#### 18-12-2023

By hand

Environmental Protection Department Environmental Assessment Division Metro Assessment Group Kowloon Section (2) 27th floor, Southorn Centre, 130 Hennessy Road, Wan Chai, Hong Kong (Attn: Mr. TANG Ho Him, Matthew)

Dear Mr. TANG,

#### Contract No. EDO 2/2020 Environmental Monitoring Works for Contract No. ED/2018/05 – Kai Tak Development – Stage 5B Infrastructure Works at the Former North Apron Area <u>Submission of Monthly EM&A Report for November 2023</u>

We refer to the Environment Permit (EP) No. EP-337/2009 for the captioned project.

Pursuant to Condition 3.3 of the EP-337/2009, please find enclosed four hard copies and one electronic copy of Monthly EM&A Report for November 2023, which has been verified by the IEC for your reference.

Thank you very much for your attention and please feel free to contact Mr. Lee at 9382 4204 should you require further information.

Yours faithfully,

For and on behalf of

Ka Shing Management Consultant Limited

#### AKCL

Applied knowledge center limited

**Company Secretary** 





Date: 14 December 2023 Your ref: Our ref: PL-202312019

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,

#### Re: 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 Verification of Monthly EM&A Report (November 2023)

Reference is made to the Monthly EM&A Report (November 2023) (Version 1.1) issued by the Environmental Team on 14 December 2023.

Please be informed that we have no adverse comment on the captioned submission. We hereby verify the Monthly EM&A Report (November 2023) 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.

CEDD Ka Shing Attn.: Mr. Albert Tse 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

November 2023

(Version 1.1)

Certified By:	Jan.
	(Environmental Team Leader)

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# **EXECUTIVE SUMMARY**

1. This is the 34<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 November 2023.

#### **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 ation Talson	
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.

		ις απά successful proseculio	1 0	
Date of receiving notification of summons or prosecutions	Date of event	Description of event	Action taken	Close-out date / Status
No	NA	NA	NA	NA
notification				
of summons				
and				
successful				
prosecutions				
were				
received in				
the reporting				
month.				

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:
  - Erect falsework and working platform for Decking of Elevated Walkway LW-02
  - RC Construction for Decking of Elevated Walkway LW-02
  - RC Construction of LW02 Lift and Staircase
  - Installation of post tensioning anchorage system at LW-02
  - Construction of Permanent Shaft Structure of SB-01
  - Road and Drain Construction works for Road L16, Commercial Street and Road D1
  - Construction works for DCS

- Modification works for Rising Main chamber WOC1, AVC2 and K1
- Road and drain construction works at Olympic Avenue
- Renovation works for Subway KS10 Lift and Staircase
- Renovation works for existing subways KS9, KS32 and KS10
- Construction of Retaining Wall Type 1 for S14
- Construction of Pile Cap for S14
- Demolition of bearing wall of S14
- Construction works for SMH404 and SMH505

#### **Future key issues**

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

Table IV Summary of future key issues and potential impact in the coming month				
Future key issues in the coming month	Potential impact			
Erect falsework and working platform for Decking of Elevated Walkway LW-02	Noise and Air Quality			
RC Construction for Decking of Elevated Walkway LW-02	Noise and Air Quality			
RC construction of LW02 lift and staircase	Noise and Air Quality			
Installation of post tensioning anchorage system at LW-02	Noise and Air Quality			
Construction of Permanent Shaft Structure of SB-01	Noise and Air Quality			
Road and drain construction works of Road L16, Commercial Street and Road D1	Noise and Air Quality			
Construction works for DCS	Noise and Air Quality			
Road and Drain Construction works at Olympic Avenue	Noise and Air Quality			
Renovation works for Subway KS10 Lift and Staircase	Noise and Air Quality			
Renovation works for existing Subways KS9, KS32 and KS10	Noise and Air Quality			
Construction of Retaining Wall Type 1 for S14	Noise and Air Quality			
Construction of Pile Cap for S14	Noise and Air Quality			
Demolition of bearing wall of S14	Noise and Air Quality			
Construction works for SMH404 and SMH505	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. Dennis Fung	Permit Holder	3842 7087	<u>dycfung@cedd.go</u> <u>v.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@aurecon</u> group.com
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:

Erect falsework and working platform for	Road and Drain Construction works at Olympic
Decking of Elevated Walkway LW-02	Avenue
RC Construction for Decking of Elevated	Renovation works for Subway KS10 Lift and
Walkway LW-02	Staircase
RC Construction of LW02 Lift and Staircase	Renovation works for existing subways KS9,
RC Construction of LW02 Lift and Starcase	KS32 and KS10
Installation of post tensioning anchorage system	Construction of Retaining Wall Type 1 for S14
at LW-02	
Road and Drain Construction works for Road	Construction of Pile Cap for S14
L16, Commercial Street and Road D1	
Construction works for DCS	Demolition of bearing wall of S14
Modification works for Rising Main chamber	Construction of Permanent Shaft Structure of
WOC1, AVC2 and K1	SB-01
Construction works for	SMH404 and SMH505

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
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 (Oct 2023)	22 Nov 2023

Table 1.3 Summary of Status of Required Submission of EPs

# 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.

Table 2.1 Locations of Air Quality Monitoring Stations

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

#### **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 TSP	- 24 hours	- Once every 6 days

Table 2.2 Air Quality Monitoring Parameters, Frequency and Duration

Air Monitoring Station	Location for Measurement	Parameter	Duration	Frequency
AM3 – Sky Tower	Podium Floor near Tower 7	- 1-hour average TSP	- 1 hour	- Three times every 6 days

- 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 TE-5170 X c/w of TSP sampling inlet		2	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 overege TCD	AM2(A)	302	500
1-hour average TSP	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)	39	32 - 51	175	260
AM3	54	45 - 71	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)	46	32 - 56	302	500
AM3	54	39 - 73	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.

# 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. Land	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.

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

Time Period	Noise Monitoring	<b>Baseline</b> Noise	Action Level	Limit
Time renou	Station	Levels, dB (A)	ACTION LEVEL	Level

0700 – 1900 hrs	M4(A)	69.5	When one	75 dB(A)
on normal weekdays	M5(A)	72.5	documented complaint is received.	/3 dB(A)

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.

Table 3.5 Summary of Noise Monitoring Data during the reporting month

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^
M4(A)	70.8	70.6 - 71.0	When one documented	75
M5(A)	74.2	73.9 - 74.4	complaint is received	dB(A)

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.

### 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.

Air Quality Monitoring Station	ASR No. in EIA report	Maximum 24-h	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 (Nov 2023) µg/m <sup>3</sup>
AM2(A) - Ng Wah Catholic Secondary School	NA	NA	NA	32 - 51
AM3 - Sky Tower	A40^	106^	138^	45 - 71

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

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		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 (Nov 2023) µg/m <sup>3</sup>
AM2(A) - Ng Wah Catholic Secondary School	NA	NA	NA	32 - 56
AM3 - Sky Tower	A40^	217^	247^	39 - 73

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 4.3 Comparison of	<sup>r</sup> Noise Monitoring Data w	vith EIA predictions

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 (Nov 2023) L <sub>Aeq, 30min</sub> , dB(A)
M4(A) – Le Billionnaire	NA	NA	70.6 - 71.0
M5(A) – Prince Ritz	NA	NA	73.9 - 74.4

- 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 2, 10, 16, 23 and 30 November 2023 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
2 Nov 2023	NA	NA	NA
10 Nov 2023	NA	NA	NA
16 Nov 2023	NA	NA	NA
23 Nov 2023	NA	NA	NA
30 Nov 2023	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 2, 10, 16, 23 and 30 November 2023 in the reporting month.
- 6.3 The summaries of site audits are attached in Table 6.1.

Inspectio			Close-out
n Date	Key Observations	Recommendations / Actions	Date /
II Date			Status
2 Nov 2023	Observation: Secondary container shall be provided for the plastic chemicals to prevent soil contamination.	Action Taken: plastic chemical has been removed.	Closed out on 10 Nov 2023
10 Nov 2023	Observation: Stockpiles should be fully covered by impermeable sheeting to reduce dust emission.	Action Taken:         Stockpiles has been removed.	Closed out on 16 Nov 2023

Table 6.1 Summary of site inspections observations during the reporting month

Inspectio n Date	Key Observations	Recommendations / Actions	Close-out Date / Status
16 Nov 2023	Observation: Secondary container shall be provided for the plastic chemicals to prevent soil contamination.	Action taken: plastic chemical has been removed.	Closed out on 23 Nov 2023
23 Nov 2023	Observation: The vehicles should be restricted to maximum speed of 10 km per hour.	Action taken: The vehicles has been restricted to maximum speed of 10 km per hour.	Closed out on 30 Nov 2023
30 Nov 2023	Observation: Stockpiles should be fully covered by impermeable sheeting to reduce dust emission.	Action taken: Stockpiles has been removed.	Closed out on 7 Dec 2023

#### **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 Form	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
Wastewater Discharge Lizense under	WT00037618-2021	29 Mar 2021	31 Mar 2026
Wastewater Discharge License under WPCO	WT00037370-2021	29 Mar 2021	51 Mar 2020
WICO	WT00038562-2021	15 Jul 2021	31 Jul 2026
Construction Noise Permit	GW-RE0624-23	20 Jun 2023	19 Dec 2023

Table 6.2 Summary of Environmental Licenses, Notifications and Permits

#### **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.

There are summary of comprements in the reporting monthly					
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	NA	NA	NA	NA
the reporting month.				

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

6.11 The summaries of cumulative environmental complaint, warning, summon 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:

Tuble 7.1 Summary of juture key issues and potential impact in the coming month	
Future key issues in the coming month	Potential impact
Erect falsework and working platform for Decking of Elevated Walkway LW-02	Noise and Air Quality
RC Construction for Decking of Elevated Walkway LW-02	Noise and Air Quality
RC Construction of LW02 Lift and Staircase	Noise and Air Quality
Installation of post tensioning anchorage system at LW-02	Noise and Air Quality
Construction of Permanent Shaft Structure of SB-01	Noise and Air Quality
Road and drain construction works of Road L16, Commercial Street and Road D1	Noise and Air Quality
Construction of DCS	Noise and Air Quality
Renovation works for Subway KS10 Lift and Staircase	Noise and Air Quality
Road and Drain Construction works at Olympic Avenue	Noise and Air Quality
Renovation works for existing Subways KS9, KS32 and KS10	Noise and Air Quality
Construction of Retaining Wall Type 1 for S14	Noise and Air Quality
Construction of Pile Cap for S14	Noise and Air Quality
Demolition of bearing wall of S14	Noise and Air Quality
Construction works for SMH404 and SMH505	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

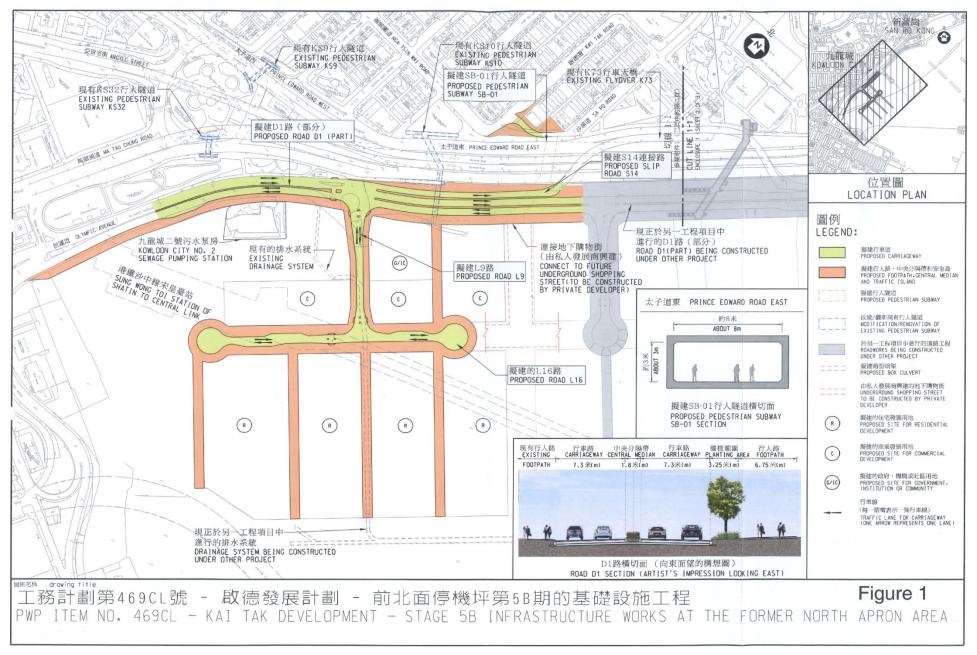


Figure 1 – Proposed works of Contract No. ED/2018/05

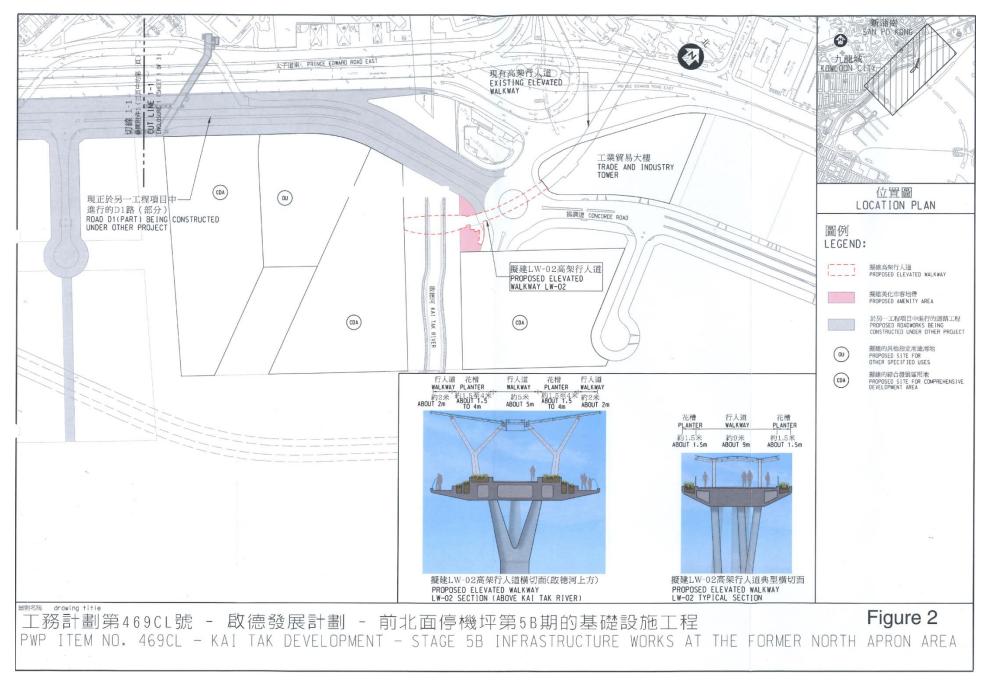


Figure 2 – Proposed works of Contract No. ED/2018/05

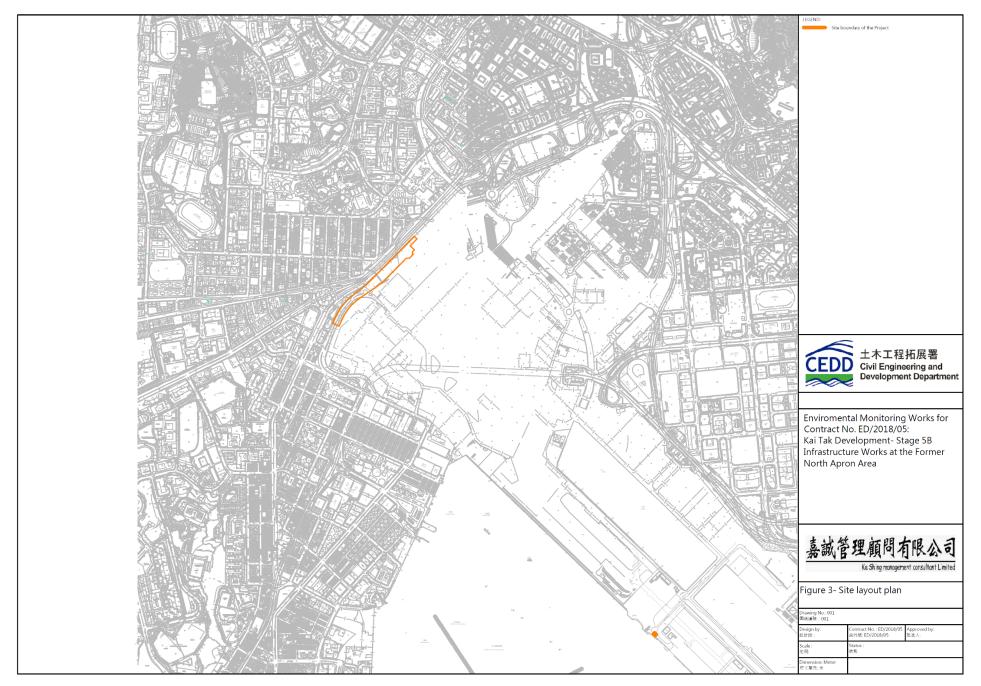


Figure 3 – D1 Road Site Layout Plan

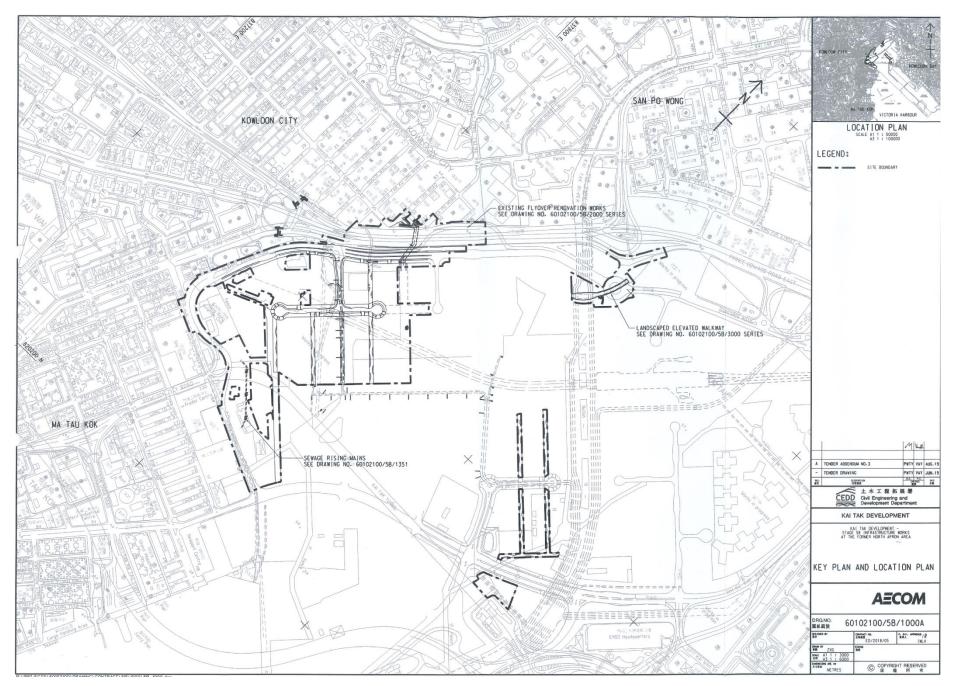


Figure 4 – Site Layout Plan

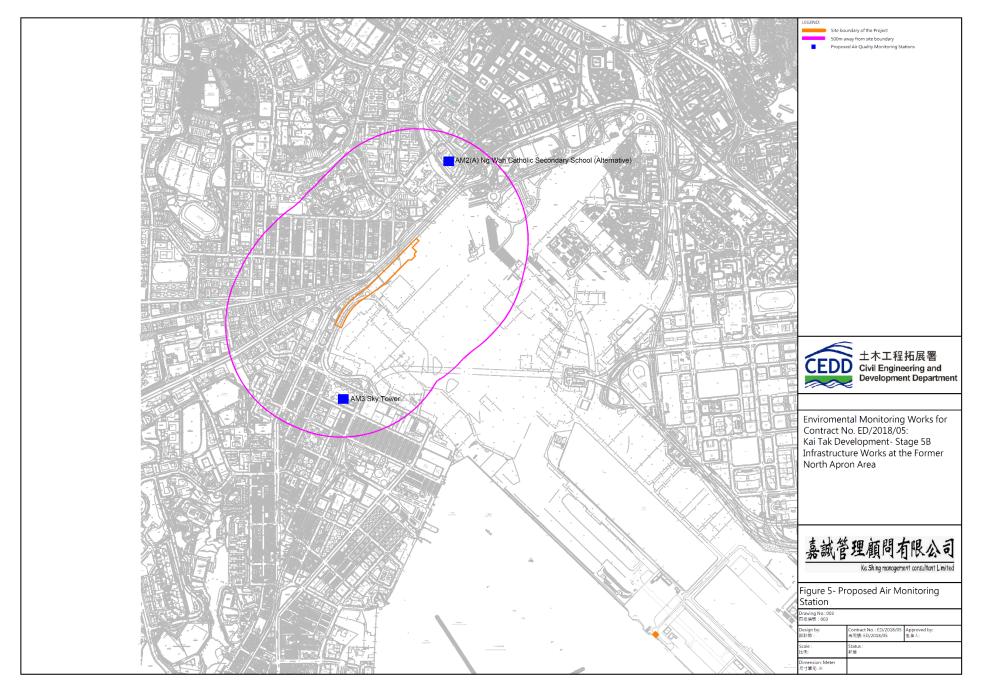


Figure 5 – Air Quality Monitoring Stations

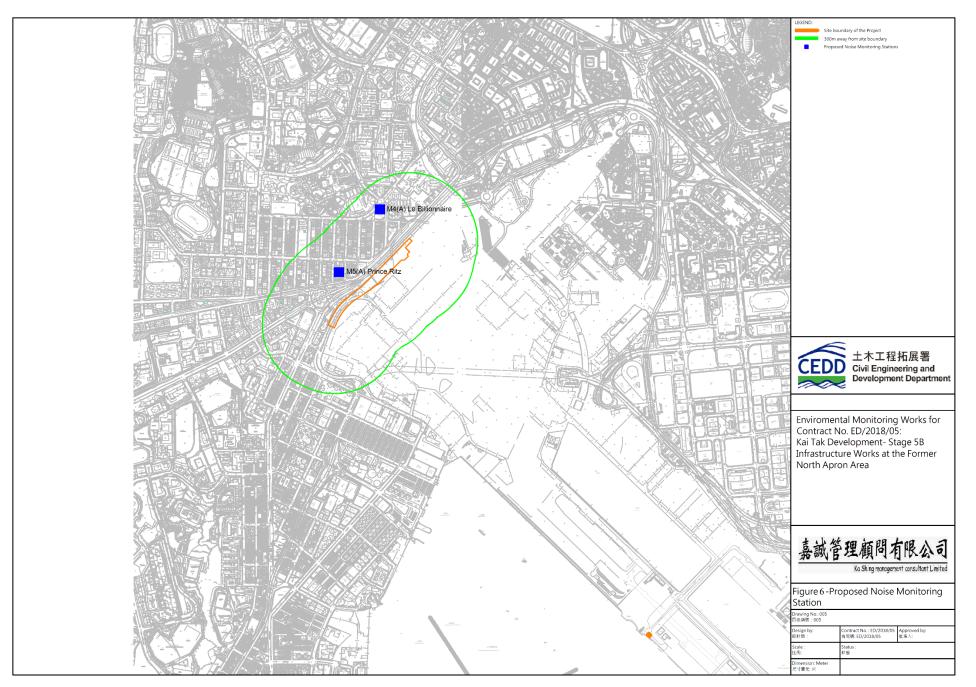
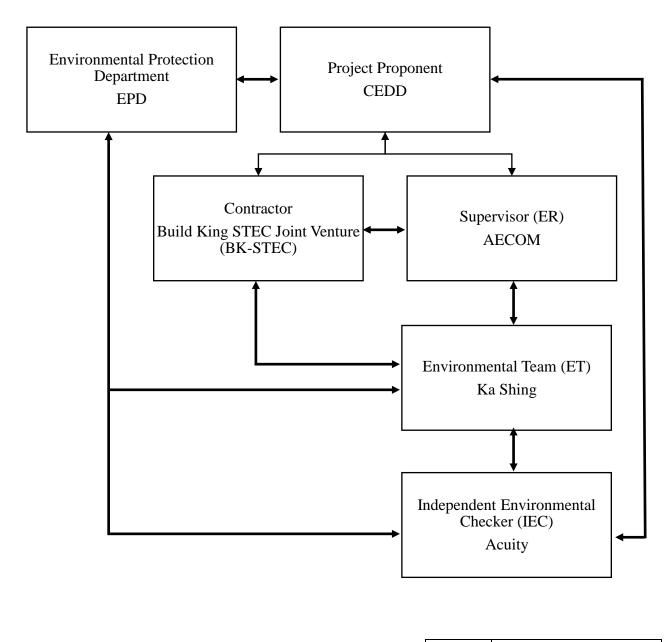
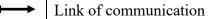


