun-22 04-Jul-22 01-Aug-22 07-Nov-22 31-Jan-23 17-Feb-23 08-Mar-23 15-Apr-23 08-Jul-23	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22 30-Jul-22 30-Jul-23 30-Jul-23 16-Feb-23 07-Mar-23 14-Apr-23 07-Jul-23 25-Aug-23	01-Apr-22 31-May-22 17-Aug-22 12-May-22 30-May-22 28-Jun-22 05-Oct-22 23-Dec-22 13-Jan-23 03-Feb-23 03-Feb-23 03-Jun-23	16-Aug-22 03-Oct-22 28-May-22 27-Jun-22 03-Oct-22 22-Dec-22 12-Jan-23 02-Feb-23 08-Mar-23 02-Jun-23 24-Jul-23	-9 -9 -25 -28 -28 -28 -28 -28 -28 -28 -28 -28 -28	1 1 1 1										
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KTD.KS32.1025           KTD.KS32.1030           KTD.KS32.1040           KTD.KS32.1050           KTD.KS32.1050           KTD.KS32.1070           KTD.KS32.1080           KTD.KS32.1090           KTD.KS32.1090           KTD.KS32.1100           KTD.KS32.110           KTD.KS32.1110           KTD.KS32.1120           KTD.KS32.1140           KTD.KS32.1140           KTD.RS.1030           KTD.RS.1040           RENOVATION OF EXIST           KTD.KS9.1000	Construct wall and floor finishes along LHS of subway part         Install VE panel and its sub-frame along LHS of subway part         Advance works for installing steel shelters for both sides staircases         Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe required)         Install remaining steel members, glass balustrade, shelter nof top and ancillary facilities for both sides staircases         Install partial E&M works inclu lighting and drainage system and steel light trough for LHS of subway part         Implement TTA (Phase 2) for closing RHS of subway part for working area         Demolition of existing floor finishes and furnitures, incl lighting         Construct roof and floor finishes and furnitures, incl lighting         Construct roof and floor finishes along RHS of subway part         Install VE panels along RHS of subway part         Install remaining E&M works inclu lighting and drainage system and steel light trough at Subway KS9         Planned Completion of enviation of existing Subways KS9 and KS32 (Related to Section 1)         Advance Completion of renovation of existing Subways KS9 and KS32 to Specific Contract Completion Date (Section 1)         ING SUBWAY KS9         Implement TTA (Phase 1) for closing staircases at both sides and LHS of subway part <td>65 39 15 24 81 68 15 16 29 68 42 55 0 23 418</td> <td>11-Jun-22 27-Aug-22 11-Jun-22 04-Jul-22 07-Nov-22 31-Jan-23 17-Feb-23 08-Mar-23 15-Apr-23 08-Jul-23 26-Aug-23 02-Nov-23 18-Jan-22</td> <td>10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22 05-Nov-22 30-Jan-23 16-Feb-23 07-Mar-23 14-Apr-23 07-Jul-23 25-Aug-23 01-Nov-23 24-Nov-23 24-Nov-23 17-Jun-23</td> <td>01-Apr-22 31-May-22 17-Aug-22 12-May-22 30-May-22 28-Jun-22 05-Oct-22 23-Dec-22 13-Jan-23 03-Feb-23 03-Feb-23 03-Jun-23 25-Jul-23 31-Jan-24 13-Dec-21</td> <td>16-Aug-22 03-Oct-22 28-May-22 27-Jun-22 03-Oct-22 22-Dec-22 12-Jan-23 02-Feb-23 02-Jun-23 26-Sep-23 26-Sep-23 22-Feb-24 <b>26-Sep-23</b> 18-Dec-21</td> <td>-9         -9           -25         -28           -28         -28           -28         -28           -28         -28           -28         -36           90         84           -28         -28</td> <td>1 1 1 1 1 1 1 1 2 2 1</td> <td></td>	65 39 15 24 81 68 15 16 29 68 42 55 0 23 418	11-Jun-22 27-Aug-22 11-Jun-22 04-Jul-22 07-Nov-22 31-Jan-23 17-Feb-23 08-Mar-23 15-Apr-23 08-Jul-23 26-Aug-23 02-Nov-23 18-Jan-22	10-Jun-22 26-Aug-22 14-Oct-22 28-Jun-22 30-Jul-22 05-Nov-22 30-Jan-23 16-Feb-23 07-Mar-23 14-Apr-23 07-Jul-23 25-Aug-23 01-Nov-23 24-Nov-23 24-Nov-23 17-Jun-23	01-Apr-22 31-May-22 17-Aug-22 12-May-22 30-May-22 28-Jun-22 05-Oct-22 23-Dec-22 13-Jan-23 03-Feb-23 03-Feb-23 03-Jun-23 25-Jul-23 31-Jan-24 13-Dec-21	16-Aug-22 03-Oct-22 28-May-22 27-Jun-22 03-Oct-22 22-Dec-22 12-Jan-23 02-Feb-23 02-Jun-23 26-Sep-23 26-Sep-23 22-Feb-24 <b>26-Sep-23</b> 18-Dec-21	-9         -9           -25         -28           -28         -28           -28         -28           -28         -28           -28         -36           90         84           -28         -28	1 1 1 1 1 1 1 1 2 2 1										
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	Activity Name	Dur (d)	Early Start	Early Finish	Late Start	Late Finish	Float	Calendar		NDJFN			ONDJF		JAS	OND	JFMA	MJJA	SON
KTD.KS9.1010	Site clearance and erect temporary partition along subway part for working area	29	25-Jan-22	02-Mar-22	20-Dec-21	25-Jan-22	-28	1											
KTD.KS9.1020	Demolition of existing wall tiles at both side staircases, floor finishes and fumitures, incl handrail/guardrail/lights	42	03-Mar-22	25-Apr-22	26-Jan-22	18-Mar-22	-28	1				ļļ			ļ]				
KTD.KS9.1025	Construct wall and floor finishes at both staircases	29	07-Apr-22	16-May-22	04-Mar-22	07-Apr-22	-28	1					1	-					
TD.KS9.1030	Construct roof and floor finishes along LHS of subway part	45	17-May-22	09-Jul-22	06-Oct-22	26-Nov-22	117	1				ļļ				ļļ			
D.KS9.1040	Install VE panels and its sub-frame along LHS of subway part	26	11-Jul-22	09-Aug-22	28-Nov-22	29-Dec-22	117	1										1	
TD.KS9.1050	Advance works for installing steel shelters for both sides staircases	15	17-May-22	02-Jun-22	08-Apr-22	28-Apr-22	-28	1							<u> </u>				
KTD.KS9.1055	Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe required)	24	04-Jun-22	02-Jul-22	29-Apr-22	28-May-22	-28	1										1	1
(TD,KS9,1060	Install remaining steel members, glass balustrade, shelter roof top and ancillary facilities	65	04-Jul-22	17-Sep-22	13-Oct-22	29-Dec-22	84	1				ļļ				<u> </u>			
KTD.KS9.1070	Install partial E&M works inclu lighting and drainage system and steel light trough for LHS of subway part	52	19-Sep-22	19-Nov-22	30-Dec-22	03-Mar-23	84	1							1 7				
KTD.KS9.1080	Implement TTA (Phase 2) for closing RHS of subway part	12	21-Nov-22	03-Dec-22	04-Mar-23	17-Mar-23	84	1							ļ				1
KTD.KS9.1090	Site clearance and erect temporary partition along subway part for working area	13	05-Dec-22	19-Dec-22	18-Mar-23	01-Apr-23	84	1											
KTD.KS9.1100	Demolition of existing floor finishes and furnitures, incl lighting	21	20-Dec-22	16-Jan-23	03-Apr-23	02-May-23	84	1								<u> </u>	3		
KTD.KS9.1110	Construct roof and floor finishes along RHS of subway part	45	17-Jan-23	11-Mar-23	03-May-23	26-Jun-23	84	1								T			1
KTD.KS9.1120	Install VE panels along RHS of subway part	26	13-Mar-23	15-Apr-23	27-Jun-23	27-Jul-23	84	1			1					1	Ļ		1
KTD.KS9.1130	Install remaining E&M works inclu lighting and drainage system and steel light trough at Subway KS9	52	17-Apr-23	17-Jun-23	28-Jul-23	26-Sep-23	84	1			1	1 1	1		1	1	E		1
	ING RISING MAIN AND DEMOLITION OF EXISTING STRUCTURES AT SITE 2C2 & 2C3	373	16-Sep-20	17-Dec-21	17-Sep-20	17-Dec-21	0	1 200											
CTD,RM.1000	Liasion with relevant departments for removal of abandoned motorcycles under existing structures at Site 2C2 and 2C3	60	16-Sep-20	14-Nov-20	17-Sep-20	15-Nov-20	1	2		1									T
	Removal of abandoned motorcycles and clearance for demolition works	14	16-Nov-20	01-Dec-20	16-Nov-20	01-Dec-20	0	1											-
D.RM.1001		37	02-Dec-20	07-Jan-21	02-Dec-20	07-Jan-21	0	2			·	łł				t	t		+
D.RM.1002	Conduct asbestos survey and submission of AR/AAP to EPD for approval			03-Feb-21	08-Jan-21	03-Feb-21	0	2											1
D.RM.1003	Submit notification of commencement of removal works of asbestos at existing cottage at Site 2C2 and 2C3	27	08-Jan-21			03-Peb-21	10	1			+	<u> </u>			<u>├</u>	<u>├</u>			+-
D.RM.1004	Erect scaffold and demolition of existing RC structure at Site 2C2 and 2C3	39	08-Jan-21	25-Feb-21	20-Jan-21	-25-0070-0020-005-0													-
D.RM.1005	Erect protection, removal of asbestos and demolition of existing cottage at Site 2C2 and 2C3	26	04-Feb-21	09-Mar-21	04-Feb-21	09-Mar-21	0	-				<u>↓</u>							
D.RM.1011	Trial pit excavation to bcate existing twin rising main at CHD and CH184 (1 team)	12	10-Mar-21	23-Mar-21	10-Mar-21	23-Mar-21	0	1			1								1
D.RM.1012	Open-cut excavation for construction of twin rising main from CH0 to CH184 (175mL,3500m3 exca, 1 team)	63	24-Mar-21	11-Jun-21	24-Mar-21	11-Jun-21	0	1				L			ļļ	ļļ			
D.RM.1020	Lay and install pipeworks and cast thrust blocks for twin rising main from CH0 to CH184 (184mL)	115	17-Apr-21	02-Sep-21	17-Apr-21	02-Sep-21	0	1		1									-
D.RM.1021	Install ELS and excavate for connection pit for twin rising main at CH0 and CH184 (20mL, 960m3 exca, 1 team)	39	19-Aug-21	05-Oct-21	19-Aug-21	05-Oct-21	0	1							ļ	ļ			1
D.RM.1025	Cut existing rising main, lay and install pipeworks and cast thrust blocks for connection of Pipeline 1	18	06-Oct-21	27-Oct-21	06-Oct-21	27-Oct-21	0	1		1									
D.RM.1027	Cut existing rising main, lay and install pipeworks and cast thrust blocks for connection of Pipeline 2	18	28-Oct-21	17-Nov-21	28-Oct-21	17-Nov-21	0	1											1
TD.RM.1030	Backfilling works and abandon the existing sewage rising main	26	18-Nov-21	17-Dec-21	18-Nov-21	17-Dec-21	0	1		1	1	T I							
D.RM.1040	Planned Completion of diversion and demolition of existing structures at Site 2C2 and 2C3 (Related to Section 5)	0		17-Dec-21		17-Dec-21	0	2					▼						
STRUCTION OF F		1342	31-Jul-20	07-Feb-25	07-Apr-20	30-Jun-26	412				1	1 1		1	1	1 1		1	1
INSTRUCTION OF SL		707	31-Jul-20	15-Dec-22	14-Feb-22	30-Jun-26	1047				1	<del>i i</del>			<del>i i</del>				
KTD.SR.1000	Liaison/coordinate with utility and service undertakings on diversion works (including CLP, DCS work and etc.)	180	31-Jul-20	26-Jan-21	14-Feb-22	12-Aug-22	563	2			1	††			11	1			T
KTD.SR.1010	Expose and install protect/support system for existing underground utilities and services (incl 132kV and 400kV cables)	104	21-Oct-20	26-Feb-21	07-May-22	08-Sep-22	454	1		1									
KTD.SR.1020	Pre-drilling works for pile caps PC1, PC2 and south side of PC3 to PC7 (14 nos, 2 rigs)	131	27-Nov-20	11-May-21	15-Mar-22		382	1				+			††	tt			Ť
		1	12-May-21	12-May-21	23-Aug-22			1	-		1						( I		
TD.SR.1030-CSD2	Pre-drilling works for pile caps north side of PC3 to PC7 (10 nos, 2 rigs)	132	26-Nov-20		14-Mar-22		382	1				+			÷		+		÷
KTD.SR.1031-CSD2	Submission/approval for CSD Proposal and Detail Design Report by the Employer/relevant authorities			12-May-21		1.	382	1							1				
KTD.SR.1032-CSD2	Expose existing 132kV and 400kV cables, remove existing abandoned chamber and install protection to existing duct banks	26	12-May-21	11-Jun-21	24-Aug-22	1	382	1			+	<u></u>			+				÷
KTD.SR.1040-CSD2	Piling works of pre-bored H-piles (14 nos, 610dia x 70m, 1 rig)	70	29-May-21	20-Aug-21	09-Sep-22			1							1				-
KTD.SR.1050	Installation of ELS and excavation and construction for pile cap PC1 (60m3 exca, 30m3 conc, 1 learn)	26	21-Aug-21	20-Sep-21	03-Dec-22		382	1	ļ						/				
KTD,SR.1060	Construction of temporary supporting system for existing bridge K73	39	21-Sep-21	08-Nov-21	10-Oct-23			1		1		1							1
KTD.SR.1070	Demolition of existing bearing wall	26	09-Nov-21	08-Dec-21	25-Nov-23	27-Dec-23	607	1				ļļ			!				
KTD.SR.1080	Installation of ELS and excavation and construction for pile cap PC2 (60m3 exca, 30m3 conc, 1 team)	26	09-Dec-21	11-Jan-22	28-Dec-23	27-Jan-24	607	1			1		<b></b>						1
KTD.SR.1090	Construction of remaining foundation and pier structures (incl. columns, portal beams and etc.) (169m3, 1 team)	52	12-Jan-22	16-Mar-22	29-Jan-24	03-Apr-24	607	1			<u> </u>	<u> </u>			1	<u> </u>	<u> </u>		
KTD.SR.1100	Construction of cantilever slab extended from ext. bridge K73 (150m3, 1 team)	39	17-Mar-22	06-May-22	05-Apr-24	22-May-24	607	1			1			Ļ.					
KTD.SR.1110	Backfilling for pile caps (PC1 and PC2)	26	07-May-22	08-Jun-22	23-May-24	22-Jun-24	607	1			1								
KTD.SR.2000-CSD2	Piling works of pre-bored H-piles (31 nos, 610dia x 80m, 1 rig)	125	21-Aug-21	20-Jan-22	03-Jan-23	06-Jun-23	405	1			1								
KTD.SR.2001-CSD2	Site clearance, post-piling tests and proof drilling works for pre-bored H-piles (3 tests and 2 proof drills)	26	21-Jan-22	23-Feb-22	30-May-26	30-Jun-26	1289	1						a					
KTD.SR.2010	Installation of ELS and excavation and construction for pile caps (P3-P7,1110m3 exca, 800m3 conc, 2 teams)	52	21-Jan-22	25-Mar-22	07-Jun-23	08-Aug-23	405	1			1	1			1	1	[]	ĺ	T
KTD.SR.2010	Construction of Retaining Wall S14 (Bay1-4, 460m3, 2 teams)	39	26-Mar-22					1						È	1				
	Construction of Retaining viair 514 (bay1-4, 40015), 2 (bans) Construction of bridge S14 decking structures (320m3, 1 teams)	32	18-May-22					1				†			i;i	1			÷
KTD.SR.2030		26	25-Jun-22		15-Nov-23	1.		1			1								
KTD.SR.2040	Prestressing works and bearing installation works							1							<u> </u>	·	<del> </del>		
KTD.SR.2050	Backfilling for Retaining Wall S14 (Bay 1-7, 1800m3, 2 teams)	36	25-Jun-22		12000-2000-0						1				Γ				-
KTD.SR.3000	Installation of ELS and excavation for Retaining Wall S14 (Bay5-11, 3600m3 exca, 2 team)	90	21-Aug-21	07-Dec-21				1						<u> </u>	ļ	ļļ	<u> </u>		
1000000	Construction of Retaining Wall S14 (Bay5-11, 800m3, 2 teams)	184	04-Nov-21					1			1		1	1 -	1				
KTD,SR.3010		90	18-May-22	01-Sep-22	28-Aug-23	13-Dec-23	382	1				1				<u> </u>	l		
	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams)		10-Aug-22	12-Oct-22	21-Nov-23	23-Jan-24	382	1								1			
KTD,SR,3010		52	10-Hug-22		1 22 2 22	02-Feb-24	382	1	6 1		1	1		1	1				- 1
KTD,SR,3010 KTD,SR,3020	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams)	52 18	30-Sep-22	22-Oct-22	13-Jan-24	0210021													
KTD.SR.3010 KTD.SR.3020 KTD.SR.3030	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams) Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated gullies				13-Jan-24 27-Apr-24		448	1			1	1							
KTD,SR.3010 KTD,SR.3020 KTD,SR.3030 KTD,SR.3050	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams) Excervate and construct stormwater drain from SMH1062 to SMH1066 and associated gullies Backfill and compact sub-base from CH336 to CH124	18	30-Sep-22		27-Apr-24			1 2								▼			
KTD,SR3010 KTD,SR3020 KTD,SR3030 KTD,SR3050 KTD,SR3060 KTD,SR9999	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams)         Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated gullies         Backfill and compact sub-base from CH336 to CH124         Construction of road pavement, road marking, street and other facilities         Planned Completion of Slip Road S14 (Related to Section 3)	18 46	30-Sep-22	15-Dec-22 15-Dec-22	27-Apr-24	22-Jun-24 22-Jun-24	555												
KTD,SR3010 KTD,SR3020 KTD,SR3030 KTD,SR3050 KTD,SR3060 KTD,SR9999 CONSTRUCTION OF R	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams)         Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated gullies         Backfill and compact sub-base from CH336 to CH124         Construction of road pavement, road marking, street and other facilities         Planned Completion of Slip Road S14 (Related to Section 3)         OADS D1, L9, L16, PEDESTRIAN STREETS AND OPEN SPACES	18 46 0	30-Sep-22 24-Oct-22	15-Dec-22 15-Dec-22 07-Feb-25	27-Apr-24	22-Jun-24 22-Jun-24 30-Jun-26	555 412		-			-							
KTD,SR3010 KTD,SR3020 KTD,SR3030 KTD,SR3050 KTD,SR3060 KTD,SR9999 CONSTRUCTION OF R CONSTRUCTION OF R	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams)         Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated gullies         Backfill and compact sub-base from CH336 to CH124         Construction of road pavement, road marking, street and other facilities         Planned Completion of Slip Road S14 (Related to Section 3)         OADS D1, L9, L16, PEDESTRIAN STREETS AND OPEN SPACES         ROADS L9 & L16 AND OLYMPIC AVENUE WITHIN PART 1	18 46 0 1315	30-Sep-22 24-Oct-22 01-Sep-20	15-Dec-22 15-Dec-22 07-Feb-25 22-Feb-24	27-Apr-24	22-Jun-24 22-Jun-24 30-Jun-26 26-Sep-23	555 412 -120		•			-							
KTD,SR3010 KTD,SR3020 KTD,SR3030 KTD,SR3050 KTD,SR3060 KTD,SR9999 CONSTRUCTION OF R CONSTRUCTION OF CONSTRUCTION OF	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams)         Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated guilles         Backfill and compact sub-base from CH336 to CH124         Construction of road pavement, road marking, street and other facilities         Planned Completion of Slip Road S14 (Related to Section 3)         OADS D1, L9, L16, PEDESTRIAN STREETS AND OPEN SPACES         ROADS L9 & L16 AND OLYMPIC AVENUE WITHIN PART 1         OF UNDERGROUND UTILITIES AND ROADWORKS AT ROAD L16 WITHIN PART 1 (NON-XP AREA)	18 46 0 1315 763 709	30-Sep-22 24-Oct-22 01-Sep-20 30-Jul-21 30-Jul-21	15-Dec-22 15-Dec-22 07-Feb-25 22-Feb-24 15-Dec-23	27-Apr-24 07-Apr-20 11-May-21 11-May-21	22-Jun-24 22-Jun-24 30-Jun-26 26-Sep-23 26-Sep-23	555 412 -120 -66												
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KTD,SR,3010           KTD,SR,3020           KTD,SR,3030           KTD,SR,3050           KTD,SR,3060           KTD,SR,3060           KTD,SR,30999           ONSTRUCTION OF R           CONSTRUCTION OF CONSTRUCTION OF CONSTRUCTION           KTD,L16,1000           KTD,L16,1010	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams)         Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated guilles         Backfill and compact sub-base from CH336 to CH124         Construction of road pavement, road marking, street and other facilities         Planned Completion of Slip Road S14 (Related to Section 3)         OADS D1, L9, L16, PEDESTRIAN STREETS AND OPEN SPACES         ROADS L9 & L16 AND OLYMPIC AVENUE WITHIN PART 1         OF UNDERGROUND UTILITIES AND ROADWORKS AT ROAD L16 WITHIN PART 1 (NON-XP AREA)         Excavate and construct stormwater drainage from SMH904 to SMH911 and associated drain pits         Backfill and compact the excavated trench from SMH904 to SMH911	18 46 0 1315 763 709 14 6	30-Sep-22 24-Oct-22 01-Sep-20 30-Jul-21 30-Jul-21 30-Jul-21 16-Aug-21	15-Dec-22 15-Dec-22 07-Feb-25 22-Feb-24 15-Dec-23 14-Aug-21 21-Aug-21	27-Apr-24 07-Apr-20 11-May-21 11-May-21 11-May-21 11-May-21 28-May-21	22-Jun-24 22-Jun-24 30-Jun-26 26-Sep-23 26-Sep-23 27-May-21 03-Jun-21	555 412 3 -120 3 -66 1 -66 -66												
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KTD,SR.3010           KTD,SR.3020           KTD,SR.3030           KTD,SR.3050           KTD,SR.3060           KTD,SR.9999           CONSTRUCTION OF R           CONSTRUCTION OF R           CONSTRUCTION OF KTD,L16,1000           KTD,L16,1014	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams)         Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated guilles         Backfill and compact sub-base from CH336 to CH124         Construction of road pavement, road marking, street and other facilities         Planned Completion of Slip Road S14 (Related to Section 3)         OADS D1, L9, L16, PEDESTRIAN STREETS AND OPEN SPACES         ROADS L9 & L16 AND OLYMPIC AVENUE WITHIN PART 1         OF UNDERGROUND UTILITIES AND ROADWORKS AT ROAD L16 WITHIN PART 1 (NON-XP AREA)         Excavate and construct stormwater drainage from SMH904 to SMH911 and associated drain pits         Backfill and compact the excavated trench from SMH904 to SMH911	18 46 0 1315 763 709 14 6	30-Sep-22 24-Oct-22 01-Sep-20 30-Jul-21 30-Jul-21 30-Jul-21 16-Aug-21	15-Dec-22 15-Dec-22 07-Feb-25 22-Feb-24 15-Dec-23 14-Aug-21 21-Aug-21	27-Apr-24 07-Apr-20 11-May-21 11-May-21 11-May-21 11-May-21 28-May-21	22-Jun-24 22-Jun-24 <b>30-Jun-26</b> 26-Sep-23 26-Sep-23 27-May-2* 03-Jun-21 13-Jul-21	555 412 3 -120 3 -66 1 -66 -66												-
KTD,SR3010         KTD,SR3020         KTD,SR3030         KTD,SR3050         KTD,SR3060         KTD,SR3999         CONSTRUCTION OF R         CONSTRUCTION OF R         CONSTRUCTION OF R         CONSTRUCTION OF R         KTD,L16,1000         KTD,L16,1014	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams) Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated gullies Backfill and compact sub-base from CH336 to CH124 Construction of road pavement, road marking, street and other facilities Planned Completion of Slip Road S14 (Related to Section 3) OADS D1, L9, L16, PEDESTRIAN STREETS AND OPEN SPACES ROADS L9 & L16 AND O LYMPIC AVENUE WITHIN PART 1 OF UNDERGROUND UTILITIES AND ROADWORKS AT ROAD L16 WITHIN PART 1 (NON-XP AREA) Excavate and construct stormwater drainage from SMH904 to SMH911 and associated drain pits Backfill and compact the excavated trench from SMH909 to SMH911 and associated drain pits Planned Work	18 46 0 1315 763 709 14 6 32	30-Sep-22 24-Oct-22 30-Jul-21 30-Jul-21 30-Jul-21 30-Jul-21 16-Aug-21 23-Aug-21	15-Dec-22 15-Dec-22 07-Feb-25 22-Feb-24 15-Dec-23 14-Aug-21 21-Aug-21 29-Sep-21	27-Apr-24 07-Apr-20 11-May-21 11-May-21 11-May-21 28-May-21 04-Jun-21	22-Jun-24 22-Jun-24 30-Jun-26 26-Sep-23 26-Sep-23 27-May-2* 03-Jun-21 13-Jul-21	555 412 3 -120 3 -66 1 -66 -66 -66 ev. 46	2	Vorke a	t the F	orme		rth Api	ron Are	20			03-May-	-24
KTD.SR.3010 KTD.SR.3020 KTD.SR.3030 KTD.SR.3050 KTD.SR.3060 KTD.SR.9999 CONSTRUCTION OF R CONSTRUCTION OF CONSTRUCTION OF CONSTRUCTION OF KTD.L16,1010 KTD.L16,1014	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams) Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated gullies Backfill and compact sub-base from CH336 to CH124 Construction of road pavement, road marking, street and other facilities Planned Completion of Slip Road S14 (Related to Section 3) OADS D1, L9, L16, PEDESTRIAN STREETS AND OPEN SPACES ROADS L9 & L16 AND O LYMPIC AVENUE WITHIN PART 1 OF UNDERGROUND UTILITIES AND ROADWORKS AT ROAD L16 WITHIN PART 1 (NON-XP AREA) Excavate and construct stormwater drainage from SMH904 to SMH911 and associated drain pits Backfill and compact the excavated trench from SMH909 to SMH911 and associated drain pits Planned Work	18 46 0 1315 763 709 14 6 32	30-Sep-22 24-Oct-22 30-Jul-21 30-Jul-21 30-Jul-21 30-Jul-21 16-Aug-21 23-Aug-21	15-Dec-22 15-Dec-22 07-Feb-25 22-Feb-24 15-Dec-23 14-Aug-21 21-Aug-21 29-Sep-21	27-Apr-24 07-Apr-20 11-May-21 11-May-21 11-May-21 28-May-21 04-Jun-21	22-Jun-24 22-Jun-24 30-Jun-26 26-Sep-23 26-Sep-23 27-May-2* 03-Jun-21 13-Jul-21 75B Infr	555 412 -120 -66 1 -66 -66 -66 ev. 46 astrue	2 1 1 1 1 2		t the F	Forme		rth Ap	ron Are	9a				-24
KTD.SR.3010 KTD.SR.3020 KTD.SR.3050 KTD.SR.3050 KTD.SR.3060 KTD.SR.9999 CONSTRUCTION OF R CONSTRUCTION OF CONSTRUCTION OF KTD.L16,1010 KTD.L16,1014	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams)         Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated gullies         Backfill and compact sub-base from CH336 to CH124         Construction of road pavement, road marking, street and other facilities         Planned Completion of Slip Road S14 (Related to Section 3)         OADS D1, L9, L16, PEDESTRIAN STREETS AND OPEN SPACES         ROADS L9 & L16 AND OLYMPIC AVENUE WITHIN PART 1         OF UNDERGROUND UTILITIES AND ROADWORKS AT ROAD L16 WITHIN PART 1 (NON-XP AREA)         Excavate and construct stormwater drainage from SMH904 to SMH911 and associated drain pits         Backfill and compact the excavated trench from SMH904 to SMH911 and associated drain pits         Planned Work         Planned Work         ED/2018/05 Kat	18 46 0 1315 763 709 14 6 32	30-Sep-22 24-Oct-22 30-Jul-21 30-Jul-21 30-Jul-21 30-Jul-21 16-Aug-21 23-Aug-21	15-Dec-22 15-Dec-22 07-Feb-25 22-Feb-24 15-Dec-23 14-Aug-21 21-Aug-21 29-Sep-21	27-Apr-24 07-Apr-20 11-May-21 11-May-21 11-May-21 28-May-21 04-Jun-21	22-Jun-24 22-Jun-24 30-Jun-26 26-Sep-23 26-Sep-23 27-May-2* 03-Jun-21 13-Jul-21	555 412 -120 -66 1 -66 -66 -66 ev. 46 astrue	2 1 1 1 1 2		t the F	Forme		rth Ap	ron Are	ea			03-May-	