Figure 6 – Noise Monitoring Stations

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





# **Appendix B – Construction Programme**

						~ <b>V</b>	/P Re	v-39														
- <u> </u>	Activity Name	Duration	Early Start		Late Start	Late Finish	Total Float	Calendar			2021		2022	T	202			2024		2025		2026
REV37 (first commer	to)	(d) 1762	22-Jul-20	Finish	22. M. 20	20 Jun 20	C haugh in Million	All and the second	JASOND	JFMA	MJJASOI	NDJFM	AMJJA	SONDJ	FMAMJJ	ASON	DJFMAI	MJJAS	ONDJF	MAMJJA	SONDJFMA	MJJA
Y DATES					22-Jul-20		U					i										
TD.KD.1000	Contract date	2170		30-30n-26		30-Jun-26	0	2														
(TD.KD.1010	Contract starting date	0	22-Jul-20 31-Jul-20		22-Jul-20 31-Jul-20		0	2	1													
(TD.KD.1020	Contract completion date	0	01 Gar20	30-Jun-26	and the second second second	30-Jun-26	0	2														
CESS DATES		1429	31-Jui-20	29-Jun-24	31-Jul-20	29-Jun-24	0	2										-				Ť
(TD.KD.1030	Parts 1, 1A, 1B, 2, 3, 4, 7, 8 and 9	D	31-Jul-20		31-Jul-20		0	2	<b>●</b>													
(TD.KD.1040	Part 5	D	30-Jun-22		30-Jun-22		0	2					•	4								
(TD.KD.1050 (TD.KD.1060	Part 6 Part 6A	D	29-Jun-24		29-Jun-24		0	2									1	•				
TD.KD.1070	Works Areas WA1, WA2, WA3, WA4, WA5, WA6 and WA7	0	30-Jun-21		30-Jun-21		0	2														
(TD.KD.1080	Part 10 and Works Area WA4A	0	31-Jul-20 29-Jan-21		31-Jul-20 29-Jan-21	and a concerning and an a concerning and	0	2	-													
(TD.KD.1090	Works Area WA8	0	31-Jul-22	1	31-Jul-22	al and a support	0	2		·····												
NTRACT SECTIONAL	COMPLETION DATES	1826	30-Jun-21	30-Jun-26		Searce in summer	0	2			Versee	and the second second								THE DESCRIPTION	and the second second second second	Street, or
(TD.KD.1100	Section 1:Compl of all works within Parts 1 and 8 and Elevated Landscaped Walkway LW-02	0	· · · · · · · · · · · · · · · · · · ·	26-Sep-23	1	26-Sep-23	0	2														
TD.KD.1110	Section 2:Compl of all works within Parts 1B, 6A and 7 and remaining works of all Parts	D		31-Dec-24	-	30-Jun-26	546	2		7									\$			
TD.KD.1120	Section 3:Compl of all works within Parts 1A and 5 and drainage and sewage works within Part 6	0		27-Dec-23	and mar war and a second	27-Dec-23	0	2									•		·····			
TD.KD.1130 TD.KD.1140	Section 4:Complied all UU and services within Part 4	0		30-Jun-21		30-Jun-21	0	2	ļ		۲											
TD.KD.1150	Section 5:Compl of all UU and services within Part 3, rising mains diversion & demolition of ext. structures Section 6:Compl of all works within Part 2 and Part 10	0		17-Dec-21		17-Dec-21	0	2				۲										
TD.KD.1160	Section 7:Compl of all works within Part 2 and Part 10 Section 7:Compl of all works within Part 3 (Subj to excision within 416days from starting date)	D	ļ	29-Mar-22 25-Feb-24		29-Mar-22 25-Feb-24	0	2	<b></b>				¥									
D.KD.1170	Section 8:Compl of all Box Culvert B1 within Parts 1 and 3 and diversion and abandon works	D	1	29-Jul-21	1	29-Jul-21	0	2			٩											
D.KD.1180	Section 9:Compl of DCS works within Parts 1 and 1A (Sub) to excision within 239days from starting date)	0		25-Sep-23	1	26-Sep-23	0	2	-							\$	· {·····					
D.KD.1190	Section 10:Compl of establ work for all landscape works(except Sections 14, 15 and 16)	0		26-Dec-24	about the second second second	26-Dec-24	0	2											۲			
D.KD.1200 D.KD.1210	Section 11:Compl of all works within Part 4 (Subj to excision within 244days from starting date)	0		25-Feb-24	mp	25-Feb-24	0	2					1				\$					····-
D.KD.1220	Section 12:Compl of all SB-01 within Part 1A Section 13:Compl of all works within Part 6	0		25-Sep-24		25-Sep-24	0	2										•				
D.KD.1230	Section 14:Compl of estab work for landscape works within Part 3 (Subj to excision within 416days from starting	0		31-Dec-24 24-Feb-25	man an mann a	30-Jun-26 24-Feb-25	546 0	2											*			
D.KD.1240	Section 15:Compl of estab work for landscape works within Part 4 (Subj to excision within 244days from starting	0		24-Feb-25		24-Feb-25	0	2											•			
D.KD.1250	Section 16:Compl of establ work for landscape works within Part 6	0		30-Jun-26	Andrew and a second	30-Jun-26	0	2														\$
D.KD.1260	Section 17:Compl of establ work for landscape works under Section 1	0		25-Sep-24		25-Sep-24	0	2														····
A second s	PERMIT APPLICATION & APPROVAL	240	22-Jul-20	18-Mar-21	04-Oct-20	30-Jun-26	1930	2		an a												
D.KD.1270	Prepare/submission of temporary works design	30	22-Jul-20	20-Aug-20	04-Oct-20	02-Nov-20	74	2														····-
ID.KD.1280 ID.KD.1290	Consultation/approval of temporary works design	60	21-Aug-20	· ····		01-Jan-21	74	2														
D.KD. 1290 D.KD. 1300	Prepare/submit Temp Geotechnical&Structural Works to HyD/TD/CEDD/GEO and others (ind SB-01 by RTBM, ¢ Consult/approve Temp Geotechnical&Structural Works by HyD/TD/CEDD/GEO and others (ind SB-01 by RTBM,	30	22-Jul-20	de la compañía de la	and a second second second second	02-Dec-25	1930	2										4				
D.KD.1310	Prepare/submission of Temporary Drainage and Sewerage Management Plan to DSD/CEDD and others	120 30	21-Aug-20			and an and a second second	1930	2														
D.KD.1320	Consultation/approval of Temporary Drahage and Sewerage Management Plan by DSD/CEDD and others	50 60	22-Jul-20 21-Aug-20	20-Aug-20 19-Oct-20		-	2080 2080	2														
D.KD.1330	Application/approval of CNP for night works by relevant authorities and liaison with projects nearby	90	19-Dec-20			Arrest secondaria marganes a	1930	2									·{····					
D.KD.1340	Application/approval of permits or other statutory submissions by relevant authorities (i.e. CEDD, HyD, WSD, XPM	180	31-Jul-20	26-Jan-21	02-Jan-26	A starting of the second	1981	2														
PORARY TRAFFIC M	ANGEMENT	240	31-Jul-20	27-Mar-21	18-Sep-20	30-Jun-26	1921	Z		a second												
D.KD.1370	Prepare/Submit/Consult/Approval of TTA for loading/unloading at Sa Po Road and Concorde Road roundabout	60	derivation and second and a second	The second start	20-Aug-21	a la succession a succession and the succession of	385	2	7.50000			1										
D.KD.1380 D.KD.1390	Prepare/Submit/Consult/Approval of TTA for working platform erection crossing Concorde Road roundabout	90	The frank name and a set	for a set and the set of the set	25-Jun-22		634	2	an anna													
D.KD.1400	Prepare/Submit/Consult/Approval of TTA for Gl/diversion/preliminary works at PERE and Sa Po Road Prepare/Submit/Consult/Approval of TTA for 2-staged Sa Po Road and PERE WB diversion	90 90	31-Jul-20	X D D D D D D D D D D D D D D D D D D D		31-Jan-26	1921	2														
D.KD.1410	Prepare/Submit/Consult/Approval of TTA for road and drahage works along Olympic Avenue	120			03-Dec-25 03-Mar-26		1921 1921	2	CONCUTRATION OF													
D.KD.2180	1st TMLG Meeting	0	2.04 (07-20	18-Sep-20	Still and a start in a tomore	18-Sep-20	0	2														
D.KD.2220	2nd TMLG Meeting	0		19-Nov-20		19-Nov-20	0	2	•													
D.KD.2230	3rd TMLG Meeting	0		15-Jan-21		14-Jan-21	D	2		<u>ه</u>					•••••		++					····
D.KD.2240	4th TMLG Meeting	0		23-Mar-21	1	23-War-21	0	2		•												
And the second sec	I AND SAFETY MANAGEMENT	1901	.22-2460	26 Jun-25		26 Jun 25	0	5			1			; ;	i i							
0.KD.1420 0.KD.1430	Prepare/submit of Draft Safety Plan	13			23-Jul-20		1	2														
0.KD.1440	Prepare/submit Safety Plan Conduct meeting to discuss Draft Safety Plan	21 0	04-Aug-20		05-Aug-20	I manufacture and an	1	2														
.KD.1450	Prepare/submit Site Traffic Safety Management Plan	41	22-Jul-20	03-Aug-20 31-Aug-20	23-Jul-20	03-Aug-20 01-Sep-20	1	2 2									+ +					
.KD.1460	Prepare/submit Construction Health and Safety Plan	29	to your county on page - p		23-Jul-20	20-Aug-20	1	<u>د</u> 2														
NKD.1470	1st SSMC Meeting	1			26-Aug-20		0	2									· <del>  · · · · ·  </del> · · ·					
KD.1480	2nd SSMC Meeting	1	strates in the second of a	Survey and the second second second second	23-Sep-20	- cu anno anno anno a	O	2		8												
.KD.1490 .KD.1500	3rd SSMC Meeting 4th SSMC Meeting	1		29-Oct-20	the a manual	Se una merena ana al	0	2			·····						1			1		
KD.1510	4th SSMC Meeting 5th SSMC Meeting	1			26-Nov-20	menter a se	0 1	2	l													
KD.1520	6th SSMC Meeting		31-Dec-20 28-Jan-21		31-Dec-20 28-Jan-21	the second second second	0	2				4										
KD.1530	7th SSMC Meeting	4	she of the second restriction of	a mar a mar a mar	25-Feb-21	25-Feb-21	0	2														
KD.1540	8th SSMC Meeting	1	24-Mar-21	- independ the lot man a	and an an a second s	24-Mar-21	0	2		1							9					
KD.1550	9th SSMC Meeting	1	S MONTH & ANNOUNCE	29-Apr-21	29-Apr-21	29-Apr-21	D	2		°												
KD.1560	10th SSMC Meeting	where the set of the set	27-May-21	Therefore and that have an imposed	for an and the second second second		0	2			[											
KD.1570 KD.1580	11th SSMC Meeting 12th SSMC Meeting	1	·····		24-Jun-21	The second secon	0	2												1		
KD.1590	12th SSMC Meeting	1	stream and an and a stream of the	29-Jul-21	A	29-Jul-21	0	2	<b></b>											1		
KD.1600	14th SSMC Meeting	a sala an anna an anna an	26-Aug-21		26-Aug-21 30-Sep-21	26-Aug-21 30-Sep-21	0	2														
D.KD.1610	15th SSMC Meeting	No	A THREE A CONTRACTOR		28-Oct-21	and the second second	0	2												···		
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Project Baseline I	Bar 🔶 🌢 Milestone 🛛 🖌 Kai 1	ak Dev	elonm	enf - C	tana 50	3 Infract			s at the F	0 K	North A.				1	Date			Revision		Checked	An
Remaining Work	i turi i		erohiti	GIIL * O	aye JE					umer	моптп Ар	oron Ar	ea		1	3-Oct-23	First Dr					
Critical Remaining						WORK			ME												L	
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2	Activity Name	Duration	Early Star		Late Star	Late Finish	Total Flo	at Calenda	- 320	2021		202	2		2023
KTD.KD.1620	16th SSMC Meeting	(d)	25-Nov-21	Finish 25-Nov-21	25-Nov-21	25-Nov-21	0	2	JASONI	JFMAMJJAS	ONDJI	FMAMJ	JASON	NDJFM	AMJJ
KTD.KD.1630	17th SSMC Meeting	1 1	30-Dec-21			· Er mon mannen .	0	2		+	l				•••••
KTD.KD.1640	18th SSMC Meeting	1	27-Jan-22	27-Jan-22	and a second second		0	2			1				
KTD.KD.1650	19th SSMC Meeting	1	24-Feb-22	24-Feb-22	24-Feb-22	24-Feb-22	0	2			· · · · · · · · · · · · · · · · · · ·	1	L		
KTD.KD.1660	20th SSMC Meeting	1		31-Mar-22		31-Mar-22	0	2							
KTD.KD.1670 KTD.KD.1680	21st SSMC Meeting 22nd SSMC Meeting	1	28-Apr-22		a fa a a ma inana a	A man in so and	0	2							
KTD.KD.1690	23rd SSMC Meeting			26-May-22	m man a sur ann a		0	2							
KTD.KD.1700	24th SSMC Meeting		28-Jul-22		30-Jun-22 28-Jul-22		0	2							
KTD.KD.1710	25th SSMC Meeting	1		25-Aug-22		25-Aug-22	0	2					.l.,		
KTD.KD.1720	26th SSMC Meeting	1	· · ··································	29-Sep-22		· ····································	0	2	-				i		
KTD.KD.1730	27th SSMC Meeting	1	27-Oct-22	27-Oct-22	27-Oct-22	27-Oct-22	0	2			1	·	·····		
KTD.KD.1740	28th SSMC Meeting	1	24-Nov-22		- La - manana ana a		0	2						1	_
KTD.KD.1750 KTD.KD.1760	29th SSMC Meeting	1	29-Dec-22			29-Dec-22	0	2	-						
KTD.KD.1770	30th SSMC Meeting 31st SSMC Meeting	1	26-Jan-23		·	and a manage and the second	0	2			ļ				
KTD.KD.1780	32nd SSMC Meeting		23-Feb-23 30-Mar-23			23-Feb-23 30-Mar-23	0	2	~~~						
KTD.KD.1790	33rd SSMC Meeting	1	27-Apr-23				0	2		······	·	·			•
KTD.KD.1800	34th SSMC Meeting	1	a ; a ana	25-May-23		and margine marginesses	0	2							
KTD.KD.1810	35th SSMC Meeting	1	29-Jun-23	29-Jun-23	- de a construir	· farmer an anna anna a	0	2			·				!
KTD.KD.1820	36th SSMC Meeting	1	27-Jul-23	27-Jul-23			0	2							
KTD.KD.1830	37th SSMC Meeting	1		31-Aug-23	31-Aug-23	31-Aug-23	0	2			1				
KTD.KD.1840 KTD.KD.1850	38th SSMC Meeting	1	28-Sep-23	minune une se me un	ut man minimum	28-Sep-23	0	2							
KTD.KD.1860	39th SSMC Meeting 40th SSMC Meeting	1	26-Oct-23	and an annual on some	- frances	·	0	2							
KTD.KD.1870	41st SSMC Meeting	1	30-Nov-23	man an mount of			0	2							
KTD.KD.1880	42nd SSMC Meeting	1	28-Dec-23 25-Jan-24		the second succession	·	0	2							
KTD.KD.1890	43rd SSMC Meeting	1	29-Feb-24			29-Feb-24	0	2			·				
KTD.KD.1900	44th SSMC Meeting	1	28-Mar-24			28-Mar-24	0	2	-						
KTD.KD.1910	45th SSMC Meeting	1	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							
KTD.KD.1930	47th SSMC Meeting	1	27-Jun-24	27-Jun-24		27-Jun-24	D	2							
KTD.KD.1940	48th SSMC Meeting	1	25-Jul-24	25-Jul-24		· · · · · · · · · · · · · · · · · · ·	0	2							
KTD.KD.1950 KTD.KD.1960	49th SSMC Meeting 50th SSMC Meeting	1	29-Aug-24			29-Aug-24	0	2							
KTD.KD.1970	51st SSMC Meeting	1	26-Sep-24 31-Oct-24	26-Sep-24	and another management	1 · · · · · · · · · · · · · · · · · · ·	0	2							
KTD.KD.1980	52nd SSMC Meeting		28-Nov-24		····		0	2							
KTD.KD.1990	53rd SSMC Meeting	1	26-Dec-24			who was a sum a surrow of	0	2			<u> </u>				
KTD.KD.2000	54th SSMC Meeting	1	30-Jan-25				0	2	~~						
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	with some some processing po		0	2						1	
KTD.KD.2040 KTD.KD.2050	58th SSMC Meeting 59th SSMC Meeting	1	29-May-25	for man in , ran we	man and a second		0	2		ļ	ļ				
M RELATED DELIVER		1615		26-Jun-25	28-Jun-25 01-Auro-20		0 546	2			i				
KTD.KD.2060	Prepara/submit BIM Execution Plan	in another					040	2 		ļ	ļ				
KTD.KD.2070	Prepare/submit Combined Services Drawings and CBWD generated from BM	29 44	31-Jul-20	12-Sep-20	with marine and answer	29-Aug-20	1	2	8008						
KTD.KD.2080	Prepare/submit proposal of asset information requirement	364	31-Jul-20	29-Jui-21	the - manufactory of the parameter	here we a management	4	2			}				
KTD.KD.2090	Prepare/submit Asset Data Deliverables for Section 1	60	29-Jul-23	26-Sep-23	an , and an amount of account		1008	2	- Case and they do not	darre a primeraryanya 2022					
KTD.KD.2100	Prepare/submit Asset Data Deliverables for Section 2	60	02-Nov-24	for an and and and and and	month and an annual and	for we wanter assume	546	2							
KTD.KD.2110	Prepare/submit Asset Date Deliverables for Section 3	60	29-Oct-23	27-Dec-23	02-May-25	30-Jun-28	916	2				5			
KTD.KD.2120	Prepare/submit Asset Date Deliverables for Saction 4	60	02-May-21	30-Jun-21	02-May-26	30-Jun-26	1826	2		107.000.07					
KTD.KD.2130	Prepare/submit Asset Date Delive rables for Section 5	60	19-Oct-21	17-Dec-21		to manufacture many manufactures	1656	2							
KTD.KD.2140 KTD.KD.2150	Prepare/submit Asset Date Deliverables for Section 5	60	29-Jan-22	29-Mar-22		a farmana and and and	1554	2							
KTD.KD.2160	Prepare/submit Asset Date Deliverables for Section 7 Prepare/submit Asset Date Deliverables for Section 8	60 60	28-Dec-23	25-Feb-24	a farman a surre a	for an assessment and the second second	856	2		<u> </u>					
KTD.KD.2170	Prepare/submit Asset Date Deliverables for Section 9	60	31-May-21 29-Jul-23	29-Jul-21 26-Sep-23	02-May-26 02-May-26	Commences and a second	1797 1008	2							
KTD.KD.2190	Prepare/submit Asset Date Deliverables for Section 11	60	28-Dac-23	25-Feb-24			856	2							8
KTD.KD.2200	Prepare/submit Asset Date Deliverables for Section 12	60	28-Jui-24	25-Sep-24	An or a man		643	2							
(TD.KD.2210	Prepare/submit Asset Date Delive rables for Section 13	60	02-Nov-24	31-Dec-24		- + H.S. within the second	546	2			;				
UE-ENGINEERING SI	HCEME DROP-OFF SCHEDULE	832	31-Jul-20	09-Nov 22	21. (0520)	09-Nov-22	Û	2	New York Constrained		<b>A N</b>				
(TD.VE.1000	Review/prepare/submit VE scheme for permanent concrete segment for Pedestrian Subway SB-01	485	31-Jul-20	30-Nov-21	31-Jul-20	30-Nov-21	0	2							·····}
KTD.VE.1010	Review/prepare/submit VE scheme for alternative alignment for Pedestrian Subway SB-01	488	31-Jui-20	30-Nov-21		30-Nov-21	D	2							
KTD.VE.1020 KTD.VE.1030	Review/prepare/submit VE scheme for pliing arrangement for new pler of existing Bridge K73	671	31-Jul-20	01-Jun-22			C	2							
KTD.VE.1030	Review/prepare/submit VE scheme for piling arrangement for abutment of Slip Road S14 Review/prepare/submit VE scheme for piling arrangement for lift shaft and staircase of LW-02	832 631	31-Jul-20	09-Nov-22	vi . a	09-Nov-22	0	2							
VIL AND STRUCTURAL		1321	31-Jul-20 22-Jul-20	22-Apr-22 31-Dec-24		22-Apr-22 30-Jun-26	0 441	2							
GENERALAND PRELIMINA		1313		a constant of a											
KTD.GW.1000	General and preliminary works (inclu site formation, site set-up, access, temp drain. sys, ground investigation ar		31-Jul-20	31-Dec-24			441								
KTD.GW.1010	Construction, maintenance and removal of ICA, EVA, Crowd Dispersal Route and other temporary access	1200 1313	31-Jul-20 31-Jul-20	15-Aug-24 31-Dec-24	15-Jun-21 22-Jan-21	Anno maria anno 1	257 144	1					<b>GANNYN</b>	Acidete.	
KTD.GW.1020	Prepare/submit site arrangement plan (inclu hoarding, project sign board and security arrangement)	1313	31-Jul-20	12-Aug-20			1 1	2				- A CONTRACTOR			-
KTD.GW.1030	Design/submit/approval site layout plan and Contractor's site accommodation using MIC method	44	13-Aug-20	to a manufacture .		26-Sep-20	1	2							
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Control         Control <t< th=""><th></th><th>Activity Name</th><th>Duration (d)</th><th>Early Star</th><th>t Early Finish</th><th>Late Start</th><th>Late Finish</th><th>Total Float</th><th>Calendar</th><th></th><th>202'</th><th></th><th></th><th>2022</th><th>MD debiate</th><th>2023</th></t<>		Activity Name	Duration (d)	Early Star	t Early Finish	Late Start	Late Finish	Total Float	Calendar		202'			2022	MD debiate	2023
				26-Sep-20		27-Mar-26	30-Jun-26	1629	1			T. J. A. A. I. A. D.		1-1-1-1-0		<u> </u>
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100.88.26:30       Non-10       Non-70       Non-70<	KTD.SB.SUBM.1020	Consult/obtain approval of ELS Design for Launching Shaft @Kai Tak Area by AECOM	45		and											
International Section 2.1 Decks - Back and gine in a status         (1)	KTD.SB.SUBM.1030	Prepare ELS Design for Retreiving Shaft @Sa Po Road	60	28-Feb-21	·····		- man management a sola	176								
	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	22-Oct-21	20-Nov-21	176	2		1000 C				0	-
			187	maniputer and	mfamme manual		26-May-22	176	2							
			90	10-Jan-21	09-Apr-21	21-Sep-21	19-Dec-21	254	2							
				10-Apr-21	29-Oct-21	20-Dec-21	10-Jul-22	254	2	]						
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NDBB PFI 100       Ownlow RTM methodsmap undrag and darmer 18 M.       1/0       00 Mage 17 Mark 100 Mage 10 Mark 100 Mark 100 Mark 100 Mage 10 Mark 100 Mark 1	KTD.SB.PDF.1011	Conduct FAT for RTBM and assoicated equipment	1			in a summer	I want the second of a	- a me and a when								
OTCODE         Produce of and methods that work of a second sequent         IP	KTD.SB.PDF.1020	Complete RTBM manufacturing, packing and deliver to HK	70			- her manage and					++		<u> </u>			
CHUBS P07100       Processor and an association given to see a standard segment       P17       P124/2012       P124/2012       P134       P124/2012       <	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							Ľ.
NTUGE MP: NOD         America state rough an entry ged         In	KTD.SB.PDF.1040	Procurement and manufacture steel mould and associated equipment	67	13-Nov-21	18-Jan-22	18-Dec-21	22-Feb-22	35	2				1			
Intelline Provide         Design building on gardy and associated advanced.         Design building of the provide set of th		Deliver steel mould and associated equipment to HK	28	19-Jan-22	15-Feb-22	23-Feb-22	22-Mar-22	35	2			. in dening				
NTUBDP 1000         Percentral and manufacture garty and associated equipment         14         11 Sample 1         02-002         15 and 2         25 and 2         15 and 2			10	16-Feb-22	26-Feb-22	23-Mar-22	02-Apr-22	30	1							
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KTD3B PDF:140       Constructors that where you this first prevail agrant construction       14       8-8-922       534x22       204-922       204-923       2			26		11 1 10 10 10 10 10 10 10 10 10 10 10 10	· · · · · · · · · · · · · · · · · ·	for a contract of the second second							1		
KTD38 PDF:1190       Submittageound to CMP far working on Standay and Yolking (not standay and Yolking)       160       100-00       100-00       22,44922       23,64923       23       2         KTD38 PDF:1190       Conduct down and specific light (not, ling) (not						alara ana ana marao a	de manuel in manuel i	anan are reason in	4		-+					
KTD 38       Construct years segments (40no. 3day/urt, Working on Sundary & Holdary)       160       15 Marc 22       22 Adap 22       29 Adap 22       99       2         PEDESTRIAN SUBWAY S8-01 AT KA TAK AREA       V160       2204502       2204502       2256020       220       20         RTD38.1000       Liabonizoedirals with hilly and service underlakings on diversion works (including CLP, DCS wink and etc.)       160       224,402       174,80-21       122       1         KTD38.1001       Conduct seeming people service away for PEEE (Nght Ims, service) and forming working area       60       604,40-21       224,40-21       14,40-21       212       1         KTD38.1000       Fernate working area and inelial potention to 132V and Reamy Main       161       224/adv21       24/adv21       24/adv21       4       1         KTD38.1050       Fernate working people right (stream) main and final potention to 132V and Reamy Main       162       22/adv21       24/adv21       1/4/agv21       4       1         KTD38.1050       Compad and final break people (RSV Lines BA, AF, FE, DE, DC, 30nH (1710m2, Team B)       52       25/adv21       1/4/agv21       50/adv21       2       1         KTD38.1050       Instal steepipe (RSV Lines BA, AF, FE, DE, DC, 30nH (1710m2, Team B)       54       28/adv21       16/adv21       2       1 <t< td=""><td></td><td>And the second on the second second</td><td></td><td></td><td>A warmen warmen</td><td></td><td>Same and and a second</td><td></td><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		And the second on the second			A warmen warmen		Same and and a second		2							
PEDESTRANT SUBWAY SB-01 AT KAI TAK AREA         1016         22.3400         3058/223         0548/23         22.8           KTD 58.1000         Liskovizontinate with utility and servic undertakings on diversion works (holding QF, PCS) work and (bc).         180         22.4420         17.48-71         054.0920         29.40-21         12         2           KTD 58.1020         Excose and demolits existing foundation caps and locating oxiding plate (ff tem) and formating working area         66         66.48-71         29.44/21         14.49/21         4         1           KTD 58.1020         Excose and demolits existing foundation caps and locating oxiding plate (ff ros. using DK250 X.27 no.s. Lsem)         52         22.44/21         14.44/21         4         1           KTD 58.1020         Ornduct alteration of axiding that ord develop area for a using DK250 X.27 no.s. Lsem)         52         22.44/21         24.44/21         4         1           KTD 58.1020         Ornduct alteration of axiding that ord develop and hotel instrumentation         56         25.44/21         12.44/221         30.44/21         34.44/21         1           KTD 58.1020         Ornduct alteration of axiding that and batelin fast-mentation         56         25.44/21         12.44/221         10.44/221         21.44/21         14.42/21         1           KTD 58.1020         Instal Ametepic (FF V Lines	KTD.SB.PDF.1160	And a state balance descent of the second of the second state and t			a Vintesta brianiana inc. 2 mil								210223			
KTD 58. 1010       Conduct selsmic gaophysical survey for PERE (Mght time, lamebysien, 11 night shift) and Kai TakAwa (Day tri       15       O44bor/20       20.0bvv20       26.0.121       11.4up21       212       1         KTD 58. 1020       Expose and commole sedering containing selding piles (1 team) and formating working area       60       06-lan.21       23-Marc21       11.4up21       4       1         KTD 58. 1000       Formate working area install potention 152X viral feage Main       16       22-Marc21       24-Marc21       24-Marc21       4       1         KTD 58. 1000       Remove studing piles (27 nos. 1 team)       52       22-Marc21       24-Marc21       24-Marc21       4       1         KTD 58. 1000       Conclud develop in addition and indult instrumentation       56       25-Marc1       54-Marc1       34-Marc21       4       1         KTD 58. 1000       Conclud develop in addition and indult instrumentation       56       25-Marc1       54-Marc1       14-Marc21       2       1         KTD 58. 1000       Conclud develop in addition ad indult instrumentation       56       25-Marc1       14-Marc21       2       1       1         KTD 58. 1000       Conclud evelop in addition ad indult instrumentation       56       22-Marc21       14-Marc21       2       1       1	PEDESTRIAN SUBWAY SE	B-01 AT KAI TAK AREA	1016	22-Jul-20	20-Dec-23		25-Sep-24	CONTRACTOR OF MAN			+		(1000			-
KTD38.0100       Conduct serving polyheid survey for PERE (byte time, sine-byten, 11 note table) and formating working area       16       044word       204ubr/20       124u2/21       114u2/21       14       1         KTD38.1000       Eproves and domobile working based in stall polacition to 132kV and Reang Main       18       274urcl 2       14/u2/21       114u2/21       4       1         KTD38.1000       Remove working base and install polacition to 132kV and Reang Main       18       274urcl 2       14/u2/21       14/u2/21       4       1         KTD38.1000       Remove working base (Gr noe, sing DK2500 x27 nos, 1 sem)       52       22/har/21       24/har/21       14/u2/21       4       1         KTD38.1000       Conduct developing of obsting 11/kV cables by CLP       52       22/har/21       24/u2/21       04/u2/21       04/u2/21       2       1         KTD38.1000       Conduct developing (PSP V, meaning at Line BA and CD and Line BC, 30mk1 1160m2, Team B)       36       22/har/21       10/d2/21       12/har/21       2       1         KTD38.1000       Ground improvement works for meaking gout box (Verting and post corng tests       50       06/04/21       10/d2/k21       12/har/21       2       1         KTD38.1000       Ground improvement works for meaking gout box (Verting and post corng tests       50       06/04/21 </td <td>KTD.SB.1000</td> <td>Liaison/coordinate with utility and service undertakings on diversion works (Including CLP, DCS work and etc.)</td> <td>180</td> <td>22-Jul-20</td> <td>17-Jan-21</td> <td>03-Aug-20</td> <td>29-Jan-21</td> <td>12</td> <td>2</td> <td></td> <td>🛓 🕴 🛉</td> <td></td> <td></td> <td>·</td> <td></td> <td></td>	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	03-Aug-20	29-Jan-21	12	2		🛓 🕴 🛉			·		
KTDSB 1000       Formate working pases act heads protection to 128/V and Reang Mein       18       27.4/ar.21       21.4/ar.21       01.4/pr.21       28.4/ar.21       24.4/ar.21       27.4/ar.21       24.4/ar.21       24.4/ar.21       24.4/ar.21       24.4/ar.21       24.4/ar.21       24.4/ar.21       24.4/ar.21       24.4/ar.21       24.1/ar.21       24.1/ar.21       24.1/ar.21	*	Conduct seismic geophysical survey for PERE (Night time, lane-by-lane, 11 night shift) and Kal Tak Area (Day tir						manager and the								
KTDS8 1030       Formate working area and install protection to 132W and Raing Main       18       Z74/mc72       214/mc72       104/mc72       254/mc72       4       1         KTDS8 1050       Compose skilling predictions of existing haul road diversion and Install Instrumentation       55       254/mc72       24/unc72       24/mc72       24/	The second second second second because the second se	The second control of	A - and the standard of the second	06-Jan-21	26-Mar-21		31-Mar-21	4	1				1	·		
KTD.SB.1050       Compact and formate the pile removal area for existing haul road diversion and install instrumeniation       36       22-bun 2       0.0-kup 2       20-bun 2       1	The second the best of the second sec	No and an experimental states and the states and the states and the states of the states of the states and the	A service of a bit of	27-Mar-21	21-Apr-21	01-Apr-21	26-Apr-21	4	1							
KTDS5/1660         Oonduct diversion of existing 11kV cables by CLP         52         28 Aun-21         27 Aug-21         30 Aug-21         2         1           KTDS5.1070         Install sheetpile (FBV V, Lines BA, AF, FE, DC, C3, 30mH, 170m2, Team A)         50         16 Aug-21         05 Oct 21         11 Aug-21         2         1           KTDS5.1075         Install sheetpile (FBV V, Lines BA, AF, FE, DC, C3, 30mH, 170m2, Team A)         50         05 Oct 21         11 Aug-21         2         1           KTDS5.1075         Install sheetpile (FBV V, Lines BA, AF, FE, DC, C3, 30mH, 170m2, Team B)         34         28 Aug-21         05 Oct 21         11 Aug-21         2         1           KTDS5.1080         Gound improvement vorts for breaken grout box (Vertical and post comg tests         50         05 Oct 21         18 Obsc/21         20 Oct 21         2         1           KTDS5.1010         Install Stutt 1 and Excavate (Stut 10g+50 mPD to Stut 20g+0 nmPD, 1500m3 exca)         17         19 Oct 21         05 Ave-21         10 Ave-21         2         1           KTDS5.1100         Install Stut 2 and Excavate (Stut 20g-25 mPD, 1300m3 exca)         20         01 Ave-21         10 Ave-21         02 Ave-21         2         1           KTDS5.1130         Install Stut 4 and Excavate (Stut 40g-2 SmPD to Stut 40g-2 SmPD, 1300m3 exca)         20         20	· · · · · · · · · · · · · · · · · · ·		COLOR COMPANY CON			man and and an an announ	29-Jun-21	4	1							1
KTD SB 1070       Install sheetple (FSP V, Lines BA, AF, FE, DE, DC, 30mH 1710m2, Team A)       50       10-Aug-21       08-Oct-21       14-Oct-21       2       1         KTD SB 1070       Install sheetple (FSP V, Lines BA, AF, FE, DE, DC, 30mH 1710m2, Team B)       34       28-Aug-21       08-Oct-21       31-Aug-21       11-Oct-21       2       1         KTD SB 1070       Octuned Improvement works for bracking out to ketcking out to work (Vertical and part comg lests       50       09-Oct-21       18-Oct-21       23-Oct-22       23-0       1         KTD SB 1070       Excavate (GL,@+6m/2D to Strut 1@+5.0mPD, 520m5 exca)       7       09-Oct-21       19-Oct-21       29-Oct-21       2       1         KTD SB 1100       Install Strut 1 and Excavate (Strut 3@+0.0mPD to Strut 3@+0.0mPD, 1500m3 exca)       20       08-Nov-21       20-Oct-21       2       1         KTD SB 1100       Install Strut 2 and Excavate (Strut 3@+0.0mPD to Strut 5@+0.0mPD	warm and a Parado / adda and a same and and a war		And the second second second		in the second second second second		Convenie as anone same ba		1						<u>( (</u>	
KTD.8E:1075       Install sheelpile (FSP V, remaining at Line B-A and CD and Line B-C, 30mH, 1190m2, Team B)       34       28Aug-21       08-Oct-21       31-Aug-21       1       2       1         KTD.S8:1080       Gound improvement works for breaking grout box (Vertical) and post-coring tests       60       09-Oct-21       18-Deo/1       22-Mi-22       30-Sep-22       230       1         KTD.S8:1080       Excavate (GL_0+6mPD to Strut 2@+5.0mPD, 520m3 exca)       7       09-Oct-21       18-Obc-21       12-Obt-21       2       1         KTD.S8:1100       Install Strut 1 and Excavate (Strut 2@+5.0mPD to Strut 2@+5.0mPD, 1560m3 exca)       7       09-Oct-21       18-Obc-21       20-Obt-21       2       1         KTD.S8:1100       Install Strut 1 and Excavate (Strut 2@+5.0mPD to Strut 2@+5.0mPD, 1300m3 exca)       20       08-Abcv-21       20-Obt-21       22       1         KTD.S8:1120       Install Strut 3 and Excavate (Strut 3@-5.0mPD to Strut 4@-2.5mPD, 1300m3 exca)       20       01-Deoc11       08-Abcv-21       20-Dec21       2       1         KTD.S8:1120       Install Strut 3 and Excavate (Strut 4@-2.5mPD, 1300m3 exca)       20       20-Abrc-21       13-Dar-22       2       1         KTD.S8:1140       Install Strut 5 and Excavate (Strut 4@-2.5mPD, 1300m3 exca)       20       20-Abrc-21       14-Dar-22       2 <td< td=""><td>the second secon</td><td></td><td>- And the second second</td><td></td><td></td><td></td><td>in amangan</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></td<>	the second secon		- And the second second				in amangan	2	1							1
KTD.SB.1080       Ground improvement works for break-in grout box (Vertical) and post-dering tests       60       09-Oct.21       18-Debr21       22-Ud.22       20.9       1         KTD.SB.1090       Excavate (GL_@+6mPD to Strut 1@+5.0mPD, S20m3 exca)       7       09-Oct.21       18-Oct.21       12-Oct.21       20-Oct.21       20-Oct.21       20-Oct.21       20-Oct.21       20-Oct.21       20-Oct.21       20-Oct.21       20-Oct.21       20-Oct.21       21-Oct.21       20-Oct.21       21-Oct.21       20-Oct.21       21-Oct.21       20-Oct.21       21-Oct.21       21-Oct.2	The contraction of the latent of the latent of the						In a commence to-	2	1	<u> </u>			l			
KTD.SE.1090       Excavate (GL@+6mPD to Stut 1@+5.0mPD, 520m3 exca)       7       09-Ot.21       19-Ot.21       12-Ot.21       20-Ot.21       20-Ot.21 </td <td> And wanted a second bound of the second second second</td> <td>and the maximum of a Constant of an and an and an an annexes of the second state of th</td> <td>Second contraction</td> <td></td> <td></td> <td></td> <td>is more provide a</td> <td></td> <td>1</td> <td></td> <td></td> <td>Patrice and and</td> <td></td> <td></td> <td></td> <td></td>	And wanted a second bound of the second second second	and the maximum of a Constant of an and an and an an annexes of the second state of th	Second contraction				is more provide a		1			Patrice and and				
KTD.SB.1100       Install Strut 1 and Excavate (Strut 1@+5.0mPD to Strut 2@+3.0mPD, 1560m3 exca)       17       19-Odd-21       06-Av2-21       21-Odd-21       09-Nov-21       2       1         KTD.SB.1110       Install Strut 2 and Excavate (Strut 2@+3.0mPD to Strut 3@+0.0mPD, 1300m3 exca)       20       08-Nov-21       21-Odd-21       09-Nov-21       2       1         KTD.SB.1120       Install Strut 3 and Excavate (Strut 3@+0.0mPD to Strut 4@-2.5mPD, 1300m3 exca)       20       01-Doc-21       23-Doc-21       03-Doc-21       20       20-Doc-21       23-Doc-21       2       1         KTD.SB.1130       Install Strut 4 and Excavate (Strut 4@-2.5mPD to Strut 4@-2.5mPD to Strut 4@-2.5mPD to Strut 4@-5.0mPD to Strut 6@-5.0mPD to	and the second second second and second and the second second second	We have a second of the second	7		And a second a second		a manage in a second of	· · · · · · · · · · · · · · · · · · ·	1		·		ļ			
KTD.S3.1110       Install Strut 2 and Excavate (Strut 2@+3.0mPD to Strut 3@+0.0mPD, 1300m3 exca)       20       08-Nov-21       30-Nov-21       02       1         KTD.S8.1120       Install Strut 3 and Excavate (Strut 3@+0.0mPD to Strut 4@-2 5mPD, 1300m3 exca)       20       01-Dec-21       23-Dec-21       2       1         KTD.S8.1130       Install Strut 4 and Excavate (Strut 4@-2.5mPD to Strut 5@-5.0mPD, 1300m3 exca)       20       24-Dec-21       19-Jan-22       2       1         KTD.S8.1130       Install Strut 5 and Excavate (Strut 5@-5.0mPD, 1300m3 exca)       20       24-Dec-21       19-Jan-22       2       1         KTD.S8.1140       Install Strut 5 and Excavate (Strut 5@-5.0mPD, 1300m3 exca)       20       20-Jan-22       15-Feb-22       2       1         KTD.S8.1150       Install Strut 6 and Excavate (Strut 5@-5.0mPD, 1300m3 exca)       20       10-Mar-22       15-Feb-22       2       1         KTD.S8.1150       Install Strut 6 and Excavate (Strut 6@-8.0mPD, 1300m3 exca)       20       16-Feb-22       10-Mar-22       14-Feb-22       2       1         KTD.S8.1160       Construct RC structure of base slab and kicker (up to 8.0mPD, 540m3 conc)       35       11-Mar-22       28-Apr-22       05-May-22       2       1         KTD.S8.1180       Construct RC structure of wall 1 (up to -50mPD, 250m3 conc)       15	so 1. Now A TML & GOOM COMMONY AND INCOMES IN A STREET AND	which we are a second with the second se	17				and a second sec	a a view of stars	1				24			
KTD.SB.1120       Install Shut 3 and Excavate (Stut 3@+0.0mPD to Stut 4@-2.5mPD, 1300m3 exca)       20       01-Dec-21       23-Dec-21       03-Dec-21       2       1         KTD.SB.1130       Install Stut 4 and Excavate (Stut 4@-2.5mPD to Stut 5@-6.0mPD, 1300m3 exca)       20       24-Dec-21       19-Jan-22       29-Dec-21       21-Jan-22       2       1         KTD.SB.1130       Install Stut 5 and Excavate (Stut 5@-6.0mPD, 1300m3 exca)       20       24-Dec-21       19-Jan-22       29-Dec-21       21-Jan-22       2       1         KTD.SB.1140       Install Stut 5 and Excavate (Stut 5@-6.0mPD, 1300m3 exca)       20       20-Jan-22       15-Feb-22       22-Jan-22       1         KTD.SB.1150       Install Stut 6 and Excavate (Stut 6@-8.0mPD, 1940m3 exca)       20       16-Feb-22       10-Mar-22       12-Jan-22       2       1         KTD.SB.1160       Construct RC structure of base ab and kicker (up to -8.0mPD, 540m3 conc)       35       11-Mar-22       27-Apr-22       14-Mar-22       27-Apr-22       2       1         KTD.SB.1180       Construct RC structure of wall 1 (up to -5.0mPD, 250m3 conc)       15       04-Mar-22       21-Mar-22       27-Apr-22       1         KTD.SB.1190       Backfill and remove strut 5@-4.5mPD       6       23-Mar-22       25-Mar-22       1       1       1			the way and a more	and a series with measurements		And and a sugar	the numerous sector and the	· · · · · · · · · · · · · · ·	1	<u> </u>	· <del> </del> · · · · · · · · · · · · · · · · · · ·	1000				
KTD.SB.1130       Install Strut 4 and Excavate (Strut 4@-2.5mPD to Strut 5@-6.0mPD to S	and an and the second		dave a sum a summe			at non-company and an		an man to a chan				-				
KTD.SB.1140       Install Strut 5 and Excavate (Strut 5@-5.0mPD to Strut 6@-8.0mPD, 1300m3 exca)       20       20.4an 22       15 Feb-22       22.4an 22       17 Feb-22       2       1         KTD.SB.1150       Install Strut 6 and Excavate (Strut 6@-8.0mPD, 1040m3 exca)       20       16 Feb-22       10-Mar-22       12 Fab-22       2       1         KTD.SB.1150       Install Strut 6 and Excavate (Strut 6@-8.0mPD, 1040m3 exca)       20       16 Feb-22       10-Mar-22       12 Fab-22       2       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 Har-22       27 Apr-22       2       1         KTD.SB.1170       Backfill and remove strut 6@-7.5mPD       6       26 Apr-22       04-May-22       24 Apr-22       2       1         KTD.SB.1180       Construct RC structure of wall 1 (up to 5.0mPD, 250m3 conc)       15       04-May-22       2 Hay-22       24 May-22       2       1         KTD.SB.1190       Backfill and remove strut 5@-4.5mPD       6       23-May-22       28-May-22       31-May-22       2       1         KTD.SB.1190       Backfill and remove strut 5@-4.5mPD       6       23-May-22       28-May-22       31-May-22       2       1       1	KTD.SB.1130	The second of a second second state and the second s	a real mercer and a summer	The Rest of the Party of the Pa		the construction of the second			1	₿- <b></b> -			<b></b>			
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         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       2       1         KTD.SB.1160       Construct RC structure of base slab and kicker (up to -8.0mPD, 540m3 conc)       6       26-Apr-22       03-Mar-22       27-Apr-22       2       1         KTD.SB.1170       Backfill and remove strut 6@-7.5mPD       6       26-Apr-22       03-Mar-22       28-Apr-22       05-Mar-22       2       1         KTD.SB.1180       Construct RC structure of wall 1 (up to 5.0mPD, 250m3 conc)       15       04-Mar-22       28-Mar-22       04-Mar-22       24-Mar-22       2       1         KTD.SB.1190       Backfill and remove strut 5@-4.5mPD       6       23-Mar-22       28-Mar-22       31-Mar-22       2       1	KTD.SB.1140	Install Strut 5 and Excavate (Strut 5@-5.0mPD to Strut 6@-8.0mPD, 1300m3 exca)	20		to The Mathematics seconds of	3	to man management and the state	2	1			t i				
KTD.SB.1160       Construct RC structure of base sab and kicker (up to -8.0mPD, 540m3 conc)       35       11.Mar-22       25.Apr-22       14       1         KTD.SB.1170       Backfill and remove strut 6@-7.5mPD       6       26.Apr-22       03.May-22       28.Abr-22       05.May-22       2       1         KTD.SB.1170       Backfill and remove strut 6@-7.5mPD       6       26.Apr-22       03.May-22       28.Abr-22       05.May-22       2       1         KTD.SB.1180       Construct RC structure of wall 1 (up to -5.0mPD, 250m3 conc)       15       04.May-22       21.May-22       24.May-22       2       1         KTD.SB.1180       Backfill and remove strut 5@-4.5mPD       6       23.May-22       28.May-22       2       1       1         KTD.SB.1190       Backfill and remove strut 5@-4.5mPD       6       23.May-22       28.May-22       2       1       1		Install Strut 6 and Excavate (Strut 6@-8.0mPD to FEL@-9.8mPD, 1040m3 exca)	20	16-Feb-22			12-Mar-22	2	1		1					
K1DSB.1170       Backfill and remove strut 6@-7.5mPD       5       26 Apr.22       03 May-22       28 Apr.22       05 May-22       2       1         KTD.SB.1180       Construct RC structure of wall 1 (up to -5.0mPD, 250m3 conc)       15       04 May-22       21 May-22       2       1         KTD.SB.1190       Backfill and remove strut 5@-4.5mPD       6       23 May-22       28 May-22       2       1       1			35	11-Mar-22	25-Apr-22	14-Mar-22	27-Apr-22	2	1							
KTD.SB.1190         Backfill and remove strut 5@4.5mPD         6         23-May-22         26-May-22         21-May-22         2         1			6	26-Apr-22	03-May-22	28-Apr-22	05-May-22	2	1		1		<u></u>			
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Project Baseline Bar   Milestone  Kai Tak Development - Stage 5B Infrastructure Works at the Former North Aprop Area	KTD.SB. 1190	Backrill and remove strut 5@4.5mPD	6	23-May-22	28-May-22	25-May-22	31-May-22	2	1							
Project Baseline Bar   Milestone  Kai Tak Development - Stage 5B Infrastructure Works at the Former North Aprop Area	······															
	Project Basolino E	Bar 🌢 Milestone		volome	ant C	Anna FE		-	Mark	-		wéh Award				