V Critical Milestone

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KTD.L16.1017	Backfill and compact the excavated trench from SMH909 to SMH911	18	30-Sep-21	22-Oct-21	14-Jul-21	03-Aug-21	-66	4								
KTD.L16.1020	Excavate and demolish the existing box culvert and backfill at Road L16	33	23-Oct-21	30-Nov-21	04-Aug-21	10-Sep-21	-66	-					·····-			
KTD.L16.1030	Excavate and construct stormwater drainage fm SMH911 to SMH916 and associated drain pits	55	01-Dec-21	09-Feb-22 05-Mar-22	11-Sep-21 18-Nov-21	17-Nov-21 11-Dec-21	-66 -66	-								
KTD.L16.1040	Backfill and compact the excavated trench from SMH911 to SMH916	21	10-Feb-22			23-Mar-22	-66					 				
KTD.L16.1050	Excavate and construct sewerage from SWTP1_1 to FMIH10_40 (182mL pipeline and manholes)	81	07-Mar-22	16-Jun-22	13-Dec-21		243	1								
KTD.L16.1060	Excavate and install fresh watermain from CHC0 to CHC180 and associated tees with chambers	63	17-Jun-22		24-Mar-22	13-Jun-22	-66	1	<b>.</b>			 				+
KTD.L16.1070	Excavate and install salt watermain from CHC0 to CHC180 and associated tees with chambers	42	31-Aug-22	21-Oct-22	14-Jun-22	02-Aug-22		1								1
KTD.L16,1080	Excavate and install irregation pipeline at Road L16 within Part 1	29	22-Oct-22	24-Nov-22	03-Aug-22	05-Sep-22	-66	1	<b></b>			 				
KTD.L16.1090	Install and construct gully and associated drain pipes at Road L16 within Part 1	29	25-Nov-22		06-Sep-22	12-Oct-22	-66	1								
KTD.L16.1100	Install and construct road lighting and drawpits civil provisions at Road L16 within Part 1	29	31-Dec-22	06-Feb-23	13-Oct-22	15-Nov-22	-66	1				 				
KTD.L16.1110	Allowable time frame for UU undertakings to install their ducts/pits/chambers at Road L16 within Part 1	29	31-Dec-22	06-Feb-23	13-Oct-22	15-Nov-22	-66	1					1	1	-	
KTD.L16.1120	Backfill and compact to roadwork formation level at Road L16 within Part 1	15	07-Feb-23	23-Feb-23	16-Nov-22	02-Dec-22	-66	1				 				
KTD.L16.1130	Construct road kerb and planter at Road L16 within Part 1	42	24-Feb-23	18-Apr-23	03-Dec-22	26-Jan-23	-66	1								
KTD.L16.1140	Backfill and compact sub-base material for road work at Road L16 within Part 1	55	22-Mar-23	31-May-23	31-Dec-22	08-Mar-23	-66	1					i			Ļ
KTD.L16.1150	Construct carriagway pavement (Bitumen and concrete pavement) at Road L16 within Part 1	43	01-Jun-23	22-Jul-23	09-Mar-23	03-May-23	-66	1					1			
KTD.L16.1160	Lay paving blocks for pedestrian access at Road L16 within Part 1	78	24-Jul-23	25-Oct-23	27-Jun-23	26-Sep-23	-22	1								
KTD.L16.1170	TTA diversion for MTR SWT Station EVA (Stage 3, divert to newly constructed L16 as EVA)	10	24-Jul-23	03-Aug-23	04-May-23	15-May-23	-66	1				 				1
KTD.L16.1180	Excavate and construct remaining stormwater drainage and watermain connection	21	04-Aug-23	28-Aug-23	16-May-23	09-Jun-23	-66	1								
KTD.L16.1190	Construct remaining road kerb/planter at Road L16 within Part 1	15	29-Aug-23		10-Jun-23	28-Jun-23	-66	1				 	†			÷
KTD.L16.1200	Allowable time frame for UU undertakings to install remaining ducts/pits/chambers at Road L16 within Part 1	21	15-Sep-23	11-Oct-23	29-Jun-23	24-Jul-23	-66	1					1	-		
KTD.L16.1210	Lay paying blocks for remaining pedestrian access at Road L16 within Part 1	29	12-Oct-23	15-Nov-23	25-Jul-23	26-Aug-23	-66	1				 				
		55	12-0ct-23	15-Dec-23	25-Jul-23	26-Sep-23	-66	1								
KTD.L16.1220	Install road fumitures, road markings and landscaping works at Road L16 within Part 1		12-001-23		2000120			2				 	·····-			
KTD.L16.1230	Planned completion of underground utilities and roadworks at Road L16 within Part 1 (related to Section 1)	0	27 4- 25	15-Dec-23	20 14- 00	26-Sep-23	-80	2						1		1
	F UNDERGROUND UTILITIES AND ROADWORKS AT ROAD L9 WITHIN PART 1 (NON-XP AREA)	444	27-Apr-22		29-Mar-22		-21					 		·····		
KTD.L9.1000	TTA diversion for MTRC SWT Station EVA (Stage 2, divert to Sung Wong Toi Road and Crowd Dispersal Route)	0		27-Apr-22		29-Mar-22		1					▼			
KTD.L9.1010	Excavate and demolish the existing box culvert and backfill at Road L9	35	28-Apr-22	10-Jun-22	30-Mar-22	16-May-22		1				 				
KTD.L9.1020	Excavate and construct stormwater drainage from SMH1026 to SMH454 and associated drain pits	48	11-Jun-22	06-Aug-22	17-May-22	13-Jul-22	-21	1						-		
KTD.L9.1030	Excavate and install fresh watermain from CHB126 to CHB50 at Road L9 within Part 1	30	08-Aug-22	10-Sep-22	14-Jul-22	17-Aug-22	-21	1								
KTD.L9.1040	Excavate and install salt watermain from CHB125 to CHB50 at Road L9 within Part 1	30	13-Sep-22	19-Oct-22	18-Aug-22	22-Sep-22	-21	1						-		
KTD.L9,1050	Excavate and install integation pipeline at Road L9 within Part 1	26	20-Oct-22	18-Nov-22	23-Sep-22	25-Oct-22	-21	1								
KTD.L9.1060	Install and construct gully and associated drain pipes at Road L9 within Part 1	18	19-Nov-22	09-Dec-22	26-Oct-22	15-Nov-22	-21	1					[			T
KTD.L9.1070	Install and construct road lighting and drawpits civil provisions at Road L9 within Part 1	18	10-Dec-22	03-Jan-23	16-Nov-22	06-Dec-22	-21	1							, ei	
KTD.L9.1080	Allowable time frame for UU undertakings to install ducts/pits/chambers at Road L9 within Part 1 (non-XP area)	26	04-Jan-23	04-Feb-23	07-Dec-22	09-Jan-23	-21	1	1		†	 				1
KTD.L9.1090	Backfill and compact to roadwork formation level at Road L9 within Part 1	18	06-Feb-23	25-Feb-23	10-Jan-23	01-Feb-23	-21	1						1		
KTD.L9.1100	Construct road kerb and planter at Road L9 within Part 1	26	27-Feb-23		02-Feb-23	03-Mar-23	-21	1				 	·····			
KTD.L9.1110	Backfill and compact sub-base material for road work at Road L9 within Part 1	39	29-Mar-23		04-Mar-23	22-Apr-23	-21	1								
		52	19-May-23	1.000	24-Apr-23	26-Jun-23	-21	1	<b> </b>			 				
KTD.L9.1120	Construct carriageway pavement (Bitumen pavement) at Road L9 within Part 1							1								
KTD.L9.1130	Lay paving blocks for pedestrian access at Road L9 within Part 1	78	22-Jul-23	24-Oct-23	27-Jun-23	26-Sep-23	1.000		<b>.</b>			 				+
KTD.L9.1140	Planned completion of underground utilities and roadworks at Road L9 within Part 1 (non-XP area, related to Section 1)	0		24-Oct-23	000 / 01	26-Sep-23	-28	2					1			
	F UNDERGROUND UTILITIES AND ROADWORKS AT JUNCTION OF L9 & OLYMPIC AVENUE W/IN PART 1	322	04-Feb-22		25-Oct-21	10-Oct-22	-120		ļ			 				
KTD.L9,2000	Implement TTA for construct preliminary works for Olympic Avenue roundabout closure	3		07-Feb-22		27-0ct-21	-82	1					1			
KTD.L9.2010	Preliminary works for Olympic Avenue roundabout closure (incl demolish central divider, construct pavement and marking)	26	08-Feb-22	09-Mar-22	28-Oct-21	26-Nov-21	-82	1					ļ.			
KTD.L9.2020	TTA diversion for MTR SWT Station EVA (Stage 2, divert to Sung Wong Toi Road and Crowd Dispersal Route)	0		27-Apr-22		26-Nov-21		1					V			
KTD.L9.2030	Setup and implement TTA for Clympic Avenue roundabout closure	6	28-Apr-22	05-May-22	27-Nov-21	03-Dec-21	-120	1					0			
KTD.L9.2040	UU detection and trial pit excavation	7	06-May-22	14-May-22	04-Dec-21	11-Dec-21	-120	1								
KTD.L9.2050	Excavate and construct stormwater drainage from SMIH1026 to SMIH1042	42	16-May-22	05-Jul-22	13-Dec-21	05-Feb-22	-120	1					-			
KTD.L9.2060	Excavate and construct sewerage from 2A8_1 to FMH23_2	29	06-Jul-22	08-Aug-22	07-Feb-22	11-Mar-22	-120	1					Į			1
KTD.L9.2070	Excavate and construct FWM/SWM from CHB50 to CHB0 and CHA450 to CHA360 and associated tees with chambers	28	09-Aug-22	09-Sep-22	12-Mar-22	14-Apr-22	-120	1					1			
KTD.L9.2080	Excavate and install irregation pipeline at Junction of Road L9 & Olympic Avenue within Part 1	15	10-Sep-22	28-Sep-22	19-Apr-22	06-May-22	-120	1				 	1			1
KTD.L9.2090	Install and construct gully and associated drain pipes at Junction of Road L9 & Olypmic Avenue within Part 1	21	29-Sep-22			01-Jun-22		1						-		
KTD.L9.2100	Install and construct road lighting and drawpits civil provisions at Junction of Road L9 & Olympic Avenue within Part 1	21	29-Sep-22			01-Jun-22		1				 	†			<del> </del> -
	Allowable time frame for UU undertakings to install ducts/pits/chambers at Junction of L9 & Olympic Avenue w/in Part 1	29	26-Oct-22		02-Jun-22	07-Jul-22	-120	1						T.		
KTD.L9.2110			29-Nov-22		02-Jul-22	01-Aug-22		1				 				
KTD.L9.2120	Backfill and compact to formation level for roadworks at Junction of Road L9 & Olympic Avenue within Part 1	21						1								
KTD.L9.2130	Construct road kerb, central divider and planter at Junction of Road L9 & Olympic Avenue within Part 1	21	23-Dec-22		02-Aug-22	10 10 10 10 10 10 10 10 10 10 10 10 10 1	- Carlos		ļ			 		·····		
KTD.L9.2140	Backfill and compact sub-base material for road work at Junction of Road L9 & Olympic Avenue within Part 1	15	20-Jan-23		26-Aug-22			1					1			
KTD.L9.2150	Construct carriageway pavement (Biturnen pavement) at Junction of Road L9 & Olympic Avenue within Part 1	21	09-Feb-23		14-Sep-22	1	-	1				 	ļ			
CONSTRUCTION O	OF UNDERGROUND UTILITIES AND ROADWORKS AT OLYMPIC AVENUE WITHIN PART 1 (XP AREA)	288	06-Mar-23	22-Feb-24	11-Oct-22	26-Sep-23	-						1			
KTD.OLY.2000	Implement TTA for stom water drainage works at Oly Ave E/B and W/B (Phase 1) and UU detection	5	06-Mar-23	10-Mar-23	11-Oct-22	15-Oct-22	-120	1				 <u> </u>				1
KTD.OLY.2010	Excavate and construct stormwater drainage from SMH1035 to SMH1031 and SMH1042 to SMH100B and associated drain	21	11-Mar-23	04-Apr-23	17-Oct-22	09-Nov-22	-120	1								
KTD.OLY.2020	Install and construct gully and associated drain pipes at Oly Ave E/B and W/B (Phase 1)	11	06-Apr-23	21-Apr-23	10-Nov-22	22-Nov-22	-120	1								1
	Construct road kerb and central divider at Oly Ave E/B and W/B (Phase 1)	13	22-Apr-23	08-May-23	23-Nov-22	07-Dec-22	-120	1					Î			1
KTD.OLY.2030	Construct carriageway pavement (Biturnen pavement) at Oly Ave E/B and W/B (Phase 1)	21	09-May-23	02-Jun-23	08-Dec-22	04-Jan-23	-120	1						1		1
KTD.OLY.2030 KTD.OLY.2040		6	03-Jun-23	09-Jun-23	05-Jan-23	11-Jan-23	-120	1	1			 11	1			
	Remove TTA and implement TTA for stormwater drainage works at Oly Ave E/B and W/B (Phase 2) and UU detection					07-Feb-23	-120	1				1	1			
KTD.OLY.2040	Remove TTA and implement TTA for stormwater drainage works at Oly Ave E/B and W/B (Phase 2) and UU detection Excavate and cosntruct stormwater drainage from SMH1031 to SMH1030A and SMH100B to SMH100 and associated drai	21	10-Jun-23	06-Jul-23	12-Jan-23	01400-20										
KTD.OLY.2040 KTD.OLY.2050 KTD.OLY.2060	Excavate and cosntruct stormwater drainage from SMH1031 to SMH1030A and SMH100B to SMH100 and associated drain	-			12-Jan-23 08-Feb-23			1				 				+
KTD.OLY.2040 KTD.OLY.2050		21 11 13	10-Jun-23 07-Jul-23 20-Jul-23	19-Jul-23	08-Feb-23	20-Feb-23	-120	1				 				

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V Critical Milestone

Summary

Critical Remaining Work

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ED/2018/05 Kai Tak Development - Stage 5B Infrastructure Works at the Former North Apron Area WORKS PROGRAMME (Page 9 of 12) 03-May-24 30-May-24 27-Jun-24

	20	24		ſ.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20 A M J	25			2026	
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	Activity Name	Dur (d)	Early Start	Early Finish	Law orant	Late Finish	Total Float	Calendar	JAS	OND	JFMAM	JJASO	NDJFMA	MJJA	SONI	JEN
(TD.OLY.2090	Construct carriageway pavement (Bitumen pavement) at Oly Ave E/B and W/B (Phase 2)	21	04-Aug-23	28-Aug-23	08-Mar-23	31-Mar-23	-120	1		-1.10						-1.1"
	Remove TTA and implement TTA for FWM/SWM at Oly Ave W/B (Phase 3) and UU detection	6	29-Aug-23	04-Sep-23	01-Apr-23	12-Apr-23	-120	1								
	Excavate and construct FWM/SWM from CHA360 to CHA300 and assocated tees with chambers	15	05-Sep-23	21-Sep-23	13-Apr-23	29-Apr-23	-120	1						····-		·
		13	22-Sep-23	09-Oct-23	02-May-23	16-May-23	-120	1								
	Backfill and construct carriageway pavement (Bitumen pavement) at Oly Ave W/B (Phase 3)	6	10-Oct-23	16-Oct-23		23-May-23	-120	1								
	Remove TTA and implement TTA for FWM/SWM at Oly Ave W/B and E/B (Phase 4) and UU detection				17-May-23										1	
(TD.OLY.2140	Excavate and construct FWM/SWM from CHA300 to CHA100 and associated tees with chambers	21	17-Oct-23	10-Nov-23	24-May-23	17-Jun-23	-120	1								<u> </u>
(TD.OLY.2150	Backfill and construct carriageway pavement (Bitumen pavement) at Oly Ave W/B and E/B (Phase 4)	19	11-Nov-23	02-Dec-23	19-Jun-23	12-Jul-23	-120	1								
KTD.OLY.2160	Remove TTA and implement TTA for FWM/SWM at Sung Wong Toi Road S/B (Phase 5) and UU detection	6	04-Dec-23	09-Dec-23	13-Jul-23	19-Jul-23	-120	1								
(TD.OLY.2170	Excavate and construct FWM/SWM from CHA100 to CHA0 and associated tees with chambers	21	11-Dec-23	06-Jan-24	20-Jul-23	12-Aug-23	-120	1								1
CTD.OLY.2180	FWM/SWM pipeline washing and testing for connection	11	08-Jan-24	19-Jan-24	14-Aug-23	25-Aug-23	-120	1								1
	Backfill and construct carriageway pavement (Bitumen pavement) at Sung Wong Toi Road S/B (Phase 5)	21	20-Jan-24	15-Feb-24	26-Aug-23	19-Sep-23	-120	1				-++				1
		6	16-Feb-24	22-Feb-24		26-Sep-23	-120	1								
	Site clearance and remove TTA to resume traffic		10-1-60-24		20-36p-23											
TD.OLY.2210	Planned completion of underground utilities and roadworks at Olympic Avenue within Part 1 (related to Section 1)	0		22-Feb-24		26-Sep-23	-149	2								1
NSTRUCTION OF PED	DESTRIAN ACCESS FROM L9 TO OLYMPIC AVENUE WITHIN PART 1 (XP AREA)	330	29-Nov-22	09-Jan-24	19-Aug-22	26-Sep-23	-84									
TD.OLY.2220	Demolish and remove site hoarding from Road L9 to Olympic Avenue within Part 1	15	29-Nov-22	15-Dec-22	19-Aug-22	05-Sep-22	-84	1								
TD.OLY.2230	Site clearance and relocate construction material stockpile at Storage Yard	15	16-Dec-22	05-Jan-23	06-Sep-22	23-Sep-22	-84	1							1	<b>A</b>
TD.OLY.2240	Excavate and construct u-channels and connect to stormwater drainage system	29	06-Jan-23	10-Feb-23	24-Sep-22	29-Oct-22	-84	1								
	Install and construct road lighting and drawpits civil provisions from Road L9 to Olympic Avenue within Part 1	21	11-Feb-23	07-Mar-23	31-Oct-22	23-Nov-22	-84	1								
2007-020007101-007017-00080	Allowable time frame for UU undertakings to install ducts/pits/chambers from Road L9 to Olympic Avenue within Part 1	29	08-Mar-23	14-Apr-23	24-Nov-22	29-Dec-22	-84	1				-+				
																-
	Backfill and compact to formation level for road works	29	15-Apr-23	19-May-23		04-Feb-23	-84	1								ļ
TD.OLY.2280	Backfill and compact sub-base material for road works	29	20-May-23	24-Jun-23	06-Feb-23	10-Mar-23	-84	1								
TD.OLY.2290	Lay paving blocks for pedestrian access from Road L9 to Olympic Avenue within Part 1	42	26-Jun-23	14-Aug-23	11-Mar-23	04-May-23	-84	1								1
TD.OLY.2300	Implement TTA for closing existing pedestrian access from Road L9 to Cly Ave w/in Part 1 and divert to new access	4	15-Aug-23	18-Aug-23	05-May-23	09-May-23	-84	1								
	Remove existing paving blocks, excavate and install irregation pipeline from Road L9 to Olympic Avenue within Part 1	21	19-Aug-23	12-Sep-23	10-May-23	03-Jun-23	-84	1								
	Construct road kerb and planter fm Road L9 to Olympic Avenue within Part 1	29	13-Sep-23	18-Oct-23	05-Jun-23	10-Jul-23	-84	1								1
	Laying paving blocks for pedestrian access fm Road L9 to Olympic Avenue within Part 1	29	19-Oct-23	22-Nov-23	11-Jul-23	12-Aug-23	-84	1								1
		1155	1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2													<u> </u>
	Install road furnitures, road markings and landscaping works from Road L9 to Olympic Avenue within Part 1	38	23-Nov-23	09-Jan-24	14-Aug-23	26-Sep-23	-84	1								1
TD.OLY.2350	Planned completion of pedestrian access from Road L9 to Olympic Avenue within Part 1 (XP area, related to Section 1)	0		09-Jan-24		26-Sep-23	-105	2								<u> </u>
TRUCTION OF ROAD	D1 WITHIN PART 1A	494	24-Oct-22	22-Jun-24	22-Feb-23	22-Jun-24	0								-	1
STRUCTION OF POI	RTION 1 (ROAD D1 E/B & W/B CH170 TO CH230)	274	03-May-23	02-Apr-24	03-May-23	02-Apr-24	0	1								
ECTION 3A		274	03-May-23	02-Apr-24	03-May-23	02-Apr-24	0	1								1
	Site clearance, haul road diversion, formation and fence off working area	8	03-May-23	11-May-23	03-May-23	11-May-23	0	1								
	Chamber K1 Trial Pit Excavation	12	12-May-23	25-May-23	12-May-23	25-May-23	0	1								
							0	1					1 1			
	Chamber K1 Modification Works	52	27-May-23		27-May-23	28-Jul-23										
KTD.D1.1001.K1.3	Chamber K1 Backfilling Works	10	29-Jul-23	09-Aug-23	29-Jul-23	09-Aug-23	0	1								
KTD.D1.1010	Excavate and construct stormwater drain from SMH1023 to SMH1021 and associated gullies	40	10-Aug-23	25-Sep-23	10-Aug-23	25-Sep-23	0	1							1	1
KTD.D1.1050	Backfill and construct road kerb/central divider from Road D1 E/B & W/B CH170 to CH230 for road works	22	30-Jan-24	26-Feb-24	30-Jan-24	26-Feb-24	0	1					1 1	1		1
KTD.D1.1060	Backfill and compact sub-base from Road D1 E/B & W/B CH170 to CH230 for road works	28	27-Feb-24	02-Apr-24	27-Feb-24	02-Apr-24	0	1								
ECTION 3B		102	26-Sep-23	29-Jan-24	26-Sep-23	29-Jan-24	0	1								
KTD.D1.1020	Excavate and construct stormwater drain from SMH1054 to SMH1051 and associated gullies	42	26-Sep-23	16-Nov-23	26-Sep-23	16-Nov-23	0	1								1
							0	1								·
	Excavate and construct sewerage from FMH25_1 to FMH25_2a	30		21-Dec-23	17-Nov-23	21-Dec-23	U									
KTD.D1.1040	Excavate and construct FWM/SWM from CH450 to CH500	30	22-Dec-23	29-Jan-24	22-Dec-23	29-Jan-24	0	1								1
STRUCTION OF PO	RTION 2 (ROAD D1 E/B CH230 TO CH396)	395	22-Feb-23	22-Jun-24	22-Feb-23	22-Jun-24	0	1								
ECTION 3A		395	22-Feb-23	22-Jun-24	22-Feb-23	22-Jun-24	0	1								
KTD.D1.2000	Site clearance, haul road diversion, formation and fence off working area	16	22-Feb-23	11-Mar-23	22-Feb-23	11-Mar-23	0	1							1	
	Chamber AVC2 Excavation Works	20	13-Mar-23	04-Apr-23	13-Mar-23	04-Apr-23	0	1							1	
		84	06-Apr-23	20-Jul-23	06-Apr-23	20-Jul-23	0	1								
	Chamber AVC2 Modification Works	_	-		1											
	Chamber AVC2 Backfilling Works	20	21-Jul-23	12-Aug-23	21-Jul-23	12-Aug-23	0	1								ļ
KTD.D1.2001.WOC1.1	Chamber WOC1 Excavation Works	20	14-Aug-23	05-Sep-23	14-Aug-23	05-Sep-23	0	1								1
KTD.D1.2001.WOC1.2	Chamber WOC1 Modification Works	84	06-Sep-23	15-Dec-23	06-Sep-23	15-Dec-23	0	1								
KTD.D1.2001.WOC1.5	Chamber WOC1 Backfilling Works	15	16-Dec-23	05-Jan-24	16-Dec-23	05-Jan-24	0	1					1 I	[	1	1
KTD.D1.2010	Excavate and construct stormwater drain from SMH1101B to SMH1201C	54	06-Jan-24	11-Mar-24	06-Jan-24	11-Mar-24	0	1								1
KTD.D1.2020	Backfill and construct road kerb/central divider from Road D1 E/B CH230 to CH396	46	12-Mar-24		12-Mar-24		0	1								1
and the second se		36	10-May-24		10-May-24	22-Jun-24	0	1								
KTD.D1.2030	Backfill and compact sub-base from Road D1 E/B CH230 to CH396					and a stand have										
NSTRUCTION OF PO	RTION 3 (ROAD D1 W/B CH230 TO CH300)	142	22-Feb-23	Income States	10-Oct-23	02-Apr-24	187	1								
ECTION 3B		142	22-Feb-23	15-Aug-23	10-Oct-23	02-Apr-24	187	1								
KTD.D1.3000	Site clearance, haul road diversion, formation and fence off working area	4	22-Feb-23	25-Feb-23	10-Oct-23	13-Oct-23	187	1							1	1
KTD.D1.3010	Excavate and construct stormwater drain from SMH1120 to SMH1123 and associated gullies	26	27-Feb-23	28-Mar-23	14-Oct-23	14-Nov-23	187	1							1	0
KTD.D1.3020	Excavate and construct stormwater drain from SMH1001 to SMH1107 and assoicated gullies	37	21-Mar-23	08-May-23	07-Nov-23	19-Dec-23	187	1		[			T T	Ī	1	1
KTD.D1.3030	Excavate and construct sewerage from FMH25_2a to FMH25_4	12	09-May-23			05-Jan-24	187	1								
		26		23-Jun-23		05-Feb-24	187	. 1						·····		
KTD.D1.3040	Excavate and construct FMW/SWM from CH500 to CH570													1		
KTD.D1.3050	Backfill and construct road kerb/central divider from Road D1 W/B CH230 to CH300	26	24-Jun-23		06-Feb-24	08-Mar-24	187	1	į	ļ				····-		
KTD.D1.3060	Backfill and compact sub-base from Road D1 W/B CH230 to CH300	18	26-Jul-23	15-Aug-23	09-Mar-24	02-Apr-24	187	1								
NSTRUCTION OF PO	RTION 4 (ROAD D1 W/B CH300 TO CH396)	125	28-Apr-23	25-Sep-23	20-Dec-23	25-May-24	195	1								
SECTION 3B		125	28-Apr-23	25-Sep-23	20-Dec-23	25-May-24	195	1							1	[
KTD.D1,4000	Site clearance, haul road diversion, formation and fence off working area	4	28-Apr-23	03-May-23	20-Dec-23	23-Dec-23	195	1								
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estone	Planned Work					Re	v. 46									
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	KTD D1 4040	Excavate and construct stormwater drain from SMH1108 to SMH1108A	12	04-May-23	Finish 17-May-23	27-Dec-23	10-Jan-24	Float 195	1	JA	SON	JF	MAM	JJA	SON	DJFN	MAMJ	JASC	DINID	JEM		
	KTD.D1.4010 KTD.D1.4020	Excavate and construct stormwater drain from SMH1108 to SMH1108A Excavate and construct stormwater drain from SMH1107 to 1271 and associated gullies	26	18-May-23		21-Dec-23 11-Jan-24	09-Feb-24	195	1													
	KTD.D1.4030	Excavate and construct SWIVSWM from CH570 to CH670	35	13-Jun-23	25-Jul-23	05-Feb-24	18-Mar-24	195	1			·		-+				·				-
	KTD.D1.4040	Backfill and construct road kerb/central divider from Road D1 W/B CH300 to CH396	26	26-Jul-23	24-Aug-23	19-Mar-24	22-Apr-24	195	1		1											
	KTD.D1.4050	Backfill and construct sub-base from Road D1 W/B CH300 to CH396	35	16-Aug-23	25-Sep-23	12-Apr-24	25-May-24	195	1								1			1		-
	CONSTRUCTION OF F	PORTION 5 (PEDESTRIAN ACCESS AND CARRIAGEWAY PAVEMENTAT ROAD D1)	494	24-Oct-22	22-Jun-24	03-Feb-24	22-Jun-24	0											-	-	-	
	SECTION 3B		494	24-Oct-22	22-Jun-24	03-Feb-24	22-Jun-24	0			1		1	1				1				
	KTD,D1,5000	Demolition and removal of existing site hoarding or boundary fence at Road D1 E/B Pedestrian Access	25	24-Oct-22	21-Nov-22	03-Feb-24	05-Mar-24	382	1													
	KTD.D1.5010	Construct u-channel/lighting duct and drawpits at Road D1 E/B Pedestrian Access	25	22-Nov-22	20-Dec-22	06-Mar-24	08-Apr-24	382	1		1		1	1								
	KTD.D1.5020	Construct planter kerb at Road D1 E/B Pedestrian Access	18	21-Dec-22	13-Jan-23	09-Apr-24	29-Apr-24	382	1										Ģ	[]		
	KTD.D1.5030	Allowable time frame for UU undertakings to install ducts/pits/chambers at Road D1 E/B Pedestrian Access	18	14-Jan-23	06-Feb-23	30-Apr-24	22-May-24	382	1													
	KTD.D1.5040	Lay paving blocks and install street furnitures/facilities for Road D1 E/B Pedestrian Access	26	07-Feb-23	08-Mar-23	23-May-24	22-Jun-24	382	1									ļļ.				
	KTD.D1.6000	Construct u-channel/lighting duct and drawpits at Road D1 W/B Pedestrian Access from CH170 to CH300	26	17-Nov-23	16-Dec-23	09-Feb-24	12-Mar-24	69	1													
	KTD.D1.6010	Construct planter kerb at Road D1 W/B Pedestrian Access from CH170 to CH300	18	18-Dec-23	10-Jan-24	13-Mar-24	06-Apr-24	69	1	ļ							. <b>.</b>	ļļ.		·		
	KTD,D1.6020	Allowable time frame for UU undertakings to install ducts/pits/chambers at Road D1 W/B Pedestrian Access CH170 to CH30	18	11-Jan-24	31-Jan-24	08-Apr-24	27-Apr-24	69	1													
	KTD.D1.6030	Lay paving blocks and install street furnitures/facilities for Road D1 W/B Pedestrian Access CH170 to CH300	35	01-Feb-24	14-Mar-24	29-Apr-24	11-Jun-24	69	1	ļ								<b> </b>				-
	KTD.D1.6040	Construct landscaping softworks for Road D1 W/B Pedestrian Access CH170 to CH300	18	06-Mar-24	26-Mar-24	01-Jun-24	22-Jun-24	69	1													
	KTD.D1.7000	Construct u-channel/lighting duct and drawpits at Road D1 W/B Pedestrian Access CH300 to CH396	18	19-Jun-23	11-Jul-23	02-Mar-24	22-Mar-24	211	1	ļ								ŀ				-
	KTD.D1.7010	Construct planter kerb at Road D1 W/B Pedestrian Access CH300 to CH396	18	12-Jul-23	01-Aug-23		17-Apr-24	211	1													
	KTD.D1.7020	Allable time frame for UU undertakings to install ducts/pits/chambers at Road D1 W/B Pedestrian Access CH300 to CH396	18	02-Aug-23			09-May-24 11-Jun-24	211 211	1								-+	}				-
	KTD.D1.7030	Lay paving blocks and install street furnitures/facilities for Road D1 W/B Pedestrian Access CH300 to CH396	26	23-Aug-23 13-Sep-23		A	22-Jun-24	211	1													
	KTD.D1.7040	Construct landscaping softworks for Road D1 W/B Pedestrian Access CH300 to CH396 Construct carriageway pavement for Road D1 W/B CH170 to CH230 (12d for each layer test result, exclu wearing layer)	40	03-Apr-24	22-May-24		13-Jun-24	18	1								·+	<u> </u>				-
	KTD.D1.8000 KTD.D1.8010	Construct carriageway pavement for Road D1 W/B CR170 to CR230 (12d for each layer test result, excu wearing layer) Construct carriageway pavement and road marking for Road D1 E/B (12d for each layer test result, 3 layers)	40	27-Feb-24		27-Apr-24	22-Jun-24	48	1													
	KTD.D1.8010	Construct carriageway pavement and road marking for Road D1 Eb (12d for each layer test result, 3 layers) Construct carriageway pavement and road marking for Road D1 W/B (12d for each layer test result, 3 layers)	58	03-Apr-24	13-Jun-24	03-Apr-24	13-Jun-24	0	1								·+					•
	KTD.D1.9000	Advanced Completion of Road D1 within Part 1A	9	14-Jun-24		14-Jun-24	22-Jun-24	0	2													
	KTD.D1.9999	Planned Completion of Road D1 within Part 1A (Related to Section 3)	0	1 10 1 1 10 10	22-Jun-24		22-Jun-24	0	2								++					-
C	A Second Second Second	ROWD DISPERSAL ROUTE (CDR) WITHIN PARTS 2 AND 10	488	01-Sep-20	27-Apr-22	07-Apr-20	26-Nov-21	-120			-	+		-	-	+	+					
~	KTD.CDR.1000	Liaison/coordinate with CLP for new 132kV and 11kV cable laying at Road L16, Part 3 and Crowd Dispersal Route	126	01-Sep-20	04-Jan-21	07-Apr-20	10-Aug-20	-147	2	1					1		1	h		1		-
	KTD.CDR.1010	Excavate and construct storm drain pipework (40mL)/catchpit fm CH0 to CH20	51	05-Jan-21	08-Mar-21	11-Aug-20	10-Oct-20	-120	1													
	KTD.CDR.1020	Backfill pipeline area fm CH0 to CH20 and excavate and construct u-channel fm CH0 to CH180	69	09-Mar-21	03-Jun-21	12-Oct-20	04-Jan-21	-120	1			1		1	1		1	1				-
-	KTD.CDR.1030	Excavate and construct lighting drawpits and lay cable ducts fm CH0 to CH180	78	13-Apr-21	16-Jul-21	17-Feb-21	25-May-21	-43	1			1		-								
	KTD.CDR.1040	Backfill and compact sub-base and construct road pavement fm CH0 to CH180	78	14-May-21	16-Aug-21	15-Apr-21	19-Jul-21	-24	1			1	-			1	1	1	1			
-	KTD.CDR.1050	Excavate and construct u-channel fm CH180 to CH292	46	04-Jun-21	29-Jul-21	05-Jan-21	02-Mar-21	-120	1					-								
	KTD.CDR.1060	Excavate and construct lighting drawpits and lay cable ducts fm CH180 to CH292	45	17-Jul-21	07-Sep-21	26-May-21	19-Jul-21	-43	1	-		1	1									
	KTD.CDR.1070	Backfill and compact sub-base and construct road pavement fm CH180 to CH292	65	08-Sep-21	25-Nov-21	20-Jul-21	05-Oct-21	-43	1													
	KTD.CDR.1080	Excavate and construct storm drain pipework/manhole SMH119	43	30-Jul-21	17-Sep-21	03-Mar-21	26-Apr-21	-120	1				1									
	KTD.CDR.1090	Backfill pipeline area to SMH119 and construct u-channel fm CH292 to CH455	71	18-Sep-21	13-Dec-21	27-Apr-21	22-Jul-21	-120	1						-	•		ļļ.				
	KTD.CDR.1100	Excavate and construct lighting drawpits and lay cable ducts fm CH292 to CH455	55	22-Oct-21	24-Dec-21	29-May-21		-120	1										1			
	KTD.CDR.1110	Excavate and construct watermain pipework and install fire hydrants from CH316 to CH455	55	22-Oct-21	24-Dec-21	29-May-21	03-Aug-21	-120	1								l	<b>.</b>				
	KTD.CDR.1120	Backfill and compact sub-base and construct road pavement fm CH292 to CH455	81	22-Nov-21			05-Oct-21	-120	1						-							
	KTD.CDR.1130	Install chain-link fence from CH0 to CH455 and install lighting poles and cabling by HyD sub-contractor	44	03-Mar-22	192	06-Oct-21	26-Nov-21	-120	1	-				- <b>-</b>				. <b>.</b>				
	KTD.CDR.1140	Planned Completion of Roadworks and Utilities/Services within Parts 2 and 10 (Related to Section 6)	0	05 1 04	27-Apr-22	00 1- 04	26-Nov-21	-152	2			<u> </u>					•					
C		DESTRIAN STREETS NO.1, 3 & 4 WITHIN PART 3	633	05-Jan-21		02-Jan-21	24-Feb-24		2									+				
	KTD.RW.2060	Liaison/coordinate with adjacent projects (incl Station Square, Housing Sites and etc.) for interfacing issues	60	05-Jan-21			02-Mar-21	-3 298	2													
-		ROADWORK/LANDSCAPE WORKS AT PEDESTRIAN STREETS NO.1, 3 & 4	346	22-Dec-21	1	-	a share with	- Carlos	1									<u>ii</u>				-
	KTD.RW.2070	Construct roadwork and landscape softworks within Part 3 (incl pedestrian streets)	346 169	22-Dec-21 06-Mar-21	A CONTRACTOR OF THE	I and the second second	24-Feb-24 17-Dec-21	298 66	1						-				1			
		UNDERGROUND UTILITIES AT PEDESTRIAN STREETNO.1 Excavate and construct storm drain pipework (120mL)/catchpil/manholes fm SMH905A to SMH905B	68	06-Mar-21				-3	1					-+			. <del> </del>	++				-
-	KTD.PS1.1000 KTD.PS1.1010	Excavate and construct storm drain pipework (120mL/catchpirmannoies in SwineuSA & SwineuSB Backfill fm SMH905A & SMH905B	20	01-Jun-21		19-Aug-21	10-Sep-21	66	1		1	1										
-	KTD.PS1.1010	Construct fresh/salt watermain pipework (150mL)chambers along CHC9	39	25-Jun-21		11-Sep-21	29-Oct-21	66	1	-				-			+	<u>├</u>  -				-
	KTD.PS1.1020	Construct road lighting drawpits and lay cable ducts for Pedestrian Street No.1	39	13-Jul-21	26-Aug-21	VILLEY CONTRACTOR	15-Nov-21	66	1													
	KTD.PS1.1040	Backfill up to formation level for Pedestrian Street No.1	28	27-Aug-21		16-Nov-21	17-Dec-21	66	1									łł				1
		UNDERGROUND UTILITIES AT PEDESTRIAN STREET NO.3	170	01-Jun-21	and the second second	-		-3	1		-		v		-	-						
-	KTD.PS3.1000	Excavate and construct storm drain pipework (33mL) to Box Culvert B1	48	01-Jun-21		28-May-21		-3	1								1	†				-
	KTD.PS3.1010	Backfill pipework area and construct catchpits	29	29-Jul-21		2	27-Aug-21	-3	1													
	KTD.PS3.1020	Construct sewer drain pipework (171mL)/manholes fm FMH10_40 to FMH10_65b	39	01-Sep-21			15-Oct-21	-3	1				1	1	<b>-</b>		1					-
-	KTD.PS3.1030	Construct salt watermain pipework (150mL/chambers along CHC10/Construct road lighting drawpits and lay cable ducts	48	17-Sep-21	15-Nov-21	14-Sep-21	11-Nov-21	-3	1						÷		1					
-	KTD.PS3.1040	Backfill up to formation level for Pedestrian Street No.3	31	16-Nov-21	21-Dec-21	12-Nov-21	17-Dec-21	-3	1		1	1	1	T			1	T				
	CONSTRUCTION OF	UNDERGROUND UTILITIES AT PEDESTRIAN STREET NO.4	170	01-Jun-21	21-Dec-21	28-May-21	17-Dec-21	-3					V	-		-						į
-	KTD.PS4.1000	Excavate and construct storm drain pipework (192mL)/catchpit/manhole fm SMH505 to SMH1005A	48	01-Jun-21	28-Jul-21	28-May-21	24-Jul-21	-3	1					-								
-	KTD.PS4.1010	Excavate and construct sewer drain pipework (165mL)/manhole fm FMH25_30 to FMH25_10	51	25-Jun-21	24-Aug-21	22-Jun-21	20-Aug-21	-3	1					-								
		Backfill pipework area and construct fresh watermain pipework (170mL)/chambers along CHC11	39	25-Aug-21	11-Oct-21	21-Aug-21	07-Oct-21	-3	1						-							
	KTD.PS4,1020		29	12-Oct-21	15-Nov-21	08-Oct-21	11-Nov-21	-3	1													
	KTD.PS4,1020 KTD.PS4,1030	Construct road lighting drawpits and lay cable ducts	25	IL OUL I																		
		Construct road lighting drawpits and lay cable ducts Backfill up to formation level for Pedestrian Street No.4	31	16-Nov-21	21-Dec-21	12-Nov-21	17-Dec-21	-3	1						-			T				
	KTD.PS4.1030			-	21-Dec-21 21-Dec-21		17-Dec-21 17-Dec-21	-3 -4	1							▼						

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Summary

V Critical Milestone Critical Remaining Work

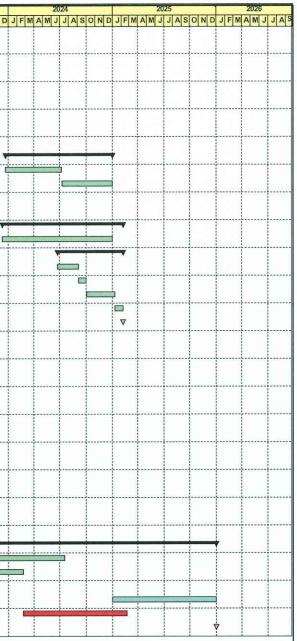
Rev. 46 ED/2018/05 Kai Tak Development - Stage 5B Infrastructure Works at the Former North Apron Area WORKS PROGRAMME (Page 11 of 12)

03-May-24 30-May-24 27-Jun-24

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ty ID		Activity Name		Early Start			Late Finish		Calendar	20	ASONDJFMAMJJASOND				2022 2023						
					Finish		· · · · · · · · · · · · · · · · · · ·	Float		JASO	NDJ	FMAN	JJA	SON	DJFN	AMJJ	ASON	DJFN	AMJ	JASO	NDJ
	CONSTRUCTION OF PI	EDESTRIAN STREET NO.2 WITHIN PART 4	336	23-Nov-20	11-Jan-22	23-Nov-20	24-Feb-24	629				1		1	1						
	KTD.PS2.1000	Liaison/coordinate with adjacent projects (incl Station Square, Housing Sites and etc.) for interfacing issues	60	23-Nov-20	21-Jan-21	23-Nov-20	21-Jan-21	0	2							<u>]                                    </u>					
	KTD.PS2.1010	Excavate and construct storm drain pipework (59mL) /catchpit/manholes from SMH404 to SMH402	28	22-Jan-21	26-Feb-21	22-Jan-21	26-Feb-21	0	1												
	KTD.PS2.1020	Backfill fm SMH404 to SMH402/Excavate and construct storm drain pipework (59mL)/catchpit/manhole fm SMH402 to SMH	29	19-Feb-21	24-Mar-21	19-Feb-21	24-Mar-21	0	1												
	KTD.PS2.1030	Backfill fm SMH402 to SMH401/Excavate and construct storm drain pipework (59mL)/catchpit/manhole fm SMH401 to SMH	26	17-Mar-21	20-Apr-21	17-Mar-21	20-Apr-21	0	1		1	i i									
	KTD.PS2.1040	Backfill within Part 4 and construct fresh watermain pipework (164mL)/chambers from CH179 to CH15	39	13-Apr-21	29-May-21	13-Apr-21	29-May-21	0	1												
	KTD.PS2.1050	Construct road lighting drawpits and lay cable ducts/Backfill upto formation level for Pedestrian Street No.2	26	31-May-21	30-Jun-21	31-May-21	30-Jun-21	0	1				-								
	KTD.PS2.1060	Planned Completion of Underground Utilities/Services within Part 4 (Related to Section 4)	0		30-Jun-21		30-Jun-21	0	2				Y		1	1					
	KTD.PS2.1070	Construct roadwork and landscape softworks within Part 4 (incl pedestrian street)	160	02-Jul-21	11-Jan-22	14-Aug-23	24-Feb-24	629	1					1	-						
	CONSTRUCTION OF R	OAD L16 WITHIN PART 6	303	23-Dec-23	31-Dec-24	15-Mar-24	30-Jun-25	144	1			1									-
	KTD.RW.2090	Liasion with developer of the sites 2A4, 2A5(B) and 2A10 and construction of drainage and sewage works within Part 6	156	23-Dec-23	06-Jul-24	15-Mar-24	23-Sep-24	66	1				1			T					Ļ
	KTD.RW.2100	Construct roadwork, remaining UUs/services and landscape softworks within Part 6 (incl remaining Road L16)	147	08-Jul-24	31-Dec-24	28-Dec-24	30-Jun-25	144	1												
	CONSTRUCTION OF R	OAD D1 WITHIN PART 5	312	30-Jun-22	18-Jul-23	08-Dec-22	27-Dec-23	134	1						1	-	1		1	-	
	KTD.RW.2080	Construct roadwork, underground utilities/services within Part 5	312	30-Jun-22	18-Jul-23	08-Dec-22	27-Dec-23	134	1		1			1				1	-		
	CONSTRUCTION OF U	NDERGROUND UTILITIES WITHIN PARTS 1B, 6A AND 7 AND REMAINING AT ALL PARTS	341	13-Dec-23	07-Feb-25	13-Jun-25	30-Jun-26	412			1	1		1		1					-
	KTD.RW.2110	Construct underground utilities/services within remaining works of all Parts	312	13-Dec-23	31-Dec-24	13-Jun-25	30-Jun-26	441	1												÷
	CONSTRUCTION OF	UNDERGROUND UTILITIES WITHIN PARTS 6A AND 7	187	24-Jun-24	07-Feb-25	11-Nov-25	30-Jun-26	412					1		1	1			1	1	
	KTD.P67.1000	Excavate/install FWM and SWM from CH400 to CH350 (50mL) and fittings	62	24-Jun-24	04-Sep-24	11-Nov-25	24-Jan-26	412	1												
	KTD,P67,1010	Backfill FWM and SWM from CH400 to CH350	21	05-Sep-24	30-Sep-24	26-Jan-26	21-Feb-26	412	1							1			T		1
	KTD.P67.1020	Excavate/install FWM and SWM from CH350 to CH300 (50mL) and fittings and chambers	83	02-Oct-24	10-Jan-25	23-Feb-26	04-Jun-26	412	1												1
	KTD.P67.1030	Backfill FWM and SWM from CH350 to CH300	21	11-Jan-25	07-Feb-25	05-Jun-26	30-Jun-26	412	1							11			1		
	KTD.P67.1040	Planned Completion of Underground Utilities/Services within Parts 6A and 7 (Related to Section 2)	0		07-Feb-25		30-Jun-26	508	2												į.
00		DITIONAL COVER WALKWAY FP3 UNDER PMI 006	115	30-Nov-20	23-Apr-21	30-Nov-20	23-Apr-21	0	and all a		-					1			11		
	D.FP3,1000	Land allocation/taking over from MTRC/LandsD for construction of additional footpath and cover walkway FP3	0	30-Nov-20		30-Nov-20		0	2		▼ !										
	ID.FP3.1010	Site clearence and formation works (1 team)	18	30-Nov-20	19-Dec-20	30-Nov-20	19-Dec-20	0	1							1			1		
	D.FP3.1020	Construction of storm drain system (incl. u-channel and catch pits, 15m3 conc., 1 team)	18	07-Dec-20	29-Dec-20	07-Dec-20	29-Dec-20	0	1					1	1	1					1
	D.FP3,1030	Implement TTA for come ction of storm drain system to existing manhole	1	30-Dec-20	30-Dec-20	07-Apr-21	07-Apr-21	76	1							+					
	ID.FP3.1040	Remove pavement, excavate for drain pipe laying and cast concrete surround (10m-L, 5.4m3 exca, 2m3 conc, 1 team)	8	31-Dec-20	09-Jan-21	08-Apr-21	16-Apr-21	76	1		þ						l				
100.00	D.FP3.1050	Backfilling and reinstatement of existing pavement (5m2, 1 team)	5	11-Jan-21	15-Jan-21	17-Apr-21	22-Apr-21	76	1							++-			†		
	ID.FP3.1060	Site clearenc and remove TTA to resume traffic	1	16-Jan-21	16-Jan-21	23-Apr-21	23-Apr-21	76	1		1										
	ID.FP3,1070	Placing concrete blocks foundation and erection of site hoarding (45m-L, 1 team)	6	21-Dec-20	29-Dec-20	21-Dec-20	29-Dec-20	0	1							1			†		
	ID.FP3.1080	Construction of foundation for footpath cover (230m3 conc, 1 team)	12	21-Dec-20	06-Jan-21	21-Dec-20	06-Jan-21	0	1			1			1						
	ID.FP3.1090	Installation of steel frame of footpath cover, ste hoarding and lighting system	15	30-Dec-20	100 - 20 TO SALA	30-Dec-20	16-Jan-21	0	1							++			†		
	TD.FP3.1100	Placing sub-base and construction of footpath pavement (45m3 sub-base, 35m3 conc, 1 team)	15	30-Dec-20	16-Jan-21	30-Dec-20	16-Jan-21	0	1		6										
	ID.FP3.1100	Construction/Installation for additional works for FP3 under CE028	76	18-Jan-21	23-Apr-21	18-Jan-21	23-Apr-21	0	1							++-			+		
	TD.FP3.1105	Provision of power supply by CLP for lighting system at FP3 (CE028)	76	18-Jan-21	23-Apr-21	18-Jan-21	23-Apr-21	0	1												
	TD.FP3.1110	Planned Completion of Additional Footpath and Over Walkway FP3 under PMI006	0	io dan 21	23-Apr-21	io cuir Er	23-Apr-21	0	2							++-					
			1450	12-Jan-22	31-Dec-25	27-Sep-23	30-Jun-26	181	2			1			-						
	ECT ESTABLISHME		365	19-Jul-23	17-Jul-24	28-Dec-23	26-Dec-24	162	2							++					
	EW.1000	Establishment works for all landscape softworks (except Parts 3, 4 and 6)	365	24-Feb-23	23-Feb-24	26-Feb-24	24-Feb-25	367	2											-	:
	EW.1010	Establishment works for landscape softworks within Part 3 (Subj to excision within 416 days)	365	12-Jan-22	11-Jan-23	26-Feb-24	24-Feb-25	775	2												·
025501.0	EW.1020	Establishment works for landscape softworks within Part 4 (Subj to excision within 244 days)						181	2									T			
	EW.1030	Establishment works for landscape softworks within Part 6	365	01-Jan-25	31-Dec-25	01-Jul-25	30-Jun-26	1000	2										ł		
	EW.1040	Establishment works for landscape softworks under Section 1	365	23-Feb-24		27-Sep-23	25-Sep-24	-149	2			1									
	EW.1050	Planned Contract Completion Date	0	1	31-Dec-25		30-Jun-26	181	2	1 I.			1	1	1	1 1	1	10	4 3	:	1

-7	V Milestere	Planned Work	Rev. 46	Date	
V	▼ Milestone	Planned Work		03-May-24	T
V	▼ Critical Milestone	Summary	ED/2018/05 Kai Tak Development - Stage 5B Infrastructure Works at the Former North Apron Area	30-May-24	T
	Critical Remaining Work			27-Jun-24	Ť
			(Page 12 of 12)		-



Revision	Checked	Approved
Works Programme	HL	RL
Works Programme	HL	RL
Works Programme	HL	RL

# Appendix C – Environmental monitoring schedules

## Contract No. EDO 2/2020 Environmental Monitoring at Kai Tak Development – Stage 5B infrastructure works at the former north apron area Environmental Monitoring and Weekly Site Inspection Schedule for September 2024

### September 2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3 30-min Noise: M4(A), M5(A)	3	4	5 Weekly Site Inspection	6	7 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3
8	9	10	11	12 Weekly Site Inspection	13 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3 30-min Noise: M4(A), M5(A)	14
15	16	17	18	19 Weekly Site Inspection 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3 30-min Noise: M4(A), M5(A)	20	21
22	23	24	25 Weekly Site Inspection + SSMC meeting 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3 30-min Noise: M4(A), M5(A)	26	27	28
29	30 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3 30-min Noise: M4(A), M5(A)					

Air Quality Monitoring Station

AM2(A) Ng Wah Catholic Secondary School AM3 - Sky Tower

# **Noise Quality Monitoring Station** M4(A) - Le Billionnaire

M5(A) - Prince Ritz

Contract No. EDO 2/2020 Environmental Monitoring at Kai Tak Development – Stage 5B infrastructure works at the former north apron area Tentative Environmental Monitoring and Weekly Site Inspection Schedule for October 2023

October 20
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Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3 Weekly Site Inspection	4	5 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3
6	7	8	9	10 Weekly Site Inspection 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3 30-min Noise: M4(A), M5(A)	11	12
13	14	15	16 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3 30-min Noise: M4(A), M5(A)	17 Weekly Site Inspection	18	19
20	21	22 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3 30-min Noise: M4(A), M5(A)	23	24 Weekly Site Inspection	25	26
27	28 24-hr TSP and 1-hrX3 TSP: AM2(A), AM3 30-min Noise: M4(A), M5(A)	29	30	31 Weekly Site Inspection + SSMC meeting		

NOTE:

1) Site inspection schedule and Impact monitoring schedule may be changed due to unforeseen circumstance (e.g. adverse weather).

Air Quality Monitoring Station

AM2(A) Ng Wah Catholic Secondary School AM3 - Sky Tower **Noise Quality Monitoring Station** M4(A) - Le Billionnaire M5(A) - Prince Ritz

# **Appendix D – Photographic records**



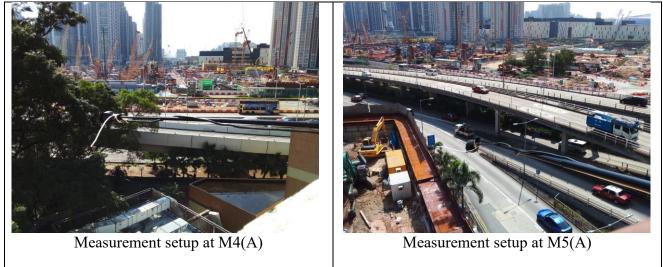


Measurement setup at AM3

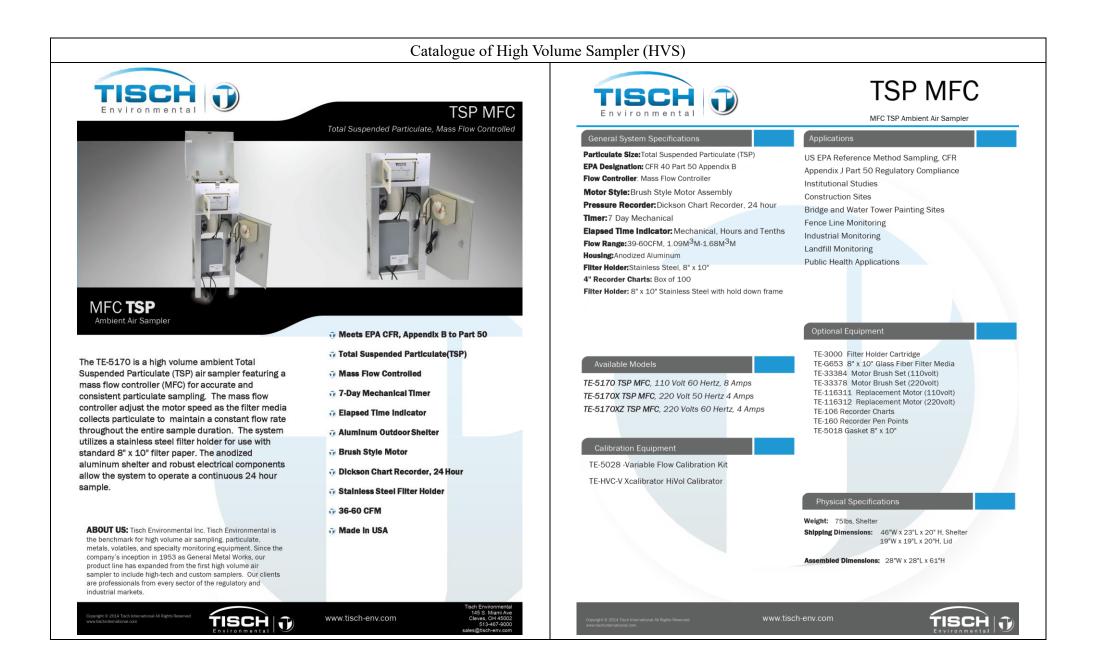


Weather Station at the rooftop of Ng Wah Catholic Secondary School

## Impact Noise Monitoring



Appendix E – Calibration certificates, catalogue of air quality monitoring equipment



	Calibra	tion Certif	icate of H	VS	 _		Calib
	Air Sampler	Calibration Curve P (Dickson recorde		on			Air Sample
Calibration curv	e ref. No. : ATSPC-0	1-2024080604 Date of	of calibration :	06/08/2024		Calibration curve ref.	No.: ATSPC
Model no :	Ng Wah Catholic Second			TE-5170X		Model no :	Sky Towe
Calibration Dat		Serial	Number :	4360		Calibration Data	
	etric pressure, Pa = 753	3.8 (mmHg) Ambi	ent temperature, Ta =	306.95 (deg K)		Ambient barometric	pressure, Pa = 7
Calibration Ori	fice					Calibration Orifice	
Model = TE		Qstd 5	Slope, m = 2.03976			Model = TE-502	5A
Serial No. =	0006	Qstd I	Intercept, b = -0.0	1299		Serial No. = 0006	
Calibration Due	Date: 06/05/2025	Qstd 0	Corr. coeff., r =1.00	000		Calibration Due Date	: 06/05/2025
Calibration Cu	ve					Calibration Curve	
Plate No.	H <sub>2</sub> O	Qstd	I ( chart )	IC ( corrected )		Plate No.	H <sub>2</sub> O
18	( in ) 7.60	(m <sup>3</sup> /min) 1.333	50.0	49.07		18	(in) 7.90
13	6.50	1.233	45.0	44.16		13	6.50
10	4.40	1.016	38.0	37.29		10	4.40
7	3.50	0.906	33.0	32.38		7	3.30
5	2.30	0.736	27.0	26.50		5	2.30
							on of sampler flow
	culation of sampler flow	aliberation associan	Slana m	Interest h Com and a		Subsequent calculati	on of sumpler now
Method	С	alibration equation Sqrt ( ( Pav / 760 ) ( 298 / Tav	Slope, m	Intercept, b Corr. coeff., r -0.9828 0.9983		Subsequent calculati Method Dickson recorder	Qstd = 1 / m1 [ ( I
	r Qstd = 1 / m1 [ (1) ( 75.00 55.00 45.00 35.00 15.00 45.00 55.00 45.00 55.00 45.00 55.00 45.00 55.00 45.00 55.00		))))-b1] 37.196			Method	
Method Dickson recorde	r Qstd = 1 / m1 [ (1) ( 75.00 65.00 55.00 45.00 35.00 15.00 0.6 0	Sqrt (( Pav / 760 ) (298 / Tav	))))-b1         37.196           Qaid (m3 min)         1.6           1.6         1.8         2.0           Curve         2.0			Method	Qstd = 1 / m1 [ (1 75.00 65.00 55.00 45.00 35.00 25.00 15.00 0.6
Method Dickson recorde	C           r         Qstd = 1 / ml [(1)(           65.00         1/ml [(1)(           65.00         1/ml [(1)(           45.00         1/ml [(1)(           45.00         1/ml [(1)(           15.00         1/ml [(1)(           0.6         0           c         requirements : (A). r >           Qstd (m <sup>3</sup> / min) = 1/m         1/ml [(1)(	Surt (( Pav / 760 ) (298 / Tav	))))-b1] 37.196	-0.9828 0.9983		Method Dickson recorder Calibration curve req Remark : Q	Qstd = 1 / m1 [ (1 75.00 [ [0] 65.00 ] [2] 55.00 [ 45.00 ] [2] 45.00 [ 15.00 ] [2] 15.00 0.6 ] [2] 15.00 0.6 ] [2]
Method Dickson recorde	r Qstd = 1 / m1 [ (1) ( 75.00 65.00 25.00 25.00 25.00 15.00 0.6 c requirements : (A), r> Qstd (m <sup>3</sup> /mi) = 1/m IC ( corrected ) = I [ Sq	Sqrt ( ( Pav / 760 ) ( 298 / Tav	)))-b1] 37.196	-0.9828 0.9983		Method Dickson recorder Calibration curve req Remark : Q	Qstd = 1 / m1 [ (1           75:00         65:00           85:00         99           45:00         99           15:00         99           15:00         0.6
Method Dickson recorde	r Qstd = 1 / m1 [ (1) ( 75.00 65.00 55.00 25.00 25.00 15.00 0.6 ( c requirements : (A), r> Qstd (m <sup>3</sup> / min ) = 1/m IC ( corrected ) = 1 [ Sq FLOW ( corrected ) = 5	Surt (( Pav / 760 ) (298 / Tav	)))-b1] 37.196	-0.9828 0.9983		Method Dickson recorder Calibration curve req Remark : Q	Qstd = 1 / m1 [ (1 75.00 G 65.00 G 55.00 G 45.00 G 55.00 G 15.00 G 1
Method Dickson recorde	r Qstd = 1 / m1 [ (1) ( 75.00 65.00 55.00 45.00 25.00 25.00 15.00 0.6 (0) c requirements : (A). r> Qstd (m <sup>3</sup> / min) = 1/m IC ( corrected ) = 1 [ Sq FLOW ( corrected ) = 5	Sqrt (( Pav / 760 ) (298 / Tav	)))-b1] 37.196	-0.9828 0.9983		Method Dickson recorder Calibration curve req Remark : Q	Qstd = 1 / m1 [ (1           75:00         65:00           85:00         99           45:00         99           15:00         99           15:00         0.6
Method Dickson recorde Calibration curs Remark : Calibrated by :	r Qstd = 1 / m1 [ (1) ( 75.00 65.00 55.00 45.00 25.00 25.00 15.00 15.00 0.6 ( c requirements : (A). r > Qstd (m <sup>3</sup> / min ) = 1/m IC ( corrected ) = 1 [ Sq FLOW ( corrected ) = 5	Sqrt (( Pav / 760 ) (298 / Tav	)))-b1] 37.196	-0.9828 0.9983 iP range ( 1.1 - 1.7 m3 / min ). 06/08/2024		Method Dickson recorder Calibration curve req Remark : Q It F	Qstd = 1 / m1 [ (1 75.00 G 65.00 G 55.00 G 45.00 G 55.00 G 15.00 G 1