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	Activity Name	Duration (d)	Early Star	Early Finish	Late Start	Late Finish	Total Floa	t Calendar		2021		2022		2023
KTD.SB.1200	Construct RC structure of wall 2 (up to -2.5mPD, 200m3 conc)	15	30-May-22		01-Jun-22	18-Jun-22	2	1	JASUND			AMJJASON	ID JEMAN	JJAS
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		•••••				
KTD.SB.1220	Construct RC structure of waii 3 (up to +0.0mPD, 210m3 conc)	15	24-Jun-22	12-Jul-22	27-Jun-22	14-Jul-22	2	1						
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		
KTD.SB.1240 KTD.SB.1250	Construct RC structure of wall and top slab with opening for RTBM Launching Works (up to 1.5mPD, 450m3 oc	20	20-Jul-22	11-Aug-22	e de come con successo	13-Aug-22	2	1						
KTD.SB.1250	Preparation works for RTBM and surface setup (Site setup, Gantry crane erection, showroom and etc.) Assembly RTBM and associated equipment (install cradle, back thrust wall pad, RTBM and associates) and SA	70	08-Jul-22	28-Sep-22	·	30-Sep-22	2	1				it manufacture		
KTD.SB.1270	Remove sheetpile for RTBM Launching (11mx7m)	30 20	24-Aug-22 29-Sep-22				2	1						
KTD.SB.1280	RTBM Launching (initial drive, 6m, 4nos precast unit, 0.5m/d)	12	25-Oct-22			26-Oct-22 07-Nov-22	2	1						
KTD.SB.1290	RTBM Launching (Main drive, 78m, 45nos precast unit, 1.5m/d)	45	06-Nov-22	~f~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	free managements	Jonne manue	2	2				·····	<u> </u>	-+
KTD.SB.1300	RTBM Breakthrough into Retrieving Shaft @Sa Po Road	5	23-Dec-22				0	2				22		
KTD.SB.1310	Replacement grout along trenchless tunnel area	5	28-Dec-22	03-Jan-23	28-Dec-22	03-Jan-23	0	1						
KTD.SB.1320	Remove RTBM and associated equipment (cradle, jacks, back thrust wall pad and etc.)	50	04-Jan-23	04-Mar-23	04-Jan-23	04-Mar-23	0	1						
KTD.SB.1330	Construct remaining RC structure of top slab and lift shaft and backfill	58	06-Mar-23	17-May-23	07-Dec-23	1	226	1					STATE OF	
KTD.SB.1340	Install steelwork, ABWF, other facilities, lift and other E&M works	180	18-May-23	20-Dec-23	19-Feb-24	25-Sep-24	226	1						ii.
	SB-01 AT SA PO ROAD	1121	14-Dec-20	25-Sep-24	14-Dec-20	25-Sep-24	0							and the second s
KTD.SB.2000	Trial pit/trench excavation to identify existing underground utilities and services and ground investigation works	52	14-Dec-20	18-Feb-21	14-Dec-20	18-Feb-21	0	1						
KTD.SB.2010 KTD.SB.2011	Construct road diversion for Sa Po Road (Stage 1, incl carriageway and footpath)	46	19-Feb-21	17-Apr-21		17-Apr-21	0	1					1	
	Exposed existing shallow covered watermain and conducting diversion works (NCE032/CE025)	44	15-Apr-21	28-May-21	- transmission		0	2						
KTD.SB.2012 KTD.SB.2020	Construction of remaining works after watermain diversion works for implement road diversion of Sa Po Road ((	11	29-May-21		29-May-21	08-Jun-21	0	2						
KTD.SB.2020	Implement TTA for Sa Po Road diversion (Stage 1) Site clearance and excavation for trial pits to identify existing UU along Sa Po Road	0	00	08-Jun-21		08-Jun-21	0	1		•				
KTD.SB.2040	Diversion of existing DN1800 stormwater drain pipe and underground utilities/services	130	09-Jun-21 18-Jun-21			17-Jun-21	0	1						
KTD.SB.2050	Install sheetpile for Retrieving Shaft (Stage 1, FSP V, 88nos, 24m-H, 1 team)	26	18-Jun-21 22-Nov-21			20-Nov-21 21-Dec-21	0							4
KTD.SB.2060	Construct road diversion for Sa Po Road (Stage 2, ind traffic deck, carriageway and footpath)	45	22-Nov-21	In mound		21-Dec-21 18-Feb-22	0							
KTD.SB.2070	Implement TTA for Sa Po Road diversion (Stage 2)	-45	}	18-Feb-22	22-000-21	18-Feb-22	0	1			ET COMPANY			
KTD.SB.2080	Install sheetpile for Retrieving Shaft (Stage 2A, FSP V, 46 nos, 24m-H, 1 team)	23	19-Feb-22		19-Feb-22	17-Mar-22	0	***			, i i i i i i i i i i i i i i i i i i i			
KTD.SB.2090	Diversion to existing underground utilities/services for remaining sheetpit installation	45	18-Mar-22				0							
KTD.SB.2100	Install remaining sheetpile for Retrieving Shaft (Stage 2B, FSP V, 20 nos, 24m-H, 1 team)	9	17-May-22	1	17-May-22		0	1						
KTD.SB.2110	Excavate and install ELS (GL@+6.0mPD to Strut 1@+5.0mPD, 270m3 exca)	7	27-May-22		a marine a marine	04-Jun-22	0	1				 0		
KTD.SB.2120	Excavate and install ELS (Strut 1@+5.0mPD to Strut 2@+2.0mPD, 810m3 exca)	20	06-Jun-22	28-Jun-22	06-Jun-22	28-Jun-22	0	1						
KTD.SB.2130	Excavate and install ELS (Strut 2@+2.0mPD to Strut 3@-0.5mPD, 675m3 exca)	20	29-Jun-22	22-Jul-22	29-Jun-22	22-Jul-22	0	1						
KTD.SB.2140	Excavate and install ELS (Strut 3@-0.5mPD to Strut 4@-3.0mPD, 675m3 exca)	20	23-Jul-22	15-Aug-22	23-Jul-22	15-Aug-22	0	1						
KTD.SB.2150	Excavate and install ELS (Strut 4@-3.0mPD to Strut 5@-5.5mPD, 675m3 exca)	20	16-Aug-22	· · · · · · · · · · · · · · · · · · ·		07-Sep-22	0	1						
KTD.SB.2160	Excavate and install ELS (Strut 5@-5.5mPD to Strut 6@-8.3mPD, 756m3 exca)	20	08-Sep-22		the second second second		0	1						
KTD.SB.2170 KTD.SB.2180	Excavate and install ELS (Strut 6@-8.3mPD to FEL@-10.3mPD, 540m3 exca)	20	05-Oct-22		afaran war waran	f	0	1						
KTD.SB.2190	Ground improvement works for breakthrough (Horizontal) and post-coring tests	26	28-Oct-22	26-Nov-22		26-Nov-22	. 0	1					Å	
KTD.SE.2200	Construct tunnel portal for RTBM breakthrough Remove tunnel portal and RTBM shield for RC structure connection works	22 60	28-Nov-22	in a survey was and	n fan weer we weersteren		0	1				1		
KTD.SB.2210	Construct RC structure of base slab (xxx m3 conc)	25	10-Feb-23 26-Apr-23	25-Apr-23 25-May-23	da manana	25-Apr-23 25-May-23	0	1						
KTD.SB.2220	Construct RC structure of walls (xxx m3 conc)	52	27-May-23		20-Apr-23		0		12					
KTD.SB.2230	Construct RC structure of roof slab and lift shaft (xxx m3 conc)	48	29-Jul-23	22-Sep-23		22-Sep-23	0	1						
KTD.SB.2240	Backfill Retrieving Shaft up to ground level	39	23-Sep-23	10-Nov-23			0	1						
KTD.SE.2250	Install ELS and excavate for remaining staircase and escalator trough structure	40	11-Nov-23	29-Dec-23		29-Dec-23	0	1						
KTD.SB.2260	Construct RC structure of remaining staricase and escalator trough structure and backfill	60	30-Dec-23	12-Mar-24	30-Dec-23	12-Mar-24	0	1						
KTD.SB.2270	Install steelwork, ABWF, other facilities and other E&M works	160	13-Mar-24	25-Sep-24	13-Mar-24	25-Sep-24	C	1						++
KTD.SB.2280	Planned Completion of Pedestrian Subway SB-01 (Related to Section 12)	0	1	25-Sep-24	1. 244° (1993) 2011 1. 19 menormaliyan ar	25-Sep-24	0	2						
Ward to a statistic statistic statistic statistics of the statisti	/ATED WALKWAY LW-02	861	31-Jul-20	27-Jun-23	08-Feb-21	26-Sep-23	77					and the second s		4
IER 9			20-Oct-20	25-Oct-21	08-Feb-21	26-Jan-22	77							
KTD.LW.1000	Pre-drilling works (2 nos, 1 rig)	45	20-Oct-20	11-Dec-20	08-Feb-21	08-Apr-21	91	1	ALL VIELE					1
KTD.LW.1010	Piling works for bored pile (PC9-A2, 2200dia x 67m)	40	31-Dac-20	19-Feb-21	09-Apr-21	27-May-21	77	1						
KTD.LW.1020	Pliing works for borad piie (PC9-A1, 2200dia x 67m)	40	20-Feb-21	12-Apr-21	28-May-21	15-Jul-21	77	1				1		1
KTD.LW.1030	Testing for completed bored piles (Sonic Test & Interface Core) and site clearance	18	13-Apr-21	04-May-21	16-Jui-21	05-Aug-21	77	1						
KTD.LW.1040 KTD.LW.1050	Installation of ELS and excavation for pile cap construction (520,5m3 exca, 1 team)	29	05-May-21	08-Jun-21	06-Aug-21	08-Sep-21	77	1						
IER 10	Construction of RC structure (pile cap & pier column) (184m3, 1 team)	114	09-Jun-21	25-Oct-21	09-Sep-21	26-Jan-22	77	1						1
KTD.LW.1060	Pro delling words (2 age 1 is)	285	07-Nov-20	25-Oct-21	09-Heb-21	26-Jan-22	77							
KTD.LW.1000	Pre-drilling works (2 nos, 1 rig) Piling works for bored pile (PC10-A2, 2200dia x 67m)	44	07-Nov-20		09-Feb-21	08-Apr-21	77	1	(700-700)			4		
KTD.LW.1080	Printig works for bored pile (PC10-A2, 2200dia x 67m) Piling works for bored pile (PC10-A1, 2200dia x 67m)	40 40	31-Dec-20		09-Apr-21	27-May-21	77	1						
KTD.LW.1090	Testing for completed bored piles (Sonic Test & hterface Core) and site clearance	40 18	20-Feb-21 13-Apr-21	12-Apr-21 04-May-21	28-May-21 16-Jul-21	15-Jul-21 05-Aug-21	77 77	1				·····		
KTD.LW.1100	Installation of ELS and excavation for pile cap construction (273.5m3 exca, 1 team)	29	05-May-21	08-Jun-21	06-Aug-21	05-Aug-21	77							
KTD.LW.1110	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		••••••					
DOTBRIDGE (PIER 9 T		433	05-May-21	18-Oct-22	09-Aug-21	26-Sep-23	281		1	Octores and				
KTD.LW.1120	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		07-Sep-21	79	1						
KTD.LW.1130	Erect mid tower in Kal Tak River (Quadshore system)	26	05-Jun-21	07-Jul-21	08-Sep-21	09-Oct-21	79							
KTD.LW.1140	Install decking system to deck over Kai Tak River	26	08-Jul-21	06-Aug-21	Commences in .	10-Nov-21	79	1	••••••					
KTD.LW.1150	Installation and erecting falsework and working platform for constructing RC bridge structure	63		22-Oct-21		26-Jan-22	79	1						
KTD.LW.1160	Construction of RC bridge structure (1079m3, 4 teams)	80	26-Oct-21	29-Jan-22	27-Jan-22	10-May-22	77	1	+					
KTD.LW.1170	Prestressing works and remaining RC works	26	31-Jan-22	04-Mar-22	13-Jan-23	14-Feb-23	281	1						
KTD.LW.1173	Install steel roof structure and associated steel facilities from Pier 9 to Pier 10	120	05-Mar-22	01-Aug-22	15-Feb-23	13-Jul-23	281	1				Address dates		+
KTD.LW.1176	Install E&M works, testing and commissioning from Pier 9 to Pier 10	90	02-Jul-22	18-Oct-22	12-Jun-23	26-Sep-23	281	1				A THINK WE AND A		
KTD.LW.1179	Construct landscaping, ABWF works and other facilities from Pier 9 to Pier 10	50	02-Jul-22	29-Aug-22	31-Jul-23	26-Sep-23	321	1						1

Critical Remaining Work

(Page 4 of 11)