## Calibration Certificate of HVS

### Air Sampler Calibration Curve Plotting & Calculation

Calibration curve re	f. No. :ATSPC-0	1-2024080601 Date	of calibration :	06/08/2024		
Model no :	Sky Tower		pler : I Number :	TE-5170X 4687	1	
Calibration Data			1.1			
Ambient barometric	pressure, Pa =75	3.8 (mmHg) Amb	ient temperature, Ta =	306.95	( deg K )	
Calibration Orifice						
Model = TE-502	25A	Qstd	Slope, m = 2.03976			
Serial No. = 000	6	Ostd	Intercept, b = -0.	01299		
Calibration Due Dat			Corr. coeff., r = 1.			
cunoranon Dae Da		Quid				
Calibration Curve		1				
Plate No.	H <sub>2</sub> O	Qstd (m <sup>3</sup> /min)	I ( chart )	IC ( corrected )		
18	( in ) 7.90	(m / min ) 1.359	50.0	( corrected ) 49.07		
13	6.50	1.233	44.0	43.18		
10	4.40	1.016	38.0	37	7.29	
7	3.30	0.880	32.0	31.40		
5	2.30	0.736	27.0	26	5.50	
Subseauent calcula	tion of sampler flow					
Method		alibration equation	Slope, m	Intercept, b	Corr. coeff.	
Dickson recorder	Qstd = 1 / m1 [ ( I )	( Sqrt ( ( Pav / 760 ) ( 298 / Ta	v)))-b1] 35.390	0.5128	0.9971	
	75.00 r		2			
	65.00					
	LC (60					
	2					
	55.00 45.00					
	55.00					
	55.00 45.00					
	55.00 45.00 35.00 25.00		Qstd (m3/min)			
	55.00 45.00 25.00 15.00	08 1.0 1.2 1.4	1.6 1.8 2.0			
	55.00 45.00 25.00 15.00	08 1.0 1.2 1.4 Qstd / IC Calibratio	1.6 1.8 2.0			
Calibration curve re	55.00 45.00 25.00 15.00 0.6	Qstd / IC Calibratio	1.6 1.8 2.0 n Curve	rSP range ( 1.1 -	1.7 m3 / min	
	55.00 45.00 35.00 25.00 15.00 0.6 quirements : (A). r>	Qstd / IC Calibratio	1.6 1.8 2.0 a Curve std numbers are in the '	FSP range ( 1.1 -	1.7 m3 / min	
Remark :	45.00 45.00 25.00 15.00 0.6 quirements : (A). r> Qstd (m <sup>2</sup> /min) = 1/n	Qstd / IC Calibratio	1.6 1.8 2.0 a Curve std numbers are in the ' (298 / Ta ) ) - b ].	ΓSP range ( 1.1 -	- 1.7 m3 / min	

06/08/2024 Checked by :

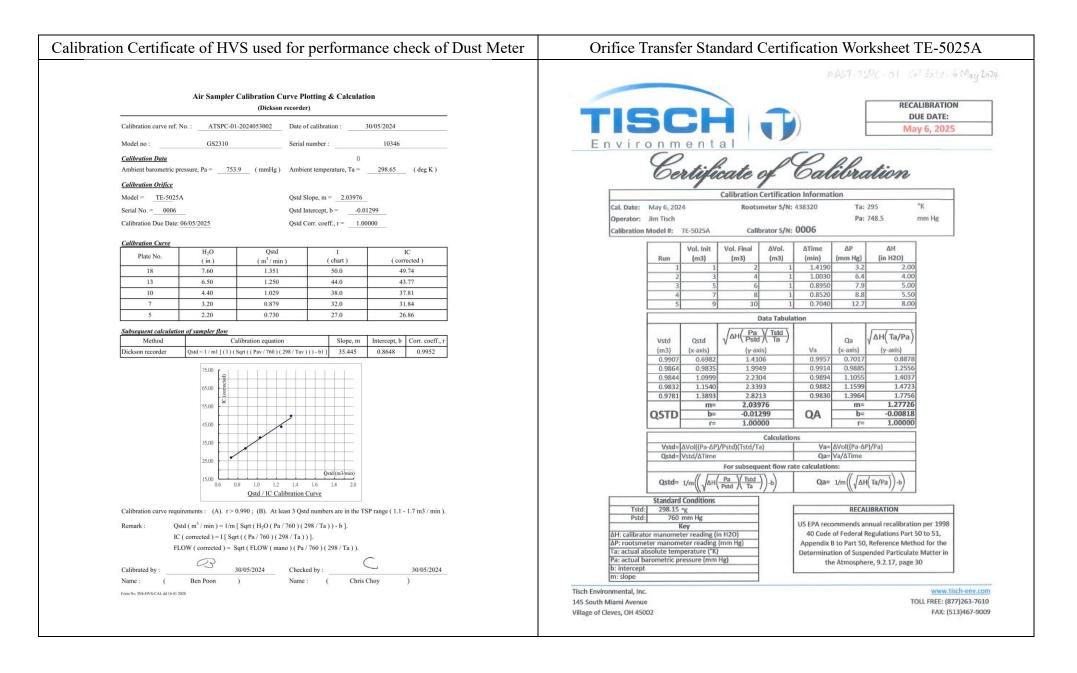
)

C

Name : ( Chris Choy

06/08/2024

)



The SidePak AM510 monitor's easy-to-read display shows your

data as both real-time aerosol mass-concentration and 8-hour

time-weighted average (TWA). With its convenient data logging

The easy-to-use TrakPro Data Analysis Software lets you create

effective graphs and reports.

and long battery life, the AM510 is also ideal for extended sampling.

## Catalogue of Dust Meter (TSI Sidepak AM510)

#### **User Friendly**

- + Small, lightweight and quiet to maximize worker acceptance + Rugged design with secure belt clip + Easy-to-understand user interface with only four keys + Lockable keypad prevents tampering while sampling + User-adjustable sample flow rate + Define, label and store multiple calibration constants + Easy-to-read LCD display
- + Convenient, threaded tripod socket accommodates area sampling

#### Advanced Features

- + Smart Battery Management System provides precise run time information, maximizes battery capacity and speeds charging + Integrated pump allows use of size-selective aerosol
- inlet conditioners + Built-in impactors let you choose "none," 1.0, 2.5 or
- 10-micron cut off
- + 10-mm Dorr-Oliver cyclone for respirable sampling
- + Display shows real-time concentrations (mg/m<sup>3</sup>) and
- "on-the-fly" TWA as you data log
- + Display statistics: max, min and average readings, elapsed time and 8-hour TWA

#### **Quick and Easy Reports**

- + Convenient preprogramming for occupational exposure sampling + Data log for long periods and store multiple tests + Analyze data, print graphs and create reports with TrakPro Data Analysis Software
- + USB port lets you conveniently connect to your computer

#### Power to Spare

+ Long-lasting NiMH rechargeable battery packs eliminate "memory" issues + Choice of rechargeable NiMH smart battery packs or AA-cell pack

#### Model AM510 SidePak Personal Aerosol Monitor

<b>Sensiti</b> Sensor T	
Aerosol Concent	ration Range
	Size Range n Resolution pility
Tempera	ture Coefficient

Range

Flow Rate

User-adiustable, 0.7 to 1.8 liters/min (L/min)

90° light scattering,

670 nm laser diode

0.001 to 20 mg/m<sup>3</sup>

A1 test dust)

0.001 mg/m<sup>3</sup>

(calibrated to respirable

fraction of ISO 12103-1,

0.1 to 10 micrometer (µm)

±0.001 mg/m³ over 24 hours

using 10-second time-constant

Approximately +0.0005 mg/m<sup>3</sup> per

°C (for variations from temperature

at which instrument was last zeroed)

4.2 x 3.7 x 2.8 in. (106 x 92 x 70 mm)

**Temperature Range** Operating Range 32 to 120°F (0 to 50°C) -4 to 140°F (-20 to 60°C)

Storage Range **Operational Humidity** 

0 to 95% RH, non-condensing

Time Constant (LCD display) Jser-adjustable, 1 to 60 seconds Range

**Data Logging** Approx. 31,000 Data Points Logging Interval User-adjustable, 1 second to 1 hour

#### **User-Select Calibration Factors**

Factory Setting 1.0 (non-adjustable) User-defined Settings , with user-defined labels 0.1 to 10.0, user-adjustable

#### Physical External Dimensions

Range

	,
	with 801723, 801724, 801729 or
	801743 battery
	5.1 x 3.7 x 2.8 in. (130 x 92 x 70 mm)
	with 801708, 801722, 801728,
	801735, or 801736 battery
Weight	16 oz (0.46 kg) with 801723, 801724,
	801729 or 801743 battery
	19 oz (0.54 kg) with 801708, 01722,
	801728, 801735, or 801736 battery
Display	2 line x 12 character LCD
Tripod Socket	1/4-20 female thread

#### Power Supply/Charger (P/N 2613210)

100 to 240 VAC, 50 to 60 Hz Input Voltage Range Output Voltage 9 VDC @ 1.0 A

#### Maintenance Factory Clean/Calibrate

Recommended annually User Zero Calibration Before each use User Flow Calibration As needed

#### **Communications Interface**

USB 1.1 Type Connector, Instrument USB Mini-B (socket)

#### Minimum Computer Requirements for TrakPro<sup>™</sup> Data Analysis Software

Universal Serial Bus (USB) v 1.1 or higher Microsoft Windows® XP, or 7 (32-bit or 64-bit) operating systems

#### **Battery Performance**

Communications Port

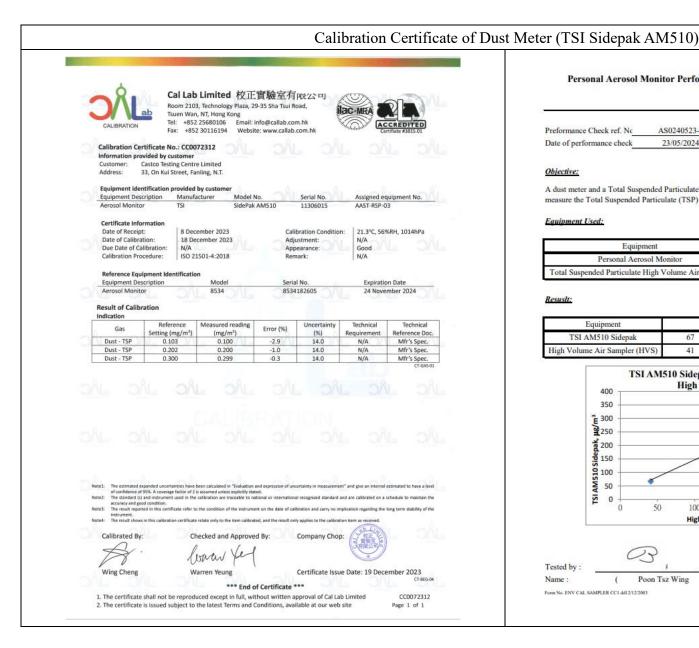
Operating System

Battery Options	Charge Time (hrs)*	Intrinsic Safety Rating	Run Time (hrs @ 1.7 L/min)
1600 mAH NiMH Pack, 4.8 V (P/N 801723)	3.0	No	7.1
1650 mAH NiMH Pack, 4.8V (P/N 801724, 801729 or 801743)	3.5	CSA**	7.5
2700 mAH NiMH Pack, 4.8 V (P/N 801722 or 801728)	5.5	No	12.0
2700 mAH NiMH Pack, 4.8 V (P/N 801735)	5.5	No	12.0
6-Cell AA-size Alkaline Pack*** (P/N 801708 or 801736 with six user-supplied AA cells)	N/A	No	22.5

\*Of a fully depleted battery \*\*All dust plugs and dust gaskets must be installed. \*\*\*Using Energizer AA-size, E91 alkaline batteries.

#### **Battery Level Indicator**

The Smart Battery Management System™ technology utilizes a built-in "gauge" in the SidePak™ battery packs. The gauge monitors battery capacity and calculates run time information by dividing capacity of the battery (mAH) by the instantaneous current consumed by the instrument (mA). This calculation is correct for current operating conditions and can change due to current (mA) consumption or changes in battery capacity.



Personal Aerosol Monitor Performance check with High Volume Sampler

Preformance Check ref. No AS0240523-3 23/05/2024 Report Issue Date Date of performance check 23/05/2024

### Objective:

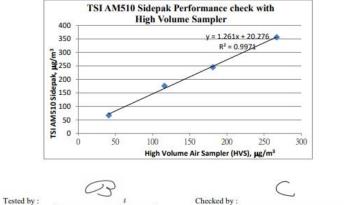
A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

#### Equipment Used:

Equipment	Manufacturer and Model	Serial Number
Personal Aerosol Monitor	TSI AM510 Sidepak	11306015
Total Suspended Particulate High Volume Air Sampler	GS2310	10346

#### Resust:

Equipment	Measurement Result, µg/m3			
TSI AM510 Sidepak	67	176	245	356
High Volume Air Sampler (HVS)	41	116	181	267



#### Name : Poon Tsz Wing Name : Choy Ching Yee ( (

)

#### Form No. ENV CAL SAMPLER CC1 dd12/12/2003

	21			Limited 校正 3, Technology Plaza, 25	Room 2103	ŝ
	CREDITED		info@callab.com te: www.callab.co		Tel: +852	CALIBRATION
Preformance Check ref. N Date of performance chec	bhate #3815.01	Cer Cer	e. www.canab.co			
Date of performance chec				12312	rtificate No.: CC021 vided by customer	
Objective:					Castco Testing Centre 33, On Kui Street, Far	
				2 10		
A dust meter and a Total measure the Total Suspen	uipment No.	Serial No. Assigned eq	io.		ntification provided t cription Manufa	Equipment iden Equipment Desi
include the Fold Suspen		11506009 AAST-RSP-08	AM510	SidePak	r TSI	Aerosol Monito
Equipment Used:					rmation	Certificate Info
	6RH, 1014hPa	ration Condition: 21.3°C, 56% stment: N/A		cember 2023 cember 2023		Date of Receipt Date of Calibra
E		earance: Good	Appe		libration: N/A	Due Date of Ca
Total Suspended Particu		ark: N/A	Rema	1501-4:2018	cedure:   ISO 21	Calibration Pro
r otar Suspended Particu		101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101			ipment Identification	
Resust:	mbare 2024		Serial 1 85341	Model 8534		Equipment Des Aerosol Monito
Equipment					ation	Result of Calibr
TSI AM510 Sidep	Technical	Uncertainty Technical	Error (%)	Measured reading	Reference	Gas
High Volume Air Sampl	Reference Doc. Mfr's Spec.	(%) Requirement 14.0 N/A	9.7	(mg/m <sup>3</sup> ) 0.113	Setting (mg/m <sup>3</sup> ) 0.103	Dust - TSP
	Mfr's Spec. Mfr's Spec.	14.0 N/A 14.0 N/A	-1.3	0.218	0.202	Dust - TSP Dust - TSP
	CT-GAS-01	2100   10/1				
400						
350						
<del>ت</del> و 300						
2250 -						
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- AL					
3250	L ONL					
3250	L <u>ol</u> L					
12250 12200 1200 1200 1200 1200 1200 120						
3250		tainty in measurement" and give an internal e	ed.	s assumed unless explicitly state	95%. A coverage factor of 2 is	of confidence of
12250 12250 12200 1200 1200 1200 1200 12	chedule to maintain the	recognized standard and are calibrated on a so	ed. tional or international r	is assumed unless explicitly stati calibration are traceable to nar	95%. A coverage factor of 2 is and instrument used in the c od condition.	te2: The standard (s) accuracy and gos
12250 12250 12200 1200 1200 1200 1200 12	chedule to maintain the		ed. tional or international r nt on the date of calibri	is assumed unless explicitly state calibration are traceable to nar the condition of the instrument	95%. A coverage factor of 2 is and instrument used in the o id condition. red in this certificate refer to	of confidence of te2: The standard (s) accuracy and gos te3: The result report instrument.
12250 12250 12200 1200 1200 1200 1200 12	chedule to maintain the	recognized standard and any calibrated on a so ration and carry no implication regarding the lo applies to the calibration item as received.	ed. tional or international r nt on the date of calibri ed, and the result only a	s assumed unless explicitly state calibration are traceable to nar the condition of the instrument relate only to the item calibrate	95%. A coverage factor of 2 is and instrument used in the c ad condition. red in this certificate refer to i in this calibration certificate r	of confidence of te2: The standard (s) accuracy and goo te3: The result report instrument, te4: The result shows
12250 12250 12200 1200 1200 1200 1200 12	chedule to maintain the	recognized standard and are calibrated on a so ration and carry no implication regarding the lo	ed. tional or international r nt on the date of calibri ed, and the result only a	is assumed unless explicitly state calibration are traceable to nar the condition of the instrument	95%. A coverage factor of 2 is and instrument used in the c ad condition. red in this certificate refer to i in this calibration certificate r	of confidence of te2: The standard (s) accuracy and gos te3: The result report instrument.
Vint 2250 150 150 150 100 100 100 100 100 0	chedule to maintain the	recognized standard and any calibrated on a so ration and carry no implication regarding the lo applies to the calibration item as received.	ed. tional or international r nt on the date of calibri ed, and the result only a	s assumed unless explicitly state calibration are traceable to nar the condition of the instrument relate only to the item calibrate	95%. A coverage factor of 2 is and instrument used in the c ad condition. red in this certificate refer to i in this calibration certificate r	of confidence of te2: The standard (s) accuracy and goo te3: The result report instrument, te4: The result shows
Tested by :	chedule to maintain the original stability of the	recognized standard and any calibrated on a so ration and carry no implication regarding the lo applies to the calibration item as received.	ed. Sional or international r nt on the date of calibr ed, and the result only a d By: C	s assumed unless explicitly state calibration are traceable to nar the condition of the instrument relate only to the item calibrate	95%. A coverage factor of 2 is and instrument used in the condition. In this cartificate refer to in this calibration certificate refer to in the certificate refer to in this calibration certificate refer to in the certificate refer to in this calibration certificate refer to in this calibration certificate refer to in the certificate	of confidence of te2: The standard (s) accuracy and goo te3: The result report instrument, te4: The result shows

Personal	Aerosol Monitor	Performance	check with	High Volum	e Sampler

Preformance Check ref. Nc AS0240523-2 Report Issue Date 23/05/2024 Date of performance check 23/05/2024

#### Objective:

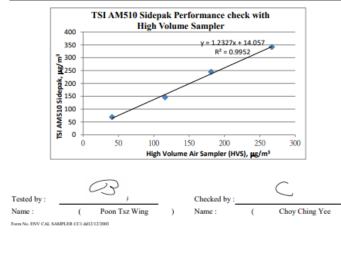
A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

#### Equipment Used:

Equipment	Manufacturer and Model	Serial Number
Personal Aerosol Monitor	TSI AM510 Sidepak	11506009
Total Suspended Particulate High Volume Air Sampler	GS2310	10346

#### Resusit:

Equipment	Measurement Result, µg/m3			
TSI AM510 Sidepak	69	146	245	342
High Volume Air Sampler (HVS)	41	116	181	267



#### Catalogue of Weather Station 7 Cabled Vantage Pro2™ 6152C Vantage Pro2 & Vantage Pro2 Plus<sup>™</sup> Stations 6162C Ultra Violet (UV) Radiation Index (requires UV sensor) Vantage Pro2<sup>™</sup> Range ..... 0 to 16 Index High)) The Vantage Pro2<sup>™</sup> (# 6152C) and Vantage Pro2<sup>™</sup> Plus (# 6162C) cabled weather stations include two components; the Integrated Sensor Suite (ISS) and the console. The ISS contains the sensor interface module (SIM), rain collector, an anemometer, and a passive radiation shield. The Vantage Pro2 console provides the user interface, data display, and calculations. The Vantage Pro2 Plus weather station includes two additional sensors that are optional on the Vantage Pro2 and purchased separately: the UV Sensor and the Solar Radiation Sensor. The console and ISS are Current Graph Data..... Instant Reading and Hourly Average; Daily, Monthly High powered by an AC-power adapter connected to the console. Batteries can be installed in the console to provide a backup power supply. Use WeatherLink<sup>®</sup> to let your weather station interface with a computer, log data, and upload weather information to the Internet. The 6152C and 6162C models rely on passive shielding to reduce solar-radiation induced temperature errors in the outside temperature sensor readings. Wind Wind Chill (Calculated) Integrated Sensor Suite (ISS) the nearest 1°C console and ISS Source..... United States National Weather Service (NWS)/NOAA Equation Used ...... Osczevski (1995) (adopted by US NWS in 2001) Variables Used ..... Avg. Wind Speed Current Display Data ..... Instant Calculation Maximum displayable wind decreases as the length of cable increases. at 140' (42 m) of cable, the maximum wind speed displayed is 135 mph (60 Current Graph Data ...... Instant Calculation; Hourly, Daily and Monthly Low m/s); at 240' (73 m), the maximum wind speed displayed is 100 mph (34 m/s). Historical Graph Data. . . . . . . . . . . . . . . . Hourly, Daily and Monthly Lows Wind Speed Sensor ...... Solid state magnetic sensor Wind Direction Sensor ...... Wind vane with potentiometer Wind Direction Range ..... 1 - 360° (214 cm<sup>2</sup>) collection area Relative Humidity Sensor Type ...... Film capacitor element Accuracy ..... ±3° Update Interval ..... 2.5 to 3 seconds Sensor Inputs Current Graph Data ...... Instant Reading (user adjustable); 10-min. Dominant; Hourly, Daily, Monthly Dominant Historical Graph Data. . . . . . . . . . . . . . . . . Past 6 10-min. Dominants on compass rose only; Hourly, Daily, ISS Dimensions(not including anemometer or bird spikes): Monthly Dominants Wind Speed Vantage Pro2 with Fan-Asprated Rad Shield..... 20.8" x 9.4" x 16.0" (528 mm x 239 mm x 406 mm) other units are converted from mph and rounded to nearest 1 km/hr, 0.1 Vantage Pro2 Plus with Standard Rad Shield ..... 14.3" x 9.7" x 14.5" (363 mm x 246 mm x 368 mm) m/s or 1 knot Range ...... 0 to 200 mph, 0 to 173 knots, 0 to 89 m/s, 0 to 322 km/h Vantage Pro2 Plus with Fan-Aspirated Rad Shield ..... 21.1" x 9.7" x 16.0" (536 mm x 246 mm x 406 mm) Update Interval ..... Instant Reading: 2.5 to 3 seconds, 10-minute Average: 1 minute length of cable from anemometer to ISS increases.) Current Display Data ..... Instant Current Graph Data ...... Instant Reading; 10-minute and Hourly Average; Hourly High; Daily, Davis Instruments 3465 Diablo Ave., Hayward, CA 94545-2778 USA (510) 732-9229 - FAX (510) 670-0589 - sales@davisInstruments.com - www.davisinstruments.com Monthly and Yearly High with Direction of High DS6152C, 6162C Rev. W 12/7/18 Highs with Direction of Highs

CALIBRATION CALIB	1024	Room Tsuer	Lab Limited 校正實驗 2103, Technology Plaza, 29-35 Si Wan, NT, Hong Kong +852 25680106 Email: info@d	ha Tsui Road,	
Fax: +852 30116194 Website: www.callab.com.hk		Fax:	+852 30116194 Website: ww	w.callab.com.hk	
Calibration Certificate No.: CC0862407 Information provided by customer		Result of Calibration Temperature			
Customer: Castco Testing Centre Limited Address: 33, On Kui Street, Fanling, N.T.		Reference reading (°C)	Reading (°C)	Error (°C)	Uncertainty (°C)
		15.0	16 20	1 0	2
Equipment identification provided by customer		20.0	20	0	2
Equipment Description Manufacturer Model No. Serial No.	Assigned equipment No.:	30.0	30	0	2
Weather Station Davis Vantage PRO 2 BD181101023	AAST-WS-04	Relative Humidity			
Certificate Information Date of Receipt: 18 July 2024 Calibration Condition:	24.4°C, 54%RH, 998hPa	Reference reading (%RH)	Reading (%RH)	Error (%RH)	Uncertainty (%RH)
Date of Calibration: 24 July 2024 Calibration Condition: Date of Calibration: 24 July 2024 Adjustment:	24.4°C, 54%RH, 9980Pa	40.0	39	-1	2
Due Date of Calibration: N/A Appearance:	Good	50.0	50	0	2
Calibration Procedure: JJF 1183-2007, JJF 1076-2020, Remark: SOP-116	N/A	70.0	71	1	2
		Barometric Pressure			
Reference Equipment Identification		Reference reading (hPa) 950.0	Reading (hPa) 950.3	Error (hPa) 0.3	Uncertainty (hPa) 2.8
Equipment Description Model Serial No.	Expiration Date	1000.0	999.7	-0.3	2.8
Platinum resistance thermometer         KPPRHT-A-1         KCI I-1095, KCI P-1095           Humidity sensor         KPPRHT-A-1         KCI I-1095, KCI P-1095           Hot Wire Anenometer         9535         T95351316004	9 November 2024 9 November 2024 11 August 2024	1050.0	1049.4	-0.6	2.8
		Wind Speed			1
		Reference reading (m/s)	Measured reading (m/s)	Error (%)	Uncertainty (%)
		0.0	0.0	N/A -5.0	3.6
		5.0	4.8	-2.0	3.6
		8.0	7.9	-1.3	3.6
		Wind Direction			
		Reference reading	Measured reading	Error	Uncertainty
		0°	0°	0°	5°
		45°	45°	0°	5°
		90° 135°	90° 135°	0°	5°
		1350	135°	0°	5°
		225°	225°	0°	5
		270°	270°	0°	5°
		315°	315°	0°	5°
Note1:       The estimated expanded uncertainties have been calculated in "Evaluation and expression of uncertainty in measurement" and confidence of 95%. A coverage factor of 2 is assumed unless seplicitly stated.         Note1:       The standard (3) and instrument used in the calibration are traceable to national or international recognized standard and are accuracy and good condition.         Note1:       The standard (3) and instrument used in the calibration of the instrument on the date of calibration and carry no implicat instrument.         Note1:       The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item calibrated and are company Chop:         Approved By:       Company Chop:	e calibrated on a schedule to maintain the ion regarding the long term stability of the		*** End of Certi	ficate ***	
WWW 4-M Warren Yeung Certificate Issue Da	ate: 29 July 2024				

# Appendix F – Weather information

## General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)	Mean Relative Humidity (%)
01/09/2024	28.1	33.0	Trace	82
02/09/2024	28.4	34.2	Trace	78
03/09/2024	25.5	33.5	35.5	78
04/09/2024	26.5	32.5	0.6	75
05/09/2024	26.2	33.4	21.5	71
06/09/2024	25.9	28.8	84.1	90
07/09/2024	27.9	30.9	5.8	88
08/09/2024	27.3	30.1	37.8	91
09/09/2024	26.3	30.0	13	85
10/09/2024	26.8	33.3	0	77
11/09/2024	28.2	34.3	0	76
12/09/2024	27.7	32.2	0	77
13/09/2024	28.2	34.5	0.1	73
14/09/2024	26.7	33.5	57.2	76
15/09/2024	27.4	31.7	2.4	76
16/09/2024	25.8	30.6	27.4	81
17/09/2024	26.3	35.7	16	74
18/09/2024	26.8	32.8	Trace	73
19/09/2024	28.7	33.6	0	75
20/09/2024	27.4	32.6	4.6	79
21/09/2024	25.7	28.8	72.9	90
22/09/2024	24.4	30.1	32.1	88
23/09/2024	23.4	28.0	24.9	90
24/09/2024	25.2	28.2	75	91
25/09/2024	26.9	31.4	5.4	83
26/09/2024	27.4	31.6	0	78
27/09/2024	28.1	32.4	0	76
28/09/2024	27.5	32.1	1.3	80
29/09/2024	26.6	31.8	3.3	76
30/09/2024	27.9	33.3	0	71