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	Activity Name	Duration	n Early Sta		Late St	tart   Late Fini	sh Total Flo	oat Calendar	20	1	202			2022		2023		2024	T	202:		2028
PIER 11		(ci)	31-00-20	Finish 25-Oct-21	1 20 61	24 22 Con 7	2 270		JASO	NDJFN	AMJ	JASONI	JFMAM	JJAS	DNDJFMA	MJJAS	NDJFM	AMJJA	SONDJ	FMAMJ	ASONDJF	MAMJ
KTD.LW.1180	Liaison/coordinate with adjacent project for TTA arrangement	90	31-Jul-20		1																	
KTD.LW.1190	{ Implementation of TTA	7	18-Nov-20				-	2	A MARTIN	8												
KTD.LW.1200	Pre-drilling works (4 nos, 1 r/g)	48	26-Nov-20			Conners and a series and an and an	wanted and parameters	1	+		· • • • • • • • • • • • • • • • • • • •											
KTD.LW.1210	Piling works for bored pile (PC11-A1, 1800dia x 78m)	28	25-jan-21	01-Mar-21	· ····································	man i - monte and	and the second s						-									
KTD.LW.1220	Piling works for bored pile (PC11-A4, 1800dia x 78m)	28	02-Mar-2*			and at the horizon and a second second		1														
KTD.LW.1230	Piling works for bored pile (PC11-A2, 1800dia x 78m)	28	08-Apr-21			and the second second second second		1		100												
KTD.LW.1240	Piling works for bored pile (PC11-A3, 1800dia x 78m)	28	12-May-2	15-Jun-21	1 07-Apr-			1		·												
KTD.LW.1250	Testing for completed bored piles (Sonic Test & Interface Core) and site clearance	18	16-Jun-21	07-Jul-21	with a sector sector	······································	2 270	1														
KTD.LW.1260	Installation of ELS and excavation for pile cap construction (319.9m3 exca, 1 team)	26	08-Jul-21	06-Aug-21	1 07-Jun-	22 07-Jul-22	2 270	1	*									<u>-</u>				
KTD.LW.1270	Construction of RC structure (pile cap & pier column) (138m3, 1 tearn)	65	07-Aug-21	25-Oct-21	1 08-Jul-2	22 22-Sep-2	2 270	1								8 (e)	5 I					
FOOTBRIDGE (PIER 10		301	26-Oct-21	31-Oct-22	2 23-Sep-	-22 26-Sep-2	3 270					V			•							
KTD.LW.1280	Remove ELS and formating roundabout for portal and falsework erection from CH93 to CH138	31	26-Oct-21	30-Nov-21	1 23-Sep-	-22 31-Oct-2	2 270	1														
KTD.LW.1281	Implement TTA for erecting portal across carriageway near CHB4 to CHB3 (Stage 2)	0	01-Dec-21		08-Nov-	-22	276	1				۲									·····	
KTD.LW.1282 KTD.LW.1283	Construct and erect portal across carriageway near CH84 to CH93	18	01-Dec-21			-22 28-Nov-2		1														
KTD.LW.1283	Implement TTA for erecting portal across carriageway near CH138 to CH147 (Stage 3)	0	22-Dec-21	al marine and a summer	and the second s	-22 28-Nov-2	1	<u> </u>		1	1											
KTD.LW.1285	Construct and erect portal across carriageway near CH138 to CH147 (Except secondary beams) implement TTA for erecting secondary beams across carriageway near CH138 to CH147 (night time, approx 3 r	12	22-Dec-21		-	22 12-Dec-2	and there we account and	1	<b>.</b>													
KTD.LW.1286	Implement TrA for RC bridge structure construction (Stage 4)	6	08-Jan-22		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			1			1		i i									
KTD.LW.1290	Erect falsework and working platform from CH93 to CH138	45	15-Jan-22	AN PARTY MANY AND	2 20-Dec-	man stranger	men fer en servicipation i barry	1	<u> </u>		<u>.</u>											
KTD.LW.1300	Construction of RC bridge structure (745m3, 1 teams)	45	01-Dec-21 08-Jan-22			man have been a second as a	an afarran anana	1														T
KTD.LW.1310	Prestressing works and remaining RC works	26	08-Jan-22 14-Apr-22	man manager manager	2 06-Dec- 2 13-Mar-2		····· ································	1	<b> </b>		<u>↓</u> ↓											
KTD.LW.1313	Install steel roof structure and associated steel facilities from Pier 10 to Pier 12	76	14-Apr-22 20-May-22	- for more many	2 13-Mar- 2 17-Apr-2			1												6		
KTD.LW.1316	Install E&M works, testing and commissioning from Pier 10 to Pier 12	60	19-Aug-22		2 19-Jul-2		man manage and	1	<b>ŀ</b>		÷+			-	<b></b>							
KTD.LW.1319	Construct landscapiung, ABWF works and other facilities from Pier 10 to Pier 12	52	19-Aug-22					1 1						6								
IFT TOWER, STAIRCAS		715	25-Jan-21	27-Jun-23				i i							ALL THE REAL PROPERTY OF							
KTD.LW.1320	Pre-drilling works (6 nos, 2 rig)	48	25-Jan-21	and the state of the state	and the second second			1			1 F											
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	and any or some and a surrow a			A to ma company a	1	<b> </b>	india 23	¥∔							·····				
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			NAV / Addama		1 1					-									
KTD.LW.1350	Construction of RC structures (inclu. pile caps, pier column, lift shaft, staircase, etc.)	78	14-Oct-22		- the company of the			1			÷		+		<u></u>					····		
KTD.LW.1360	Lift and other E&M installation, testing and commissioning	90	17-Jan-23	enformer manual management in a	man & management warm		Mathin Contraction	1						l						9		
KTD.LW.1370	Construction of roof, planter, landscape softworks, other facilities and ABWF works for whole walkway	130	In sprace management over	27-Jun-23	at i for the second of	23 26-Sep-2	ma farmer and internet	1	<u> </u>					-+		L				····		
KTD.LW.1380	Planned Completion of Landscaped Elevated Walkway LW-02 (Related to Section 1)	0		27-Jun-23		26-Sep-2	Conferences and a second	2							CHARACTER STORE					1		
NSTRUCTION OF BOX		229	15-Aug-20	26-May-21	the second second second	and a surface and a surface of the surface of the					here y				·····		·····-	·····-		····-		
the second s	/0 CH364 TO BAY11 CH216)	205	02-Sep-20	14-May-21	1 24-Nov-2	20 19-Jul-21	53		-	a												
KTD.B1.A.1000	Trial pit excavation to expose the existing box culvert near Bay0 CH864	5	02-Sep-20	07-Sep-20	) 24-Nov-2	20 28-Nov-2	D 68	1 1			·			-+	·····			·····		····-		
KTD.B1.A.1010	Construction of Bay 0 include ELS/exca/rock fill/RC structure (CH364 to CH350, 14.3m, except roof opening for	53	08-Sep-20			20 02-Feb-2		1														
KTD.B1.A.1020	Construction of Bay 1 include ELS/excavation/rock fil/RC structure (CH350 to CH338, 12.2m)	70	25-Sep-20	18-Dec-20	mine and some sources		un fa annuana	1			·			-+							·····	
KTD.B1.A.1030	Construction of Bay 2 include ELS/excavation/rock fil/RC structure (CH338 to CH326, 12.2m)	55	29-Sep-20	04-Dac-20	and an and an		1, 135	1		and a state of the												
KTD.B1.A.1040	Construction of Bay 3 include ELS/excavation/rock fiil/RC structure (OH326 to CH313, 12.2m)	59	15-Oct-20	23-Dec-20	) 30-War-2	21   12-Jun-21	1 135	1	(i i 1775)											····		
KTD.B1 A 1050	Construction of Bay 4 include ELS/excavation/rock fill/RC structure (CH313 to CH301, 12.2m)	4.5	21-Oct-20		· · · · · · · · · · · · · · · · · · ·	an real many more and a second	144	1				1										
KTD.B1.A.1060 KTD.B1.A.1070	Construction of Bay 5 include ELS/excavation/rock fill/RC structure (CH301 to CH289, 12.2m)	90	27-Nov-20					1		SA OF DELLA				1								·
KTD.B1.A.1070	Construction of Bay 5 include ELS/excavation/rock fill/RC structure (CH288 to CH277, 12 2m)	57	30-Nov-20		- to manual and	······································	and Same many more	1														
KTD.B1.A.1090	Construction of Bay 7 include ELS/excavation/rock fil/PC structure (CH277 to CH265, 12.2m)	40	30-Nov-20	1 course and the second				1		DC-TRO												1
KTD.B1.A.1100	Construction of Bay 3 include ELS/excavation/rock fil/RC structure (CH265 to CH252, 12.2m) Construction of Bay 9 include ELS/excavation/rock fil/RC structure (CH252 to CH240, 12.2m)	49	07-Dec-20	test methodologi televen internette		21 25-May-2	merophistor & browner -	1			L							1				
KTD.B1.A.1110	Construction of Bay 9 include ELS/excavation/rock fil/RC structure (CH252 to CH260, 12.2m) Construction of Bay 10 include ELS/excavation/rock fil/RC structure (CH2640 to CH228, 12.2m)	62	10-Dec-20		and in the summer second	. Martine The Contraction of Manager and Street	make a scars, passion	1														. da (d
KTD.B1.A.1120	Construction of Bay 11 include ELS/excavation/rock fil/RC structure (CH224 to CH228, 12,2m) Construction of Bay 11 include ELS/excavation/rock fil/RC structure (CH228 to CH216, 12,2m)	50	12-Dec-20		nd fe 🖉 Statest Scientificance analysis	moral marca and so	and a company and a company and a company	1			ļļ.			4								
KTD.B1.A.1130	Remove existing buik wall near Bay 0 CH364 and complete connection at Bay 0	49 29		24-Feb-21		the commence way	na la se se maneren com	1		N. LOCATOR	percent of			1					-			1
	12 CH216 TO BAY15 CH167)	187	10-Apr-21	14-May-21	15-Jun-2	· · · · · · · · · · · · · · · · · · ·	53	1				·····	<u>.</u>	- <u> </u>								1
KTD.B1.A.1140	Submission of method statement/temporary works design to MTRC and relevant authorities	145	15 Aug 20	06 log 24		Contraction Contraction	2/			, i	t t											
KTD.B1.A.1150	Submission and construction of diversion of existing EVA for Bay 12 to Bay 15 works	70	15-Aug-20 16-Oct-20	opened to the second second second second	and us meners un a	manufa a un annan un	the same and	2	in a second second		ļ	····										
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		******	in the same of the same of the															9 1
KTD.B1.A.1170	install sheetpile by silent piler and TAM grouting works	27	11-Jan-21	increase in the second second	2 martine and a second		a free war war work	1		1	<b> </b>	į	<u> </u>									
KTD.B1.A.1180	Excevation and ELS installation for Bay 12 to Bay 15	1B	11-Feb-21	as another a mere algo	+			1														
KTD.B1.A.1190	Construction of Bay 12 include rock fil/RC structure (CH216 to CH204, 12.2m)	13	08-Mar-21		alamana an		- to man a more that	1						- <b>+</b>								
KTD.B1.A.1200	Construction of Bay 13 include rock fil/RC structure (CH2D4 to CH192, 12.2m)	19	08-Mar-21	29-Mar-21	. ···· ··· ···· ···	we show any set and		1														4 1
KTD.B1.A.1210	Construction of Bay 14 include rock fil/RC structure (CH192 to CH180, 12.2m)	21	08-Mar-21		a transmission and and			1				·····	·····				····			<u>}</u>		. <b>.</b>
KTD.B1.A.1220	Construction of Bay 15 include rock fil/RC structure (CH180 to CH167, 12.2m)	16	08-Mar-21		and an an and a second se	a to species and a second s		1														
	16 CH167 TO BAY21 CH86)	170	27-Oct-20	26-May-21	30-Dec-2	wanderson	53		· · · · · · · · · · · · · · · · · · ·							····			••••••••••			
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	30-Dec-2		53	1									6					
KTD.B1.A.1240	Construction of Bay 17 include ELS/exca/rock fill/RC structure (CH155 to CH143, 12.2m)	60	WATER ALSO STATEMENT	07-Jan-21	and research manager and	2	- denne	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	30-Dec-2	20 20-Mar-21		1														
KTD.B1.A.1260	Construction of Bay 19 include ELS/exca/rock fill/RC structure (CH131 to CH118, 12.2m)	75	02-Nov-20	30-Jan-21	06-Jan-2	1 10-Apr-21	53	1														-+
KTD.B1.A.1270	Construction of Bay 20 include ELS/exca/rock fill/RC structure (CH118 to CH106, 12.2m)	102	14-Dec-20	22-Apr-21	20-Feb-2	21 26-Jun-21	53	1														
KTD.B1.A.1280	Construction of Bay 21 include ELS/exca/rock fill/RC structure (CH105 to CH94, 12.2m)	75	13-Jan-21	17-Apr-21	19-Mar-2	21 22-Jun-21	53	1			-	U U										
KTD.B1.A.1290	Install ELS and excavate for expose existing box culvert for connection	20	19-Feb-21	13-Mar-21	ad a second second	NAMES OF TAXABLE AND A DECISION OF	53	1														
KTD.B1.A.1300	Demolish existing box culvert for connection and modification of existing box culvert for connection	48	15-Mar-21	and a manual and	and the second	a a be a man to see and	53	1						· · · · · · · · · · · · · · · · · · ·		·						-++-
KTD.B1.A.1310 KTD.B1.A.1320	Diversion of existing flow into Box Culvert B1	0		14-May-21	a free a second a second	19-Jul-21	53	1			\$									6		
KTD.B1.A.1320	Construction of remaining modification works (incl wall, top slab and bulk wall for abadon existing box culvert) Acutal Advanced Completion of Box Culvert B1 (Related to Section 8)	9	15-May-21	26-May-21		a solo commence o marco a	53	1						1			+					
DIFICATION OF EXISTIN		0	24 144 00	26-May-21	A 10 10 10 10 10 1 1	29-Jul-21	64	2			•											
		916	24-Nov-20	27-Dec-23	24-Nov-2	0 27-Dec-23	D	1														
Project Recoling	Bar A Milastana																				······	
Project Baseline	I Cal	Tak De	evelopm	ent - S	tage 5	5B Infra	structu	re Work	s at the	Form	er No	th Apro	on Area			Date			Revisio	1	Chec	ked Ap
Remaining Work	k Summary		-		-			OGRAM				1				13-Oct-	23 First I	Draft				
Critical Remainin	-					1101	1 NU I' I'N'															

	Activity Name	Duration (d)	Early Star	Early Finish	Late Start	Late Finish	101411104	Calenda			SONDULE	2022 MAMJJASOND	2023
KTD.MS.0000	Liaison/coordinate with HyD structure/HyD lighting/EMSD and other utility and service undertakings	180	24-Nov-20	22-May-21	24-Nov-20	22-May-21	0	2					C I III Clark C C
KTD.MS.1010	Pre-drilling works (1 no, 1 rig)	12	24-May-21	05-Jun-21	14-Aug-21	27-Aug-21	69	1					
KTD.MS.1014	Liaison/coordinate with CLP for diversion of existing 11kV cables	95	01-Mar-21	26-Jun-21	01-Mar-21	26-Jun-21	0	1					
KTD.MS.1015	Construct diversion of existing 11kV cables by CLP	52	28-Jun-21	27-Aug-21	28-Jun-21	27-Aug-21	0	1			····		
KTD.MS.1020	Piling works for pre-bored H-piles (4 nos, 610dia x 75m, 1 rig)	75	28-Aug-21	26-Nov-21	28-Aug-21	26-Nov-21	0	1					
KTD.MS.1021	Post-piling works tests (proof-drilling and load test)	18	27-Noy-21	17-Dec-21	27-Nov-21	17-Dec-21	0	1			SCHARTER .		
KTD.MS.1027		James and a second second	in an a some	······	from man some more the							_	
	Demolition of existing subway structures (inclu. staircase and partial ramp)	78	18-Dec-21	25-Mar-22	18-Dec-21	25-Mar-22	0	1				<u></u>	
KTD.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	26-Mar-22	17-May-22	0	1					
KTD.MS.1040	Construction of RC structures (inclu. lift shaft, staircase, pump house and etc.) (365m3, 1 team)	104	18-May-22	19-Sep-22	18-May-22	19-Sep-22	0	1				ESTATI A REAL PROPERTY.	
KTD.MS.1045	Backfilling of ELS to ground level	78	20-Sep-22	21-Dec-22	27-Jan-23	03-May-23	104	1					
KTD.MS.1060	Site clearance and demolition of remaining existing furnitures at existing subway under Road D1	26	20-Sep-22	21-Oct-22	08-Dec-22	10-Jan-23	66	1					
KTD.MS.1070	Construct roof and floor finishes along existing subway under Road D1	39	22-Oct-22	06-Dec-22	11-Jan-23	27-Feb-23	66	1		tt			
KTD.MS.1080	Install VE panels and its sub-frame along existing subway under Road D1	26	07-Dec-22	- for a come summer.	20-May-23	the man is a second of the	131	1					
KTD.MS.1090	Install steel frame of shelter for new staircase and lift shaft	39	A		Internation	la	free a se a more	contraction and and and and		·			
			07-Dec-22	and an	28-Feb-23	18-Apr-23	66	1				turre to the terms of ter	
KTD.MS.1100	Construct wall/floor finishes for new staircase	52	27-Jan-23	a the a second second and a second	19-Apr-23	20-Jun-23	66	1					Contractor.
KTD.MS.1110	Lift and other E&M installation, testing and commissioning	156	29-Mar-23	07-Oct-23	21-Jun-23	27-Dec-23	66	1					
KTD.MS.2000	Implement TTA (Phase 1) for closing half Ramp 2, existing staircase@TKL Rd and LHS of subway part	12	16-Jun-22	29-Jun-22	16-Jun-22	29-Jun-22	0	1					
KTD.MS.2010	Demolition of existing wall tiles at staircases, floor finishes and furnitures, ind hardrail/guardrail/lighings	26	30-Jun-22	30-Jul-22	30-Jun-22	30-Jul-22	0	1		·			
KTD.MS.2020	Construct wall/floor finishes for half Ramp 2 and existing staircase@TKL Rd	39	01-Aug-22		01-Aug-22	15-Sep-22	0	1				1723	
KTD.MS.2030	Construct roof and floor finishes along LHS of subway part	45		a har an a harmon	for an and many many								
KTD.MS.2040		i	16-Sep-22		16-Sep-22	have came and	0	1					
	Install VE panels and its sub-frame along LHS of subway part	39	10-Nov-22	ala samuna ma	10-Nov-22		0	1		III			
KTD.MS.2050	Advance works for installing steel shetter for existing staircase@TKL Rd	18	31-Aug-22	21-Sep-22	13-Oct-22	02-Nov-22	34	1					
KTD.MS.2060	Implement TTA for lift and install main steel frame of shelter for existing staircase@TKL Rd (Nightwork maybe re	26	22-Sep-22	24-Oct-22	03-Nov-22	02-Dec-22	34	1					1
KTD.MS.2070	Install remaining steel members, glass balustrade, shelter roof top and ancillary facilities	65	25-Oct-22	11-Jan-23	03-Dec-22	22-Feb-23	34	1					/
KTD.MS.2080	Install partial E&M works inclu lighting and drainage system and steel light trough for LHS subway part	52	12-Dec-22	afam a maan w	12-Dec-22	15-Feb-23	0	1					👝 🗄 👘
KTD.MS.2090	Site clearance for open the completed part to public	6	16-Feb-23	the manager of second	16-Feb-23	22-Feb-23	0	1		+			<b></b>
KTD.MS.2100		10	P In peter extendencement		2	Long the second s							H I
	Implement TTA (Phase 2) for closing 2nd half Ramp 2, full Ramp 1 and RHS of subway part	12	23-Feb-23	and an an an and an and an and an	23-Feb-23	08-Mar-23	0	1		ļļ			
KTD.MS.2110	Demolition of existing wall tiles at staircases, floor finishes and furnitures, ind handrail/guardrail/lightings	26	09-Mar-23	12-Apr-23	09-Mar-23	12-Apr-23	0	1					2005-20
KTD.MS.2120	Construct wall/floor finishes for 2nd half Ramp 2 and full Ramp 1	39	13-Apr-23	30-May-23	13-Apr-23	30-May-23	0	1					
KTD.MS.2130	Construct roof and floor finishes along RHS of subway part	45	31-May-23	24-Jul-23	31-May-23	24-Jul-23	0	1					
KTD.MS.2140	Install VE panels and its sub-frame along RHS of subway part	39	25-Jul-23	07-Sep-23	25-Jul-23	07-Sep-23	0	1					CACHARITA
KTD.MS.2150	Advance works for installing steel shelters for Ramp 2 and Ramp 1	18	15-May-23		02-Aug-23	22-Aug-23	65			<u>+</u> +			
KTD.MS.2160								1					
	Implement TTA for lift and install main steel frame of shelter for Ramp 2 and Ramp 1 (Nightwork maybe required	39	06-Jun-23		23-Aug-23	09-Oct-23	65	1		1			
KTD.MS.2170	Install remaining steel members, glass balustrade, shelter roof top and ancillary facilities	65	24-Jul-23	09-Oct-23	10-Oct-23	27-Dec-23	65	1					
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	25-Aug-23	27-Oct-23	0	1					
KTD.MS.9000	Advanced Completion of modification of existing Subway KS10	61	28-Oct-23	27-Dec-23	28-Oct-23	27-Dec-23	0	1 2		*			
KTD.MS.9999	Planned Completion of modification of existing Subway KS10 (Related to Section 3)	D		27-Dec-23		27-Dec-23	0	2					10
INSTRUCTION OF DISTRIC	CT COOLING SYSTEM WORKS	742	27-Mar-21	26-Sep-23	19-Jul-21	26-Sep-23	0			·····			
KTD.DCS.1000		·											1
	Liaison/coordinate with utility and service undertakings on connection works of DCS works	180	27-Mar-21	22-Sep-21	19-Jul-21	14-Jan-22	114	2		The second s			
KTD.DCS.1010	Allow time frame for CLP new 132kV cable laying works at Road L9 (Refer to Programme provided by CLP on	48	11-Oct-21	06-Dec-21	15-Jan-22	15-Mar-22	79	1			Charles and		
KTD.DCS.1020	Install ELS and excavate from SV-S-2A5B to CH280	52	07-Dec-21	11-Feb-22	16-Mar-22	21-May-22	79	1			12120128		1
KTD.DCS.1030	Construct chamber and install pipe&filting of SV-S2A5B	90	12-Feb-22	04-Jun-22	23-May-22	06-Sep-22	79	1			107	The second se	
KTD.DCS.1040	Install pipeline from SV-S-245B to CH280 (52mL, 14 joints)	26	05-Jun-22	06-Jul-22	07-Sep-22	10-Oct-22	79	9			Gene		
KTD.DCS.1050	Backfilling for trench from SV-S-2A5B to CH280	26	07-Jul-22	05-Aug-22	11-Oct-22	09-Nov-22	79	1					
KTD.DCS.1060	install ELS and excavate from CH310 to SV-S-2A10/CH334	21	vi waxaanaa aha wa	the survey of the second	i		Contraction on Meanworks and a contraction						
Construction of the second			06-Aug-22	ante a construction and a second a se	10-Nov-22	03-Dec-22	79	1		[]			
KTD.DCS.1070	Construct chamber and install pipe&iiting of SV-S-2A10	90	31-Aug-22	16-Dec-22	05-Dec-22	24-Mar-23	79	1					
KTD.DCS.1080	Backfilling for trench from CH310 to SV-S-2A10	21	17-Dec-22	13-Jan-23	25-Mar-23	22-Apr-23	79	1					
KTD.DCS.1090	Construct ducting and drawpits from SV-S-2A5B/SV-S-2A10 to CH280	25	14-Jan-23	15-Feb-23	24-Apr-23	24-May-23	79	1	1	1	;;;	1 1 1	
(TD.DCS.1100	Install ELS and excevate from SV-S-2A5A/CH190 to CH220	52	20-Sep-22	21-Nov-22	20-Seo-22	21-Nov-22	0	1 1					2302
KTD.DCS.1110	Construct chamber and install pipe&filting of SV-S-2A5A	90	22-Nov-22	1	frammerican								·····
(TD.DCS.1120	Install pipeline from SV-S-2A5A to CH220	i	and the second second		22-Nov-22	11-War-23	U					and the second	
		26	13-Mar-23		13-Mar-23	15-Арг-23	0	1					<b>5</b> 5
(TD.DCS.1130	Implementation of TTA for existing roundabout at Olympic Avenue	7	22-Nov-22		03-Dec-22	10-Dec-22	10	1				6	
(TD.DCS.1140	Site clearance, cable detection and trial pit excavation at existing public road at Olympic Avenue	21	30-Nov-22	23-Dac-22	12-Dec-22	07-Jan-23	10	1			2		
(TD.DCS.1150	Install ELS and excevate from CH220 to CH280	52	24-Dec-22	28-Feb-23	09-Jan-23	11-Mar-23	10	1		I I I I I I I I I I I I I I I I I I I			
(TD.DCS.1160	Install pipeline from CH220 to CH280	26	01-Mar-23		13-Mar-23	15-Apr-23	10	1				R Sa	
(TD.DCS.1170	Backfilling for trench from SV-S-2A5A to CH280	32	17-Apr-23		17-Apr-23	24-May-23	n	1		·			
(TD.DCS.1180	Construct ducting and drawpits from CHV-S2A5A to CH100	52		· · · · · · · · · · · · · · · · · · ·	Summer and the second	manana mina an	v c						19922
(TD.DCS.1190	The second s		25-May-23		25-May-23	27-Jul-23	v		<mark></mark>	ļļļ			
The same as one we have a conserve and a second and a	Install ELS and excavate from SV-S-2A4/CH100 to CH190	52	06-Mar-23			10-May-23	0	1					Statistic 10
(TD.DCS.1200	Construct chamber and install pipe&fitting of SV-S-2A4	90	05-Apr-23	27-Jul-23	06-Apr-23	27-Jui-23	0	1	į į				and stranger for
(TD.DCS.1210	Install pipeline from SV-S-2A4 to CH190	65	27-Jun-23	11-Sep-23	27-Jun-23	11-Sep-23	C	1 1					
(TD.DCS.1220	Backfilling for trench from SV-S-2A4 to CH190	26	28-Aug-23		28-Aug-23	26-Sep-23	0	4	E 1				Can
(TD.DCS.1230	Install ELS and excavate from CH0 to CH100	52	06-Mar-23	contract and the second when a	06-Mar-23	10-May-23	0		<b>├- </b>	ŧ∳∳	••••	-+	·····
(TD.DCS.1240	install pipeline from CH0 to CH100	26	al a susse server a server	and a surround as we		Marcon 1951 1 Management	· · · ·						
(TD.DCS.1250	Backfill for trench from CH0 to CH100	to an a se manuel en la se	11-May-23	Interest Telescontelescoloresterne	11-May-23	10-Jun-23	0	.		ļ		<u> </u>	🗖 📃
		38	12-Jun-23		12-Jun-23	27-Jul-23	0	1					20052
(TD.DCS.1260	Construct ducting and drawpits from CH100 to CH0 and existing drawpit	26	28-Jul-23	- A	28-Jul-23	26-Aug-23	0	1					
(TD.DCS.1270	T&C of the installed DCS pipes before connection to existing DCS system	26	28-Aug-23	26-Sep-23	28-Aug-23	26-Sep-23	0	1					
(TD.DCS.1280	Planned Completion of DCS works within Parts 1 and 1A (Related to Section 9)	0	]	26-Sep-23		26-Sep-23	0	2					
NOVATION OF EXISTING S		938	31-Jul-20	26-Sep-23	03-Nov-20		0						
(TD.RS.1000	Liasion with UAP project and relevant departments for possession approval/consent	366	31-Jul-20	and was and	03-Nov-20		95	2	Alleringenergen	ar na stranga tana sana			
(TD.RS.1001	Prepare/submisstion of TTA for KS9 and KS32	45	01-Aug-21	14-Sep-21	04-Nov-21	18-Dec-21	95	2					
KTD.RS.1002	Submission for MS/Shop Drawings/Material for shelter for KS9 and KS32	63	16-Aug-21	17-Oct-21	19-Nov-21	20-Jan-22	95	2		1			888) 
	Off-site fabrication of shelter for KS9 and KS32	90	18-Oct-21	15-Jan-22	13-Mar-22		146	2		·			
(TD.RS.1003	Application of XP for renovation works of existing subway KS9 and KS32	153		17-Jan-22	18-Aug-21	17-Jan-22	0	2			Contraction of the		
	······································				· - / My-2 I		· · · · · · · · · · · · · · · · · · ·	<b>f</b>				<u> </u>	
CTD.RS.1010	ar 🌢 Milestone	Tak Da	volon÷	iont C	tone Fr	Infra-				Contract March	μ <b>ι. Α</b>	\	1
Project Baseline B		Tak De	velopm	ient - S	tage 5E	8 Infrast	tructu	re Work	s at the l	Former Nort	th Apron A	\rea	-
(TD.RS.1010		Tak De	velopn	nent - S	tage 5E					Former Nort	th Apron A	\rea	-
KTD.RS.1003 KTD.RS.1010 Project Baseline Bi Remaining Work	ar	Tak De	velopn	ient - S	tage 5E			re Work DGRAM		Former Nort	th Apron A	\rea	