NOTE1: The above weather information was obtained from manned weather station of Hong Kong Observatory. NOTE2: Trace means rainfall less than 0.12 mm

https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2024&m=9

Date	Time	Wind Speed (m/s)	Wind Direction												
01/09/2024	0:00	1.3	90	02/09/2024	0:00	0.9	90	03/09/2024	0:00	0.9	247.5	04/09/2024	0:00	0.4	22.5
01/09/2024	1:00	2.2	112.5	02/09/2024	1:00	0.9	157.5	03/09/2024	1:00	0.4	270	04/09/2024	1:00	0.4	90
01/09/2024	2:00	0.4	112.5	02/09/2024	2:00	0.4	315	03/09/2024	2:00	0.4	270	04/09/2024	2:00	0.4	112.5
01/09/2024	3:00	0.4	112.5	02/09/2024	3:00	0.4	292.5	03/09/2024	3:00	0.9	225	04/09/2024	3:00	0.9	112.5
01/09/2024	4:00	0.4	90	02/09/2024	4:00	0.4	135	03/09/2024	4:00	0.4	157.5	04/09/2024	4:00	0.9	112.5
01/09/2024	5:00	0.9	90	02/09/2024	5:00	0.4	45	03/09/2024	5:00	0.4	90	04/09/2024	5:00	0.9	90
01/09/2024	6:00	0.4	112.5	02/09/2024	6:00	0.9	67.5	03/09/2024	6:00	0.9	135	04/09/2024	6:00	0.9	90
01/09/2024	7:00	0.4	112.5	02/09/2024	7:00	0.9	157.5	03/09/2024	7:00	0.9	135	04/09/2024	7:00	0.9	67.5
01/09/2024	8:00	0.4	112.5	02/09/2024	8:00	0.9	135	03/09/2024	8:00	0.9	112.5	04/09/2024	8:00	0.9	45
01/09/2024	9:00	0.9	90	02/09/2024	9:00	0.9	112.5	03/09/2024	9:00	0.4	135	04/09/2024	9:00	0.9	22.5
01/09/2024	10:00	1.3	90	02/09/2024	10:00	0.9	112.5	03/09/2024	10:00	0.9	180	04/09/2024	10:00	0.9	67.5
01/09/2024	11:00	1.8	67.5	02/09/2024	11:00	0.9	135	03/09/2024	11:00	0.4	90	04/09/2024	11:00	0.9	292.5
01/09/2024	12:00	1.3	45	02/09/2024	12:00	0.9	112.5	03/09/2024	12:00	0.4	135	04/09/2024	12:00	0.9	112.5
01/09/2024	13:00	1.3	90	02/09/2024	13:00	0.4	247.5	03/09/2024	13:00	0.9	135	04/09/2024	13:00	0.4	135
01/09/2024	14:00	1.8	67.5	02/09/2024	14:00	1.3	202.5	03/09/2024	14:00	0.9	112.5	04/09/2024	14:00	0.9	112.5
01/09/2024	15:00	1.3	292.5	02/09/2024	15:00	1.3	67.5	03/09/2024	15:00	0.9	135	04/09/2024	15:00	1.8	135
01/09/2024	16:00	0.9	112.5	02/09/2024	16:00	0.4	292.5	03/09/2024	16:00	1.8	180	04/09/2024	16:00	0.9	112.5
01/09/2024	17:00	0.9	135	02/09/2024	17:00	0.4	112.5	03/09/2024	17:00	0.9	135	04/09/2024	17:00	2.2	90
01/09/2024	18:00	0.9	112.5	02/09/2024	18:00	0.9	135	03/09/2024	18:00	2.2	112.5	04/09/2024	18:00	2.2	135
01/09/2024	19:00	1.3	135	02/09/2024	19:00	0.4	112.5	03/09/2024	19:00	2.2	337.5	04/09/2024	19:00	2.2	90
01/09/2024	20:00	0.4	112.5	02/09/2024	20:00	0.4	135	03/09/2024	20:00	2.2	135	04/09/2024	20:00	2.2	135
01/09/2024	21:00	0.9	90	02/09/2024	21:00	0.4	112.5	03/09/2024	21:00	2.2	247.5	04/09/2024	21:00	2.2	90
01/09/2024	22:00	0.4	135	02/09/2024	22:00	1.3	90	03/09/2024	22:00	2.2	90	04/09/2024	22:00	1.8	112.5
01/09/2024	23:00	0.4	90	02/09/2024	23:00	1.8	135	03/09/2024	23:00	1.8	112.5	04/09/2024	23:00	0.4	180

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

Date	Time	Wind Speed (m/s)	Wind Direction												
05/09/2024	0:00	3.1	135	06/09/2024	0:00	5.8	90	07/09/2024	0:00	0.9	112.5	08/09/2024	0:00	0.9	112.5
05/09/2024	1:00	1.8	90	06/09/2024	1:00	5.8	135	07/09/2024	1:00	1.3	135	08/09/2024	1:00	0.4	112.5
05/09/2024	2:00	1.8	112.5	06/09/2024	2:00	5.8	90	07/09/2024	2:00	0.9	202.5	08/09/2024	2:00	0.9	112.5
05/09/2024	3:00	1.3	112.5	06/09/2024	3:00	5.8	112.5	07/09/2024	3:00	0.9	22.5	08/09/2024	3:00	1.8	112.5
05/09/2024	4:00	1.3	45	06/09/2024	4:00	4.4	112.5	07/09/2024	4:00	0.9	135	08/09/2024	4:00	0.1	135
05/09/2024	5:00	1.3	135	06/09/2024	5:00	5.7	22.5	07/09/2024	5:00	0.9	135	08/09/2024	5:00	1.8	337.5
05/09/2024	6:00	0.4	67.5	06/09/2024	6:00	4.1	270	07/09/2024	6:00	0.9	202.5	08/09/2024	6:00	0.4	135
05/09/2024	7:00	1.8	135	06/09/2024	7:00	3.6	0	07/09/2024	7:00	0.4	202.5	08/09/2024	7:00	0.4	135
05/09/2024	8:00	1.8	67.5	06/09/2024	8:00	3.6	270	07/09/2024	8:00	0	202.5	08/09/2024	8:00	0.4	135
05/09/2024	9:00	1.8	67.5	06/09/2024	9:00	3.6	337.5	07/09/2024	9:00	0.4	112.5	08/09/2024	9:00	0.9	270
05/09/2024	10:00	1.8	90	06/09/2024	10:00	2.8	90	07/09/2024	10:00	0	247.5	08/09/2024	10:00	1.8	337.5
05/09/2024	11:00	1.3	67.5	06/09/2024	11:00	1.3	90	07/09/2024	11:00	0.4	247.5	08/09/2024	11:00	0.4	247.5
05/09/2024	12:00	1.3	112.5	06/09/2024	12:00	1.3	225	07/09/2024	12:00	0.4	135	08/09/2024	12:00	0.4	225
05/09/2024	13:00	3.1	270	06/09/2024	13:00	1.3	112.5	07/09/2024	13:00	1.8	67.5	08/09/2024	13:00	0.9	270
05/09/2024	14:00	2.7	90	06/09/2024	14:00	1.3	270	07/09/2024	14:00	0.9	67.5	08/09/2024	14:00	1.3	247.5
05/09/2024	15:00	2.2	90	06/09/2024	15:00	0.9	270	07/09/2024	15:00	0.9	135	08/09/2024	15:00	1.3	135
05/09/2024	16:00	3.3	90	06/09/2024	16:00	0.4	22.5	07/09/2024	16:00	0.4	135	08/09/2024	16:00	1.3	67.5
05/09/2024	17:00	3.6	90	06/09/2024	17:00	0.9	202.5	07/09/2024	17:00	0.4	112.5	08/09/2024	17:00	0.4	247.5
05/09/2024	18:00	5.8	90	06/09/2024	18:00	0.4	270	07/09/2024	18:00	0.4	135	08/09/2024	18:00	0.4	225
05/09/2024	19:00	3.1	90	06/09/2024	19:00	0.9	90	07/09/2024	19:00	0.4	112.5	08/09/2024	19:00	0.9	270
05/09/2024	20:00	4	90	06/09/2024	20:00	1.3	67.5	07/09/2024	20:00	0.4	135	08/09/2024	20:00	1.3	247.5
05/09/2024	21:00	5.8	90	06/09/2024	21:00	0.9	67.5	07/09/2024	21:00	0.9	90	08/09/2024	21:00	1.3	135
05/09/2024	22:00	5.8	67.5	06/09/2024	22:00	1.3	67.5	07/09/2024	22:00	0.9	90	08/09/2024	22:00	0.9	67.5
05/09/2024	23:00	6.6	247.5	06/09/2024	23:00	0.9	225	07/09/2024	23:00	0.9	67.5	08/09/2024	23:00	0.9	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

Date	Time	Wind Speed (m/s)	Wind Direction												
09/09/2024	0:00	0.9	90	10/09/2024	0:00	0.9	112.5	11/09/2024	0:00	0.4	202.5	12/09/2024	0:00	0.4	180
09/09/2024	1:00	0.9	112.5	10/09/2024	1:00	1.3	270	11/09/2024	1:00	0.4	247.5	12/09/2024	1:00	0.4	180
09/09/2024	2:00	0.4	135	10/09/2024	2:00	1.3	45	11/09/2024	2:00	0.4	247.5	12/09/2024	2:00	0.9	180
09/09/2024	3:00	0.4	45	10/09/2024	3:00	0.9	22.5	11/09/2024	3:00	0.4	247.5	12/09/2024	3:00	1.3	180
09/09/2024	4:00	1.3	112.5	10/09/2024	4:00	1.3	45	11/09/2024	4:00	0.4	90	12/09/2024	4:00	0.4	22.5
09/09/2024	5:00	0.9	90	10/09/2024	5:00	0.9	22.5	11/09/2024	5:00	0.9	90	12/09/2024	5:00	0.4	22.5
09/09/2024	6:00	1.3	22.5	10/09/2024	6:00	1.3	22.5	11/09/2024	6:00	0.9	22.5	12/09/2024	6:00	0.9	45
09/09/2024	7:00	1.3	90	10/09/2024	7:00	1.8	22.5	11/09/2024	7:00	0.9	90	12/09/2024	7:00	0.9	45
09/09/2024	8:00	1.8	45	10/09/2024	8:00	0.4	22.5	11/09/2024	8:00	0.9	45	12/09/2024	8:00	0.4	67.5
09/09/2024	9:00	1.8	90	10/09/2024	9:00	0.9	22.5	11/09/2024	9:00	1.3	90	12/09/2024	9:00	0.9	135
09/09/2024	10:00	0.9	90	10/09/2024	10:00	1.8	22.5	11/09/2024	10:00	1.3	90	12/09/2024	10:00	0.9	135
09/09/2024	11:00	1.3	112.5	10/09/2024	11:00	1.8	22.5	11/09/2024	11:00	1.3	22.5	12/09/2024	11:00	0.9	135
09/09/2024	12:00	0.9	135	10/09/2024	12:00	1.8	22.5	11/09/2024	12:00	0.9	22.5	12/09/2024	12:00	0.9	112.5
09/09/2024	13:00	0.9	202.5	10/09/2024	13:00	0.9	45	11/09/2024	13:00	0.9	22.5	12/09/2024	13:00	1.3	45
09/09/2024	14:00	0.9	247.5	10/09/2024	14:00	1.3	90	11/09/2024	14:00	0.4	135	12/09/2024	14:00	1.3	180
09/09/2024	15:00	0.9	247.5	10/09/2024	15:00	1.3	90	11/09/2024	15:00	0.9	135	12/09/2024	15:00	1.3	180
09/09/2024	16:00	1.3	247.5	10/09/2024	16:00	1.3	22.5	11/09/2024	16:00	1.3	135	12/09/2024	16:00	0.9	180
09/09/2024	17:00	1.8	135	10/09/2024	17:00	0.4	315	11/09/2024	17:00	1.3	157.5	12/09/2024	17:00	0.9	180
09/09/2024	18:00	0.4	112.5	10/09/2024	18:00	0.9	45	11/09/2024	18:00	0.9	135	12/09/2024	18:00	0.9	22.5
09/09/2024	19:00	1.3	112.5	10/09/2024	19:00	0.9	22.5	11/09/2024	19:00	1.3	112.5	12/09/2024	19:00	1.3	22.5
09/09/2024	20:00	1.3	135	10/09/2024	20:00	0.9	292.5	11/09/2024	20:00	0.4	270	12/09/2024	20:00	1.3	45
09/09/2024	21:00	1.3	45	10/09/2024	21:00	0.9	67.5	11/09/2024	21:00	0.9	270	12/09/2024	21:00	1.3	45
09/09/2024	22:00	1.8	337.5	10/09/2024	22:00	0.9	112.5	11/09/2024	22:00	0.9	270	12/09/2024	22:00	0.9	67.5
09/09/2024	23:00	0.9	247.5	10/09/2024	23:00	0.4	225	11/09/2024	23:00	1.3	270	12/09/2024	23:00	0.9	135

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

Date	Time	Wind Speed (m/s)	Wind Direction												
13/09/2024	0:00	0.9	90	14/09/2024	0:00	0.4	247.5	15/09/2024	0:00	0.4	45	16/09/2024	0:00	0.9	135
13/09/2024	1:00	0.9	90	14/09/2024	1:00	0.9	90	15/09/2024	1:00	0.9	90	16/09/2024	1:00	0.9	135
13/09/2024	2:00	1.3	90	14/09/2024	2:00	0.9	112.5	15/09/2024	2:00	1.3	90	16/09/2024	2:00	0.9	112.5
13/09/2024	3:00	0.4	90	14/09/2024	3:00	0.4	112.5	15/09/2024	3:00	0.4	90	16/09/2024	3:00	0.9	45
13/09/2024	4:00	0.9	90	14/09/2024	4:00	1.3	135	15/09/2024	4:00	0.9	90	16/09/2024	4:00	1.3	45
13/09/2024	5:00	0.4	135	14/09/2024	5:00	1.3	135	15/09/2024	5:00	0.4	135	16/09/2024	5:00	0.9	337.5
13/09/2024	6:00	1.3	315	14/09/2024	6:00	0.9	135	15/09/2024	6:00	1.3	315	16/09/2024	6:00	0.4	90
13/09/2024	7:00	1.3	112.5	14/09/2024	7:00	0.9	112.5	15/09/2024	7:00	1.3	112.5	16/09/2024	7:00	0.4	337.5
13/09/2024	8:00	0.4	337.5	14/09/2024	8:00	1.3	67.5	15/09/2024	8:00	0.4	337.5	16/09/2024	8:00	0.4	22.5
13/09/2024	9:00	0.9	270	14/09/2024	9:00	1.3	135	15/09/2024	9:00	0.9	270	16/09/2024	9:00	0.9	270
13/09/2024	10:00	0.9	315	14/09/2024	10:00	1.3	22.5	15/09/2024	10:00	0.9	315	16/09/2024	10:00	1.3	45
13/09/2024	11:00	0.9	45	14/09/2024	11:00	1.3	135	15/09/2024	11:00	0.9	45	16/09/2024	11:00	1.3	45
13/09/2024	12:00	0.9	337.5	14/09/2024	12:00	1.3	135	15/09/2024	12:00	0.9	135	16/09/2024	12:00	0.4	22.5
13/09/2024	13:00	0.9	270	14/09/2024	13:00	0.9	112.5	15/09/2024	13:00	0.9	112.5	16/09/2024	13:00	0.4	292.5
13/09/2024	14:00	1.8	45	14/09/2024	14:00	0.4	112.5	15/09/2024	14:00	0.9	337.5	16/09/2024	14:00	1.3	22.5
13/09/2024	15:00	1.3	45	14/09/2024	15:00	0.4	225	15/09/2024	15:00	1.3	22.5	16/09/2024	15:00	0.9	22.5
13/09/2024	16:00	1.8	112.5	14/09/2024	16:00	0.4	225	15/09/2024	16:00	1.3	315	16/09/2024	16:00	1.8	315
13/09/2024	17:00	0.9	90	14/09/2024	17:00	0.4	45	15/09/2024	17:00	0.4	112.5	16/09/2024	17:00	1.8	90
13/09/2024	18:00	1.3	112.5	14/09/2024	18:00	0.4	337.5	15/09/2024	18:00	0.4	67.5	16/09/2024	18:00	1.3	135
13/09/2024	19:00	1.3	90	14/09/2024	19:00	0.4	67.5	15/09/2024	19:00	1.3	292.5	16/09/2024	19:00	1.8	90
13/09/2024	20:00	1.8	90	14/09/2024	20:00	0.4	45	15/09/2024	20:00	0.9	247.5	16/09/2024	20:00	1.8	135
13/09/2024	21:00	1.3	90	14/09/2024	21:00	0.4	225	15/09/2024	21:00	1.8	247.5	16/09/2024	21:00	0.9	90
13/09/2024	22:00	1.8	90	14/09/2024	22:00	0.4	225	15/09/2024	22:00	1.3	67.5	16/09/2024	22:00	1.3	112.5
13/09/2024	23:00	0.9	112.5	14/09/2024	23:00	0.4	112.5	15/09/2024	23:00	0.9	112.5	16/09/2024	23:00	1.3	135

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

Date	Time	Wind Speed (m/s)	Wind Direction												
17/09/2024	0:00	1.3	112.5	18/09/2024	0:00	0.9	45	19/09/2024	0:00	0.4	90	20/09/2024	0:00	1.3	67.5
17/09/2024	1:00	0.9	45	18/09/2024	1:00	0.9	337.5	19/09/2024	1:00	0.9	202.5	20/09/2024	1:00	0.4	45
17/09/2024	2:00	1.3	90	18/09/2024	2:00	1.3	112.5	19/09/2024	2:00	0.4	202.5	20/09/2024	2:00	1.3	112.5
17/09/2024	3:00	0.9	45	18/09/2024	3:00	1.3	112.5	19/09/2024	3:00	0.4	247.5	20/09/2024	3:00	0.9	45
17/09/2024	4:00	1.3	225	18/09/2024	4:00	2.2	135	19/09/2024	4:00	0.9	225	20/09/2024	4:00	1.3	90
17/09/2024	5:00	1.3	157.5	18/09/2024	5:00	1.3	135	19/09/2024	5:00	0.4	157.5	20/09/2024	5:00	0.9	45
17/09/2024	6:00	0.9	202.5	18/09/2024	6:00	1.8	112.5	19/09/2024	6:00	0.9	202.5	20/09/2024	6:00	0.4	135
17/09/2024	7:00	0.4	202.5	18/09/2024	7:00	1.3	90	19/09/2024	7:00	1.8	202.5	20/09/2024	7:00	0.9	112.5
17/09/2024	8:00	0.4	247.5	18/09/2024	8:00	1.3	22.5	19/09/2024	8:00	0.1	112.5	20/09/2024	8:00	0.4	22.5
17/09/2024	9:00	0.9	225	18/09/2024	9:00	1.3	135	19/09/2024	9:00	1.8	112.5	20/09/2024	9:00	1.3	45
17/09/2024	10:00	0.4	157.5	18/09/2024	10:00	1.3	135	19/09/2024	10:00	0.4	90	20/09/2024	10:00	1.8	67.5
17/09/2024	11:00	0.9	202.5	18/09/2024	11:00	1.3	90	19/09/2024	11:00	0.4	67.5	20/09/2024	11:00	0.9	67.5
17/09/2024	12:00	1.8	202.5	18/09/2024	12:00	0.9	45	19/09/2024	12:00	0.4	67.5	20/09/2024	12:00	0.9	90
17/09/2024	13:00	0.1	112.5	18/09/2024	13:00	0.4	22.5	19/09/2024	13:00	0.4	67.5	20/09/2024	13:00	0.4	90
17/09/2024	14:00	1.8	112.5	18/09/2024	14:00	0.9	45	19/09/2024	14:00	0.4	90	20/09/2024	14:00	0.4	67.5
17/09/2024	15:00	0.4	90	18/09/2024	15:00	0.9	135	19/09/2024	15:00	0.4	157.5	20/09/2024	15:00	0.4	112.5
17/09/2024	16:00	0.4	67.5	18/09/2024	16:00	0.4	315	19/09/2024	16:00	0.4	202.5	20/09/2024	16:00	0.4	90
17/09/2024	17:00	0.4	67.5	18/09/2024	17:00	0.9	112.5	19/09/2024	17:00	0.4	202.5	20/09/2024	17:00	0.4	90
17/09/2024	18:00	0.4	67.5	18/09/2024	18:00	0.9	112.5	19/09/2024	18:00	0.4	112.5	20/09/2024	18:00	0.4	90
17/09/2024	19:00	0.4	135	18/09/2024	19:00	0.4	90	19/09/2024	19:00	0.4	112.5	20/09/2024	19:00	0.4	67.5
17/09/2024	20:00	1.3	67.5	18/09/2024	20:00	0.4	135	19/09/2024	20:00	0.4	90	20/09/2024	20:00	0.9	90
17/09/2024	21:00	1.3	90	18/09/2024	21:00	0.9	90	19/09/2024	21:00	0.9	67.5	20/09/2024	21:00	0.9	135
17/09/2024	22:00	0.4	112.5	18/09/2024	22:00	0.9	45	19/09/2024	22:00	1.3	67.5	20/09/2024	22:00	0.4	135
17/09/2024	23:00	0.4	270	18/09/2024	23:00	0.4	247.5	19/09/2024	23:00	0.9	67.5	20/09/2024	23:00	0.9	22.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

Date	Time	Wind Speed (m/s)	Wind Direction												
21/09/2024	0:00	0.9	90	22/09/2024	0:00	0.4	45	23/09/2024	0:00	0.9	67.5	24/09/2024	0:00	0.9	112.5
21/09/2024	1:00	0.4	90	22/09/2024	1:00	1.3	135	23/09/2024	1:00	0.9	90	24/09/2024	1:00	0.9	67.5
21/09/2024	2:00	0.4	112.5	22/09/2024	2:00	1.3	315	23/09/2024	2:00	0.4	22.5	24/09/2024	2:00	1.3	90
21/09/2024	3:00	0.9	202.5	22/09/2024	3:00	1.3	112.5	23/09/2024	3:00	0.4	135	24/09/2024	3:00	0.9	135
21/09/2024	4:00	0.9	45	22/09/2024	4:00	0.9	112.5	23/09/2024	4:00	0.9	135	24/09/2024	4:00	0.9	135
21/09/2024	5:00	0.4	337.5	22/09/2024	5:00	0.4	90	23/09/2024	5:00	0.9	90	24/09/2024	5:00	0.9	112.5
21/09/2024	6:00	0.4	135	22/09/2024	6:00	0.4	135	23/09/2024	6:00	0.9	45	24/09/2024	6:00	0.9	112.5
21/09/2024	7:00	0.9	112.5	22/09/2024	7:00	0.9	90	23/09/2024	7:00	1.3	22.5	24/09/2024	7:00	1.3	247.5
21/09/2024	8:00	0.9	22.5	22/09/2024	8:00	0.4	45	23/09/2024	8:00	0.4	45	24/09/2024	8:00	1.3	225
21/09/2024	9:00	0.4	45	22/09/2024	9:00	0.9	247.5	23/09/2024	9:00	0.4	135	24/09/2024	9:00	1.3	157.5
21/09/2024	10:00	1.3	315	22/09/2024	10:00	1.8	202.5	23/09/2024	10:00	0.4	315	24/09/2024	10:00	0.9	202.5
21/09/2024	11:00	1.3	45	22/09/2024	11:00	0.1	112.5	23/09/2024	11:00	0.9	112.5	24/09/2024	11:00	0.4	202.5
21/09/2024	12:00	1.3	45	22/09/2024	12:00	1.8	112.5	23/09/2024	12:00	0.9	67.5	24/09/2024	12:00	0.4	247.5
21/09/2024	13:00	0.4	337.5	22/09/2024	13:00	0.4	90	23/09/2024	13:00	0.4	112.5	24/09/2024	13:00	0.9	225
21/09/2024	14:00	0.9	157.5	22/09/2024	14:00	0.4	67.5	23/09/2024	14:00	0.9	202.5	24/09/2024	14:00	0.4	157.5
21/09/2024	15:00	0.1	202.5	22/09/2024	15:00	0.4	67.5	23/09/2024	15:00	0.4	202.5	24/09/2024	15:00	0.9	202.5
21/09/2024	16:00	1.8	202.5	22/09/2024	16:00	0.4	67.5	23/09/2024	16:00	0.4	247.5	24/09/2024	16:00	1.8	202.5
21/09/2024	17:00	0.4	202.5	22/09/2024	17:00	0.4	135	23/09/2024	17:00	0.9	225	24/09/2024	17:00	0.1	112.5
21/09/2024	18:00	0.9	202.5	22/09/2024	18:00	0.9	67.5	23/09/2024	18:00	0.4	157.5	24/09/2024	18:00	1.8	112.5
21/09/2024	19:00	0.9	135	22/09/2024	19:00	0.9	90	23/09/2024	19:00	0.9	202.5	24/09/2024	19:00	0.4	90
21/09/2024	20:00	0.9	135	22/09/2024	20:00	0.4	112.5	23/09/2024	20:00	1.8	202.5	24/09/2024	20:00	0.4	67.5
21/09/2024	21:00	1.3	112.5	22/09/2024	21:00	0.9	112.5	23/09/2024	21:00	0.1	112.5	24/09/2024	21:00	0.4	67.5
21/09/2024	22:00	0.4	90	22/09/2024	22:00	1.3	90	23/09/2024	22:00	0.9	112.5	24/09/2024	22:00	0.4	67.5
21/09/2024	23:00	0.9	22.5	22/09/2024	23:00	0.4	67.5	23/09/2024	23:00	0.4	225	24/09/2024	23:00	0.4	45

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

Date	Time	Wind Speed (m/s)	Wind Direction												
25/09/2024	0:00	1.3	45	26/09/2024	0:00	2.2	225	27/09/2024	0:00	0.9	22.5	28/09/2024	0:00	1.8	135
25/09/2024	1:00	0.9	45	26/09/2024	1:00	2.7	225	27/09/2024	1:00	1.3	22.5	28/09/2024	1:00	1.8	270
25/09/2024	2:00	1.3	45	26/09/2024	2:00	1.8	292.5	27/09/2024	2:00	0.9	180	28/09/2024	2:00	0.9	247.5
25/09/2024	3:00	0.9	45	26/09/2024	3:00	2.2	247.5	27/09/2024	3:00	0.9	90	28/09/2024	3:00	0.9	247.5
25/09/2024	4:00	0.9	45	26/09/2024	4:00	1.3	270	27/09/2024	4:00	0.4	135	28/09/2024	4:00	0.9	247.5
25/09/2024	5:00	0.9	270	26/09/2024	5:00	1.3	337.5	27/09/2024	5:00	0.4	202.5	28/09/2024	5:00	0	90
25/09/2024	6:00	0.4	90	26/09/2024	6:00	1.3	22.5	27/09/2024	6:00	0.9	112.5	28/09/2024	6:00	0.4	67.5
25/09/2024	7:00	0.9	112.5	26/09/2024	7:00	2.2	112.5	27/09/2024	7:00	0.9	135	28/09/2024	7:00	0.9	67.5
25/09/2024	8:00	0.9	90	26/09/2024	8:00	2.2	67.5	27/09/2024	8:00	1.3	112.5	28/09/2024	8:00	0.9	90
25/09/2024	9:00	1.3	112.5	26/09/2024	9:00	2.7	67.5	27/09/2024	9:00	1.3	112.5	28/09/2024	9:00	0.4	90
25/09/2024	10:00	1.3	67.5	26/09/2024	10:00	1.8	90	27/09/2024	10:00	1.3	90	28/09/2024	10:00	0.9	67.5
25/09/2024	11:00	1.3	112.5	26/09/2024	11:00	2.2	90	27/09/2024	11:00	1.8	22.5	28/09/2024	11:00	0.9	112.5
25/09/2024	12:00	0.9	67.5	26/09/2024	12:00	1.3	67.5	27/09/2024	12:00	0.4	90	28/09/2024	12:00	1.3	90
25/09/2024	13:00	1.3	157.5	26/09/2024	13:00	1.3	112.5	27/09/2024	13:00	1.3	112.5	28/09/2024	13:00	1.3	112.5
25/09/2024	14:00	1.3	202.5	26/09/2024	14:00	1.3	112.5	27/09/2024	14:00	1.3	225	28/09/2024	14:00	1.3	90
25/09/2024	15:00	0.9	90	26/09/2024	15:00	1.3	337.5	27/09/2024	15:00	0.9	270	28/09/2024	15:00	0.9	90
25/09/2024	16:00	1.3	112.5	26/09/2024	16:00	0.9	67.5	27/09/2024	16:00	0.9	22.5	28/09/2024	16:00	1.3	112.5
25/09/2024	17:00	1.3	67.5	26/09/2024	17:00	0.9	67.5	27/09/2024	17:00	0.9	22.5	28/09/2024	17:00	0.9	90
25/09/2024	18:00	1.3	112.5	26/09/2024	18:00	0.9	90	27/09/2024	18:00	0.9	22.5	28/09/2024	18:00	0.9	135
25/09/2024	19:00	0.9	67.5	26/09/2024	19:00	0.9	90	27/09/2024	19:00	0.9	22.5	28/09/2024	19:00	0.4	180
25/09/2024	20:00	1.3	157.5	26/09/2024	20:00	0.9	67.5	27/09/2024	20:00	0.9	90	28/09/2024	20:00	0.4	180
25/09/2024	21:00	1.3	202.5	26/09/2024	21:00	0.9	112.5	27/09/2024	21:00	0.9	225	28/09/2024	21:00	0.4	157.5
25/09/2024	22:00	0.9	225	26/09/2024	22:00	0.9	135	27/09/2024	22:00	0.4	225	28/09/2024	22:00	0.9	157.5
25/09/2024	23:00	0.9	157.5	26/09/2024	23:00	0.9	22.5	27/09/2024	23:00	0.4	225	28/09/2024	23:00	0.9	157.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
29/09/2024	0:00	1.8	22.5	30/09/2024	0:00	0.4	247.5								
29/09/2024	1:00	1.3	112.5	30/09/2024	1:00	1.3	90								
29/09/2024	2:00	2.2	67.5	30/09/2024	2:00	2.7	225								
29/09/2024	3:00	2.2	112.5	30/09/2024	3:00	1.8	292.5								
29/09/2024	4:00	2.7	337.5	30/09/2024	4:00	2.2	247.5								
29/09/2024	5:00	1.8	337.5	30/09/2024	5:00	1.3	270								
29/09/2024	6:00	1.3	22.5	30/09/2024	6:00	1.3	270								
29/09/2024	7:00	1.3	112.5	30/09/2024	7:00	1.3	135								
29/09/2024	8:00	0.9	67.5	30/09/2024	8:00	2.2	315								
29/09/2024	9:00	1.3	67.5	30/09/2024	9:00	2.2	315								
29/09/2024	10:00	0.9	90	30/09/2024	10:00	2.7	45								
29/09/2024	11:00	0.4	90	30/09/2024	11:00	1.8	247.5								
29/09/2024	12:00	0.4	67.5	30/09/2024	12:00	2.2	270								
29/09/2024	13:00	0.9	112.5	30/09/2024	13:00	1.3	270								
29/09/2024	14:00	0.9	90	30/09/2024	14:00	1.3	135								
29/09/2024	15:00	1.3	112.5	30/09/2024	15:00	1.3	112.5								
29/09/2024	16:00	0.9	90	30/09/2024	16:00	0.9	112.5								
29/09/2024	17:00	1.3	112.5	30/09/2024	17:00	1.3	112.5								
29/09/2024	18:00	0.4	67.5	30/09/2024	18:00	1.3	135								
29/09/2024	19:00	0.9	112.5	30/09/2024	19:00	1.3	157.5								
29/09/2024	20:00	0.9	67.5	30/09/2024	20:00	0.4	90								
29/09/2024	21:00	1.3	202.5	30/09/2024	21:00	0.4	22.5								
29/09/2024	22:00	1.3	135	30/09/2024	22:00	0.4	112.5								
29/09/2024	23:00	0.4	112.5	30/09/2024	23:00	0.9	337.5								