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	Activity Name	Duration (d)	Early Start	Early Finish	Late Start	Late Finish	Ional Floa	t Calendar			2021		2022	SIDIN	1 DEMA	20
RENOVATION OF EXIST	ING SUBWAY KS32	502	18-Jan-22	26-Sep-23	18-Jan-22	26-Sep-23	0		MAJON	JIFIMA	MJJAS		FMAMJJA	SUNC	1 1 1 M A	A MI J
KTD.KS32.1000	Implement TTA (Phase 1) for closing staircases at both sides and one side of Subway KS32	3	18-Jan-22	20-Jan-22		20-Jan-22	0	1				4				
KTD.KS32.1010	Site clearance and erect temporary partition along Subway KS9 for working area	26	21-Jan-22	23-Feb-22	21-Jan-22		0	1				·····	•		÷	
KTD.KS32.1020	Demolition of existing wall tiles at both side staircases, floor finishes and furnitures, incl handrail/guardrail/lights	60	24-Feb-22	11-May-22		11-May-22	0	1				3				
KTD.KS32.1025	Construct wall and floor finishes at both staircases	26	25-Apr-22	26-May-22		afres an an a man as a	0			·					+	
KTD.KS32.1030	Construct roof and floor finishes along LHS of subway part	65	v i u mmu minumente	12-Aug-22	fe conserve a seguration of the		7	1								
KTD.KS32.1040	Install VE panel and its sub-frame along LHS of subway part	39	13-Aug-22	28-Sep-22			7	1	•••••••	-+		·	(1007000 TOP			· · · · ·
KTD.KS32.1050	Advance works for installing steel shelters for both sides staircases	12	27-May-22		27-May-22		0	1						100	1	
KTD.KS32.1060	Implement TTA for lifting and install main steel frame of shelters for both sides staincases (Nightwork maybe requ	21	11-Jun-22	06-Jul-22	11-Jun-22	06-Jul-22	0	1								
KTD.KS32.1070	Install remaining steel members, glass balustrade, shelter roof top and ancillary facilities for both sides staircase	78	07-Jul-22	08-Oct-22	07-Jul-22	08-Oct-22	0	1						-		
KTD.KS32.1080	Install partial E&M works inclu lighting and drainage system and steel light trough for LHS of subway part	65	10-Oct-22	23-Dec-22	10-Oct-22	23-Dec-22	0	1 1 1	·····	··+····+··			27.2678.3	acra		
KTD.KS32.1090	Implement TTA (Phase 2) for closing RHS of subway part	12	24-Dec-22	10-Jan-23	24-Dec-22	10-Jan-23	0	1						No. 1. 1. 1990		
KTD.KS32.1100		12					0				·····				<b>.</b>	
KTD.KS32.1110	Site clearance and erect temporary partition along subway part for working area Demolition of existing floor finishes and furnitures, incl lighting	26	11-Jan-23	27-Jan-23	11-Jan-23	27-Jan-23									<b>.</b>	
KTD.KS32.1120		Announce of the second second	28-Jan-23	27-Feb-23	28-Jan-23	27-Feb-23	0	1				. <b>.</b>				
A	Construct roof and floor finishes along RHS of subway part	65	28-Feb-23	19-May-23	·····	19-May-23	0	1								
KTD.KS32.1130	Install VE panels along RHS of subway part	39	20-May-23	07-Jul-23	20-May-23	07-Jul-23	0	1								EXEC
KTD.KS32.1140	Install remaining E&M works inclu lighting and drainage system and steel light trough at Subway KS9	52	08-Jui-23	06-Sep-23	08-Jul-23	06-Sep-23	0	1								
KTD.RS.1030	Planned Completion of renovation of existing Subways KS9 and KS32 (Related to Section 1)	0		06-Sep-23		06-Sep-23	0	2							<u> </u>	
KTD.RS.1040	Advance Completion of renovation of existing Subways KS9 and KS32 to Specific Contract Completion Date (S	20	07-Sep-23	26-Sep-23	07-Sep-23	26-Sep-23	0	2								
RENOVATION OF EXIST		400	18-Jan-22	27-May-23	18-Jan-22	06-Sep-23	85					Aa			and the second	20.00
KTD.KS9.1000	Implement TTA (Phase 1) for closing staircases at both sides and LHS of subway part	3	18-Jan-22	20-Jan-22	18-Jan-22	20-Jan-22	0	1								
KTD.KS9.1010	Site clearance and erect temporary partition along subway part for working area	26	21-Jan-22	23-Feb-22	21-Jan-22	23-Feb-22	0	1								
KTD.KS9.1020	Demolition of existing wall tiles at both side staircases, floor finishes and furnitures, incl handrail/guardrail/lights	39	24-Feb-22	11-Apr-22	24-Feb-22	11-Apr-22	0	1								
KTD.KS9.1025	Construct wall and floor finishes at both staircases	26	26-Mar-22	29-Apr-22	26-Mar-22	29-Apr-22	0	1								
KTD.KS9.1030	Construct roof and floor finishes along LHS of subway part	45	30-Apr-22	24-Jun-22	14-Sep-22	07-Nov-22	112	1			····	·			1	
KTD.KS9.1040	install VE panels and its sub-frame along LHS of subway part	26	25-Jun-22	26-Jul-22	08-Nov-22	07-Dec-22	112	1								
KTD.KS9.1050	Advance works for installing steel shelters for both sides staircases	12	30-Apr-22	16-May-22	30-Apr-22	16-May-22	D	1							1	
KTD.KS9.1055	Implement TTA for lifting and install main steel frame of shelters for both sides staircases (Nightwork maybe requ	21	17-May-22	10-Jun-22	17-May-22	10-Jun-22	0	1								
KTD.KS9.1060	Install remaining steel members, glass balustrade, shelter roof top and ancillary facilities	65	11-Jun-22	26-Aug-22		07-Dec-22	85	1			····				1	
KTD.KS9.1070	Install partial E&M works inclu lighting and drainage system and steel light trough for LHS of subway part	52	27-Aug-22	29-Oct-22	08-Dec-22	11-Feb-23	85	1					(20000000.20			
KTD.KS9.1080	Implement TTA (Phase 2) for closing RHS of subway part	12	31-Oct-22	12-Nov-22	13-Feb-23	25-Feb-23	85	1							1	
KTD.KS9.1090	Site clearance and erect temporary partition along subway part for working area	13	14-Nov-22	28-Nov-22	27-Feb-23	13-Mar-23	85	1								
KTD.KS9.1100	Demolition of existing floor finishes and furnitures, incl lighting	21	29-Nov-22	22-Dec-22	14-Mar-23	- fa man to an	85	1			·†				di	•
KTD.KS9.1110	Construct roof and floor finishes along RHS of subway part	45	23-Dec-22	18-Feb-23	12-Apr-23	05-Jun-23	85	1						105		
KTD.KS9.1120	Install VE panels along RHS of subway part	26	20-Feb-23	21-Mar-23	06-Jun-23	07-Jul-23	85	1						·		
KTD.KS9.1130	Install remaining E&M works inclu lighting and drainage system and steel light trough at Subway KS9	52	22-Mar-23	27-May-23	08-Jul-23	06-Sep-23	85	1							ESECO .	-
In a top of a model in the organization of the second	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		- vine	- ferrer des						ATC: NO
TD.RM.1000	Liasion with relevant departments for removal of abandoned motorcycles under existing structures at Site 2C2 :	60	16-Sep-20	14-Nov-20	17-Sep-20	Martin P In the Adams	1	2								
(TD.RM.1001	Removal of abandoned motorcycles and clearance for demolition works	14	16-Nov-20	01-Dec-20	16-Nov-20	01-Dec-20	0									
(TD.RM.1002	Conduct asbestos survey and submission of AIR/AAP to EPD for approval	37		07-Jan-21			0									
(TD.RM.1003	Submit notification of commencement of removal works of asbestos at existing cottage at Site 2C2 and 2C3	27	02-Dec-20 08-Jan-21		02-Dec-20	+ mananana	0	2		740						
(TD.RM.1004		39		03-Feb-21	08-Jan-21	03-Feb-21		2		Narv	1					
(TD.RM.1004	Erect scaffold and demolition of existing RC structure at Site 2C2 and 2C3	39 26	08-Jan-21	25-Feb-21	20-Jan-21	09-Mar-21	10	1		(237.000						
	Erect protection, removal of asbestos and demolition of existing cottage at Site 2C2 and 2C3	to an	04-Feb-21	09-Mar-21	04-Feb-21	09-Mar-21	0	1		1000	1					
(TD.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			<u></u>					
(TD.RM.1012	Open-cut excavation for construction of twin rising main from CHD to CH184 (175mL,3500m3 exca, 1 team)	63	24-Mar-21	11-Jun-21	24-Mar-21	11-Jun-21	0	1		Sec. 10						
(TD.RM.1020	Lay and install pipeworks and cast thrust blocks for twin rising main from CH0 to CH184 (134mL)	115	17-Apr-21	02-Sep-21	17-Apr-21	02-Sap-21	0	1							.]	
(TD.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				_				
(TD.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	05-Oct-21	27-Oct-21	0	1					<u> </u>			
(TD.RM.1027	Out 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								
(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								o
TD.RM.1040	Planned Completion of diversion and demolition of existing structures at Site 2C2 and 2C3 (Related to Section	0		17-Dec-21		17-Dec-21	0	2				۲				
NSTRUCTION OF ROAL	OWORKS	1313	31-Jul-20	31-Dec-24	01-Sep-20	30-Jun-26	441	1	Americano	1 1	1		1 1 1		NAME AND DESCRIPTION	and the second
CONSTRUCTION OF SLI	P ROAD S14	707	31-Jul-20	15-Dec-22	06-Aug-21	30-Jun-26	1047		<b>V</b>	7 7		1	1	i i i i i i i i i i i i i i i i i i i	4	
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	06-Aug-21	01-Feb-22	371	2		-		i.		5	1 1	
KTD.SR.1010	Expose and install protect/support system for existing underground utilities and services (incl 132kV and 400kV	104	21-Oct-20	26-Feb-21	27-Oct-21	03-Mar-22	300	1	and the second s		····†·····†		9.0		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	05-Sep-21	15-Feb-22	228	1								
KTD.SR.1030-CSD2	Pre-drilling works for pile caps north side of PC3 to PC7 (10 nos, 2 rigs)	1	12-May-21	12-May-21	15-Feb-22		228	1			*		+		t	
KTD.SR.1031-CSD2	Submission/approval for CSD Proposal and Datail Design Report by the Employer/relevant authorities	132	26-Nov-20	12-May-21	04-Sep-21	15-Feb-22	228	1		NAME AND DESCRIPTION					1	
KTD.SR.1032-CSD2	Expose existing 132kV and 400kV cables, remove existing abandoned chamber and install protection to existin	26	12-May-21	11-Jun-21	16-Feb-22	17-Mar-22	228	1				····+			·····	• • • • • •
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	04-Mar-22	31-May-22	228	1							1 1	
KTD.SR.1050	installation of ELS and excavation and construction for pile cap PC1 (50m3 exca, 30m3 conc, 1 team)	26	21-Aug-21	20-Sep-21	01-Jun-22	02-Jul-22	225			·				· · · · · · · · · · · · · · · · · · ·	· • • • • • • • • • • • • • • • • • • •	
KTD.SR.1060	Construction of temporary supporting system for existing bridge K73	39	21-Sep-21	08-Nov-21	19-Apr-23	05-Jun-23	464	1								
KTD.SR.1070	Demolition of existing bearing wall	26	09-Nov-21	08-Dec-21	06-Jun-23	07-Jul-23	464	1							÷	
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	08-Jul-23	07-Jui-23	464							1	1 3	
KTD.SR.1090	Construction of remaining foundation and pier structures (incl. columns, portal beams and etc.) (169m3, 1 team	20 52	12-Jan-22	16-Mar-22	08-Jui-23 08-Aug-23	and the second second second	464	1			····-				. <del>.</del>	
KTD.SR. 1100	Construction of remaining roundation and per should be (inc. columns, portar beams and etc.) (resmo, inteam Construction of cantilever slab extended from ext. bridge K73 (150m3, 1 team)	39	17-Mar-22	06-May-22	10-Oct-23	24-Nov-23	464	1				1				
KTD.SR.1110	Backfilling for pile caps (PC1 and PC2)	26	07-May-22		25-Nov-23	Energy and sent assessed in the	464	1						···		
KTD.SR.2000-CSD2	Piling works of pre-bored H-piles (31 nos, 610dia x 80m, 1 rig)	125				per tens to the state of	heremen a sere.						iiiii			
KTD.SR.2001-CSD2			21-Aug-21	20-Jan-22	29-Jun-22	25-Nov-22	251	1	· <b>·</b> · · · · · · · · · · · · · · · · ·				<b></b>			
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	the set of the second s	1289	1							1	
	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	26-Nov-22	fan in an in the second second	251	1							. <b>.</b>	
KTD.SR.2020	Construction of Retaining Wall S14 (Bay1-4, 460m3, 2 teams)	39	26-Mar-22	17-May-22	01-Feb-23	17-Mar-23	251	1				1	¢			
KTD.SR.2030	Construction of bridge S14 decking structures (320m3, 1 teams)	32	18-May-22	24-Jun-22	18-Mar-23	28-Apr-23	251	1								
Project Baseline	Bar    Milestone   Kai	Tak Do	veinnm	ent - C	tano 50	3 Infras	tructu	re Work	at the	Eormo	North	Anron	Area			
	national statements and		*ciohiii	611L ° O	uye Ji	2 minds	และเม	IC WOIK	s at the	, onne	NORMA	-pion	MIEd.			
Remaining Work	Summary							OGRAM								

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	Activity Name	Duration	Early Star	t Early	1 an Sine	t I ato Einich	Total Float Calend	- 1981	0000				
		(d)	Lany Ola	Finis		Late rition	Total Float Caleria		2021 2022 2021 2022 2022	JFMAMJJA	SONDJEMAN		JJASONDJFMAM
KTD.SR.2040 KTD.SR.2050	Prestressing works and bearing Installation works Backfilling for Retaining Wall S14 (Bay 1-7, 1800m3, 2 teams)	26	25-Jun-22	หระบุ้านระวงทางการการกา	-22 12-May-2	and the constantion of the	261 1						
KTD.SR.3000	Installation of ELS and excavation for Retaining Wall S14 (Bay5-11, 3600m3 exca, 2 team)	36 90	25-Jun-22		-22 29-Apr-23	man free and the second s	251 1			à			
KTD.SR.3010	Construction of Retaining Wall S14 (Bay5-11, 800m3, 2 teams)	184	21-Aug-21 04-Nov-21		-21 01-Jun-22 -22 13-Aug-22		228 1 228 1		SALE A DEPARTMENT				
KTD.SR.3020	Backfilling for Retaining Wall S14 (Bay8-11, 1100m3, 2 teams)	90		2 01-Sep			228 1						
KTD.SR.3030	Excavate and construct stormwater drain from SMH1062 to SMH1066 and associated gullies	52	10-Aug-22			months announ annua	228 1						
KTD.SR.3050	Backfill and compact sub-base from CH336 to CH124	18	30-Sep-22	2 22-Oct-	-22 11-Jul-23	31-Jul-23	228 1						
KTD.SR.3060	Construction of road pavement, road marking, street and other facilities	46	24-Oct-22	15-Dec	-22   02-Nov-23	3 27-Dec-23	305 1						
KTD.SR.9999	Planned Completion of Slip Road S14 (Related to Section 3)	0		15-Dec	and a financial of the second	27-Dec-23	377 2		•				
	ADS D1, L9, L16, PEDESTRIAN STREETS AND OPEN SPACES	1286	01-Sep-20		-24 01-Sep-20		441						
	OADS L9 & L16 AND O LYMPIC AVENUE WITHIN PART 1	643	30-Jul-21	and the second sec	-23 30-Jul-21	and the second se	0				*		
KTD.L16.1000	UNDERGROUND UTILITIES AND ROADWORKS AT ROAD L16 WITHIN PART 1 (NON-XP ARE)	643			-23 30-Jul-21		0				•		
KTD.L16.1010	Excavate and construct stormwater drainage from SMH904 to SMH911 and associated drain pits Backfill and compact the excavated trench from SMH904 to SMH911	11	30-Jul-21		-21 30-Jul-21		0 1						
KTD.L16.1014	Excavate and construct stormwater drainage from SMH909 to SMH911 and associated drain pits	3 29	12-Aug-21 16-Aug-21	~~~ (	-21 12-Aug-21	1 14-Aug-21 1 17-Sep-21	0 1						
KTD.L16.1017	Backfill and compact the excavated trench from SMH909 to SMH911	15	18-Sep-21	· · · · ·		and a management income and	0 1						
KTD.L16.1020	Excavate and demolish the existing box culvert and backfill at Road L16	30	08-Oct-21	m	man of me and man	and anno anno a	0 1						
KTD.L16.1030	Excavate and construct stormwater drainage fm SMH911 to SMH916 and associated drain pits	52	13-Nov-21			ment in manual and	0 1						
KTD.L16.1040	Backfill and compact the excavated trench from SMH911 to SMH916	18	17-Jan-22	09-Feb-	an manufactor was sussessed	••• (•••••••••••••••••••••••••••••••••	0 1	-		r da			
KTD.L16.1050	Excavate and construct sewerage from SWTP1_1 to FMH10_40 (182mL pipeline and manholes)	78	10-Feb-22	18-May	-22 10-Feb-22	2 18-May-22	0 1						
KTD.L16.1060	Excavate and install fresh watermain from CHC0 to CHC180 and associated tees with chambers	60	and annear a second of a	2 29-Jul-		2 29-Jul-22	0 1						T
KTD.L16.1070 KTD.L16.1080	Excavate and install salt watemain from CHC0 to CHC180 and associated tees with chambers	39	30-Jul-22		and a second second second	· ····································	0 1						
KTD.L16.1090	Excavate and install irregation pipeline at Road L16 within Part 1 Install and construct gully and associated drain pipes at Road L16 within Part 1	26	15-Sep-22		and the second second		0 1						
KTD.L16.1100	Install and construct road lighting and drawpits civil provisions at Road L16 within Part 1	26 26	18-Oct-22	and the second	-22 18-Oct-22	5	0 1						
KTD.L16.1110	Allowable time frame for UU undertakings to install their ducts/pits/chambers at Road L16 within Part 1	26		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-22 17-Nov-22	- vi							
KTD.L16.1120	Backfill and compact to roadwork formation level at Road L16 within Part 1	12	17-Dec-22	an in anna a course	and some second second and	· · · · · · · · · · · · · · · · · · ·	0 1	·					
KTD.L16.1130	Construct road kerb and planter at Road L16 within Part 1	39	04-Jan-23				0 1						
KTD.L16.1140	Backfill and compact sub-base material for road work at Road L16 within Part 1	52	28-Jan-23	29-Mar-	-23 28-Jan-23	3 29-Mar-23	0 1						••••
KTD.L16.1150	Construct carriagway pavement (Bitumen and concrete pavement) at Road L16 within Part 1	40	30-Mar-23	20-May	-23 30-Mar-23	3 20-May-23	0 1						
KTD.L16.1160	Lay paving blocks for pedestrian access at Road L16 within Part 1	78	22-May-23	8 23-Aug-	-23 27-Jun-23	3 26-Sep-23	29 1			THE OWNER OF THE OWNER OF	·····		···
KTD.L16.1170	TTA diversion for MTR SWT Station EVA (Stage 3, divert to newly constructed L16 as EVA)	7	22-May-23	30-May-	-23 22-May-23	3 30-May-23	0 1						
KTD.L16.1180	Excavate and construct remaining stormwater drainage and watermain connection	18	31-May-23		-23 31-May-23	and many and the second se	0 1						
KTD.L16.1190 KTD.L16.1200	Construct remaining road kerb/planter at Road L16 within Part 1	12	21-Jun-23		· · · · · · · · · · · · · · · · · · ·		0 1						
KTD.L16.1210	Allowable time frame for UU undertakings to install remaining ducts/pits/chambers at Road L16 within Part 1 Lay paving blocks for remaining pedestrian access at Road L16 within Part 1	18	07-Jul-23				0 1						
KTD.L16.1220	Install road furnitures, road markings and landscaping works at Road L16 within Part 1	26 52	28-Jul-23 28-Jul-23	who me an a ma	-23 28-Jul-23	26-Aug-23 26-Sep-23							
KTD.L16.1230	Planned completion of underground utilities and roadworks at Road L16 within Part 1 (related to Section 1)	0	20-301-25	26-Sep-	m m of an ana a surrow	26-Sep-23	0 2	-					
CONSTRUCTION OF L	UNDERGROUND UTILITIES AND ROADWORKS AT ROAD L9 WITHIN PART 1 (NON-XP AREA)	444	29-Mar-22	and a second second	23 29-Mar-22	· · · · · · · · · · · · · · · · · · ·	0				J		···
KTD.L9.1000	TTA diversion for MTRC SWT Station EVA (Stage 2, divert to Sung Wong Tol Road and Orowd Dispersal Route)	0	-	29-Mar-	-22	29-Mar-22	0 1						
KTD.L9.1010	Excavate and demolish the existing box culvert and backfill at Road L9	35	30-Mar-22	16-May-	-22 30-Mar-22	2 16-May-22	0 1				++		
KTD.L9.1020	Excavate and construct stormwater drainage from SMH1026 to SMH454 and associated drain pits	48	17-May-22	13-Jul-2	22   17-May-22	2 13-Jul-22	0 1						
KTD.L.9.1030	Excavate and install fresh watermain from CHB126 to CHB50 at Road L9 within Part 1	30	14-Jul-22			and a survey of the survey of	0 1						
KTD.L9.1040 KTD.L9.1050	Excavate and install salk watermain from CHB125 to CHB50 at Road L9 within Part 1 Excavate and install imposition pipeling at Page I 9 within Part 1	30	where a s a work many		-22 18-Aug-22		0 1						
KTD.L9.1060	Excevate and install irregation pipeline at Road L9 within Part 1 Install and construct gully and associated drain pipes at Road L9 within Part 1	26 18	free warmen and and and and and and and and and an	the strategiest workers	22 23-Sep-22	and a second	0 1						
KTD.L9.1070	Install and construct road lighting and drawpits civil provisions at Road L9 within Part 1	18	25-Oct-22	- farmer and a second	-22 26-Oct-22 -22 16-Nov-22	and an even warm understand	0 1						
KTD.L9.1080	Allowable time frame for UU undertakings to install ducts/pits/chambers at Road L9 within Part 1 (non-XP area)	26	07-Dec-22	and as server or two		03-Jan-23	0 1 1	-					
KTD.L9.1090	Backfill and compact to roadwork formation level at Road L9 within Part 1	18	10-Jan-23	Anna an	manual and an and and	and so my a man 's	0 1			<b></b>			······
KTD.L9.1100	Construct road kerb and planter at Road L9 within Part 1	26	02-Feb-23	~ ~~~~~~~	23 02-Feb-23	and a source warmen ward and	0 1	-					
KTD.L9.1110	Backfill and compact sub-base material for road work at Road L9 within Part 1	39	04-Mar-23	22-Apr-2	23   04-Mar-23	22-Apr-23	0 1						·····
KTD.L9.1120	Construct certiageway pavement (Bitumen pavement) at Road L9 within Part 1	52	24-Apr-23		23 24-Apr-23		0 1						
KTD.L9.1130	Lay paving blocks for pedestrian access at Road L9 within Part 1	78	27-Jun-23	and a sum assessment of	23   27-Jun-23		0   1						
KTD.L9.1140 CONSTRUCTION OF L	Planned completion of underground utilities and roadworks at Road L2 within Part 1 (non-XP area, related to S UNDERGROUND UTILITIES AND ROADWORKS AT JUNCTION OF L9 & OLYMPIC AVENUE W/	0	DA COLOR	26-Sep-		26-Sep-23	0 2				•		
KTD.L9.2000	Implement TTA for construct preliminary works for Olympic Avenue roundabout closure	265			22 244 eb-22		17 1						
KTD.L9.2010	Preliminary works for Olympic Avenue roundabout closure (incl demolish central divider, construct pavement and	3 26	04-Feb-22 08-Feb-22		22 24-Feb-22	26-Feb-22 29-Mar-22	17 1	4					
KTD.L9.2020	TTA diversion for MTR SWT Station EVA (Stage 2, divert to Sung Wong Toi Road and Crowd Dispersal Route)	0	00-1 00-22	29-Mar-	mounds muse an man	29-Mar-22 29-Mar-22	0 1						
KTD.19.2030	Setup and implement TTA for Oympic Avenue roundabout closure	3	30-Mar-22		22 30-Mar-22	A	0 1 1						
KTD.L9.2040	UU detection and trial pit excavation	3	02-Apr-22			05-Apr-22	0 1						
KTD.L9.2050	Excavate and construct stormwater drainage from SMH1026 to SMH1042	39	07-Apr-22	the second second	THE ADDRESS OF MALE AND ADDRESS ADDRES	27-May-22	0 1				• • • • • • • • • • • • • • • • • • • •		
KTD.L9.2060	Excavate and construct sewerage from 2A8_1 to FMH23_2	26	28-May-22	and the second second second	- Martin	28-Jun-22	0 1						
KTD.L9.2070	Excavate and construct FWW/SWM from CHB50 to CHB0 and CHA450 to CHA360 and associated tees with cl	26	29-Jun-22	when we want to be a set of the s			0 1						
KTD.L9.2080 KTD.L9.2090	Excavate and install irregation pipeline at Junction of Road L9 & Olympic Avenue within Part 1	12		Contraction and second states	22 30-Jul-22		0 1						
KTD.L9.2090	Install and construct gully and associated drain pipes at Junction of Road L9 & Olypmic Avenue within Part 1 Install and construct road lighting and drawpits civil provisions at Junction of Road L9 & Olympic Avenue within	18	13-Aug-22	and the second sec	· · · · · · · · · · · · · · · · · · ·	02-Sep-22	0 1						
KTD.L9.2110	Install and construct road lighting and drawpits civil provisions at Junction of Road L9 & Olympic Avenue within I Allowable time frame for UU undertakings to install ducts/pits/chambers at Junction of L9 & Olympic Avenue w/i	18			22   13-Aug-22	> c mounter man and	0 1						
KTD.L9.2120	Backfill and compact to formation level for roadworks at Junction of Road L9 & Olympic Avenue within Part 1	26 18	03-Sep-22 07-Oct-22	where we are and	22 03-Sep-22 22 07-Oct-22		0 1						
KTD.L9.2130	Construct road kerb, central divider and planter at Junction of Road L9 & Olympic Avenue within Part 1	18	28-Oct-22		22 07-00-22 22 28-0ct-22	and an assessment and an article	0 1				·····		
KTD.L9.2140	Backfill and compact sub-base material for road work at Junction of Road L9 & Olympic Avenue within Part 1	12			22 18-Nov-22	and a company of the second has	0 1	~					
KTD.L9.2150	Construct carriageway pavement (Bitumen pavement) at Junction of Road L9 & Olympic Avenue within Part 1	18		and the second s	22 02-Dec-22	Character and the	0 1				+++		
CONSTRUCTION OF U	UNDERGROUND UTILITIES AND ROADWORKS AT OLYMPIC AVENUE WITHIN PART 1 (XP AF	225	Alle and below the server		23 23-Dec-22		6				<b>T</b>		
								~ <u>ui</u>			· · · · · · · · · · · · · · · · · · ·		
Project Baseline Baseline	ar 🔶 🌢 Milestone 🛛 🛛 Kai Ta	ak Dev	velopm	nent -	Stage 5	B Infrast	ructure Wor	ks af f	he Former North Apron Area		ate	Revision	Checked
Remaining Work	Summary		4				S PROGRAM			13-0	ct-23 First Dra	aft	
J	· · · · · · · · · · · · · · · · · · ·					WATE PET IN.		IN NOT HIS					1 1

	Activity Name	Duration (d)	Early Start	Early Finish	Late Start	Late Finish	Total Float	Calendar		D deltal a	2021	RONDUC	2022		J UP IS	202
KTD.OLY.2000	Implement TTA for storm water drainage works at Oly Ave E/B and W/B (Phase 1) and UU detection	2	23-Dec-22	24-Dec-22	23-Dec-22	24-Dec-22	0	1	JAJON	DJFMF	ACCM	SONDJF	MANJJA	SUNI	JJFWI	AMJ
KTD.OLY.2010	Excavate and construct stormwater drainage from SMH1035 to SMH1031 and SMH1042 to SMH100B and as:	18	28-Dec-22		28-Dec-22	18-Jan-23	0	1							i:	
KTD.OLY.2020	Install and construct gully and associated drain pipes at Oly Ave E/B and W/B (Phase 1)	8	19-Jan-23	30-Jan-23	19-Jan-23	30-Jan-23	0	1		•••						
KTD.OLY.2030	Construct road kerb and central divider at Cly Ave E/B and W/B (Phase 1)	10	31-Jan-23	10-Feb-23		10-Feb-23	0	1							26	
KTD.OLY.2040	Construct carriageway pavement (Bitumen pavement) at Oly Ave E/B and W/B (Phase 1)	18	11-Feb-23	03-Mar-23	11-Feb-23	03-Mar-23	0	1								
KTD.OLY.2050	Remove TIA and implement TTA for stomwater drainage works at Oy Ave E/B and W/B (Phase 2) and UU det	3	04-Mar-23		04-Mar-23	in man and an and a second	0	1								
KTD.OLY.2060	Excavate and cosntruct stormwater drainage from SMH1031 to SMH1030A and SMH100B to SMH100 and as	18	08-Mar-23	for a man me me	I wanted and a second	28-Mar-23	0	1							······	·
KTD.OLY.2070	Install and construct gully and associated drain pipes at Oly Ave E/B and W/B (Phase 2)	B	29-Mar-23		29-Mar-23		0	1								
KTD.OLY.2080	Construct road kerb and central divider at Oly Ave E/B and W/B (Phase 2)	10	12-Apr-23	An anno consistent anno -	12-Apr-23	22-Apr-23	0									<b></b>
KTD.OLY.2090	Construct carriageway pavement (Bitumen pavement) at Oiv Ave E/B and W/B (Phase 2)	10			information in the second		0									å –
KTD.OLY.2100	Remove TTA and implement TTA for FWM/SWM at Oly Ave W/B (Phase 3) and UU detection		24-Apr-23	15-May-23	almonte anime a une	15-May-23			·							
KTD.OLY.2110	Excavate and construct FWM/SWM from CHA360 to CHA300 and assocated tees with chambers	3	16-May-23	for a second the second	16-May-23		0	1							1 1	
KTD.OLY.2120		12	19-May-23	02-Jun-23	19-May-23		0	1							. <u>.</u>	
	Backfill and construct carriageway pavement (Bitumen pavement) at Oly Ave W/B (Phase 3)	10	03-Jun-23		03-Jun-23	14-Jun-23	0	1								3
KTD.OLY.2130	Remove TTA and implement TTA for FWM/SWM at Oly Ave W/B and E/B (Phase 4) and UU detection	3	15-Jun-23	17-Jun-23	15-Jun-23	17-Jun-23	0	1								
KTD.OLY.2140	Excavate and construct FWM/SWM from CHA300 to CHA100 and associated tees with chambers	18	19-Jun-23	11-Jul-23	19-Jun-23	11-Jul-23	0	1							1 1	
KTD.OLY.2150	Backfill and construct carriageway pavement (Bitumen pavement) at Oly Ave W/B and E/B (Phase 4)	16	12-Jul-23	29-Jul-23	12-Jul-23	29-Jul-23	0	1								ş
KTD.OLY.2160	Remove TTA and implement TTA for FWM/SWM at Sung Wong Toi Road S/B (Phase 5) and UU detection	3	31-Jul-23	02-Aug-23	31-Jul-23	02-Aug-23	0	1								1
KTD.OLY.2170	Excavate and construct FWM/SWM from CHA100 to CHA0 and associated tees with chambers	18	03-Aug-23	23-Aug-23	03-Aug-23	23-Aug-23	0	1								
KTD.OLY.2180	FWM/SWM pipeline washing and testing for connection	8	24-Aug-23	01-Sep-23	24-Aug-23	01-Sep-23	0	1							1	
KTD.OLY.2190	Backfill and construct carriageway pavement (Bitumen pavement) at Sung Wong Toi Road S/B (Phase 5)	18	02-Sep-23	22-Sep-23	02-Sep-23	22-Sep-23	0	1							1	
KTD.OLY.2200	Site clearance and remove TTA to resume traffic	3	23-Sep-23	26-Sep-23	23-Sep-23	26-Sep-23	0	1							1	
KTD.OLY.2210	Planned completion of underground utilities and roadworks at Olympic Avenue within Part 1 (related to Section	0		26-Sep-23	nên evren menerina I	26-Sep-23	0	2				1				
CONSTRUCTION O	OF PEDESTRIAN ACCESS FROM L9 TO OLYMPIC AVENUE WITHIN PART 1 (XP AREA)	291	07-Oct-22	26-Sep-23	07-Oct-22	26-Sep-23	0								des sectores de	
KTD.OLY.2220	Demolish and remove site hoarding from Road L9 to Olympic Avenue within Part 1	12	07-Oct-22		07-Oct-22	20-Oct-22	0	1								
KTD.OLY.2230	Site clearance and relocate construction material stockpile at Storage Yard	12	21-Oct-22	03-Nov-22	21-Oct-22	03-Nov-22	0		••••••						- <b>-</b>	·
KTD.OLY.2240	Excavate and construct u-channels and connect to stormwater drainage system	26					0									
KTD.OLY.2250		26		03-Dec-22	04-Nov-22	03-Dec-22		1			····					
	Install and construct road lighting and drawpits civil provisions from Road L9 to Olympic Avenue within Part 1			24-Dec-22	05-Dec-22	24-Dec-22	0	1							3	
KTD.OLY.2260	Allowable time frame for UU undertakings to install ducts/pits/chambers from Road L9 to Olympic Avenue within	26	28-Dec-22	. were a very a manager	28-Dec-22	30-Jan-23	0	1							<u></u>	
KTD.OLY.2270	Backfill and compact to formation level for road works	26	31-Jan-23	01-Mar-23	31-Jan-23	01-Mar-23	0	1							<b>E</b>	
KTD.OLY.2280	Backfill and compact sub-base material for road works	26	02-Mar-23	31-Mar-23	02-Mar-23	31-Mar-23	0	1							6381	
KTD.OLY.2290	Lay paving blocks for pedestrian access from Road L9 to Olympic Avenue within Part 1	39	01-Apr-23	22-May-23	01-Apr-23	22-May-23	0	; 1								
KTD.OLY.2300	Implement TTA for closing existing pedestrian access from Road L9 to Cly Ave w/in Part 1 and divert to new acc	1	23-May-23	23-May-23	23-May-23	23-May-23	0	1							1 1	
KTD.OLY.2310	Remove existing paving blocks, excavate and install irregation pipeline from Road L9 to Olympic Avenue within	18	24-May-23	14-Jun-23	24-May-23	14-Jun-23	0	1		1	1				1	
KTD.OLY.2320	Construct road kerb and planter fm Road L9 to Olympic Avenue within Part 1	26	15-Jun-23	17-Jul-23	15-Jun-23	17-Jul-23	0	1		1						
KTD.OLY.2330	Laying paving blocks for pedestrian access fm Road L9 to Olympic Avenue within Part 1	26	18-Jul-23	16-Aug-23	18-Jul-23	16-Aug-23	0	1							11	
KTD.OLY.2340	Install road fumitures, road markings and landscaping works from Road L9 to Olympic Avenue within Part 1	35	17-Aug-23	26-Sep-23	17-Aug-23	26-Sep-23	0	1								
KTD.OLY.2350	Planned completion of pedestrian access from Road L9 to Olympic Avenue within Part 1 (XP area, related to S	0		26-Sep-23	1	26-Sep-23	0	2							· <del> </del> · · · · · {	
CONSTRUCTION C	PF PORTION 1 (ROAD D1 E/B & W/B CH170 TO CH230)	156	17-Apr-23	21-Oct-23	17-Apr-23	21-Oct-23	0	3								
KTD.D1.1010	Site clearance, haul road diversion, formation and fence off working area	4	17-Apr-23	20-Apr-23	17-Apr-23		0	1								
KTD.D1.1020	Excavate and construct stormwater drain from SMH1023 to SMH1021 and associated guilles	35	21-Apr-23	02-Jun-23	21-Apr-23	02-Jun-23	0	1					8 S			(887.3
	Excavate and construct stormwater drain from SMH1054 to SMH1051 and associated gullies	35	03-Jun-23	15-Jul-23	03-Jun-23	15-Jul-23	0	1	l <mark>.</mark> l							CONTROL OF
KTD.D1.1030	Excavate and construct sewerage from FMH25_1 to FMH25_2a	20	17-Jul-23	08-Aug-23	17-Jul-23	08-Aug-23	D	1								
KTD.D1.1040	Excavate and construct FWW/SWM from CH450 to CH500	20	a farmer and a farmer	31-Aug-23		31-Aug-23	0	1	[						<u></u>	İ.
KTD.D1.1050	Backfill and construct road kerb/central divider from Road D1 E/B & W/B CH170 to CH230 for road works	18	01-Sep-23	21-Sep-23	01-Sep-23	21-Sep-23	0	1							1 6	
KTD.D1.1060	Backfill and compact sub-base from Road D1 E/B & W/B CH170 to CH230 for road works	24	22-Sep-23	21-Oct-23	22-Sep-23	21-Oct-23	0	1								
CONSTRUCTION	F PORTION 2 (ROAD D1 E/B CH230 TO CH396)	117	06 Mar-23	21-Jul-23	18-May-23	25-Oct-20	79	1							V	
KTD.D1.2000	Site clearance, haul road diversion, formation and fence off working area	4	06-Mar-23	09-Mar-23	18-May-23	22-May-23	58	1								
KTD.D1.2010	Excavate and construct stormwater drain from SMH1101B to SMH1201C	48	10-Mar-23	10-May-23	23-May-23	20-Jul-23	58	1		1		1		1		
KTD.D1.2020	Backfill and construct road kerb/central divider from Road D1 E/B CH230 to CH396	35	11-May-23	21-Jun-23	21-Jul-23	30-Aug-23	58	1		10					and the	
KTD.D1.2030	Backfill and compact sub-base from Road D1 E/B CH230 to CH396	24	23-Jun-23	21-Jul-23	25-Sep-23	25-Oct-23	79	1	;			1			- <u>†</u> †	
CONSTRUCTION C	F PORTION 3 (ROAD D1 W/B CH230 TO CH300)	142	06 Mar-23	26-Aug-23	04-May-23	21-0d-23	465	1							-	
KTD.D1.3000	Site clearance, haul road diversion, formation and fence off working area	4	06-Mar-23		04-May-23		45	1							turr i	·····
KTD.D1.3010	Excavate and construct stormwater drain from SMH1120 to SMH1123 and associated gullies	26	10-Mar-23	13-Apr-23		08-Jun-23	45	1								0 1
KTD.D1.3020	Excavate and construct stomwater drain from SMH1001 to SMH1107 and associated gullies	37	01-Apr-23	19-May-23		15-Jul-23	46	4								<u> </u>
KTD.D1.3030	Excavate and construct severage from FMH25_2a to FMH25_4	12	20-May-23	03-Jun-23	17-Jul-23	29-Jul-23	46	1							-	1000
KTD.D1.3040	Excavate and construct EMW/SWM from CH500 to CH570	26	05-Jun-23	05-Jui-23	31-Jul-23	29-Aug-23	46	1		·					. <b>.</b>	
KTD.D1.3050	Backfill and construct road kerb/central divider from Road D1 W/B CH230 to CH300	26		05-Jui-23	30-Aug-23			1								
KTD.D1.3060	Backfill and constituct to a vehicle intra divider non robat D1 W/B CH230 to CH300	18			a comme a Te accord	28-Sep-23	46								. <b>!</b>	3
	the second			26-Aug-23	former a mainter pro-		46	1			l.			1		and the second s
CONSTRUCTION C		125	11-May-23	09-03-23	17-34-23	12-08:00-275	54	-							<u> </u>	
KTD.D1.4000	Site clearance, haul road diversion, formation and fence off working area	4		15-May-23	terman	20-Jul-23	54	1		i i				7		
KTD.D1.4010	Excavate and construct stomwater drain from SMH1108 to SMH1108A	12	· · · · · · · · · · · · · · · · · · ·			03-Aug-23	54	1	L		l					
KTD.D1.4020	Excavate and construct stormwater drain from SMH1107 to 1271 and associated gullies	26		30-Jun-23		02-Sep-23	54	1							1	
KTD.D1.4030	Excavate and construct FWW/SWM from CH570 to CH870	35	26-Jun-23	05-Aug-23	29-Aug-23	10-Oct-23	54	1							1	ž.
KTD.D1.4040	Backfill and construct road kerb/central divider from Road D1 W/B CH300 to CH396	26	07-Aug-23	05-Sep-23	11-Oct-23	10-Nov-23	54	1							1	
KTD.D1.4050	Backfill and construct sub-base from Road D1 W/B CH300 to CH396	35	28-Aug-23	09-Oct-23	01-Nov-23	12-Dec-23	54	1		6						
CONSTRUCTION C	F PORTION 5 (PEDESTRIAN ACCESS AND CARRIAGEWAY PAVEMENT AT ROAD D1)	181	A2-May-23	27-Dec-23	01-040-23	27-040-23	Ĥ								1	Variable Construction
KTD.D1.5000	Demolition and removal of existing site hoarding or boundary fence at Road D1 E/B Pedestrian Access	26	22-May-23	21-Jun-23	01-Aug-23	30-Aug-23	58	1								
KTD.D1.5010	Construct u-channel/lighting duct and drawpits at Road D1 E/B Pedestrian Access	26	23-Jun-23	24-Jul-23	31-Aug-23	· martine - reserves - martine -	58	1			•				·†	
KTD.D1.5020	Construct planter kerb at Road D1 E/B Pedestrian Access	18	25-Jul-23	14-Aug-23		24-Oct-23	58	1								
KTD.D1.5030	Allowable time frame for UU undertakings to install ducts/pits/chambers at Road D1 E/B Pedestrian Access	18	15-Aug-23	04-Sep-23	25-Oct-23	······································	58	1							• <b>†¦</b> -	
KTD.D1.5040	Lay paving blocks and install street furnitures/facilities for Road D1 E/B Pedestrian Access	35	05-Sep-23	17-Oct-23	Announces survey and	27-Dec-23	58	1						1	1	
· · · · · · · · · · · · · · · · · · ·				1					<u>i    </u>	- 1 - 1		<u> </u>	<u> </u>		; ;	
Designet Designed																
Project Baseline	Bar   Milestone Kai	Tak De	evelopm	ient - S	tage 5E	3 Infras	tructur	e Work	s at the	Forme	r North	n Apron A	Area			F
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Remaining Worl	k Summary					WODW	S PRO	CPAM								1

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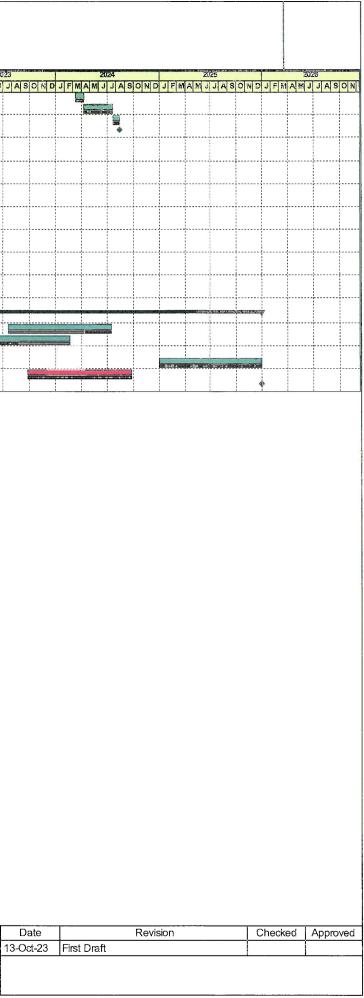
	Activity Name	Duration	Early Star	t Early	Late Start	Late Finish	Toiai Floa	t Calenciar	20		2	2021			2022	-	207
		(d)		Finish	1					DJFN	AM	JJAS	OND	JFMAD	VJJASC	JILDIJEN	AMJ
KTD.D1.6000	Construct u-channel/lighting duct and drawpits at Road D1 W/B Pedestrian Access from CH170 to CH300	26	17-Jul-23	15-Aug-23	19-Aug-23	18-Sep-23	29	1								1 1 2 1	
KTD.D1.6010	Construct planter kerb at Road D1 W/B Pedestrian Access from CH170 to CH300	18	16-Aug-23	05-Sep-23	19-Sep-23	11-Oct-23	29	1									
KTD.D1.6020	Allowable time frame for UU undertakings to install ducts/pits/chambers at Road D1 W/B Pedestrian Access CH	18	06-Sep-23	26-Sep-23	12-Oct-23	02-Nov-23	29	1									i i i
KTD.D1.6030	Lay paving blocks and install street furnitures/facilities for Road D1 W/B Pedestrian Access CH170 to CH300	35	27-Sep-23	09-Nov-23	03-Nov-23	13-Dec-23	29	1			1						
KTD.D1.6040	Construct landscaping softworks for Road D1 W/B Pedestrian Access CH170 to CH300	18	01-Nov-23	21-Nov-23	05-Dec-23	27-Dec-23	29	1 1			4						++
KTD.D1.7000	Construct u-channel/lighting duct and drawpits at Road D1 W/B Pedestrian Access CH300 to CH396	18	03-Jul-23		08-Sep-23		58				1						1
KTD.D1.7010	Construct planter kerb at Road D1 W/B Pedestrian Access CH300 to CH396	18	24-Jul-23	12-Aug-23	and mercan and a second	Jamman Jamma - 1											
KTD.D1.7020	Allable time frame for UU undertakings to install ducts/pits/chambers at Road D1 W/B Pedestrian Access CH30	Sume	and commences and and			Service of the servic	58	1			5						
and the second second second second second second second second		18	14-Aug-23	and the set and			58	1									
KTD.D1.7030	Lay paving blocks and install street furnitures/facilities for Road D1 W/B Pedestrian Access CH300 to CH393	26	04-Sep-23	05-Oct-23	14-Nov-23	13-Dec-23	58	1			1					1	
KTD.D1.7040	Construct landscaping softworks for Road D1 W/B Pedestrian Access CH300 to CH396	18	25-Sep-23	17-Oct-23	05-Dec-23	27-Dec-23	58	1									
KTD.D1.8000	Construct carriageway pavement for Road D1 W/B CH170 to CH230 (12d for each layer test result, exclu wearing	40	24-Oct-23	08-Dec-23	07-Nov-23	22-Dec-23	12	1			7						
KTD.D1.8010	Construct carriageway pavement and road marking for Road D1 E/B (12d for each layer test result, 3 layers)	52	22-Sep-23	24-Nov-23	26-Oct-23	27-Dec-23	26	1 1			1	1	1				
KTD.D1.8020	Construct carriageway pavement and road marking for Road D1 W/B (12d for each layer test result, 3 layers)	52	24-Oct-23	22-Dec-23	24-Oct-23	22-Dec-23	0	1					;	,	++		++-
KTD.D1.9000	Advanced Completion of Road D1 within Part 1A	5	23-Dec-23	27-Dec-23	23-Dec-23	i management of	0	2									
KTD.D1.9999	Planned Completion of Road D1 within Part 1A (Related to Section 3)	0		27-Dec-23		27-Dec-23	0	2									++
CONSTRUCTION OF C	ROWD DISPERSAL ROUTE (CDR) WITHIN PARTS 2 AND 10	467	01 Sep 20		01 500 20	1 3	0	2	the second s		1		<u>                                      </u>			1	
apply the second second second second second second		A CONTRACTOR	01-Sep-20		01-Sep-20		0										
KTD.CDR.1000	Liaison/coordinate with CLP for new 132kV and 11kV cable laying at Road L16, Part 3 and Crowd Dispersal Rc	123	01-Sep-20	01-Jan-21	01-Sep-20	01-Jan-21	0	2		-							1
KTD.CDR.1010	Excavate and construct storm drain pipework (40mL)/catchpit fm CH0 to CH20	48	02-Jan-21	02-Mar-21	02-Jan-21	02-Mar-21	0	1									1
KTD.CDR.1020	Backfill pipeline area fm CH0 to CH20 and excavate and construct u-channel fm CH0 to CH180	66	03-Mar-21	25-May-21	03-Mar-21	25-May-21	0	1					·				÷
KTD.CDR.1030	Excavate and construct lighting drawpits and lay cable ducts fm CH0 to CH180	78	07-Apr-21	10-Jul-21	25-Jun-21	the second second	65	1		2000	1						
KTD.CDR.1040	Backfill and compact sub-base and construct road pavement fm CH0 to CH180	78				· · · · · · · · · · · · · · · · · · ·											4
KTD.CDR.1050		the and and some and	08-May-21	man manan	18-Aug-21	19-Nov-21	84	1			100000	ar tunner 1					
	Excavate and construct u-channel fm CH180 to CH292	43	26-May-21		26-May-21	· ····· management and	D	1									1
KTD.CDR.1060	Excavate and construct lighting drawpits and lay cable ducts fm CH180 to CH292	45	12-Jul-21	01-Sep-21	27-Sep-21	19-Nov-21	65	1									1
KTD.CDR.1070	Backfill and compact sub-base and construct road pavement fm CH180 to CH292	65	02-Sep-21	19-Nov-21	20-Nov-21	10-Feb-22	65	1 1			1						
KTD.CDR.1080	Excavate and construct storm drain pipework/manhole SMH119	40	17-Jul-21	01-Sep-21	17-Jul-21	01-Sep-21	0	1			{		1200				·
KTD.CDR.1090	Backfill pipeline area to SMH119 and construct u-channel fm CH292 to CH455	70	02-Sep-21	motor unan income	02-Sep-21	25-Nov-21	0	1			1						
KTD.CDR.1100			. I can an concern a concernent		- man manning -	uf mune anne man		from more sources and and and				<b></b>	123.7843				<u> </u>
	Excavate and construct lighting drawpits and lay cable ducts fm CH292 to CH455	52	05-Oct-21	for muse man	05-Oct-21	04-Dec-21	0	1			1	1	BARRO CHARMEN				
KTD.CDR.1110	Excavate and construct watermain pipework and install fire hydrants from CH316 to CH455	52	05-Oct-21		05-Oct-21	04-Dec-21	0	1			1	1					
KTD.CDR.1120	Backfill and compact sub-base and construct road pavement fm CH292 to CH455	78	05-Nov-21	10-Feb-22	05-Nov-21	10-Feb-22	0	1 1		1	1	1					1
KTD.CDR.1130	Install chain-link fence from CH0 to CH455 and install lighting poles and cabling by HyD sub-contractor	40	11-Feb-22	29-Mar-22	11-Feb-22	29-Mar-22	0	1					-				
KTD.CDR.1140	Planned Completion of Roadworks and Utilities/Services within Parts 2 and 10 (Related to Section 6)	0		29-Mar-22	1	29-Mar-22	0	2									++
ONSTRUCTION OF PE	DESTRIAN STREETS NO.1, 3 & 4 WITHIN PART 3	632	02-Jan-21	20-Feb-23	02-Jan-21	24-Feb-24	301	-			-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
KTD.RW.2060		1000	and the second sec	A CONTRACTOR OF THE	10.000 (0.000 (0.000)	The second second second	1.5000										
Contractions and Statements of the United Statement	Liaison/coordinate with adjacent projects (incl Station Square, Housing Sites and etc.) for interfacing issues	60	02-Jan-21	02-Mar-21	ALCONDER STREET,	02-Mar-21	0	2		10040425020							
	ROADWORK/LANDSCAPE WORKS AT PEDESTRIAN STREETS NO.1, 3 & 4	346	18-Dec-21	20-Feb-23	24-Dec-22	24-Feb-24	301	1					V	2.00.000			
KTD.RW.2070	Construct roadwork and landscape softworks within Part 3 (incl pedestrian streets)	346	18-Dec-21	20-Feb-23	24-Dec-22	24-Feb-24	301	1 "				i					++
CONSTRUCTION OF	UNDERGROUND UTILITIES AT PEDESTRIAN STREET NO.1	169	03-Mar-21	and an and the second s	A STATISTICS OF A STATISTICS	he was a start of the start of	69	The second			1	-			AMERICAN AND A DESCRIPTION		
KTD.PS1.1000	Excavate and construct storm drain pipework (120mL)/catchpit/manholes fm SMH905A to SMH905B										<u> </u>						
		68	03-Mar-21	· · · · · · · · · · · · · · · · · · ·	03-Mar-21	damana and a second	0	1				1 1					
KTD.PS1.1010	Backfill fm SMH905A to SMH905B	20	28-May-21	21-Jun-21	19-Aug-21	10-Sep-21	69	1		1							
KTD.PS1.1020	Construct fresh/salt watermain pipework (150mL)/chambers along CHC9	39	22-Jun-21	06-Aug-21	11-Sep-21	29-Oct-21	69	1									1
KTD.PS1.1030	Construct road lighting drawpits and lay cable ducts for Pedestrian Street No.1	39	09-Jui-21	23-Aug-21	29-Sep-21	15-Nov-21	69	1					1				
KTD.PS1.1040	Backfill up to formation level for Pedestrian Street No.1	28	24-Aug-21	25-Sep-21	16-Nov-21	17-Dec-21	69	1 1 1				10000000					
CONSTRUCTION OF	UNDERGROUND UTILITIES AT PEDESTRIAN STREET NO.3	170	28-May-21	An a sur anno sur	28-May-21	2	0			1	-						1
KTD.PS3.1000			and a second states and			terrena on the						1					1
	Excavate and construct storm drain pipework (33mL) to Box Culvert B1	48	28-May-21		28-May-21	24-Jul-21	0	1			1						
KTD.PS3.1010	Backfill pipework area and construct catchpits	29	26-Jul-21	27-Aug-21	26-Jul-21	27-Aug-21	0	1			1	200		ļ	d 1		()
KTD.PS3.1020	Construct sewer drain pipework (171mL)/manholes fm FMH10_40 to FMH10_65b	39	28-Aug-21	15-Oct-21	28-Aug-21	15-Oct-21	0	1									1
KTD.PS3.1030	Construct salt watermain pipework (150mL) chambers along CHC10/Construct road lighting drawpits and lay ca	48	14-Sep-21	11-Nov-21	14-Sep-21	11-Nov-21	0	1									
KTD.PS3.1040	Backfill up to formation level for Pedestrian Street No.3	31	12-Nov-21	17-Dec-21	12-Nov-21	17-Dec-21	0	1									
CONSTRUCTION OF	UNDERGROUND UTILITIES AT PEDESTRIAN STREET NO.4	170	day and the second second	17-Des 21	· 1	1		for some of			100	<u>i</u> –	2005	i i			
KTD.PS4.1000	Excavate and construct storm drain pipework (192mL)/catchpit/manhole th SMH505 to SMH1005A	48	28-May-21	24-Jui-21	28-May-21	24-Jul-21	0	1			1000	and the second					
KTD.PS4.1010	Excavate and construct sewer drain pipework (165mL)/manhole fm FMH25_30 to FMH25_10	51	22-Jun-21	20-Aug-21	22-Jun-21	20-Aug-21	0	1 1		1							1 1
KTD.PS4.1020	Backfill pipework area and construct fresh watermain pipework (170mL/chambers along CHC11	39	21-Aug-21	07-Oct-21	21-Aug-21	07-Oct-21	0	1 1			]		1				1
KTD.PS4.1030	Construct road lighting drawpits and lay cable ducis	29	08-Oct-21	11-Nov-21	08-Oct-21	11-Nov-21	Ō	1 1				1000					
KTD.PS4.1040	Backfill up to formation level for Pedestrian Street No.4	31	12-Nov-21	17-Dec-21	12-Nov-21	17-Dec-21	0	in the second	·····	····	;	÷					÷+
KTD.PS4.1050	Planned Completion of Underground Utilities/Services within Part 3 (Related to Section 5)	0		17-Dec-21		17-Dec-21			1						4 1		
	DESTRIAN STREET NO.2 WITHIN PART 4	the state of the s	CONTRACTOR	man and the second s	00.00	An reason and a second second	0	2				اا	<u> </u>				į
		336	23-Nov-20	a second second			629					1		E			
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									
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	· · · · · · · · · · · · · · · · · · ·			1	· · · · · · i				·
KTD.PS2.1020	Backfill fm SMH404 to SMH402/Excavate and construct storm drain pipework (59mL)/catchpit/manhole fm SMH	29	19-Feb-21	24-Mar-21	19-Feb-21	24-Mar-21	0	1				1					
KTD.PS2.1030	Backfill fm SMH402 to SMH401/Excavate and construct storm drain pipework (59mL)/catchpit/manhole fm SMH	26	17-Mar-21		17-Mar-21		0	·				÷}					<u></u>
KTD.PS2.1040	Backfill within Part 4 and construct fresh watermain pipework (164mL)/chambers from CH179 to CH15	39		a present and a second of				h						1			1 1
KTD.PS2.1050			13-Apr-21	29-May-21	13-Apr-21	29-May-21	0	1				<u>j</u>	l				<u>.</u>
	Construct road lighting drawpits and lay cable ducts/Backfill upto formation level for Pedestrian Street No.2	26	31-May-21	Anna	31-May-21	30-Jun-21	0	1						1		6	0
KTD.PS2.1060	Planned Completion of Underground Utilities/Services within Part 4 (Related to Section 4)	0	1	30-Jun-21		30-Jun-21	0	2				<b>•</b>				1	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		·········		· ······		<b></b>		·····	<u>├</u>
ONSTRUCTION OF RC	AD L16 WITHIN PART 6	303	23-Dec-23		15-Mar-24		144	1				Alling and		<i>n</i>			
KTD.RW.2090	Liasion with developer of the sites 2A4, 2A5(B) and 2A10 and construction of drainage and sewage works with	156	and the second second second	- and a second second	P		and the second second					Ļ	l			!	įį.
KTD.RW.2100			the second second second second	06-Jul-24		23-Sep-24	66	1									
And the second se	Construct roadwork, remaining UUs/services and landscape softworks within Part 6 (incl remaining Road L16)	147	08-Jul-24	31-Dec-24	and the second se		144	1				1					
ONSTRUCTION OF RO	AD D1 WITHIN PART 5	312	30-Jun-22	18-Jul-23	08-Dec-22	27-Dec-23	134	1							- <del>Vanasseepes</del>	A CONTRACTOR OF	(TARDARCO)
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								<u> </u>	<u> </u>
ONSTRUCTION OF LIN	DERGROUND UTILITIES WITHIN PARTS 1B, 6A AND 7 AND REMAINING AT ALL PARTS	312	and the second s	31-Dec-24		30-Jun-26	441	-	+			+ <b> </b>				Prove Carlo and a	
							1.1.2.2.6.1.2.1			1		1					
KTD.RW.2110	Construct underground utilities/services within remaining works of all Parts	312	de como de la como de	31-Dec-24		30-Jun-26	441	1									
RONSTRUCTION OF I	JNDERGROUND UTILITIES WITHIN PARTS 6A AND 7	187	28-Dec-23	14-Aug-24	11-Nov-25	30-Jun-26	565	No.	1			<u></u>					[
KTD.P67.1000	Excavate/install FWM and SWM from CH400 to CH350 (50mL) and fittings	62	28-Dec-23	12-Mar-24	11-Nov-25	24-Jan-26	555	1				( i					
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Remaining Work	Summary																
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ctivity ID		Activity Name	Duration	Early Start		Late Start	Late Finish	Total Float	Calendar	20			20	021	gantan danin	2	22		20	23
			(d)		Finish					JA	OND	JFM	AMJ	JAS	OND	JFMAMJ	JASON	DJFA	ANJ	JASONI
	KTD.P67.1010	Backfill FWM and SWM from CH400 to CH350	21	13-Mar-24	10-Apr-24	26-Jan-26	21-Feb-26	555	1		-									
	KTD.P67.1020	Excavate/install FWM and SWM from CH350 to CH300 (50mL) and fittings and chambers	83	11-Apr-24	20-Jul-24	23-Feb-26	04-Jun-26	555	1			2								
	KTD.P67.1030	Backfill FWM and SWM from CH350 to CH300	21	22-Jul-24	14-Aug-24	05-Jun-26	30-Jun-26	555	1				1	1					11	
	KTD.P67.1040	Planned Completion of Underground Utilities/Services within Parts 6A and 7 (Related to Section 2)	0		14-Aug-24	1	30-Jun-26	685	2				1							/
C	ONSTRUCTION OF ADD	TIONAL COVER WALKWAY FP3 UNDER PMI 006	115	30-Nov-20	23-Apr-21	30-Nov-20	23-Apr-21	C						†				••••		
	KTD.FP3.1000	Land allocation/taking over from MTRO/LandsD for construction of additional footpath and cover walkway FP3	0	30-Nov-20		30-Nov-20		0	2		•				1					
	KTD.FP3.1010	Site clearence and formation works (1 team)	18	30-Nov-20	19-Dec-20	30-Nov-20	19-Dec-20	0	1					<u> </u>		+			· • • • • • • • • • • • • • • • • • • •	
	KTD.FP3.1020	Construction of storm drain system (Incl. u-channel and catch pits, 15m3 conc., 1 team)	18	07-Dac-20	29-Dec-20	07-Dec-20	29-Dec-20	0	1											
	KTD.FP3.1030	Implement TTA for connection of storm drain system to existing manhole	1	30-Dec-20	30-Dec-20	07-Apr-21	07-Apr-21	76	1			j		÷					++	
	KTD.FP3.1040	Remove pavement, excavate for drain pipe laying and cast concrete surround (10m-L, 5.4m3 exca, 2m3 conc,	8	31-Dec-20	09-Jan-21	08-Apr-21	16-Apr-21	76	1			8	i t							
	KTD.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			ри : П							+	
	KTD.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								
	KTD.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			1				••••	<u>.</u>	
	KTD.FP3.1080	Construction of foundation for footpath cover (230m3 conc, 1 team)	12	21-Dec-20	08-Jan-21	21-Dec-20	06-Jan-21	0	1											
	KTD.FP3.1090	Installation of steel frame of footpath cover, site hoarding and lighting system	15	30-Dec-20	16-Jan-21	30-Dec-20	16-Jan-21	0	1							†		····	4	
	KTD.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								
	KTD.FP3.1104	Construction/Installation for additional works for FP3 under CE028	76	18-Jan-21	23-Apr-21	18-Jan-21	23-Apr-21	0	1	k						+			·	
	KTD.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											
	KTD.FP3.1110	Planned Completion of Additional Footpath and Cover Walkway FP3 under PMI 006	0		23-Apr-21		23-Apr-21	0	2			- Marianana	\$							·
PR	OJECT ESTABLISHME	ENT WORKS	1450	12-Jan-22	31-Dec-25	27-Sep-23	30-Jun-26	181	2							Wards and some state				
К	TD.EW.1000	Establishment works for all landscape softworks (except Parts 3, 4 and 6)	365	19-Jul-23	17-Jul-24	28-Dec-23	26-Dec-24	162	2					†						
K	TD.EW.1010	Establishment works for landscape softworks within Part 3 (Subj to excision within 416 days)	365	21-Feb-23	20-Feb-24	26-Feb-24	24-Feb-25	370	2										: .	
К	TD.EW.1020	Establishment works for landscape softworks within Part 4 (Subj to excision within 244 days)	365	12-Jan-22	11-Jan-23	26-Feb-24	24-Feb-25	775	2							In the second second	<u> </u>			
K	TD.EW.1030	Establishment works for landscape softworks within Part 6	365	01-Jan-25	31-Dec-25		30-Jun-26	181	2				1					and the second s		
	TD.EW.1040	Establishment works for landscape softworks under Section 1	365	27-Sep-23	25-Sep-24	27-Sep-23	25-Sep-24	0	2	ļ <mark>.</mark>										
	TD.EW.1050	Planned Contract Completion Date	D		31-Dec-25	1	30-Jun-26	181	2				1					1		NAME OF TAXABLE PARTY.