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

Appendix G – 24-hr TSP monitoring results and graphical presentation

Start Date	Weather	Air Temp.	Atmospheric Pressure	Filter w	eight (g)	Particulate	Elapse	e Time	Sampling Time	Flow (cf		Av. Flow	Total vol.	Conc. $(y,z/y,z^3)$
		(°C)	(hPa)	Initial	Final	weight (g)	Initial	Final	(min)	Initial	Final	(m <sup>3</sup> /min)	(m <sup>3</sup> )	$(\mu g/m^3)$
02/09/2024	Sunny	33.9	1007.6	18.1279	18.2452	0.1173	2024/9/2 13:25	2024/9/3 13:25	1440	50	50	1.35	1940	60
07/09/2024	Cloudy	30.6	1007.1	18.4017	18.4574	0.0557	2024/9/7 9:10	2024/9/8 9:10	1440	50	50	1.35	1950	29
13/09/2024	Sunny	34.0	1005.1	14.1563	14.2829	0.1266	2024/9/13 13:15	2024/9/14 13:15	1440	52	52	1.40	2013	63
19/09/2024	Sunny	32.6	1003.2	18.4741	18.5231	0.0490	2024/9/19 9:25	2024/9/20 9:25	1440	50	50	1.35	1940	25
25/09/2024	Cloudy	32.2	1011.2	15.4676	15.5638	0.0962	2024/9/25 13:10	2024/9/26 13:10	1440	50	50	1.35	1949	49
30/09/2024	Sunny	31.9	1005.5	14.2073	14.3063	0.0990	2024/9/30 9:30	2024/10/1 9:30	1440	52	52	1.40	2021	49
												Maxin	num	63
												Minim	num	25
												Avera	age	46
												Action 1	Level	175

Limit Level

260

Location: AM2(A) – Ng Wah Catholic Secondary School

Start Date	Weather	Air Temp.	Atmospheric Pressure	Filter we	eight (g)	Particulate	Elapse	e Time	Sampling Time	Flow (cfi		Av. Flow	Total vol.	Conc.
		(°C)	(hPa)	Initial	Final	weight (g)	Initial	Final	(min)	Initial	Final	(m <sup>3</sup> /min)	(m <sup>3</sup> )	$(\mu g/m^3)$
02/09/2024	Sunny	33.9	1007.6	14.4538	14.5941	0.1403	2024/9/2 9:24	2024/9/3 9:24	1440	48	48	1.32	1898	74
07/09/2024	Cloudy	30.6	1007.1	15.7422	15.8313	0.0891	2024/9/7 13:22	2024/9/8 13:22	1440	46	46	1.27	1828	49
13/09/2024	Sunny	34.0	1005.1	14.2681	14.3289	0.0608	2024/9/13 13:36	2024/9/14 13:36	1440	46	46	1.26	1816	33
19/09/2024	Sunny	32.6	1003.2	15.6093	15.6753	0.0660	2024/9/19 9:33	2024/9/20 9:33	1440	48	48	1.32	1898	35
25/09/2024	Cloudy	32.2	1011.2	15.4822	15.5912	0.1090	2024/9/25 13:28	2024/9/26 13:28	1440	46	46	1.27	1827	60
30/09/2024	Sunny	31.9	1005.5	15.4845	15.6421	0.1576	2024/9/30 10:46	2024/10/1 10:46	1440	46	46	1.27	1822	86
												Maxii	num	86
												Minir	num	33

56

172

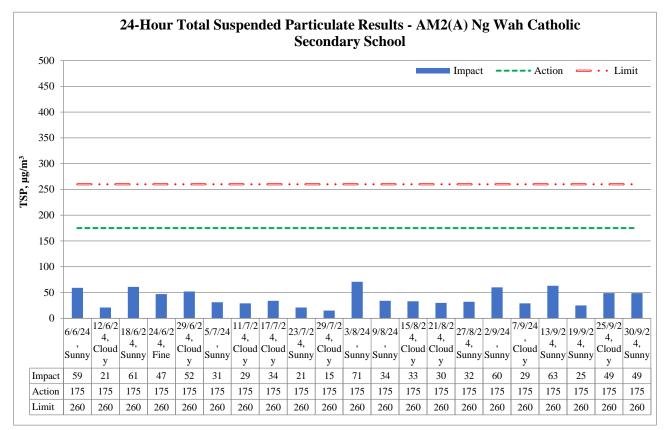
260

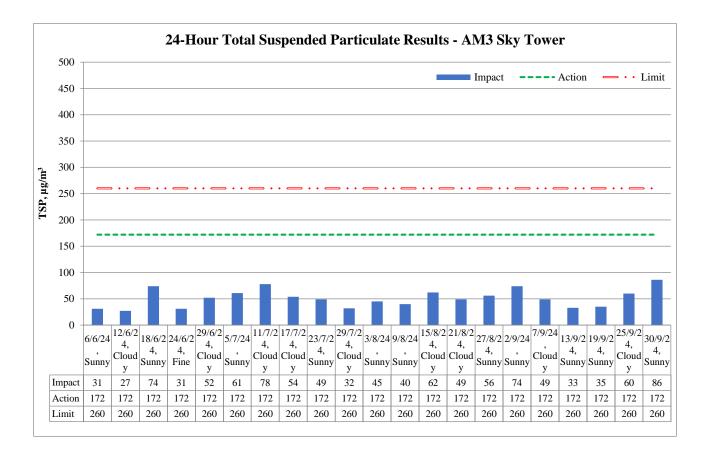
Average

Action Level Limit Level

Location: AM3 – Sky Tower

#### 24-hour average TSP





		Reportin	ng Period	
Major Construction Activities	Jun 2024	Jul 2024	Aug 2024	Sep 2024
Floor screeding works at deck level of LW-02			✓	✓
Construction of hoarding at CDR				✓
Construction of stormwater drainage manhole and pipes at LW-02			✓	
Construction works for DCS			✓	✓
Construction works for DCS 2A5B, 2A10, 2A5A and 2A4	$\checkmark$			
Construction works for DCS Chamber 2A5A, 2A4 and pipe laying		✓		
Construction of LW02 structural steel roof	$\checkmark$	✓	✓	✓
Construction of Parapet for S14	$\checkmark$	✓	$\checkmark$	✓
Construction of bridge deck of S14 and portal for K73 Bridge	$\checkmark$			
Construction of bridge deck of S14		$\checkmark$	$\checkmark$	$\checkmark$
Construction of headwall at Subway SB01 Retrieval Shaft		$\checkmark$	$\checkmark$	$\checkmark$
Construction of Lift Shaft for Subway SB-01		$\checkmark$		
Glazing installation for KS10 Lift	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Louvre installation for KS10 lift	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Dismantle of temporary steel decking across Kai Tak River at LW02	$\checkmark$	$\checkmark$		
Drainage construction and backfilling works for retaining wall of S14	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Drainage construction works at PS2 and PS4	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Installation of glass bracket of Lift at LW02 and glass panels	$\checkmark$	$\checkmark$		
Installation of floor tiles inside Subway SB-01			$\checkmark$	$\checkmark$
Installation of glazing plane on diagrid frame at LW-02				$\checkmark$
Construction of Public Lighting at LW02	$\checkmark$	$\checkmark$	$\checkmark$	
SPR Retrieval Shaft Headwall RC construction	$\checkmark$			
RC Construction for Kerb of Elevated Walkway LW-02	$\checkmark$	✓		
Renovation works for Subway KS10 Lift and Staircase	$\checkmark$	✓	✓	✓
Renovation works for existing subways KS10	$\checkmark$	✓	✓	✓
Road and Drain Construction works for Road L16, Commercial Street and Road D1	$\checkmark$	~	~	~
Road and drain construction works for Olympic Avenue	$\checkmark$	✓		

		Reportin	g Period	
Factors might affect the monitoring results	Jun 2024	Jul 2024	Aug 2024	Sep 2024
Non-project related construction activities in the adjacent construction sites were observed.	~	~	✓	~

Appendix H – 1-hr TSP monitoring results and graphical presentation

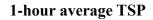
	Date	Measure	mer	nt Period	1-hr TSP concentration, µg/m <sup>3</sup>	Weather		
Location:		13:00	-	14:00	75			
AM2(A) –	02/09/2024	14:00	-	15:00	65	Sunny		
Ng Wah Catholic		15:00	-	16:00	69			
Secondary School		9:00	-	10:00	35			
Secondary Sentor	07/09/2024	10:00	-	11:00	32	Cloudy		
		11:00	-	12:00	30			
		9:00	-	10:00	63			
	13/09/2024	10:00	-	11:00	63	Sunny		
		11:00	-	12:00	62			
		13:00	-	14:00	29			
	19/09/2024	14:00	-	15:00	34	Sunny		
		15:00	-	16:00	31			
		9:00	-	10:00	54			
	25/09/2024	10:00	-	11:00	47	Cloudy		
		11:00	-	12:00	52			
		13:00	-	14:00	60			
	30/09/2024	14:00	-	15:00	57	Sunny		
		15:00	-	16:00	59			
	N	laximum			75			
	Ν	linimum			29			
		Average			51			
	Ac	tion Level			302			
	Li	mit Level			500			

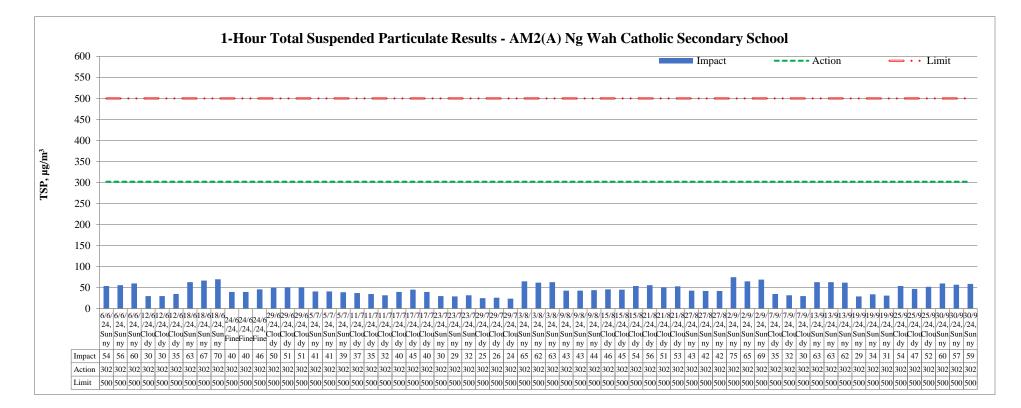
Date	Measure	eme	nt Period	1-hr TSP concentration, $\mu g/m^3$	Weathe			
	9:00	-	10:00	66				
02/09/2024	10:00	-	11:00	69	Sunny			
	11:00	-	12:00	68				
	13:00	-	14:00	43				
07/09/2024	14:00	-	15:00	43	Cloudy			
	15:00	-	16:00	46				
	13:00	-	14:00	40				
13/09/2024	14:00	-	15:00	44	Sunny			
	15:00	-	16:00	44				
	9:00	-	10:00	31				
19/09/2024	10:00	-	11:00	34	Sunny			
	11:00	-	12:00	35				
	13:00	-	14:00	60				
25/09/2024	14:00	-	15:00	68	Cloudy			
	15:00	-	16:00	65				
	9:00	-	10:00	88				
30/09/2024	10:00	-	11:00	88	Sunny			
	11:00	-	12:00	92				
	Maximum			92				
]	Minimum			31				
	Average			57				
	ction Leve			301				
L	imit Leve	1		500				

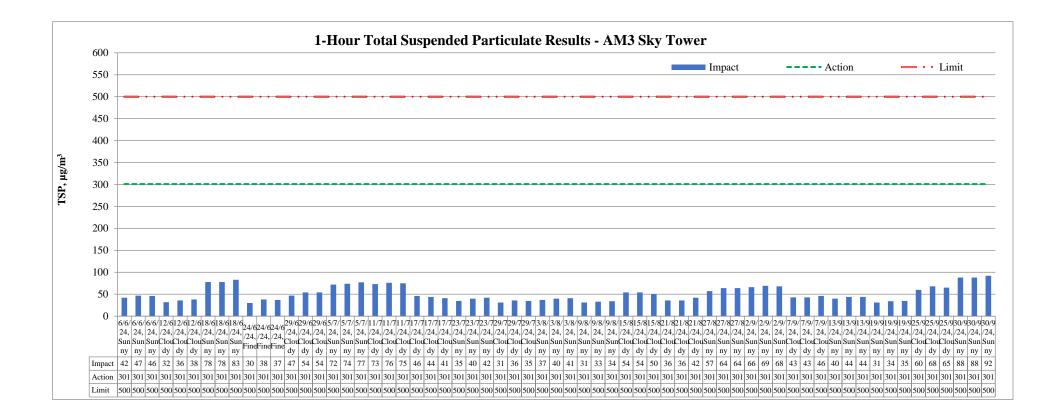
## Location:

AM3 -

**Sky Tower** 







		Reportin	g Period	
Major Construction Activities	Jun 2024	Jul 2024	Aug 2024	Sep 2024
Floor screeding works at deck level of LW-02			✓	√
Construction of hoarding at CDR				✓
Construction of stormwater drainage manhole and pipes at LW-02			✓	
Construction works for DCS			$\checkmark$	~
Construction works for DCS 2A5B, 2A10, 2A5A and 2A4	$\checkmark$			
Construction works for DCS Chamber 2A5A, 2A4 and pipe laying		$\checkmark$		
Construction of LW02 structural steel roof	$\checkmark$	$\checkmark$	$\checkmark$	~
Construction of Parapet for S14	$\checkmark$	$\checkmark$	$\checkmark$	~
Construction of bridge deck of S14 and portal for K73 Bridge	$\checkmark$			
Construction of bridge deck of S14		$\checkmark$	$\checkmark$	~
Construction of headwall at Subway SB01 Retrieval Shaft		$\checkmark$	$\checkmark$	~
Construction of Lift Shaft for Subway SB-01		$\checkmark$		
Glazing installation for KS10 Lift	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Louvre installation for KS10 lift	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Dismantle of temporary steel decking across Kai Tak River at LW02	$\checkmark$	$\checkmark$		
Drainage construction and backfilling works for retaining wall of S14	$\checkmark$	$\checkmark$	$\checkmark$	~
Drainage construction works at PS2 and PS4	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Installation of glass bracket of Lift at LW02 and glass panels	$\checkmark$	$\checkmark$		
Installation of floor tiles inside Subway SB-01			$\checkmark$	~
Installation of glazing plane on diagrid frame at LW-02				~
Construction of Public Lighting at LW02	$\checkmark$	$\checkmark$	$\checkmark$	
SPR Retrieval Shaft Headwall RC construction	$\checkmark$			
RC Construction for Kerb of Elevated Walkway LW-02	$\checkmark$	$\checkmark$		
Renovation works for Subway KS10 Lift and Staircase	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Renovation works for existing subways KS10	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Road and Drain Construction works for Road L16, Commercial Street and Road D1	$\checkmark$	~	~	$\checkmark$
Road and drain construction works for Olympic Avenue	$\checkmark$	✓		

	Reporting Period						
Factors might affect the monitoring results	Jun 2024	Jul 2024	Aug 2024	Sep 2024			
Non-project related construction activities in the adjacent construction sites were observed.	$\checkmark$	~	~	~			

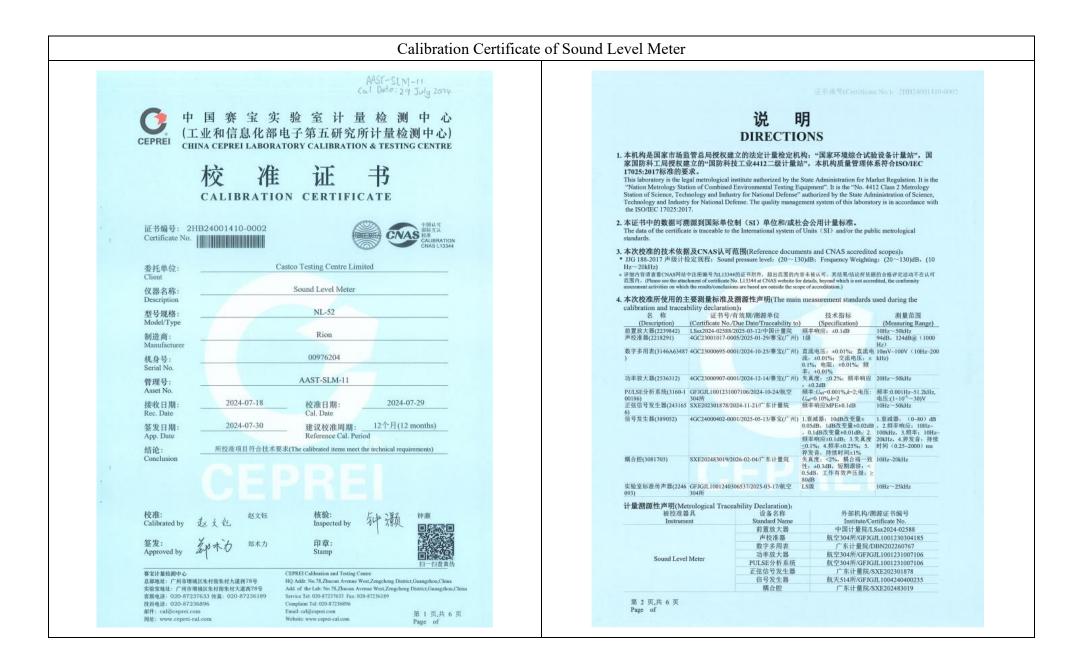
Appendix I – Event and Action Plan for air quality

		Action	
Event	ЕТ	IEC Supervisor / ER	Contractor
Action Level being exceeded by one sampling	<ol> <li>Identify source and investigate the causes of exceedance;</li> <li>Inform Contractor, IEC and Supervisor /ER;</li> <li>Repeat measurement to confirm finding.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method.</li> <li>I. Notify Contractor.</li> </ol>	<ol> <li>Rectify any unacceptable practice;</li> <li>Amend working methods if appropriate.</li> </ol>
Action Level being exceeded by two or more consecutive sampling	<ol> <li>Identify source and investigate the causes of exceedance;</li> <li>Inform Contractor, IEC</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Check Contractor's Contractor;</li> <li>Notify Contractor;</li> </ol>	<ol> <li>Discuss with ET and IEC on proper remedial actions;</li> <li>Submit proposals for</li> </ol>
	<ul> <li>and Supervisor /ER;</li> <li>3. Increase monitoring frequency to daily;</li> <li>4. Discusse with UEC and</li> </ul>	<ol> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>In consolidation with the IEC, agree with the Contractor on the remedial</li> </ol>	remedial actions to Supervisor /ER and IEC within three working day
	<ul> <li>4. Discuss with IEC and Contractor on remedial actions required;</li> <li>5. Assess the effectiveness of</li> </ul>	<ul> <li>Advise the Supervisor /ER on the effectiveness of the proposed remedial measures.</li> <li>Measures to be implemented;</li> <li>Supervise implementation of remedial measures;</li> </ul>	of notification; 3. Implement the agreed proposals; 4. Amend proposal if
	<ul><li>Contractor's remedial actions;</li><li>6. If exceedance continues,</li></ul>	5. Conduct meeting with ET and IEC if exceedance continues.	appropriate.
	<ul><li>arrange meeting with IEC and Supervisor /ER;</li><li>7. If exceedance stops, cease additional monitoring.</li></ul>		
Limit Level being exceeded by one sampling	investigate the causes of exceedance;	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's</li> <li>Confirm receipt of notification of exceedance in writing;</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Discuss with ET and IEC</li> </ol>
	<ol> <li>Inform Contractor, IEC, Supervisor /ER, and EPD;</li> <li>Repeat measurement to</li> </ol>	<ul> <li>working method;</li> <li>Discuss possible remedial measures with ET and</li> <li>Notify Contractor;</li> <li>In consolidation with the IEC, agree with the</li> </ul>	on proper remedial actions; 3. Submit proposal for
	<ol> <li>Kepeat inteastrement to confirm finding;</li> <li>Assess effectiveness of</li> </ol>	InclusionE TandIEC,agreewiththeContractor;Contractor on the remedial4.Advise the Supervisor /ERmeasurestobe	remedial actions to Supervisor /ER and IEC

E (		Act	tion	
Event	ЕТ	IEC	Supervisor / ER	Contractor
	Contractor's remedial actions and keep EPD, IEC and Supervisor /ER informed of the results.	on the effectiveness of the proposed remedial measures.	<ul> <li>implemented;</li> <li>4. Supervise implementation of remedial measures;</li> <li>5. Conduct meeting with ET and IEC if exceedance continues.</li> </ul>	<ul><li>within three working days of notification;</li><li>4. Implement the agreed proposals.</li></ul>
Limit Level being exceeded by two or more consecutive sampling	<ol> <li>Notify IEC, Supervisor /ER, Contractor and EPD;</li> <li>Repeat measurement to confirm findings;</li> <li>Carry out analysis of Contractor's working procedures to identify source and investigate the causes of exceedance;</li> <li>Increase monitoring frequency to daily;</li> <li>Arrange meeting with IEC, Supervisor /ER and Contractor to discuss the remedial action to be taken;</li> <li>Assess effectiveness of Contractor's remedial actions and keep EPD, IEC and Supervisor /ER informed of the results;</li> </ol>	<ul> <li>submitted by ET;</li> <li>Check Contractor's working method;</li> </ul>	<ul> <li>notification of exceedance in writing;</li> <li>2. Notify Contractor;</li> <li>3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>4. Supervise implementation of remedial measures;</li> </ul>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Discuss with ET and IEC on proper remedial actions;</li> <li>Submit proposal for remedial actions to Supervisor /ER and IEC within three working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Submit further remedial actions if problem still not under control;</li> <li>Stop the relevant portion of works as instructed by the Supervisor /ER until the exceedance is abated.</li> </ol>
	7. If exceedance stop, cease additional monitoring.			

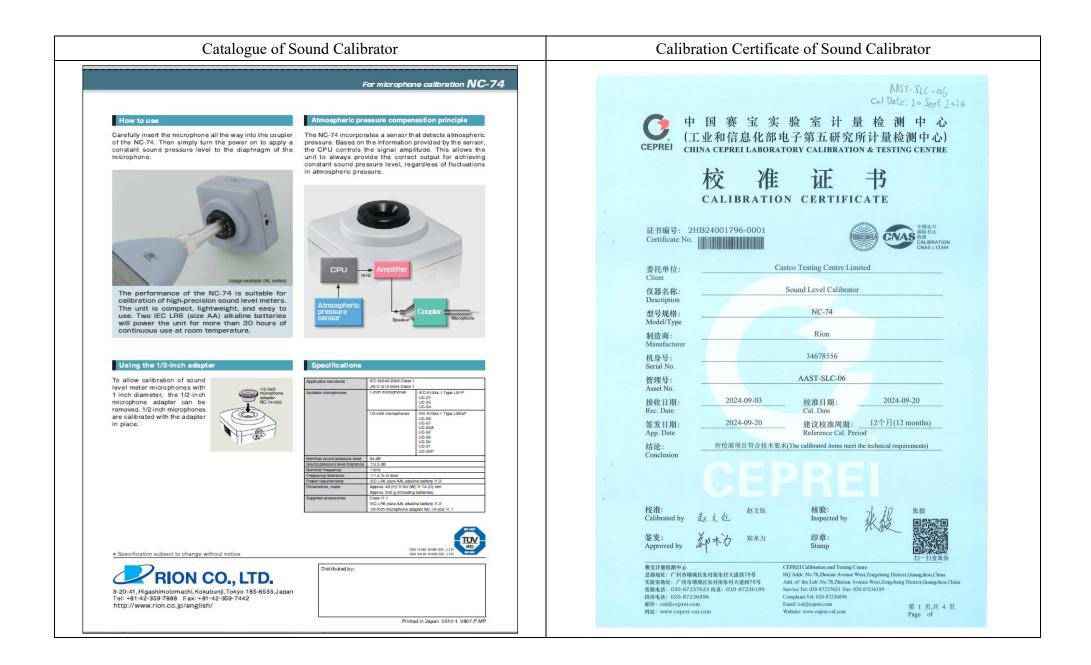
Appendix J – Calibration certificates, catalogue of noise monitoring equipment