Project Baseline Bar •

Critical Remaining Work



# 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 November 2023

November 2023

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

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 December 2023

December 2023

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

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**

## Impact Air Quality Monitoring



Measurement setup at AM2(A)



Measurement setup at AM3

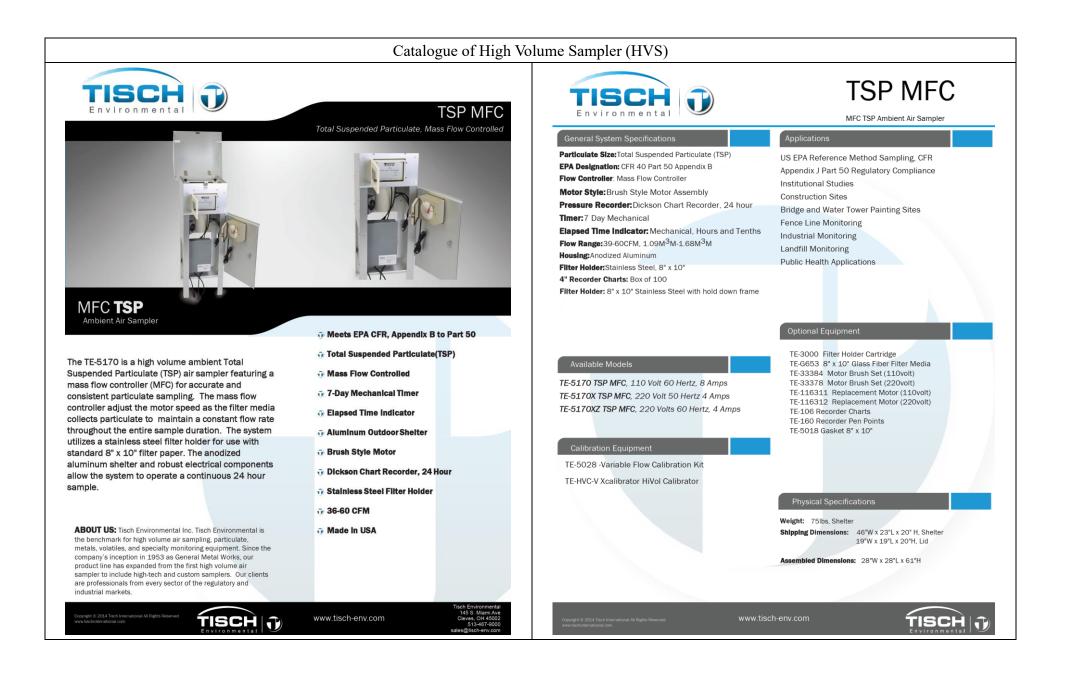


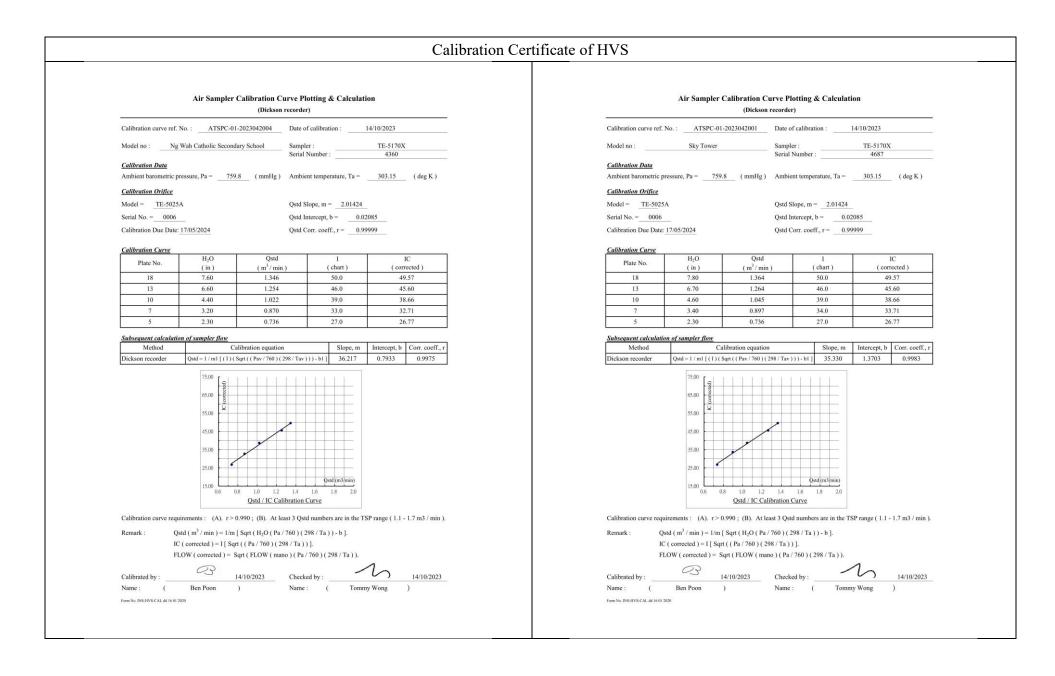
Weather Station at the rooftop of Ng Wah Catholic Secondary School

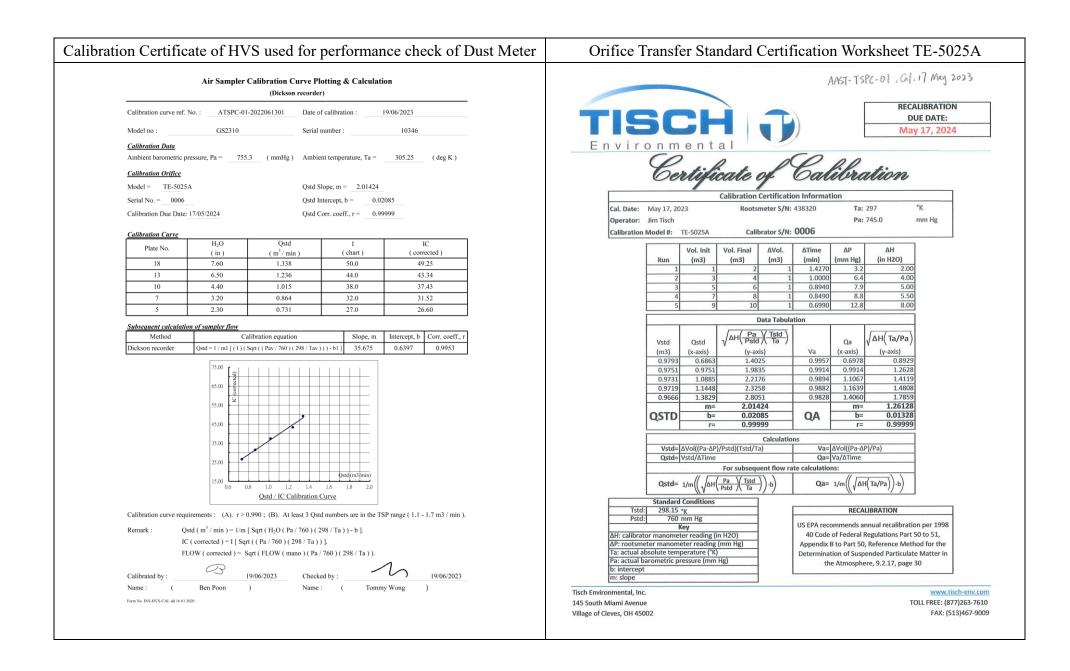
## Impact Noise Monitoring



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







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.

## **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

## Sensitivity Sensor Type

Catalogue of Dust Meter (TSI Sidepak AM510)

```
670 nm laser diode
                              0.001 to 20 mg/m<sup>3</sup>
Aerosol
Concentration Range
                              (calibrated to respirable
                              fraction of ISO 12103-1,
                              A1 test dust)
Particle Size Range
                              0.1 to 10 micrometer (µm)
Minimum Resolution
                              0.001 mg/m<sup>3</sup>
Zero stability
                              ±0.001 mg/m³ over 24 hours
                              using 10-second time-constant
Temperature Coefficient
                              Approximately +0.0005 mg/m<sup>3</sup> per
                              °C (for variations from temperature
                              at which instrument was last zeroed)
```

### Flow Rate Range

Storage Range

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

90° light scattering,

### **Temperature Range** Operating Range

32 to 120°F (0 to 50°C) -4 to 140°F (-20 to 60°C)

### **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 3, with user-defined labels 0.1 to 10.0, user-adjustable

### Physical External Dimensions

Range

4.2 x 3.7 x 2.8 in. (106 x 92 x 70 mm) 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 16 oz (0.46 kg) with 801723, 801724, Weight 801729 or 801743 battery 19 oz (0.54 kg) with 801708, 01722, 801728, 801735, or 801736 battery Display Tripod Socket 2 line x 12 character LCD 1/4-20 female thread

## Power Supply/Charger (P/N 2613210) Input Voltage Range 100 to 240 VAC, 50 to 60 Hz

Input Voltage Range Output Voltage 9 VDC @ 10 A

### Maintenance Factory Clean/Calibrate

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

## Communications Interface

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

### **Minimum Computer Requirements for** TrakPro™ Data Analysis Software

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

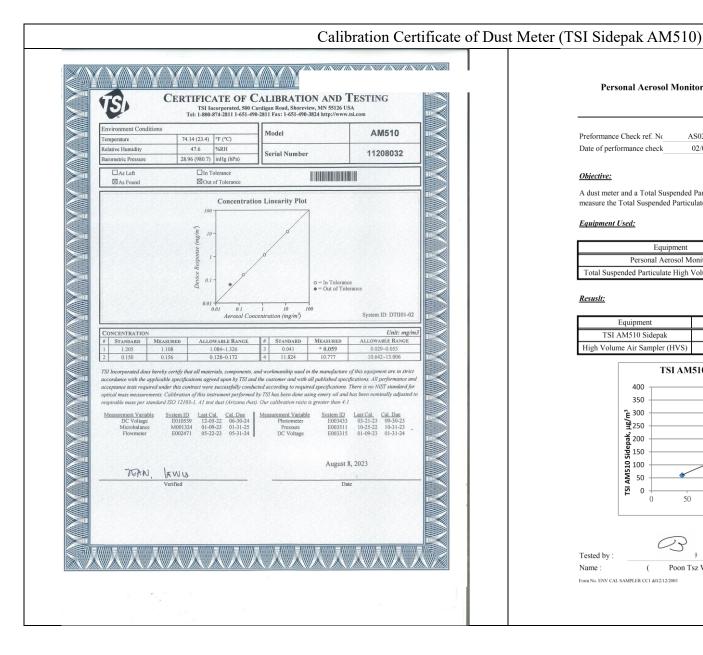
## **Battery Performance**

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	AS0220602-1	Report Issue Date	02/06/2023
Date of performance check	02/06/2023		

## Objective:

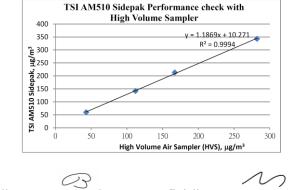
A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

## Equipment Used:

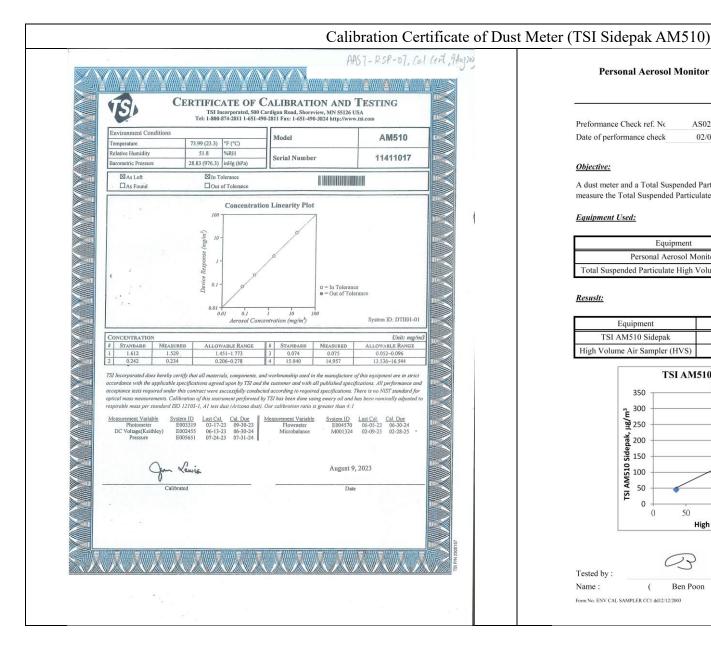
Equipment	Manufacturer and Model	Serial Number
Personal Aerosol Monitor	TSI AM510 Sidepak	11208032
Total Suspended Particulate High Volume Air Sampler	GS2310	10346

## <u>Resustt:</u>

Equipment		Measurement Result, µg/m3							
TSI AM510 Sidepak	60	142	213	343					
High Volume Air Sampler (HVS)	43	112	167	282					



Tested by Checked by Name : Poon Tsz Wing Name : Wong Yin Tong ( ( Form No. ENV CAL SAMPLER CC1 dd12/12/2003



## Personal Aerosol Monitor Performance check with High Volume Sampler

Preformance Check ref. No	AS0220602-5	Report Issue Date
Date of performance check	02/06/2023	

02/06/2023

## **Objective:**

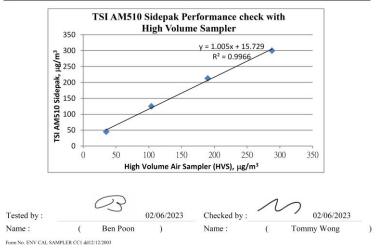
A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

## Equipment Used:

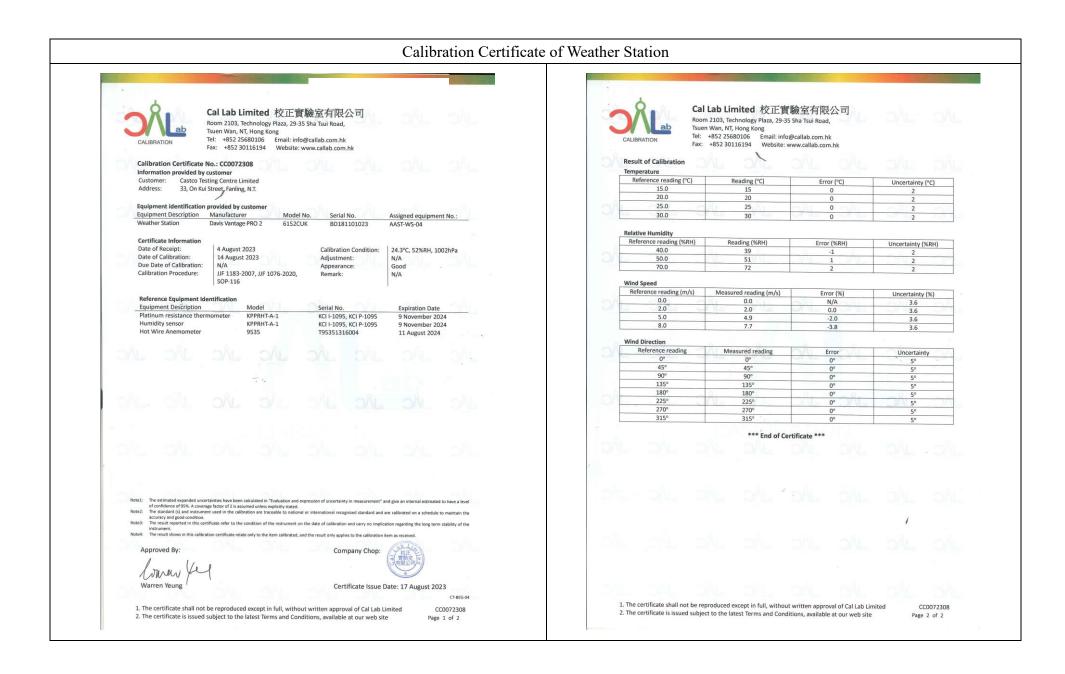
Equipment	Manufacturer and Model	Serial Number
Personal Aerosol Monitor	TSI AM510 Sidepak	11411017
Total Suspended Particulate High Volume Air Sampler	GS2310	10346

## Resust:

Equipment	Measurement Result, µg/m3			
TSI AM510 Sidepak	45	125	213	300
High Volume Air Sampler (HVS)	35	104	190	288



### 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



# Appendix F – Weather information

## General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)	Mean Relative Humidity (%)
01/11/2023	23.6	29.1	0	70
02/11/2023	24.4	28.4	0	75
03/11/2023	24.3	29.1	0	78
04/11/2023	24.7	29.4	0	76
05/11/2023	25	30.1	0	77
06/11/2023	25.3	30.7	0	65
07/11/2023	25.3	26.8	0	70
08/11/2023	24.7	26	0	77
09/11/2023	24.8	27.3	Trace	81
10/11/2023	25.6	29.3	0	82
11/11/2023	24.8	26.5	2.5	85
12/11/2023	22	26.6	0.6	77
13/11/2023	20.3	25.2	0	67
14/11/2023	18.9	23.9	0	70
15/11/2023	20.7	25.2	0	71
16/11/2023	17.3	24	0	65
17/11/2023	15.6	21.9	0	37
18/11/2023	16.6	23	0	42
19/11/2023	18.5	23.3	0	59
20/11/2023	19	24.6	0	65
21/11/2023	20.3	24.6	0	70
22/11/2023	20.5	25.7	0	73
23/11/2023	20.5	26.3	0	74
24/11/2023	21.5	25	0	67
25/11/2023	20	24.3	0	66
26/11/2023	19.8	25.3	0	68
27/11/2023	20.2	26.7	0	68
28/11/2023	20.2	25.4	Trace	61
29/11/2023	21.2	24	0.2	73
30/11/2023	21.9	26	0	73

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=2023&m=11

## Kai Tak Runway Park Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)
01/11/2023	23.6	29.2
02/11/2023	24.3	27.4
03/11/2023	24.3	28.6
04/11/2023	24.6	29.4
05/11/2023	24.8	29.7
06/11/2023	25.1	32.0
07/11/2023	25.4	27.1
08/11/2023	24.5	25.7
09/11/2023	24.6	26.8
10/11/2023	25.5	29.1
11/11/2023	24.5	26.3
12/11/2023	22.0	26.4
13/11/2023	20.4	25.5
14/11/2023	19.1	24.6
15/11/2023	20.6	25.3
16/11/2023	17.1	24.4
17/11/2023	15.9	22.9
18/11/2023	16.5	23.8
19/11/2023	18.7	23.6
20/11/2023	19.0	25.4
21/11/2023	20.1	25.6
22/11/2023	20.5	26.4
23/11/2023	20.1	27.8
24/11/2023	21.5	25.4
25/11/2023	19.8	24.8
26/11/2023	19.4	26.0
27/11/2023	19.8	28.4
28/11/2023	20.5	25.5
29/11/2023	20.8	24.2
30/11/2023	21.7	26.8

NOTE1: The above weather information was obtained from manned weather station of Kai Tak Runway Park.

https://i-lens.hk/hkweather/history\_chart.php?date=2023-11-01&chart\_type=DG\_TEMP

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
01/11/2023	0:00	0.4	135	02/11/2023	0:00	0.4	112.5	03/11/2023	0:00	0.9	90	04/11/2023	0:00	1.3	270
01/11/2023	1:00	0.4	112.5	02/11/2023	1:00	0.9	112.5	03/11/2023	1:00	1.3	112.5	04/11/2023	1:00	0.9	270
01/11/2023	2:00	0.4	112.5	02/11/2023	2:00	0.9	90	03/11/2023	2:00	1.8	112.5	04/11/2023	2:00	1.3	247.5
01/11/2023	3:00	0.4	112.5	02/11/2023	3:00	0.4	90	03/11/2023	3:00	2.2	112.5	04/11/2023	3:00	1.8	270
01/11/2023	4:00	0.4	135	02/11/2023	4:00	0.4	112.5	03/11/2023	4:00	1.3	315	04/11/2023	4:00	2.2	270
01/11/2023	5:00	0.4	112.5	02/11/2023	5:00	0.9	112.5	03/11/2023	5:00	0.4	337.5	04/11/2023	5:00	1.3	247.5
01/11/2023	6:00	0.4	112.5	02/11/2023	6:00	1.3	90	03/11/2023	6:00	1.3	112.5	04/11/2023	6:00	0.9	247.5
01/11/2023	7:00	0.4	112.5	02/11/2023	7:00	1.3	90	03/11/2023	7:00	1.8	90	04/11/2023	7:00	0.4	90
01/11/2023	8:00	0.4	112.5	02/11/2023	8:00	0.9	112.5	03/11/2023	8:00	1.3	112.5	04/11/2023	8:00	0.4	90
01/11/2023	9:00	0.4	315	02/11/2023	9:00	0.4	112.5	03/11/2023	9:00	1.3	112.5	04/11/2023	9:00	0.4	112.5
01/11/2023	10:00	0.4	337.5	02/11/2023	10:00	0.9	112.5	03/11/2023	10:00	1.8	90	04/11/2023	10:00	0.4	112.5
01/11/2023	11:00	0.4	112.5	02/11/2023	11:00	0.9	90	03/11/2023	11:00	1.8	90	04/11/2023	11:00	0.4	135
01/11/2023	12:00	0.9	90	02/11/2023	12:00	0.4	90	03/11/2023	12:00	1.3	22.5	04/11/2023	12:00	0.4	112.5
01/11/2023	13:00	0.4	112.5	02/11/2023	13:00	0.4	112.5	03/11/2023	13:00	1.3	45	04/11/2023	13:00	0.4	112.5
01/11/2023	14:00	0.4	112.5	02/11/2023	14:00	0.9	112.5	03/11/2023	14:00	1.8	45	04/11/2023	14:00	0.4	112.5
01/11/2023	15:00	0.4	112.5	02/11/2023	15:00	1.3	90	03/11/2023	15:00	1.8	112.5	04/11/2023	15:00	0.4	112.5
01/11/2023	16:00	0.4	135	02/11/2023	16:00	1.3	90	03/11/2023	16:00	2.2	112.5	04/11/2023	16:00	0.4	315
01/11/2023	17:00	0.4	112.5	02/11/2023	17:00	0.4	135	03/11/2023	17:00	2.7	337.5	04/11/2023	17:00	0.4	337.5
01/11/2023	18:00	0.4	112.5	02/11/2023	18:00	0	135	03/11/2023	18:00	2.2	112.5	04/11/2023	18:00	0.4	112.5
01/11/2023	19:00	0.4	112.5	02/11/2023	19:00	0.4	135	03/11/2023	19:00	2.2	45	04/11/2023	19:00	0.9	90
01/11/2023	20:00	0.4	112.5	02/11/2023	20:00	0.4	135	03/11/2023	20:00	2.7	112.5	04/11/2023	20:00	0.4	112.5
01/11/2023	21:00	0.4	315	02/11/2023	21:00	0.4	112.5	03/11/2023	21:00	1.3	90	04/11/2023	21:00	0.9	112.5
01/11/2023	22:00	0.4	337.5	02/11/2023	22:00	0.9	112.5	03/11/2023	22:00	1.3	90	04/11/2023	22:00	0.4	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	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
01/11/2023	23:00	0.4	112.5	02/11/2023	23:00	0.4	112.5	03/11/2023	23:00	0.4	90	04/11/2023	23:00	0.9	112.5
05/11/2023	0:00	0.9	112.5	06/11/2023	0:00	0.4	135	07/11/2023	0:00	0.9	157.5	08/11/2023	0:00	0.4	157.5
05/11/2023	1:00	2.2	112.5	06/11/2023	1:00	0.4	67.5	07/11/2023	1:00	0.9	22.5	08/11/2023	1:00	0.9	157.5
05/11/2023	2:00	1.8	90	06/11/2023	2:00	1.3	112.5	07/11/2023	2:00	0.4	22.5	08/11/2023	2:00	0.9	22.5
05/11/2023	3:00	1.8	112.5	06/11/2023	3:00	0.9	135	07/11/2023	3:00	0.4	45	08/11/2023	3:00	0.4	22.5
05/11/2023	4:00	1.8	90	06/11/2023	4:00	0.4	112.5	07/11/2023	4:00	0.9	135	08/11/2023	4:00	0.4	45
05/11/2023	5:00	1.8	90	06/11/2023	5:00	0.9	112.5	07/11/2023	5:00	0.9	112.5	08/11/2023	5:00	0.9	135
05/11/2023	6:00	1.8	67.5	06/11/2023	6:00	0.9	90	07/11/2023	6:00	1.3	135	08/11/2023	6:00	0.4	112.5
05/11/2023	7:00	1.3	157.5	06/11/2023	7:00	0.9	292.5	07/11/2023	7:00	1.3	135	08/11/2023	7:00	0.4	135
05/11/2023	8:00	1.3	225	06/11/2023	8:00	0.9	112.5	07/11/2023	8:00	0.9	22.5	08/11/2023	8:00	0.4	112.5
05/11/2023	9:00	0.9	22.5	06/11/2023	9:00	0.9	247.5	07/11/2023	9:00	0.4	112.5	08/11/2023	9:00	0.4	90
05/11/2023	10:00	0.9	22.5	06/11/2023	10:00	0.9	247.5	07/11/2023	10:00	0.4	112.5	08/11/2023	10:00	0.9	90
05/11/2023	11:00	1.3	337.5	06/11/2023	11:00	1.3	315	07/11/2023	11:00	1.3	112.5	08/11/2023	11:00	1.3	135
05/11/2023	12:00	1.8	270	06/11/2023	12:00	0.9	157.5	07/11/2023	12:00	0.4	112.5	08/11/2023	12:00	1.3	90
05/11/2023	13:00	0.9	337.5	06/11/2023	13:00	0.9	22.5	07/11/2023	13:00	0.9	292.5	08/11/2023	13:00	0.4	315
05/11/2023	14:00	0.9	90	06/11/2023	14:00	0.4	22.5	07/11/2023	14:00	0.4	112.5	08/11/2023	14:00	0.4	67.5
05/11/2023	15:00	0.9	22.5	06/11/2023	15:00	0.4	45	07/11/2023	15:00	0.4	112.5	08/11/2023	15:00	1.3	112.5
05/11/2023	16:00	0.9	22.5	06/11/2023	16:00	0.9	135	07/11/2023	16:00	0.4	135	08/11/2023	16:00	0.9	135
05/11/2023	17:00	0.9	22.5	06/11/2023	17:00	0.9	112.5	07/11/2023	17:00	0.9	135	08/11/2023	17:00	0.4	112.5
05/11/2023	18:00	0.4	22.5	06/11/2023	18:00	1.3	135	07/11/2023	18:00	0.4	112.5	08/11/2023	18:00	0.9	112.5
05/11/2023	19:00	0.4	90	06/11/2023	19:00	1.3	135	07/11/2023	19:00	0.9	67.5	08/11/2023	19:00	0.9	90
05/11/2023	20:00	0.4	90	06/11/2023	20:00	0.9	22.5	07/11/2023	20:00	0.9	112.5	08/11/2023	20:00	0.9	67.5
05/11/2023	21:00	0.4	90	06/11/2023	21:00	0.4	112.5	07/11/2023	21:00	0.9	337.5	08/11/2023	21:00	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	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
05/11/2023	22:00	0.9	247.5	06/11/2023	22:00	0.4	112.5	07/11/2023	22:00	0.4	247.5	08/11/2023	22:00	0.9	337.5
05/11/2023	23:00	0.4	180	06/11/2023	23:00	1.3	112.5	07/11/2023	23:00	0.4	247.5	08/11/2023	23:00	0.9	337.5
09/11/2023	0:00	0.9	157.5	10/11/2023	0:00	0.9	22.5	11/11/2023	0:00	0.9	157.5	12/11/2023	0:00	0.4	22.5
09/11/2023	1:00	0.4	202.5	10/11/2023	1:00	1.3	22.5	11/11/2023	1:00	0.4	135	12/11/2023	1:00	0.4	22.5
09/11/2023	2:00	0.4	112.5	10/11/2023	2:00	1.3	45	11/11/2023	2:00	0.9	157.5	12/11/2023	2:00	0.9	45
09/11/2023	3:00	1.3	157.5	10/11/2023	3:00	0.9	135	11/11/2023	3:00	0.9	202.5	12/11/2023	3:00	0.9	135
09/11/2023	4:00	0.9	90	10/11/2023	4:00	0.4	112.5	11/11/2023	4:00	0.9	135	12/11/2023	4:00	1.3	112.5
09/11/2023	5:00	0.4	90	10/11/2023	5:00	0.9	135	11/11/2023	5:00	0.9	315	12/11/2023	5:00	1.3	135
09/11/2023	6:00	0.4	22.5	10/11/2023	6:00	1.3	135	11/11/2023	6:00	0.9	112.5	12/11/2023	6:00	0.9	135
09/11/2023	7:00	1.3	90	10/11/2023	7:00	0.9	22.5	11/11/2023	7:00	0.9	225	12/11/2023	7:00	0.4	22.5
09/11/2023	8:00	0.9	45	10/11/2023	8:00	0.4	112.5	11/11/2023	8:00	0.9	225	12/11/2023	8:00	0.4	112.5
09/11/2023	9:00	0.4	90	10/11/2023	9:00	0.4	112.5	11/11/2023	9:00	1.3	157.5	12/11/2023	9:00	1.3	112.5
09/11/2023	10:00	0.9	90	10/11/2023	10:00	1.3	112.5	11/11/2023	10:00	0.9	112.5	12/11/2023	10:00	0.9	112.5
09/11/2023	11:00	0.9	112.5	10/11/2023	11:00	0.9	112.5	11/11/2023	11:00	0.4	180	12/11/2023	11:00	0.4	112.5
09/11/2023	12:00	0.9	202.5	10/11/2023	12:00	0.4	315	11/11/2023	12:00	0.4	67.5	12/11/2023	12:00	0.4	112.5
09/11/2023	13:00	0.9	45	10/11/2023	13:00	0.9	67.5	11/11/2023	13:00	1.3	112.5	12/11/2023	13:00	1.3	135
09/11/2023	14:00	0.9	45	10/11/2023	14:00	1.3	90	11/11/2023	14:00	0.9	135	12/11/2023	14:00	0.9	90
09/11/2023	15:00	1.8	90	10/11/2023	15:00	1.8	90	11/11/2023	15:00	0.4	112.5	12/11/2023	15:00	1.8	157.5
09/11/2023	16:00	1.3	112.5	10/11/2023	16:00	0.9	90	11/11/2023	16:00	0.9	112.5	12/11/2023	16:00	1.8	90
09/11/2023	17:00	1.8	112.5	10/11/2023	17:00	1.3	112.5	11/11/2023	17:00	0.9	90	12/11/2023	17:00	1.8	112.5
09/11/2023	18:00	2.7	135	10/11/2023	18:00	0.9	22.5	11/11/2023	18:00	0.9	292.5	12/11/2023	18:00	1.8	112.5
09/11/2023	19:00	2.2	112.5	10/11/2023	19:00	1.3	22.5	11/11/2023	19:00	0.9	112.5	12/11/2023	19:00	1.3	112.5
09/11/2023	20:00	1.8	135	10/11/2023	20:00	1.3	22.5	11/11/2023	20:00	0.9	337.5	12/11/2023	20:00	1.3	90