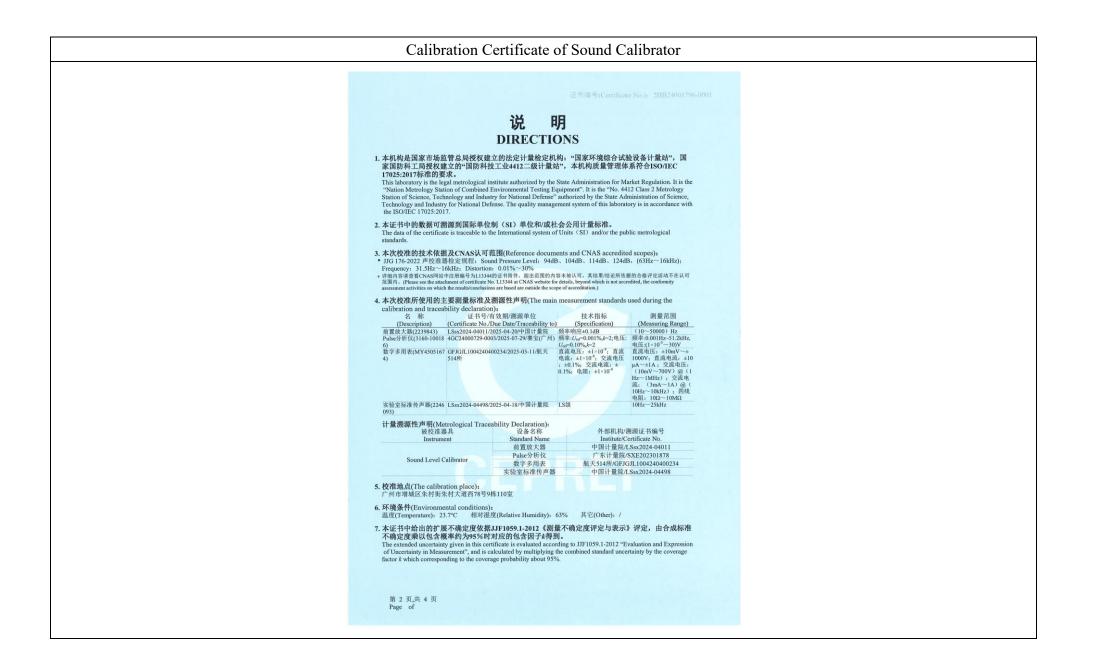
Spec	ifications	Å	Â						
			[420]	Data i			Allows viewing of stored data		
		NL-52 🔯	NL-42 🔯	Setup	o memoi	У	Up to five setup configurations ca Start up via file settings previou	an be saved in internal memory, for later re sly stored on SD card possible	call
Applicable	e standards	IEC 61672-1: 2002 Class 1 ANSI S1.4-1983 Type 1	TEC 61672-1: 2002 Class 2 ANSI S1.4-1983 Type 2		form reco				
		ANSI S1.4A-1985 Type 1	ANSI S1.4A-1985 Type 2		le format impling fre		Uncompressed waveform WAV Select 48 kHz, 24 kHz or 12 kH		
		ANSI S1.43-1997 Type 1 JIS C 1509-1: 2005 Class 1	ANSI S1.43-1997 Type 2 IS C 1509-1: 2005 Class 2		ata lengt		Select 24 bit or 16 bit	£	_
			18. C, Low Voltage Directive 2006/95/EC),	Outputs	S DC ou	tput put voltage	Output DC signals using a frequent 2.5 V, 25 mV / dB at bar graph of	cy weighting characteristic selected by process	sing.
Measurer	ment functions	WEEE Directives, Chinese RoHS Simultaneous measurement of the			AC ou			ency weighting characteristic selected by	_
	none ranocono	weighting and frequency weighting				put voltage	processing or by A, C, Z-weight 1 V (rms values) at bar graph di		_
Proces	ssing (main ch)	Instantaneous sound pressure leve Equivalent continuous sound press			Comp		Turns on when the open-collect	or output exceeds the set value	_
		Sound exposure level: LE		USB	output	*2		current 60 mA, allowable dissipation 300 m computer and recognized as a removable	
		Maximum sound pressure level: Lr Minimum sound pressure level: Lm		122 12			Allows USB to be controlled via c		JISK
			9.9 %, 0.1-increment steps, max. 5 values)			nmunication us output*2	Allows for RS-232C communica	ation via use of a dedicated cable	_
	ssing (sub ch)	Instantaneous sound pressure leve In addition to main processing item	el: Lp ns, one of the following can be selected	Ту	pe of In	stantaneous value	Lp		_
- Isranio		for simultaneous processing:		dat	ita P utput inte	rocessed value	Leq, Lmax, Lmin, Lpeak 100 ms		$\neg$
		C-weighted equivalent continuous C-weighted peak sound level: Lcpe		Print o	out		Printing of measurement results		_
		Z-weighted peak sound level: Lzpe			er require	ements (23 °C)		ne or rechargeable batteries) or external power sup Ni-MH secondary battery: 25 h	ply
		I-time-weighted equivalent continuou Maximum I-time-weighted equivalent		Ва	attery inte	(23 C)	At the maximum * Depends on	the setting	
		The power average of the maximum I			C adapte		NC-98C (NC-34 for previous mo	odels cannot be used)	
		The frequency weighting for the additional p of the sub-channel, so when the sub-channel	rocessing synchronizes with the frequency weighting			ower voltage nsumption	5 to 7 ∨ (rated voltage: 6 ∨) Approximately 90 mA (normal o	peration, rated voltage)	_
			ted, the additional processing LCeq and LCpeak	Ambie		emperature	-10 to +50 °C		_
Measuring	a timo	(Lzpeak) are selectable.		condit Dustp		lumidity iter-resistant	10 to 90 % RH (non-condensing IP code: IP54 (except for micro		$\neg$
Microphone		10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h, UC-59	UC-52		rmance*		See precautions regarding wate	erproofing nm(D), approx. 400 g (with batteries)	_
Magazinar	Sensitivity level ment range	-27 dB A-weighting: 25 dB to 138 dB	-33 dB		nsions, lied acc			-10 x 1, Windscreen fall prevention rubber x	1,
Measurer	nentrange	C-weighting: 33 dB to 138 dB					Hand strap x 1, LR6 (AA) alkaline preinstalled model only)	batteries x 4, SD card 512 MB×1 (NX-42EX	
		Z-weighting: 38 dB to 138 dB	10 45 4 4 4 40				preinstalled model only)		
		C-weighting peak sound level: 55 e Z-weighting peak sound level: 60 d		Opti	ions				_
Inherent	A-weighting	17 dB or less	19 dB or less	Exten	nded fur		duct name m (Inst.on 512 MB SD card)	Product number NX-42EX	-
noise	C-weighting Z-weighting	25 dB or less 30 dB or less	27 dB or less 32 dB or less				ram*2 (Inst.on 2 GB SD card)	NX-42WR	
Frequenc	y range	20 Hz to 20 kHz	20 Hz to 8 kHz				vsis program*2 (Inst.on 512 MB SD card) Inst.on 512 MB SD card)	NX-42RT NX-42FT	_
Frequenc Time weig	y weighting ghting	A, C, and Z F (Fast) and S (Slow)		Data r	manage	ment software	for environmental measurement	AS-60	
Level ran	ge	Single range (Linearity range: 113	dB)	(Includ	des the c	ctave and 1/3	for environmental measurement octave data management software)	AS-60RT	
	oh display range max g of bar graph display	Max. 110 dB (20 to 130 dB) Set the upper/ lower limit in 10 dB	increments.	Data i (Inclu	manage udes the	vibration leve	for environmental measurement el data management software)	AS-60∨M	
	ection circuit	Digital processing method			eform ar Card 512	alysis softwa	ire	CAT-WAVE SD-512M	_
Sampling	CYCIO	20.8 µs (Lp, Leq, LE, Lmax, Lmin, Lpe 100 ms (LN)	ak : sampling frequency: 48 KHZ)	SD C	Card 2 G	В		SD-2G	_
Calibratio	n		performed according to IEC and JIS standards,		idapter ( ery pack	100 ∨ to 240	V)	NC-98C BP-21	
Correction	n functions	Windscreen correction:	stic calibration performed with the NC-74.			extension cab	bles	EC-04 (from 2 m)	_
			509-1 standards when the windscreen is installed.		-Pin out	out code output cable		CC-24 CC-42C	
		Diffuse sound field correction: Correction of frequency character	istics in order to comply with standards	Printe	er	Supur cubic		DPU-414	_
		(ANSI S1.4) in diffuse sound field.			er cable	ial 1/O cable		CC-42P CC-42R	_
Delay tim	e.		ring a specified time (OFF, 1, 3, 5 or 10 s) sed or when a user-set trigger is exceeded.	USB	cable			-	_
Back eras	se function	When the PAUSE key is pressed to	pause measurement, the preceding		nd calibra	ator vindscreen		NC-74 WS-15	$\neg$
Display		(user selectable) 0, 1, 3 or 5 s data Backlit semitransparent color TFT	are excluded from processing. LCD display WQVGA (400 x 240 dots)			mounting ada	ipter	WS-15 WS-15006	_
		* LCD with touch panel (Capacitiv	e Touch Panel)			on windscree neter tripod	n	WS-16 ST-80	_
Store	anual		I sEEBar graph update frequency: 100 ms pred manually in single address increments.			neter tripod /indscreen tri	pod	ST-80 ST-81	
BE	Number of data	Internal memory: max. 1000 sets	, , , , , , , , , , , , , , , , , , , ,				products. *2 NX-42EX required (sold s ful dust and water splashing from	separately). *3 NX-42WR required (sold separa any direction.	itely).
	Ito *2	SD Card: depends on the capacity Instantaneous values (Lp mode) ar	of the SD Card * 1 nd processed values (Leg mode) are	Preca	autions	regarding wa	aterproofing		
		stored continuously and automatic					bber bottom cover and the battery ust proof rating, internal packing rep	compartment lid are firmly closed. placement is required every two years (at co	ost).
	Lp sampling cycle Leg sampling cycle		1						
		Max. 1000 h (depends on the capa						ISO 14001	
Window	s is a tradema	rk of Microsoft Corporation.						ISO 14001 RION CO., LTD.	
		to change without notice.						ISO 9001 RION CO., LTD.	<u> </u>
Distribu	ited by:								
				1				<b>O., LTD.</b>	
							tp://www.rion.co.jp/eng		
							motomachi, Kokubu 7888 Fax: +81-42-	nji, Tokyo 185-8533, Japa 359-7442	an
				rer.	-01-	42-359-	1000 Fax. +01-42-	JJJ-144Z	

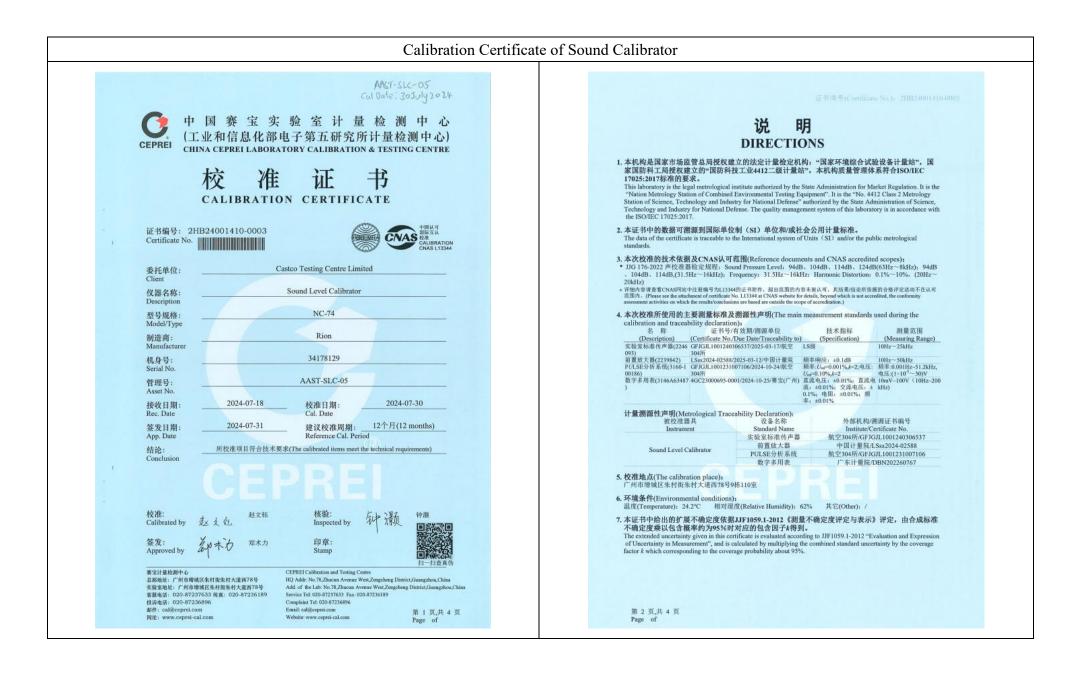


Sound Level Meter 实验室标准传声器 航空304所/GFJGJL1001240306537	G					
<ol> <li>技准地点(The calibration place): 广州市坦城区朱村街朱村大道西78号9栋110室</li> </ol>	CEPREI		证书编号(Cert	ficate No.): 21	HB24001410	-0002
<ol> <li>环境条件(Environmental conditions); 温度(Temperature): 23.3°C 相对證度(Relative Humidity): 66% 其它(Other): /</li> </ol>	1 外观与工作正常性检查(A 无影响证书中源量结)	ppearance and Function C 果准确度的因素和缺陷。	heck)			
7. 本证书中给出的扩展不确定度依据JJF1059.1-2012《测量不确定度评定与表示》评定,由合成标准 不确定度乘以包含概率约为95%时对应的包含因子k得到。		I defect that affect the mea	surement result accura	y of the certifica	ite.	
The extended uncertainty given in this certificate is evaluated according to JJF1059.1-2012 "Evaluation and Expression of Uncertainty in Measurement", and is calculated by multiplying the combined standard uncertainty by the coverage factor k which corresponding to the coverage probability about 95%.	<ol> <li>指示声级调整 (Indication 5 传声器型号</li> </ol>	SPL Calibration) 传声器编号	放大器		equency)-100 放大器编号	0Hz
8. 证书中"P"、"合格"代表"测量结果在允许范围内","F"、"不合格"代表"测量结果不在允许范围 内","N/A"代表"不适用或这术指标暂时无法确认等"。本证书报告的结论仅供参考,使用人员应	(Microphone Type) /	(Microphone SN.)	(Preamplif		eamplifier SN	.)
结合实际测量的要求合理使用,如考虑测量结果测量不确定度的影响等。 "P" and "Pass" in this certificate stand for "Low LimitSthe measured value SHigh Limit", "F" and "Fail" stand for "the measured value=Low Limit or the measured value>High Limit", "N/A" stands for "Not Applicable or The technical	声校准器型号	标准声压级	调整前示值	调整后	示值	
specification has not been confirmed etc". The conclusions of this certificate are for reference only. Users should use them reasonably according to the actual measurement requirements, such as considering the impact of measurement uncertainty, etc.	(Calibrator Type)	(Reference SPL) (dB)	(Before Adjust) (dB)	(After A	Adjust) dB)	
9. 建议校准周期是本实验室依据本证书报告的技术依据和仪器设备常规使用条件给出的建议,供委托方可以根据实际使用情况自行决定样品的校准周期。	4231	94.0	94.4		4.0	
The reference calibration period is based on the reference documents and normal operating conditions of the calibrated instrument. It is only for reference. The client may decide the calibration period of the instrument according to the actual use.	3 级线性 (Level Linearity) 3.1 参考级量程 (Reference)	Range)	插来(1	requency): 8000	u.,	
	标准声级	指示声级	误差	允许误差	nz 结论	U
注: 1.本证书未经本机构书面授权,不得部分复制。(The certificate shall not be partly reproduced without written approval of the laboratory.)	(Standard)	(Indication)	(Error)		(Pass/Fail)	(k-2)
approvator inc andonasory. 2.本次按定结果Closit表物有关。(The results are only related to the items calibrated.)	(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)
3."委托方"、"委托方联络信息"由委托方提供,"制造厂"、"型号规格"、"出厂编号"以及"设备编号"为仪器	130.0	129.9	-0.1	±0.8	Р	0.3
上标注,委托方对上面内容如有异议,须在改到证书后二十个工作日内提出。	129.0	128.9	-0.1	±0.8	Р	0.3
The information Client and Contact Information are provided by client, and the Manufacurer, Model/Type, Serial No. and Equipment No. are marked on the items.Client shall submit any objection within 20 working days after	128.0	127.9	-0.1	±0.8	Р	0.3
No, and Equipment No, are marked on the netrits chefin shart submit any objection whill 20 working days and receiving the certificate for the information above.	127.0	126.9	-0.1	±0.8	Р	0.3
receiving an extension of the anti-	126.0	125.9	-0.1	±0.8	Р	0.3
	125.0	124.9	-0.1	±0.8	Р	0.3
	120.0	119.9	-0.1	±0.8	Р	0.3
	110.0	110.0	0.0	±0.8	Р	0.3
	100.0	100.0	0.0	±0.8	Р	0.3
	90.0	90.0	0.0	±0.8	Р	0.3
	80.0 70.0	79.9	-0.1	±0.8	Р	0.3
	60.0	60.0	-0.1	±0.8	P	0.3
	50.0	49,9	0.0 -0.1	±0.8 ±0.8	P	0.3
	40.0	39.9	-0.1	±0.8 ±0.8	P	0.3
	35.0	34.8	-0.1	±0.8 ±0.8	P	0.3 0.3
	34.0	33.8	-0.2	±0.8	P	0.3
	33.0	32.9	-0.1	±0.8	P	0.3
	32.0	31.8	-0.2	±0.8	P	0.3
	31.0	30.8	-0.2	±0.8	P	0.3
	30.0	29.8	-0.2	±0.8	P	0.3
	第4页,共6页 Page of	数据页(Data she	et) ID: 071288			

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除海市岐 西京市湖 夏菜 免け菜菜 付く (4.2) (4.69) (4.6	CEPREI		证书编号(	Certificate No.):	2HB24001410	-0002	
(Smach)       (Пабелзіон)       (Пане)       (Рев'Рай)       (6-2)         (街)       (日)       (H)       (H)       (H)       (H)       (H)         1300       1293       -0.1       40.8       P       0.3         1200       128.9       -0.1       40.8       P       0.3         125.0       127.9       -0.1       40.8       P       0.3         125.0       127.9       -0.1       40.8       P       0.3         125.0       124.9       -0.1       40.8       P       0.3         125.0       124.9       -0.1       40.8       P       0.3         120.0       119.9       -0.1       40.8       P       0.3         100.0       100.0       0.0       40.8       P       0.3         90.0       90.0       0.0       40.8       P       0.3         90.0       90.0       0.0       40.8       P       0.3         90.0       50.0       0.0       40.8       P       0.3         90.0       33.9       4.1       40.8       P       0.3         35.0       29.8       4.2       40.8       P							
( $00$ )       ( $00$ )       ( $00$ )       ( $00$ )       ( $00$ )       ( $00$ )         1200       1289       0.1 $0.8$ P       0.3         1200       1279       0.1 $0.8$ P       0.3         1200       1279       0.1 $0.8$ P       0.3         1200       1279       0.1 $0.8$ P       0.3         1200       1299       0.1 $0.8$ P       0.3         1200       1299       0.1 $0.8$ P       0.3         1200       1199 $0.1$ $0.8$ P       0.3         1000       100.9 $0.0$ $0.8$ P       0.3         900       0.0 $0.8$ P       0.3         900       339 $0.2$ $0.8$ P       0.3         910       31.8 $0.2$ $0.8$							
1300       129       -0.1       -0.8       P       0.3         1250       1259       -0.1       -0.8       P       0.3         1260       1060       0       -0.8       P       0.3         1060       1060       0       -0.8       P       0.3         1060       1060       0.0       -0.8       P       0.3         1060       0.0       -0.8       P       0.3         500       500       0.0       -0.8       P       0.3         530       34.9       -0.1       -0.8       P       0.3         330       32.8       -0.2       -0.8       P       0.3         330       32.8       -0.2       -0.8       P       0.3         30.0       29.							
1290       129       01       08       P       03         1250       1259       01       0.8       P       03         1250       1259       0.1       0.8       P       03         1250       1259       0.1       0.8       P       03         1250       129       0.1       0.8       P       03         1200       1199       0.1       0.8       P       03         1200       1000       00       0.8       P       03         1000       1000       00       0.8       P       03         900       900       0.0       408       P       03         900       900       4.0       4.0       9       3         900       300       2.0       8       P       03         310       32.0       32.4 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
1280 1270 1270 1269 1269 1269 1249 0.1 0.8 P 0.3 1250 125 0 124 0 100 109 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							
1260     1259     0.1     0.8     P     0.3       1250     1249     0.1     0.8     P     0.3       1100     1100     0.0     4.8     P     0.3       1000     1000     0.0     4.8     P     0.3       1000     1000     0.0     4.8     P     0.3       1000     100     0.0     4.8     P     0.3       1000     1.1     4.8     P     0.3       1000     2.2.8     4.2     4.0.8     P     0.3       1000     2.2.8     4.2     4.0.8     P     0.3       1000     2.9.8     4.2     4.0.8     P     0.3       100     2.9.8     4.2     4.							
1250     1259     -0.1     -0.8     P     0.3       1250     1249     -0.1     -0.8     P     0.3       1000     1100     0.0     -0.8     P     0.3       1000     1000     0.0     -0.8     P     0.3       1000     900     0.0     -0.8     P     0.3       900     900     0.0     -0.8     P     0.3       900     900     0.0     -0.8     P     0.3       900     700     0.0     -0.8     P     0.3       900     600     0.0     -0.8     P     0.3       900     900     0.0     -0.8     P     0.3       900     900     0.0     -0.8     P     0.3       900     30.0     32.8     -0.2     -0.8     P     0.3       900     29.8     -0.2     -0.8     P     0.3       900     29.8     -0.2     -0.8     P     0.3					Р		
1000 1000 000 40.8 P 0.3 900 000 00 40.8 P 0.3 900 000 40.0 40.8 P 0.3 900 000 40.0 40.8 P 0.3 900 300 0.0 40.8 P 0.3 900 300 0.0 40.8 P 0.3 900 300 0.0 40.8 P 0.3 900 400 0.0 40.8 P 0.3 900 40.8 P 0		125.9			Р		
110.0       110.0       0.0       40.8       P       0.3         100.0       100.0       0.0       40.8       P       0.3         90.0       90.0       0.0       40.8       P       0.3         70.0       70.0       0.0       40.8       P       0.3         90.0       60.0       0.0       40.8       P       0.3         90.0       60.0       0.0       40.8       P       0.3         90.0       90.0       0.0       40.8       P       0.3         90.0       40.0       0.0       40.8       P       0.3         90.0       40.0       0.0       40.8       P       0.3         31.0       33.9       0.1       40.8       P       0.3         32.0       31.8       0.2       40.8       P       0.3         30.0       29.8       0.2       40.8       P       0.3					Р		
1000       1000       00       40.8       P       0.3         900       900       00       40.8       P       0.3         700       700       00       40.8       P       0.3         600       600       00       40.8       P       0.3         600       600       00       40.8       P       0.3         600       600       00       40.8       P       0.3         500       500       00       40.8       P       0.3         300       300       32.8       P       0.3         310       32.8       -0.2       40.8       P       0.3         310       30.8       -0.2       40.8       P       0.3         310       30.8       -0.2       40.8       P       0.3         310       30.8       -0.2       40.8       P       0.3         30.0       22.8       -0.2       40.8       P       0.3         30.0       22.8       -0.2       40.8       P       0.3         30.0       22.8       -0.2       40.8       P       0.3         30.9       50.9       5							
900       900       00       408       P       03         800       800       00       408       P       03         600       600       00       408       P       03         500       500       00       408       P       03         500       500       00       408       P       03         500       500       00       408       P       03         350       349       01       408       P       03         350       349       01       408       P       03         310       328       02       408       P       03         320       318       02       408       P       03         300       295       42       408       P       03         400       400       400       408       P       03         405       407       408       P       03<					Р		
800       800       0.0       ±0.8       P       0.3         700       700       0.0       ±0.8       P       0.3         500       500       0.0       ±0.8       P       0.3         400       400       0.0       ±0.8       P       0.3         400       400       0.0       ±0.8       P       0.3         310       33.9       0.1       ±0.8       P       0.3         32.0       31.8       4.2       ±0.8       P       0.3         30.0       29.8       5.2       ±0.8       P       0.3         31.0       30.9       5.9       5.9       5.9       5.9         4.9					P		
700       700       00       40.8       P       0.3         60.0       60.0       0.0       40.8       P       0.3         50.0       50.0       0.0       40.8       P       0.3         40.0       40.0       0.0       40.8       P       0.3         35.0       34.9       0.1       40.8       P       0.3         34.0       32.8       0.2       40.8       P       0.3         32.0       31.8       0.2       40.8       P       0.3         30.0       29.8       0.2       40.8       P       0.3         30.0       29.8       0.2       40.8       P       0.3         30.0       29.8       0.2       40.8       P       0.3					P		
600     600     00     408     P     03       500     400     00     408     P     03       400     400     00     408     P     03       350     349     4.1     408     P     03       340     35.9     4.1     408     P     03       340     35.9     4.1     408     P     03       340     35.9     4.1     408     P     03       300     32.8     4.2     408     P     03       300     29.8     4.2     408     P     03       300     29.8     4.2     408     P     03       300     29.8     4.2     408     P     03					Р		
500     500     0.0     #0.8     P     0.3       300     400     0.0     #0.8     P     0.3       350     34.9     -0.1     #0.8     P     0.3       300     32.8     -0.2     #0.8     P     0.3       310     32.8     -0.2     #0.8     P     0.3       30.0     22.8     -0.2     #0.8     P     0.3       310     30.8     -0.2     #0.8     P     0.3       30.0     29.8     -0.2     #0.8     P     0.3					Р		
35.0     34.9     -0.1     ±0.8     P     0.3       34.0     33.9     -0.1     ±0.8     P     0.3       33.0     32.8     -0.2     ±0.8     P     0.3       31.0     30.8     -0.2     ±0.8     P     0.3       30.0     29.8     -0.2     ±0.8     P     0.3       30.0     29.8     -0.2     ±0.8     P     0.3					Р		
34.0     33.9     -0.1     年0.8     P     0.3       33.0     32.8     -0.2     +0.8     P     0.3       32.0     31.8     -0.2     ±0.8     P     0.3       31.0     30.8     -0.2     ±0.8     P     0.3       30.0     29.8     -0.2     ±0.8     P     0.3	40.0	-40.0	0.0	±0.8	Р	0.3	
33.0 32.8 -0.2 ±0.8 P 0.3 32.0 31.8 -0.2 ±0.8 P 0.3 30.0 29.8 -0.2 ±0.8 P 0.3 0.0 29.8 -0.2 ±0.8 P 0.3 0.0 CEBPREE					Р		
32.0 31.8 -0.2 ±0.8 P 0.3 31.0 30.8 -0.2 ±0.8 P 0.3 30.0 29.8 -0.2 ±0.8 P 0.3 CEEPREEI							
31.0 30.8 -0.2 ±0.8 P 0.3 30.0 29.8 -0.2 ±0.8 P 0.3 CEEPREE					Р		
30.0 29.8 -0.2 ±0.8 P 0.3 CEEPREE BEREE					P		
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CEPREI		证书	编号(Certificat	te No.): 2HB24	001410-0003		CEPREI		证书	编号(Certificate	No.): 2HB230	001715-0001
1 外观与工作正: 无影响证书	的中國量结果准确則	ice and Function Check)			001410-0005		无影响证书	中测量结果准确度	ce and Function Check) f的因素和缺陷。 hat affect the measurement r	result accuracy of	the certificate.	
2 声压级 (Sound	Pressure Level)						2 声压级 (Sound F	Pressure Level)				
規定声压级	测量声压级	声压级差的绝对值	接受限	结论	U	3 (1)	規定声压级 (Prescribed SPL)	测量声压级 (Measured SPL)	声压级差的绝对值 (Absolute value of SPL)	接受限 (Limit)	结论 (Pass/Fail)	U (k=2)
(Prescribed SPL) (dB) 94	(Measured SPL) (dB) 94.06	(Absolute value of SPL) (dB) 0.06	(Limit) (dB) ≤0.25	(Pass/Fail)	(k=2) (dB)		(dB) 94	(dB) 93.86	(dB) 0.14	(dB) ≤0.25	Р	(dB) 0.10
94	94.00	0.06	≤0.23	Р	0.10		3 频率 (Frequency	)				
3 頻率 (Frequenc	y)						規定頻率 (Prescribed Fre.)	测量频率	频率误差的绝对值 (Absolute value of Fre.)	接受限 (Limit)	结论 (Pass/Fail)	U <sub>rel</sub> (k=2)
規定頻率	测量频率	频率误差的绝对值	接受限	结论	Urel		(Prescribed Fre.) (Hz)	(Measured Fre.) (Hz)	(Absolute value of Fre.) (%)	(Cinnt) (%)	(rass/ran)	(%)
(Prescribed Fre.)	(Measured Fre.)	(Absolute value of Fre.)	(Limit)	(Pass/Fail)	( <i>k</i> =2)		1000	1003.7	0.37	≤0.70	Р	0.10
(Hz)	(Hz)	(%)	(%)		(%)							
1000	1002.1	0.21	⊴0.70	Р	0.10		4 总失真+噪声 (D	Distortion and noise)				
4 总失真+噪声(1	Distortion and noise)						规定声压级	规定频率	总失真+噪声	接受限	结论	$U_{\rm rel}$
Annual and a part from	100 45 477 45		1				(Prescribed SPL)	(Measured Fre.)	(Distortion and noise)	(Limit)	(Pass/Fail)	( <i>k</i> =2)
规定声压级 (Prescribed SPL)	規定頻率 (Measured Fre.)	总失真+噪声 (Distortion and noise)	接受限	结论	Urel		(dB)	(Hz)	(%)	(%)		(%)
(rtescribed SFL) (dB)	(Measured Fre.) (Hz)	(Distortion and hoise) (%)	(Limit) (%)	(Pass/Fail)	(k=2) (%)		94	1000	0.69	≤2.50	P	5.0
94 以下空白/No data he	1000	0.68	≤2.50	р	5.0		以下空白/No data her	reafter				
						(5)						

Catalogue of Air Fl	ow Meter (TSI TA440)	Calibration Certificate of Air Flow Meter
		An
SPECIFICATIONS		Cal Lab Limited 校正實驗室有限公司 Room 2103, Technology Plaza, 29-35 Sha Tsui Road,
THERMAL ANEMOMETERS MODELS TA410, TA430 AND TA440		ab Tsuen Wan, NT, Hong Kong
TIODELS INHIO, INHSOMID INHIO		CALIBRATION Tel: +852 25680106 Email: info@callab.com.hk Website: www.callab.com.hk Certifiate #3815.01
		Calibration Certificate No.: CC0242312
Velocity	Time Constant (TA430, TA440)	Information provided by customer
Range (TA410)         0 to 20 m/s (0 to 4,000 ft/min)           Range (TA430, TA440)         0 to 30 m/s (0 to 6,000 ft/min)	User selectable	Customer: Castco Testing Centre Limited Address: 33, On Kui Street, Fanling, N.T.
Accuracy (TA410) <sup>162</sup> ±5% of reading or ±0.025 m/s (±5 ft/min), whichever is greater	External Meter Dimensions	And only the part of the second of the part of the second
Accuracy (TA430, TA440) <sup>162</sup> ±3% of reading or ±0.015 m/s (±3 ft/min), whichever is greater	8.4 cm x 17.8 cm x 4.4 cm (3.3 in. x 7.0 in. x 1.8 in.)	Equipment identification provided by customer Equipment Description Manufacturer Model No. Serial No. Assigned equipment No
Resolution 0.01 m/s (1 ft/min)	Meter Weight with Batteries 0.27 kg (0.6 lbs.)	Air Velocity Monitor TSI AIRFLOW TA440 TA4401232005 AAST-FLOW-02
Duct Size (TA430, TA440) Dimensions 1 to 635 cm in increments of	Meter Probe Dimensions	Certificate Information
Dimensions 1 to 635 cm in increments of 0.1 cm (1 to 250 inches in increments of 0.1 in.)	Probe Length 101.6 cm (40 in.) Probe Diameter of Tip 7.0 mm (0.28 in.)	Date of Receipt:         15 December 2023         Calibration Condition:         21.3°C, 56%RH, 1014hPa           Date of Calibration:         18 December 2023         Adjustment:         N/A
Volumetric Flow Rate (TA430, TA440)	Probe Diameter of Base 13.0 mm (0.51 in.)	Due Date of Calibration: N/A Appearance: Good
Range Actual range is a function of velo and duct size		Calibration Procedure: SOP-112 Remark: N/A
Temperature	Articulating Section 19.7 cm (7.8 in.) Length Diameter of 9.5 mm (0.38 in.)	Reference Equipment Identification
Range (TA410, TA430) -18 to 93°C (0 to 200°F)	Diameter of 9.5 mm (0.38 in.) Articulating Knuckle	Equipment Description         Model         Serial No.         Expiration Date           Hot Wire Anemometer         9535         T95351316004         11 August 2024
Range (TA440)         -10 to 60°C (14 to 140°F)           Accuracy <sup>3</sup> ±0.3°C (±0.5°F)	Power Requirements	Hot Wire Anemometer 9535 T95351316004 11 August 2024
Resolution 0.1°C (0.1°F)	Four AA-size batteries or AC adapter	Result of Calibration
Relative Humidity (TA440 only)	TA410 TA430, TA440,	Air Velocity Reference Measured Technical Technical
Range         5 to 95% RH           Accuracy <sup>4</sup> ±3% RH	Velocity range	Reading (m/s) Reading (m/s) Error (m/s) Uncertainty (%) Requirement Reference Doc.
Resolution 0.1% RH	0 to 20.00 m/s + (0 to 4000 ft/min) Velocity range	0.99         0.99         0.00         3.6         ± 5 %         Mfr's Spec.           2.02         2.03         0.01         3.6         ± 5 %         Mfr's Spec.
Wet Bulb Temperature (TA440 only)	0 to 30.00 m/s + + (0 to 6000 ft/min)	2.02         2.03         0.01         3.6         ± 5 %         Mfr's Spec.           5.01         4.98         -0.03         3.6         ± 5 %         Mfr's Spec.
Range         5 to 60°C (40 to 140°F)           Resolution         0.1°C (0.1°F)	Temperature + + +	7.96 8.07 0.11 3.6 ± 5 % Mfr's Spec.
	Flow + +	
Dew Point (TA440 only)           Range         -15 to 49°C (5 to 120°F)	Humidity, wet bulb, +	one one one one one one one one
Resolution 0.1°C (0.1°F)	Probe Straight Straight or A articulated	plant many states marries many theme
Instrument Temperature Range	Variable time + +	CALIDRATION
Operating (Electronics)         5 to 45°C (40 to 113°F)           Model TA410, TA430         -18 to 93°C (0 to 200°F)	Manual + +	UALIDIXATION
Operating (Probe) Model TA440 -10 to 60°C (14 to 140°F)	Autosave + data logging	and an an an an an an an
Operating (Probe) Storage -20 to 60°C (-4 to 140°F)	Statistics + +	all and all the second all the second and the second all the secon
Data Storage Capabilities (TA430, TA440)	Review data + +	
Range 12,700+ samples and 100 test ID	The second se	
range 16,700, sumples and 100 rest ib	downloading + + +	Note1: The estimated expanded uncertainties have been calculated in "Evaluation and expression of uncertainty in measurement" and give an internal estimated to have a of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.
	Prove Provide states	Note2: The standard (s) and instrument used in the calibration are traceable to national or international recognized standard and are calibrated on a schedule to maintain accuracy and good condition.
Logging Interval (TA430, TA440)	Free Certificate + + + + of Calibration	
Logging Interval (TA430, TA440) 1 second to 1 hour Specifications subject to charge without notice.	Prec Certificate of Calibration * * * * * * * * * * * * * * * * * * *	Note3: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of instrument.
Logging Interval (TA430, TA440) 1 second to 1 hour	Free Certificate + + + + of Calibration	Note3: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of
Logging Interval (TA430, TA440) 1 second to 1 hour Specifications subject to change without notice. T3 and the T3 loss are resistered trademarks, and Airflow.	Prec Certificate         *           *Temperature comparisated over an air temperature range of 5 to 50°C (40 to 150°F)         *           *The accuracy statement begins at 30 ftmin through 4000 ftmin (10.5 m/s) through 30 m/s) for the Veldel 74.400 and 30 ftmin through 4000 ftmin (10.5 m/s) through 30 m/s) for Media 74.403 and 17.440.         *           *Accuracy with the statement comparison of the Velde 74.403 m/s) for Media 74.403 m/s) for Media 74.403 m/s) for Media 74.400 ftmin (10.5 m/s) through 30 m/s) for Media 74.403 m/s) for Media 74.4	Note3: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of instrument.
Logging Interval (TA430, TA440) 1 second to 1 hour Specifications subject to change without notice Tail and the TShoos are resistened trademarks, and Airflow.	Prec Certificate of Calibration  Tomperature compensated over an aic temperature range of 5 to 50% (40 to 155 rp)  The security statement begins at 20 th time through 40000 (through 10.5 m/s) through 30 m/s) for the through 41401 and 30 through through 30 m/s) for Models TA430 and TA440.  Procures you with instrument case at 25% (27%), add uncertainty of 0.30% (70 to 00%) for	Note: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of instrument. In the calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as received.
Logging Interval (TA430, TA440) 1 second to 1 hour Specifications subject to change without notice. TStand the STal bage are registered trademarks, and Artflow, the Arthous legg and LogDia2 are trademarks of TSI horoportube. The Arthous legg and LogDia2 are trademarks of TSI horoportube. IN STRUME IN STRU	Prec Certificate of Calibration <sup>1</sup> Temperature compensated over an air temperature range of 5 to 65°C (40' to 150°F). <sup>1</sup> The accuracy statement bagins at 30 frmin through 4000 frmin (1.15 ms through 20 m/s) in the statement bagins at 30 frmin through 6000 frmin (1.15 ms through 20 m/s) in the statement bagins at 30 frmin through 6000 frmin (1.15 ms through 20 m/s) in the statement at 20 frmin through 6000 frmin (1.15 ms through 20 ms) for fractary statement temperature.  4 Accuracy with node at 35°C (7779) Add uncertainty of 0.09°C/FC (0.059°/F) for change in instrument temperature.  4 Accuracy with node at 35°C (7779) Add uncertainty of 0.20°C/FC (0.059°/F)	Note:: The result reported in this catificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of instrument. Note:: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration term as received. Calibrated By: Checked and Approved By: Company Chop:
Logging Interval (TA430, TA440) 1 second to 1 hour Specifications subject to change without notice. T31 and the T31bgs are ngistered tademarks and Arthou. the Arthou Rego and Logging are tademarks of T31Incroportal. EXAMPLE AND ARTHOUGH T31Incroportal. In State Content of T31Incroportal.	Prec Certificate         +         +           • Temperature compensated over an air temperature range of 5 to 65°C (40°to 150°F).         • The accuracy statement begins at 30 Krimin through 4000 Krimin (13.5 m/s) through 20 m/s) for the 164 ddd Atdd at at 30 Hrmin through 4000 Krimin (13.5 m/s) through 30 m/s) for           • Accuracy with instrument case at 25°C (77°F), add uncertainty of 0.20°C/C (0.05°C/F) for drange in instrument temperature.         • Accuracy with protoe at 25°C (77°F), add uncertainty of 0.20°C/C (0.16°RH/°C) for drange in probe at 25°C (77°F). Add uncertainty of 0.20°C/R (0.16°RH/°C) for drange in probe temperature. Includes 1% hystoresis.           • mation.         • Accuracy with probe at 25°C (77°F). Add uncertainty of 0.20°C RH/°C (0.16°RH/°C) for drange in probe temperature. Includes 1% hystoresis.	Note:: The result reported in this catilization certificate refer to the condition of the instrument on the date of calibration and curry no implication regarding the long term stability of instrument. Note: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as received. Calibrated By: Checked and Approved By: Company Chop:
Logging Interval (TA430, TA440) 1 second to 1 hour Specifications subject to change without notice TSI and the TSI logo are registred Fashemarks, and Airflow, Air Airbow logo and Logitz are trademarks of TSI Incorporate. IN STRUMENTS OF TSI Incorporate. IN STRUMENTS OF TSI Incorporate.	Prec Certificate         +         +           • Temperature compensated over an air temperature range of 5 to 65°C (40°to 150°F).         • The accuracy statement begins at 30 Krimin through 4000 Krimin (13.5 m/s) through 20 m/s) for the 164 ddd Atdd at at 30 Hrmin through 4000 Krimin (13.5 m/s) through 30 m/s) for           • Accuracy with instrument case at 25°C (77°F), add uncertainty of 0.20°C/C (0.05°C/F) for drange in instrument temperature.         • Accuracy with protoe at 25°C (77°F), add uncertainty of 0.20°C/C (0.16°RH/°C) for drange in probe at 25°C (77°F). Add uncertainty of 0.20°C/R (0.16°RH/°C) for drange in probe temperature. Includes 1% hystoresis.           • mation.         • Accuracy with probe at 25°C (77°F). Add uncertainty of 0.20°C RH/°C (0.16°RH/°C) for drange in probe temperature. Includes 1% hystoresis.	Note2: The result reported in this certificate refer to the condition of the instrument on the date of calibration and curry on implication regarding the long term stability of instrument. Notes: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as received. Calibrated By: Checked and Approved By: Company Chop:

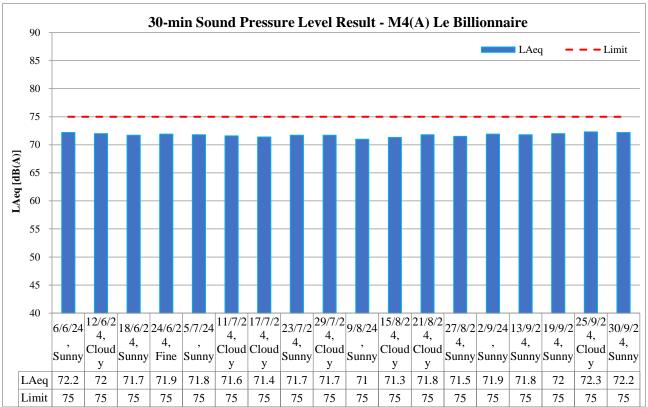
Appendix K – Noise monitoring results and graphical presentation

## M4(A) – Le Billionnaire

	Temp	Wind	Weathe			Measured	Noise Lev	el at M4(A	A), dB(A)		T insid	
Date	(°C)	Speed m/s	r		Time		Baseline	L <sub>Aeq</sub>	L <sub>A10</sub>	L <sub>A90</sub>	Limit	
02/09/2024	33.9	0.4	Sunny	13:00	-	13:30	69.5	71.9	73.5	71.1	75	
13/09/2024	31.8	0.6	Sunny	9:15	-	9:45	69.5	71.8	72.9	70.7	75	
19/09/2024	32.6	0.3	Sunny	13:15	-	13:45	69.5	72.0	73.1	70.9	75	
25/09/2024	32.2	0.7	Cloudy	9:20	-	9:50	69.5	72.3	73.1	71.1	75	
30/09/2024	31.9	0.3	Sunny	13:30	-	14:00	69.5	72.2	73.2	71.0	75	
					]	Maximum		72.3				
						Minimum		71.8				
						Average		72.0				

# M5(A) – Prince Ritz

Date	Temp (°C)	Wind Speed m/s	Weathe r	Measured Noise Level at M5(A), dB(A)							
				Time			Baseline	L <sub>Aeq</sub>	L <sub>A10</sub>	L <sub>A90</sub>	Limit
02/09/2024	33.9	1.0	Sunny	14:05	-	14:35	72.5	73.8	75.2	72.2	75
13/09/2024	31.8	0.4	Sunny	10:05	-	10:35	72.5	74.6	75.7	73.2	75
19/09/2024	32.6	0.4	Sunny	14:05	-	14:35	72.5	73.8	75.0	72.4	75
25/09/2024	32.2	0.7	Cloudy	10:15	1	10:45	72.5	74.3	75.4	73.1	75
30/09/2024	31.9	0.9	Sunny	14:30	-	15:00	72.5	73.9	74.9	72.0	75
				Maximum				74.6			
				Minimum				73.8			
				Average				74.1			



### LAeq, 30-min graphical results of M4(A) – Le Billionnaire

### LAeq, 30-min graphical results of M5(A) – Prince Ritz



	Reporting Period					
Major Construction Activities	Jun 2024	Jul 2024	Aug 2024	Sep 2024		
Floor screeding works at deck level of LW-02			✓	✓		
Construction of hoarding at CDR				✓		
Construction of stormwater drainage manhole and pipes at LW-02			✓			
Construction works for DCS			✓	✓		
Construction works for DCS 2A5B, 2A10, 2A5A and 2A4	$\checkmark$					
Construction works for DCS Chamber 2A5A, 2A4 and pipe laying		✓				
Construction of LW02 structural steel roof	$\checkmark$	✓	✓	✓		
Construction of Parapet for S14	$\checkmark$	✓	✓	✓		
Construction of bridge deck of S14 and portal for K73 Bridge	$\checkmark$					
Construction of bridge deck of S14		✓	✓	✓		
Construction of headwall at Subway SB01 Retrieval Shaft		✓	✓	✓		
Construction of Lift Shaft for Subway SB-01		✓				
Glazing installation for KS10 Lift	$\checkmark$	✓	✓	✓		
Louvre installation for KS10 lift	$\checkmark$	✓	✓	✓		
Dismantle of temporary steel decking across Kai Tak River at LW02	$\checkmark$	✓				
Drainage construction and backfilling works for retaining wall of S14	$\checkmark$	✓	✓	✓		
Drainage construction works at PS2 and PS4	$\checkmark$	✓	✓	✓		
Installation of glass bracket of Lift at LW02 and glass panels	$\checkmark$	✓				
Installation of floor tiles inside Subway SB-01			✓	✓		
Installation of glazing plane on diagrid frame at LW-02				✓		
Construction of Public Lighting at LW02	$\checkmark$	✓	✓			
SPR Retrieval Shaft Headwall RC construction	$\checkmark$					
RC Construction for Kerb of Elevated Walkway LW-02	$\checkmark$	✓				
Renovation works for Subway KS10 Lift and Staircase	$\checkmark$	✓	✓	✓		
Renovation works for existing subways KS10	$\checkmark$	✓	✓	✓		
Road and Drain Construction works for Road L16, Commercial Street and Road D1	✓	~	~	~		
Road and drain construction works for Olympic Avenue	✓	✓				

	Reporting Period					
Factors might affect the monitoring results	Jun 2024	Jul 2024	Aug 2024	Sep 2024		
Non-project related construction activities in the adjacent construction sites were observed.	$\checkmark$	~	~	~		

## Appendix L – Event and Action Plan for noise

E (	Action							
Event	ЕТ	IEC	Supervisor / ER	Contractor				
Action Level being exceeded	<ol> <li>Notify Supervisor / ER, IEC and Contractor;</li> <li>Carry out investigation;</li> <li>Report the results of investigation to the IEC, Supervisor / ER and Contractor;</li> <li>Discuss with the IEC and Contractor on remedial measures required;</li> <li>Increase monitoring frequency to check mitigation effectiveness.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified.)</li> </ol>	<ol> <li>Review the investigation results submitted by the ET;</li> <li>Review the proposed remedial measures submitted by the Contractor and advise the ER accordingly;</li> <li>Advise the Supervisor / ER on the proposed remedial measures.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified.)</li> </ol>	3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;	<ol> <li>Submit noise mitigation proposal to IEC and Supervisor / ER;</li> <li>Implement noise mitigation proposals.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified.)</li> </ol>				
Limit Level being exceeded	<ol> <li>Inform IEC, Supervisor /ER, Contractor and EPD;</li> <li>Repeat measurement to confirm findings;</li> <li>Increase monitoring frequency;</li> <li>Identify source and investigate the cause of exceedance;</li> <li>Carry out analysis of Contract's working procedure;</li> <li>Discuss remedial measures required with the IEC, Contractor and Supervisor /ER;</li> <li>Assess effectiveness of</li> </ol>	<ol> <li>Discuss the potential remedial actions with Supervisor /ER, ET and Contractor;</li> <li>Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the Supervisor /ER accordingly.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified.)</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Supervise the implementation of remedial measures;</li> <li>If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC and Supervisor /ER within 3 working days of notification;</li> <li>Implement the agreed proposal;</li> <li>Submit further proposal if problem still not under control;</li> <li>Stop the relevant portion of works as instructed by the Supervisor /ER until the exceedance is abated.</li> <li>The above actions should be</li> </ol>				

Event	Action								
Event	ЕТ	IEC	Supervisor / ER	Contractor					
	Contractor's remedial		exceedance until the	taken within 2 working days					
	actions and keep IEC,		exceedance is abated.	after the exceedance is					
	EPD, and Supervisor /ER		(The above actions should be	identified.)					
	informed of the results;		taken within 2 working days after						
	8. If exceedance stops, cease		the exceedance is identified.)						
	additional monitoring.								
	(The above actions should be								
	taken within 2 working days								
	after the exceedance is								
	identified.)								

Appendix M – Event and Action Plan for Landscape and Visual Impact

Event		Act	tion	
Event	ЕТ	IEC	Supervisor / ER	Contractor
Design Check	1. Check final design conforms to the requirements of EP and prepare report.	<ol> <li>Check report.</li> <li>Recommend remedial design if necessary.</li> </ol>	1. Undertake remedial design if necessary.	
Non-conformity on one occasion	<ol> <li>Identify Source.</li> <li>Inform IEC and Supervisor /ER.</li> <li>Discuss remedial actions with IEC, Supervisor /ER and Contractor.</li> <li>Monitor remedial actions until rectification has been completed.</li> </ol>	<ol> <li>Check report.</li> <li>Check Contractor's working method.</li> <li>Discuss with ET and Contractor on possible remedial measures.</li> <li>Advise Supervisor /ER on effectiveness of proposed remedial measures.</li> <li>Check implementation of remedial measures.</li> </ol>	<ol> <li>Notify Contractor.</li> <li>Ensure remedial measures are properly implemented.</li> </ol>	<ol> <li>Amend working methods.</li> <li>Rectify damage and undertake any necessary replacement.</li> </ol>
Repeated Non-conformity	<ol> <li>Identify Source.</li> <li>Inform IEC and Supervisor /ER.</li> <li>Increase monitoring frequency.</li> <li>Discuss remedial actions with IEC, Supervisor /ER and Contractor.</li> <li>Monitor remedial actions until rectification has been completed.</li> <li>If non-conformity stops, cease additional monitoring.</li> </ol>	method. 3. Discuss with ET and Contractor on possible	<ol> <li>Notify Contractor.</li> <li>Ensure remedial measures are properly implemented.</li> </ol>	<ol> <li>Amend working methods.</li> <li>Rectify damage and undertake any necessary replacement.</li> </ol>

Appendix N – Waste Flow Table

	Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Mont					onthly							
Month	Total Quantity Generated A + B	Broken Concrete Generated A	General fill Generated B	Broken Concrete Reused in the Contract	General Fill Reused in the Contract	Reused in other Projects	Disposal as Public Fill	Import Fill	Metals	Paper / Cardboard Packaging	Plastics (3)	Chemical Waste	Other, e.g. general refuse
	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000m <sup>3</sup> ]
JAN	2.16	0.00	2.16	0.00	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
FEB	3.17	0.50	2.67	0.00	2.67	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.01
MAR	0.22	0.22	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.01
APR	0.32	0.12	0.20	0.40	0.20	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.01
MAY	2.59	2.09	0.50	0.20	0.50	0.00	1.89	0.00	0.00	0.10	0.00	0.00	0.10
JUNE	0.47	0.14	0.33	0.00	0.04	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.05
SUB- TOTAL	8.93	3.07	5.86	0.60	5.57	0.00	3.76	0.00	0.00	0.10	0.00	0.00	0.19
JULY	0.23	0.18	0.01	0.00	0.04	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.04
AUG	0.88	0.44	0.44	0.00	0.10	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.02
SEPT	0.48	0.24	0.24	0.00	0.10	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.04
OCT													
NOV													
DEC													
TOTAL	10.52	3.93	6.55	0.60	5.81	0.00	5.11	0.00	0.00	0.10	0.00	0.00	0.29

## MONTHLY SUMMARY WASTE FLOW TABLE FOR \_\_\_\_\_\_ 2024 (YEAR)

**Appendix O – Environmental Mitigation Implementation Schedule** (EMIS)

EIA Ref	Recommended Mitigation Measures	Implementation			n
Part B	Water Quality	Not Observed	Yes	No	Remark
S8.8	Exposed soil areas should be minimised to reduce the potential for increased siltation, contamination of runoff, and erosion. Construction runoff related impacts associated with the above ground construction activities can be readily controlled through the use of appropriate mitigation measures which include use of sodiment traps and adequate maintenance of drainage systems to prevent flooding and overflow	Ŋ			
S8.8	Construction site should be provided with adequately designed perimeter channel and pre- treatment facilities and proper maintenance. The boundaries of critical areas of earthworks should be marked and surrounded by dykes or embankments for flood protection. Temporary ditches should be provided to facilitate runoff discharge into the appropriate watercourses, via a silt retention pond. Permanent drainage channels should incorporate sediment basins or traps and baffles to enhance deposition rates. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94.				
S8.8	Construction works should be programmed to minimise surface excavation works during the rainy season (April to September). All exposed earth areas should be completed as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means.				
S8.8	Sediment tanks of sufficient capacity, constructed from pre-formed individual cells of approximately 6 to 8 m <sup>3</sup> capacity, are recommended as a general mitigation measure which can be used for settling surface runoff prior to disposal. The system capacity is flexible and able to handle multiple inputs from a variety of sources and particularly suited to applications where the influent is pumped.				
S8.8	Open stockpiles of construction materials (for examples, aggregates, sand and fill material) of more than 50 m3 should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.	N			
S8.8	Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers.				
S8.8	Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecast, and actions to be taken during or after rainstorms. Particular attention should be paid to the control of silty surface runoff during storm events.	V			
S8.8	Oil interceptors should be provided in the drainage system and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain.				
S8.8	All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and located wheel washing bay should be provided at every site exit, and wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.				
S8.8	Drainage On-site drainage system should be installed prior to the commencement of other construction activities. Sediment traps should be installed in order to minimise the sediment loading of the effluent prior to discharge into foul sewers. There should be no direct discharge of effluent from the site into the sea.	V			
S8.8	All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge should be adequately designed for the controlled release of storm flows. All sediment control measures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rain storms. The temporarily diverted drainage should be reinstated to its original condition when the construction work has finished or the temporary diversion is no longer required.				
S8.8	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters of the Victoria Harbour WCZ				
S8.8	Sewage Effluent Construction work force sewage discharges on site are expected to be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage may need to be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets should be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor should also be responsible for waste disposal and maintenance practices.	Z			
S8.8	Stormwater Discharges Minimum distances of 100 m should be maintained between the existing or planned stormwater discharges and the existing or planned seawater intakes	V			
S8.8	Debris and Litter In order to maintain water quality in acceptable conditions with regard to aesthetic quality, contractors should be required, under conditions of contract, to ensure that site management	$\checkmark$			

EIA Ref	Recommended Mitigation Measures	In	pleme	entatio	n
	is optimised and that disposal of any solid materials, litter or wastes to marine waters does not occur				
S8.8	Construction Works at or in Close Proximity of Storm Culvert or Seafront The proposed works should preferably be carried out within the dry season where the flow in the drainage channel /storm culvert/ nullah is low.	V			
S8.8	The use of less or smaller construction plants may be specified to reduce the disturbance to the bottom sediment at the drainage channel /storm culvert / nullah.	V			
S8.8	Temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from any water courses during carrying out of the construction works.	V			
S8.8	Stockpiling of construction materials and dusty materials should be covered and located away from any water courses.		$\checkmark$		
S8.8	Construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nearby water receivers		$\checkmark$		
S8.8	Construction activities, which generate large amount of wastewater, should be carried out in a distance away from the waterfront, where practicable.	V			
S8.8	Mitigation measures to control site runoff from entering the nearby water environment should be implemented to minimize water quality impacts. Surface channels should be provided along the edge of the waterfront within the work sites to intercept the runoff.	V			
S8.8	Construction effluent, site run-off and sewage should be properly collected and/or treated.	Ŋ			
S8.8	Any works site inside the storm water courses should be temporarily isolated, such as by placing of sandbags or silt curtains with lead edge at bottom and properly supported props to prevent adverse impact on the storm water quality.	V			
S8.8	Silt curtain may be installed around the construction activities at the seafront to minimize the potential impacts due to accidental spillage of construction materials.	A			
S8.8	Proper shoring may need to be erected in order to prevent soil/mud from slipping into the storm culvert/drainage channel/sea.	N			
S8.8	Supervisory staff should be assigned to station on site to closely supervise and monitor the works		$\checkmark$		
Part C C	onstruction Noise Impact	Not Observed	Yes	No	Remark
S7.8	Use of quiet PME, movable barriers for Asphalt Paver, Breaker, Excavator and Hand-held breaker and full enclosure for Air Compressor, Bar Bender, Concrete Pump, Generator and Water Pump		$\checkmark$		
S7.9	Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program. Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program. Mobile plant, if any, should be sited as far away from NSRs as possible.		V		
	Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum. Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.	V			
	Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.	V			
Part D W	/aste / Chemical Management	Not Observed	Yes	No	Remark
S5.2	Prepare a Waste Management Plan, which becomes a part of the Environmental Management Plan, in accordance with the requirements stipulated in ETWB TC(W) No. 19/2005, approved by the Engineer/Supervising Officer of the Project based on current practices on construction sites		V		
	Training of site personnel in site cleanliness, proper waste management and chemical waste handling procedures		$\checkmark$		
	Provision of sufficient waste disposal points and regular collection for waste. Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers	V			
	Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors. Separation of chemical wastes for special handling and appropriate treatment		$\checkmark$		
S9.5	1)Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site 2)Training of site personnel in proper waste management and chemical waste handling		V		
	procedures 3)Provision of sufficient waste disposal points and regular collection for disposal 4)Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers 5)A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites)				

EIA Ref	Recommended Mitigation Measures	In	npleme	entatio	n
S9.5	<ul> <li>Waste Reduction Measures</li> <li>1) Sort C&amp;D waste from demolition of the remaining structures to recover recyclable portions such as metals</li> <li>2) Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal</li> <li>3) Encourage collection of aluminum cans, PET bottles and paper by providing separate labelled bins to enable these wastes to be segregated from other general refuse generated by the work force</li> <li>4) Any unused chemicals or those with remaining functional capacity should be recycled</li> <li>5) Proper storage and site practices to minimize the potential for damage or contamination of construction materials</li> </ul>				
S9.5 S9.5	Construction and Demolition Material Mitigation measures and good site practices should be incorporated into contract document to control potential environmental impact from handling and transportation of C&D material. The mitigation measures include: 1) Where it is unavoidable to have transient stockpiles of C&D material within the Project work site pending collection for disposal, the transient stockpiles should be located away from waterfront or storm drains as far as possible 2) Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric 3) Skip hoist for material transport should be totally enclosed by impervious sheeting 4) Every vehicle should be washed to remove any dusty materials from its body and wheels before leaving a construction site 5) The area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores 6) The load of dusty materials carried by vehicle leaving a construction site should be covered entirely by clean impervious sheeting to ensure dust materials do not leak from the vehicle 7) All dusty materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet When delivering inert C&D material to public fill reception facilities, the material should consist				
59.5	when delivering inert C&D material to public fill reception facilities, the material should consist entirely of inert construction waste and of size less than 250mm or other sizes as agreed with the Secretary of the Public Fill Committee. In order to monitor the disposal of the surplus C&D material at the designed public fill reception facility and to control fly tipping, a trip-ticket system as stipulated in the ETWB TCW No. 31/2004 "Trip Ticket System for Disposal of Construction				
S9.5	Chemical Waste After use, chemical wastes (for example, cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Spent chemicals should be collected by a licensed collector for disposal at the CWTF or other licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation	V			
Part E L	andscape & Visual	Not Observed	Yes	No	Remark
S13.9	CM1 - All existing trees should be carefully protected during construction. <del>CM2</del> Trees unavoidably affected by the works should be transplanted where practical. Detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWBC 2/2004 and 3/2006. Final locations of transplanted trees should be agreed prior to commencement of the work. <del>CM3 - Control of night-time lighting.</del> CM4 - Erection of decorative screen hoarding.				
Part F A	ir Quality	Not Observed	Yes	No	Remark
S6.8	Stockpiling site(s) should be lined with impermeable sheeting and bunded. Stockpiles should be fully covered by impermeable sheeting to reduce dust emission.		Ŋ		
S6.8	Misting for the dusty material should be carried out before being loaded into the vehicle.	V			
S6.8	Material having the potential to create dust should not be loaded from a level higher than the side and tail boards and should be dampened and covered by a clean tarpaulin.				
S6.8	The tarpaulin should be properly secured and should extent at least 300 mm over the edges of the sides and tailboards. The material should also be dampened if necessary before transportation				
S6.8	The vehicles should be restricted to maximum speed of 10 km per hour and confined haulage and delivery vehicle to designated roadways insider the site. On site unpaved roads should be compacted and kept free of lose materials		$\checkmark$		
S6.8	Vehicle washing facilities should be provided at every vehicle exit point	V			
S6.8	The area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores.		$\mathbf{\nabla}$		
S6.8	Every main haul road should be-scaled with concrete and kept clear of dusty materials or sprayed with water so as to maintain the entire road surface wet.		$\checkmark$		

EIA Ref	Recommended Mitigation Measures	In	npleme	entatio	n
S6.8	Every stock of more than 20 bags of cement should be covered entirely by impervious sheeting placed in an area sheltered on the top and the three sides.		V		
S6.8	Every vehicle should be washed to remove any dusty materials from its body and wheels before leaving the construction sites.		V		
S6.5	8 times daily watering of the work site with active dust emitting activities.		V		

Appendix P – Summaries of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

## **Reporting Month: September 2024**

Contract No.	Record of Complaint (Yes/No)	Record of Warning (Yes/No)	Notification of Summons and Successful Prosecutions (Yes/No)
ED/2018/05	No	No	No

## Cumulative Statistics on Complaints, Notification of Summons and Successful Prosecutions upto reporting month

(	Contract No.	Record of Complaint	<b>Record of Warning</b>	Notification of Summons and Successful Prosecutions
	ED/2018/05	1	0	0