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
09/11/2023	21:00	1.8	90	10/11/2023	21:00	0.4	22.5	11/11/2023	21:00	0.4	247.5	12/11/2023	21:00	0.9	112.5
09/11/2023	22:00	0.4	112.5	10/11/2023	22:00	0.4	22.5	11/11/2023	22:00	0.4	157.5	12/11/2023	22:00	0.9	135
09/11/2023	23:00	0.4	112.5	10/11/2023	23:00	0.9	22.5	11/11/2023	23:00	0.4	157.5	12/11/2023	23:00	0.9	112.5
13/11/2023	0:00	0.4	22.5	14/11/2023	0:00	0.9	157.5	15/11/2023	0:00	1.8	135	16/11/2023	0:00	0.9	135
13/11/2023	1:00	0.4	22.5	14/11/2023	1:00	0.9	22.5	15/11/2023	1:00	0.9	67.5	16/11/2023	1:00	0.9	112.5
13/11/2023	2:00	0.9	45	14/11/2023	2:00	0.4	22.5	15/11/2023	2:00	1.3	112.5	16/11/2023	2:00	0.9	135
13/11/2023	3:00	0.4	135	14/11/2023	3:00	0.4	45	15/11/2023	3:00	0.9	112.5	16/11/2023	3:00	1.3	112.5
13/11/2023	4:00	0.4	112.5	14/11/2023	4:00	0.9	135	15/11/2023	4:00	0.4	135	16/11/2023	4:00	0.9	135
13/11/2023	5:00	0.9	135	14/11/2023	5:00	0.9	112.5	15/11/2023	5:00	0.4	135	16/11/2023	5:00	1.3	67.5
13/11/2023	6:00	0.4	135	14/11/2023	6:00	0.4	135	15/11/2023	6:00	0.4	135	16/11/2023	6:00	1.3	157.5
13/11/2023	7:00	0.9	22.5	14/11/2023	7:00	0	135	15/11/2023	7:00	0.9	67.5	16/11/2023	7:00	1.3	135
13/11/2023	8:00	0.4	45	14/11/2023	8:00	0	22.5	15/11/2023	8:00	0.9	157.5	16/11/2023	8:00	1.3	112.5
13/11/2023	9:00	0.4	135	14/11/2023	9:00	0	112.5	15/11/2023	9:00	0.9	67.5	16/11/2023	9:00	0.9	112.5
13/11/2023	10:00	0.4	202.5	14/11/2023	10:00	0	112.5	15/11/2023	10:00	0.4	112.5	16/11/2023	10:00	0.9	135
13/11/2023	11:00	0.4	202.5	14/11/2023	11:00	0.9	135	15/11/2023	11:00	0.9	112.5	16/11/2023	11:00	0.9	112.5
13/11/2023	12:00	0.9	135	14/11/2023	12:00	0.9	135	15/11/2023	12:00	0	22.5	16/11/2023	12:00	0.9	135
13/11/2023	13:00	0.4	112.5	14/11/2023	13:00	0.9	112.5	15/11/2023	13:00	0.4	45	16/11/2023	13:00	0.9	135
13/11/2023	14:00	0.9	112.5	14/11/2023	14:00	0.9	90	15/11/2023	14:00	0.4	315	16/11/2023	14:00	0.9	112.5
13/11/2023	15:00	0.4	112.5	14/11/2023	15:00	0.9	90	15/11/2023	15:00	0.4	112.5	16/11/2023	15:00	0.9	135
13/11/2023	16:00	0.4	135	14/11/2023	16:00	0.9	90	15/11/2023	16:00	0.4	135	16/11/2023	16:00	1.3	67.5
13/11/2023	17:00	0.4	270	14/11/2023	17:00	0.9	90	15/11/2023	17:00	0.4	112.5	16/11/2023	17:00	1.3	157.5
13/11/2023	18:00	0.4	135	14/11/2023	18:00	0.9	90	15/11/2023	18:00	0.4	45	16/11/2023	18:00	1.3	135
13/11/2023	19:00	0.4	90	14/11/2023	19:00	0.9	90	15/11/2023	19:00	0.4	315	16/11/2023	19:00	1.3	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	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
13/11/2023	20:00	0.4	22.5	14/11/2023	20:00	0.4	90	15/11/2023	20:00	0.4	112.5	16/11/2023	20:00	0.9	112.5
13/11/2023	21:00	0.4	112.5	14/11/2023	21:00	1.8	90	15/11/2023	21:00	0.4	135	16/11/2023	21:00	0.9	135
13/11/2023	22:00	0.4	90	14/11/2023	22:00	1.3	135	15/11/2023	22:00	0.4	112.5	16/11/2023	22:00	0.9	112.5
13/11/2023	23:00	0.4	67.5	14/11/2023	23:00	1.3	112.5	15/11/2023	23:00	1.3	90	16/11/2023	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	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
17/11/2023	0:00	0.9	112.5	18/11/2023	0:00	0.9	292.5	19/11/2023	0:00	1.3	90	20/11/2023	0:00	0.4	22.5
17/11/2023	1:00	0.9	67.5	18/11/2023	1:00	0.9	112.5	19/11/2023	1:00	1.3	135	20/11/2023	1:00	0.9	337.5
17/11/2023	2:00	0.9	112.5	18/11/2023	2:00	0.9	135	19/11/2023	2:00	0.9	135	20/11/2023	2:00	0.9	45
17/11/2023	3:00	0.4	337.5	18/11/2023	3:00	0.9	135	19/11/2023	3:00	1.3	112.5	20/11/2023	3:00	1.3	90
17/11/2023	4:00	0.9	67.5	18/11/2023	4:00	1.3	135	19/11/2023	4:00	0.9	202.5	20/11/2023	4:00	1.3	45
17/11/2023	5:00	1.3	67.5	18/11/2023	5:00	0.9	315	19/11/2023	5:00	0.4	180	20/11/2023	5:00	1.3	112.5
17/11/2023	6:00	0.9	90	18/11/2023	6:00	1.3	112.5	19/11/2023	6:00	0.4	337.5	20/11/2023	6:00	1.3	45
17/11/2023	7:00	0.9	90	18/11/2023	7:00	0.9	135	19/11/2023	7:00	0.9	112.5	20/11/2023	7:00	1.3	90
17/11/2023	8:00	0.9	67.5	18/11/2023	8:00	0.4	45	19/11/2023	8:00	0.4	135	20/11/2023	8:00	0.9	67.5
17/11/2023	9:00	0.4	112.5	18/11/2023	9:00	1.3	337.5	19/11/2023	9:00	0.4	135	20/11/2023	9:00	1.3	67.5
17/11/2023	10:00	0.9	67.5	18/11/2023	10:00	0.9	202.5	19/11/2023	10:00	0.4	135	20/11/2023	10:00	1.8	67.5
17/11/2023	11:00	1.3	112.5	18/11/2023	11:00	1.3	45	19/11/2023	11:00	0.4	112.5	20/11/2023	11:00	1.3	67.5
17/11/2023	12:00	0.9	112.5	18/11/2023	12:00	0.9	112.5	19/11/2023	12:00	0.4	112.5	20/11/2023	12:00	0.9	135
17/11/2023	13:00	1.8	112.5	18/11/2023	13:00	0.4	337.5	19/11/2023	13:00	0.9	112.5	20/11/2023	13:00	0.4	135

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
17/11/2023	14:00	0.4	112.5	18/11/2023	14:00	0.9	67.5	19/11/2023	14:00	2.2	112.5	20/11/2023	14:00	1.3	45
17/11/2023	15:00	1.3	157.5	18/11/2023	15:00	1.3	67.5	19/11/2023	15:00	2.2	112.5	20/11/2023	15:00	0.4	90
17/11/2023	16:00	1.3	90	18/11/2023	16:00	0.9	90	19/11/2023	16:00	2.2	112.5	20/11/2023	16:00	0.4	45
17/11/2023	17:00	0.9	90	18/11/2023	17:00	0.9	90	19/11/2023	17:00	2.2	67.5	20/11/2023	17:00	0.4	112.5
17/11/2023	18:00	1.3	22.5	18/11/2023	18:00	0.4	90	19/11/2023	18:00	0.4	67.5	20/11/2023	18:00	1.3	45
17/11/2023	19:00	1.3	90	18/11/2023	19:00	0.9	90	19/11/2023	19:00	0.9	112.5	20/11/2023	19:00	0.9	90
17/11/2023	20:00	1.8	45	18/11/2023	20:00	0.4	90	19/11/2023	20:00	0.9	90	20/11/2023	20:00	1.3	67.5
17/11/2023	21:00	1.8	90	18/11/2023	21:00	0.4	90	19/11/2023	21:00	1.3	112.5	20/11/2023	21:00	0.9	67.5
17/11/2023	22:00	0.9	90	18/11/2023	22:00	0.4	90	19/11/2023	22:00	1.3	67.5	20/11/2023	22:00	0.9	67.5
17/11/2023	23:00	1.8	90	18/11/2023	23:00	0.9	22.5	19/11/2023	23:00	1.3	67.5	20/11/2023	23:00	0.9	67.5
21/11/2023	0:00	0.4	90	22/11/2023	0:00	0.4	112.5	23/11/2023	0:00	0.4	90	24/11/2023	0:00	1.3	45
21/11/2023	1:00	0.4	270	22/11/2023	1:00	1.3	45	23/11/2023	1:00	0.9	90	24/11/2023	1:00	0.9	270
21/11/2023	2:00	0.4	112.5	22/11/2023	2:00	0.9	90	23/11/2023	2:00	0.9	67.5	24/11/2023	2:00	0.9	90
21/11/2023	3:00	0.4	45	22/11/2023	3:00	0.9	90	23/11/2023	3:00	0.4	90	24/11/2023	3:00	0.9	337.5
21/11/2023	4:00	1.3	90	22/11/2023	4:00	0.4	67.5	23/11/2023	4:00	0.4	45	24/11/2023	4:00	1.3	90
21/11/2023	5:00	0.4	90	22/11/2023	5:00	0.4	90	23/11/2023	5:00	1.3	270	24/11/2023	5:00	0.4	112.5
21/11/2023	6:00	0.4	67.5	22/11/2023	6:00	0.9	45	23/11/2023	6:00	1.3	90	24/11/2023	6:00	1.3	67.5
21/11/2023	7:00	0.9	90	22/11/2023	7:00	0.4	270	23/11/2023	7:00	0.4	337.5	24/11/2023	7:00	0.9	67.5
21/11/2023	8:00	0.4	45	22/11/2023	8:00	0.4	90	23/11/2023	8:00	0.4	90	24/11/2023	8:00	0.9	67.5
21/11/2023	9:00	0.4	270	22/11/2023	9:00	0.9	337.5	23/11/2023	9:00	1.3	112.5	24/11/2023	9:00	0.9	67.5
21/11/2023	10:00	0.4	90	22/11/2023	10:00	0.4	90	23/11/2023	10:00	1.3	67.5	24/11/2023	10:00	0.4	67.5
21/11/2023	11:00	0.4	45	22/11/2023	11:00	0.4	112.5	23/11/2023	11:00	0.9	90	24/11/2023	11:00	0.4	67.5
21/11/2023	12:00	0.4	90	22/11/2023	12:00	1.3	67.5	23/11/2023	12:00	0.9	247.5	24/11/2023	12:00	0.9	67.5
21/11/2023	13:00	0.4	90	22/11/2023	13:00	1.3	112.5	23/11/2023	13:00	0.4	135	24/11/2023	13:00	0.4	67.5

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
21/11/2023	14:00	0.4	67.5	22/11/2023	14:00	0.9	90	23/11/2023	14:00	0	135	24/11/2023	14:00	0.4	67.5
21/11/2023	15:00	0.9	90	22/11/2023	15:00	1.8	225	23/11/2023	15:00	0.4	90	24/11/2023	15:00	0.9	67.5
21/11/2023	16:00	0.4	45	22/11/2023	16:00	0.4	67.5	23/11/2023	16:00	0.4	135	24/11/2023	16:00	0.4	90
21/11/2023	17:00	0.9	270	22/11/2023	17:00	0.9	67.5	23/11/2023	17:00	0.4	22.5	24/11/2023	17:00	0.4	112.5
21/11/2023	18:00	0.9	90	22/11/2023	18:00	0.4	67.5	23/11/2023	18:00	0.9	135	24/11/2023	18:00	1.3	67.5
21/11/2023	19:00	0.9	337.5	22/11/2023	19:00	0.4	67.5	23/11/2023	19:00	0.9	112.5	24/11/2023	19:00	0.9	90
21/11/2023	20:00	1.3	90	22/11/2023	20:00	0.4	67.5	23/11/2023	20:00	0.4	112.5	24/11/2023	20:00	0.9	90
21/11/2023	21:00	1.3	180	22/11/2023	21:00	0.9	90	23/11/2023	21:00	0.4	112.5	24/11/2023	21:00	0.9	135
21/11/2023	22:00	1.3	180	22/11/2023	22:00	0.9	90	23/11/2023	22:00	0.9	112.5	24/11/2023	22:00	0.9	112.5
21/11/2023	23:00	1.3	90	22/11/2023	23:00	0.4	112.5	23/11/2023	23:00	0.9	225	24/11/2023	23:00	0.9	112.5
25/11/2023	0:00	0.4	67.5	26/11/2023	0:00	0.9	112.5	27/11/2023	0:00	1.3	45	28/11/2023	0:00	0.9	90
25/11/2023	1:00	0.9	225	26/11/2023	1:00	0.9	112.5	27/11/2023	1:00	0.4	45	28/11/2023	1:00	0.9	67.5
25/11/2023	2:00	0.9	67.5	26/11/2023	2:00	0.9	90	27/11/2023	2:00	0.9	247.5	28/11/2023	2:00	0.4	112.5
25/11/2023	3:00	1.8	225	26/11/2023	3:00	0.9	135	27/11/2023	3:00	0.9	247.5	28/11/2023	3:00	0.4	90
25/11/2023	4:00	1.8	90	26/11/2023	4:00	0.4	247.5	27/11/2023	4:00	0.9	247.5	28/11/2023	4:00	0.9	112.5
25/11/2023	5:00	0.9	112.5	26/11/2023	5:00	0.9	180	27/11/2023	5:00	0.4	247.5	28/11/2023	5:00	0.9	90
25/11/2023	6:00	1.3	225	26/11/2023	6:00	0.9	135	27/11/2023	6:00	0.9	45	28/11/2023	6:00	0.9	315
25/11/2023	7:00	0.9	247.5	26/11/2023	7:00	0.4	90	27/11/2023	7:00	0.9	45	28/11/2023	7:00	0.4	315
25/11/2023	8:00	0.4	67.5	26/11/2023	8:00	1.3	90	27/11/2023	8:00	0.9	67.5	28/11/2023	8:00	0.9	90
25/11/2023	9:00	0.4	67.5	26/11/2023	9:00	0.9	90	27/11/2023	9:00	1.3	67.5	28/11/2023	9:00	0.9	270
25/11/2023	10:00	0.4	67.5	26/11/2023	10:00	1.3	22.5	27/11/2023	10:00	1.8	90	28/11/2023	10:00	0.9	157.5
25/11/2023	11:00	0.9	67.5	26/11/2023	11:00	0.9	22.5	27/11/2023	11:00	1.3	247.5	28/11/2023	11:00	0.9	45
25/11/2023	12:00	0.4	67.5	26/11/2023	12:00	0.9	22.5	27/11/2023	12:00	1.3	247.5	28/11/2023	12:00	1.3	45
25/11/2023	13:00	0.4	90	26/11/2023	13:00	0.9	22.5	27/11/2023	13:00	1.3	247.5	28/11/2023	13:00	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	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
25/11/2023	14:00	0.4	90	26/11/2023	14:00	1.3	22.5	27/11/2023	14:00	1.3	247.5	28/11/2023	14:00	0.9	45
25/11/2023	15:00	1.3	67.5	26/11/2023	15:00	1.3	90	27/11/2023	15:00	1.3	270	28/11/2023	15:00	0.9	45
25/11/2023	16:00	0.9	315	26/11/2023	16:00	1.3	135	27/11/2023	16:00	1.3	270	28/11/2023	16:00	0.9	45
25/11/2023	17:00	0.9	315	26/11/2023	17:00	1.3	112.5	27/11/2023	17:00	1.3	270	28/11/2023	17:00	0.4	45
25/11/2023	18:00	0.9	90	26/11/2023	18:00	1.3	135	27/11/2023	18:00	1.3	270	28/11/2023	18:00	0.9	45
25/11/2023	19:00	0.9	270	26/11/2023	19:00	1.3	112.5	27/11/2023	19:00	1.3	45	28/11/2023	19:00	0.9	45
25/11/2023	20:00	0.9	112.5	26/11/2023	20:00	1.3	135	27/11/2023	20:00	1.3	45	28/11/2023	20:00	0.9	67.5
25/11/2023	21:00	0.9	45	26/11/2023	21:00	1.3	90	27/11/2023	21:00	1.3	45	28/11/2023	21:00	1.3	67.5
25/11/2023	22:00	1.3	90	26/11/2023	22:00	1.3	157.5	27/11/2023	22:00	1.3	45	28/11/2023	22:00	1.8	90
25/11/2023	23:00	0.9	90	26/11/2023	23:00	0.9	247.5	27/11/2023	23:00	2.2	112.5	28/11/2023	23:00	2.2	90
29/11/2023	0:00	0.4	112.5	30/11/2023	0:00	0.4	45								
29/11/2023	1:00	0.4	135	30/11/2023	1:00	1.3	45								
29/11/2023	2:00	0.4	315	30/11/2023	2:00	1.3	45								
29/11/2023	3:00	0.9	90	30/11/2023	3:00	0.4	45								
29/11/2023	4:00	0.9	270	30/11/2023	4:00	0.9	45								
29/11/2023	5:00	0.4	112.5	30/11/2023	5:00	0.9	90								
29/11/2023	6:00	1.3	45	30/11/2023	6:00	0.9	135								
29/11/2023	7:00	0.9	90	30/11/2023	7:00	0.9	90								
29/11/2023	8:00	0.9	90	30/11/2023	8:00	0.9	270								
29/11/2023	9:00	0.4	67.5	30/11/2023	9:00	0.9	112.5								
29/11/2023	10:00	0.4	90	30/11/2023	10:00	0.9	45								
29/11/2023	11:00	0.9	45	30/11/2023	11:00	0.9	90								
29/11/2023	12:00	0.4	270	30/11/2023	12:00	0.4	90								
29/11/2023	13:00	0.4	90	30/11/2023	13:00	0.4	67.5								

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
29/11/2023	14:00	0.9	337.5	30/11/2023	14:00	1.8	90								
29/11/2023	15:00	0.9	90	30/11/2023	15:00	1.8	45								
29/11/2023	16:00	0.9	45	30/11/2023	16:00	1.8	270								
29/11/2023	17:00	0.9	45	30/11/2023	17:00	1.3	90								
29/11/2023	18:00	0.9	45	30/11/2023	18:00	0.9	90								
29/11/2023	19:00	0.9	45	30/11/2023	19:00	0.4	45								
29/11/2023	20:00	0.9	45	30/11/2023	20:00	0.9	45								
29/11/2023	21:00	2.2	90	30/11/2023	21:00	0.9	45								
29/11/2023	22:00	1.8	90	30/11/2023	22:00	0.9	45								
29/11/2023	23:00	1.8	90	30/11/2023	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

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

Start Date	Weather	Air Temp.	Atmospheric Pressure	Filter we	eight (g)	Particulate	Elapse	e Time	Sampling Time	Flow (cfi		Av. Flow	Total vol.	Conc. $(y,y)$
		(°C)	(hPa)	Initial	Final	weight (g)	Initial	Final	(min)	Initial	Final	(m <sup>3</sup> /min)	(m <sup>3</sup> )	$(\mu g/m^3)$
02/11/2023	Sunny	27.4	1015.5	18.0796	18.1411	0.0615	2023/11/2 9:20	2023/11/3 9:20	1440	50	50	1.35	1951	32
08/11/2023	Sunny	25.7	1015.8	18.1884	18.2545	0.0661	2023/11/8 13:30	2023/11/9 13:30	1440	52	52	1.41	2036	32
14/11/2023	Cloudy	18.8	1022.6	14.9422	15.0276	0.0854	2023/11/14 9:15	2023/11/15 9:15	1440	52	52	1.44	2067	41
20/11/2023	Sunny	25.4	1019.4	18.1503	18.2311	0.0808	2023/11/20 9:05	2023/11/21 9:05	1440	52	52	1.42	2041	40
25/11/2023	Sunny	24.8	1021	18.1193	18.2203	0.1010	2023/11/25 13:05	2023/11/26 13:05	1440	50	50	1.36	1965	51
												Maxim	um	51
												Minim	um	32
												Avera	ge	39
												Action I	Level	175

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

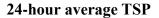
Average Action Level Limit Level

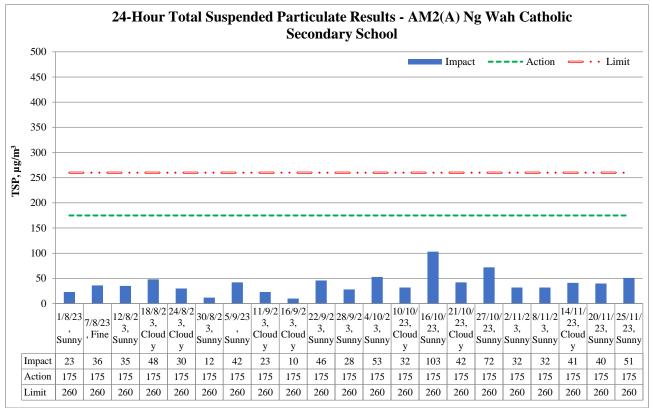
260

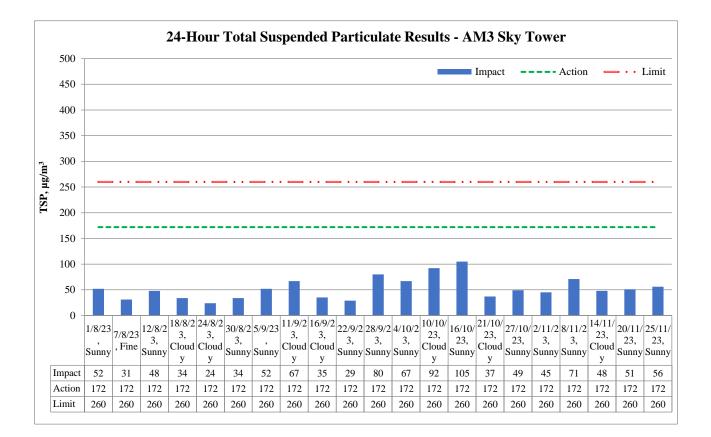
Location:	AM3 –	Sky Tower	
Location.	11115	DRy IOWEI	

Start Date	Weather	Air Temp.	Atmospheric Pressure	Filter weight (g)		Particulate	Elapse	Time	Sampling Time	Flow Rate (cfm)		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> )	$(\mu g/m^3)$
02/11/2023	Sunny	27.4	1015.5	14.9807	15.0621	0.0814	2023/11/2 13:26	2023/11/3 13:26	1440	46	46	1.26	1814	45
08/11/2023	Sunny	25.7	1015.8	18.4461	18.5748	0.1287	2023/11/8 9:29	2023/11/9 9:29	1440	46	46	1.26	1819	71
14/11/2023	Cloudy	18.8	1022.6	15.1155	15.2073	0.0918	2023/11/14 9:25	2023/11/15 9:25	1440	48	48	1.34	1930	48
20/11/2023	Sunny	25.4	1019.4	18.1588	18.2563	0.0975	2023/11/20 13:38	2023/11/21 13:38	1440	48	48	1.32	1905	51
25/11/2023	Sunny	24.8	1021	18.1061	18.2086	0.1025	2023/11/25 9:35	2023/11/26 9:35	1440	46	46	1.27	1827	56
												Maxi	mum	71
												Mini	mum	45
														<b>5</b> A

Minimum	45
Average	54
Action Level	172
Limit Level	260







		Reportin	g Period	
Major Construction Activities	Aug	Sep	Oct	Nov
	2023	2023	2023	2023
Construction works for DCS	√	✓	✓	✓
Construction works for SB-01 tunnel	$\checkmark$			
Construction of Underpinning of S14	$\checkmark$	✓		
Construction of Retaining Wall Type 1 for S14	$\checkmark$	✓	✓	✓
Construction of Pile Cap for S14		✓	✓	✓
Construction works for SMH404 and SMH505		✓	✓	✓
Construction of Permanent Shaft Structure of SB-01				✓
Demolition of bearing wall of S14			✓	✓
Modification works for Rising Main chamber WOC1, AVC2 and K1		✓	✓	✓
ELS modification and Backfilling works for Retrieving Shaft at Sa Po Road	✓			
Pre-bored socket H-pile construction works for Slip Road S14				
GI and Grouting works for Slip Road S14	✓			
Installation of post tensioning anchorage system at LW-02				✓
Erection of falseworks and working platform for decking of Elevated Walkway LW-02	$\checkmark$	~	~	~
RTBM dismantle		✓	√	
RC construction for decking of Elevated Walkway LW-02	$\checkmark$	✓	√	✓
RC construction for Subway KS10 Lift and Staircase	$\checkmark$	✓		
RC construction works for lift and staircase of LW-02	$\checkmark$	✓	√	✓
Renovation works for Subway KS10 Lift and Staircase			√	✓
Renovation works for existing subways KS9, KS32 and KS10	$\checkmark$	✓	√	✓
Road and drain construction works for Road L16	$\checkmark$			
Road and Drain Construction works for Road L16, Commercial Street and Road D1		~	~	~
Road and drain construction works for Olympic Avenue	✓	✓	✓	✓

		Reportin	g Period	
Factors might affect the monitoring results	Aug 2023	Sep 2023	Oct 2023	Nov 2023
Non-project related construction activities in the adjacent construction sites were observed.	$\checkmark$	~	~	~

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

	Date	Measure	men	nt Period	1-hr TSP concentration, μg/m <sup>3</sup>	Weather
Location:		9:00	-	10:00	44	
AM2(A) –	02/11/2023	10:00	-	11:00	44	Sunny
		11:00	-	12:00	41	
Ng Wah Catholic		13:00	-	14:00	35	
Secondary School	08/11/2023	14:00	-	15:00	36	Sunny
		15:00	-	16:00	32	
		9:00	-	10:00	52	
	14/11/2023	10:00	-	11:00	48	Cloudy
		11:00	-	12:00	48	
		9:00	-	10:00	52	
	20/11/2023	10:00	-	11:00	49	Sunny
		11:00	-	12:00	49	
		13:00	-	14:00	56	
	25/11/2023	14:00	-	15:00	51	Sunny
		15:00	-	16:00	52	
	Μ	laximum			56	
	Ν	linimum			32	
		Average			46	
		tion Level			302	
	Li	mit Level			500	

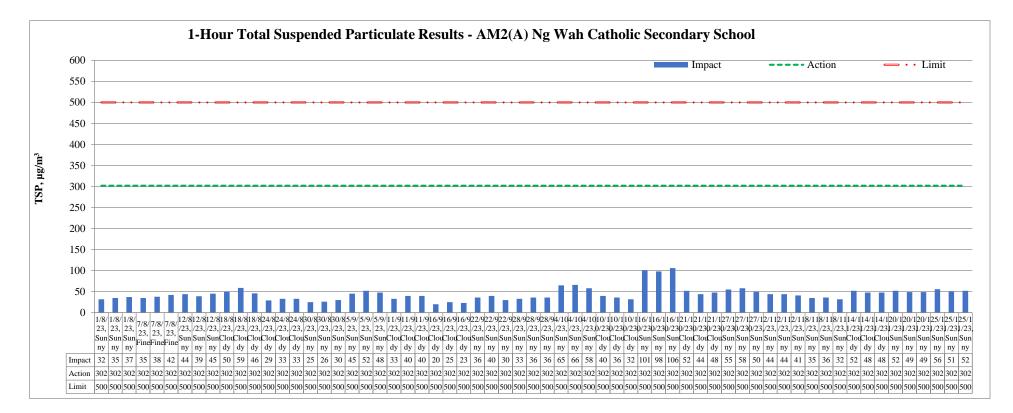
Date	Measure	emei	nt Period	1-hr TSP concentration, µg/m <sup>3</sup>	Weather
	13:00	-	14:00	67	
02/11/2023	14:00	-	15:00	70	Sunny
	15:00	-	16:00	73	
	9:00	-	10:00	44	
08/11/2023	10:00	-	11:00	49	Sunny
	11:00	-	12:00	48	
	9:00	-	10:00	53	
14/11/2023	10:00	-	11:00	53	Cloudy
	11:00	-	12:00	55	
	13:00	-	14:00	60	
20/11/2023	14:00	-	15:00	59	Sunny
	15:00	-	16:00	55	
	9:00	-	10:00	67	
25/11/2023	10:00	-	11:00	70	Sunny
	11:00	-	12:00	73	
l	Maximum			73	
]	Minimum			39	
	Average			54	
	ction Leve			301	
L	imit Leve	1		500	

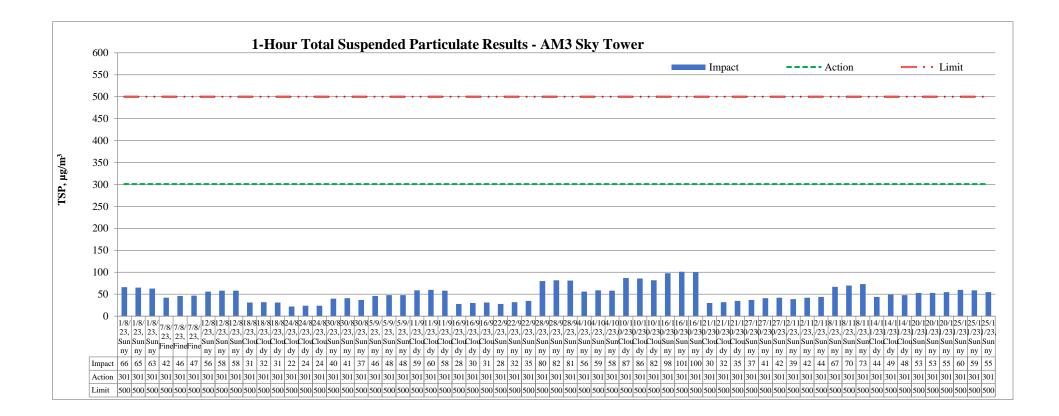
## Location:

AM3 -

Sky Tower







		Reportin	g Period	
Major Construction Activities	Aug	Sep	Oct	Nov
	2023	2023	2023	2023
Construction works for DCS	$\checkmark$	✓	✓	$\checkmark$
Construction works for SB-01 tunnel	$\checkmark$			
Construction of Underpinning of S14	$\checkmark$	$\checkmark$		
Construction of Retaining Wall Type 1 for S14	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Construction of Pile Cap for S14		✓	$\checkmark$	$\checkmark$
Construction works for SMH404 and SMH505		$\checkmark$	$\checkmark$	$\checkmark$
Construction of Permanent Shaft Structure of SB-01				$\checkmark$
Demolition of bearing wall of S14			$\checkmark$	$\checkmark$
Modification works for Rising Main chamber WOC1, AVC2 and K1		✓	$\checkmark$	$\checkmark$
ELS modification and Backfilling works for Retrieving Shaft at Sa Po Road	$\checkmark$			
Pre-bored socket H-pile construction works for Slip Road S14				
GI and Grouting works for Slip Road S14	$\checkmark$			
Installation of post tensioning anchorage system at LW-02				$\checkmark$
Erection of falseworks and working platform for decking of Elevated Walkway LW-02	$\checkmark$	✓	$\checkmark$	$\checkmark$
RTBM dismantle		✓	✓	
RC construction for decking of Elevated Walkway LW-02	$\checkmark$	✓	✓	$\checkmark$
RC construction for Subway KS10 Lift and Staircase	✓	✓		
RC construction works for lift and staircase of LW-02	✓	✓	✓	√
Renovation works for Subway KS10 Lift and Staircase			√	✓
Renovation works for existing subways KS9, KS32 and KS10	$\checkmark$	✓	✓	$\checkmark$
Road and drain construction works for Road L16	$\checkmark$			
Road and Drain Construction works for Road L16, Commercial Street and Road D1		~	~	$\checkmark$
Road and drain construction works for Olympic Avenue	$\checkmark$	✓	✓	$\checkmark$

		Reportin	g Period	
Factors might affect the monitoring results	Aug 2023	Sep 2023	Oct 2023	Nov 2023
Non-project related construction activities in the adjacent construction sites were observed.	~	~	~	~

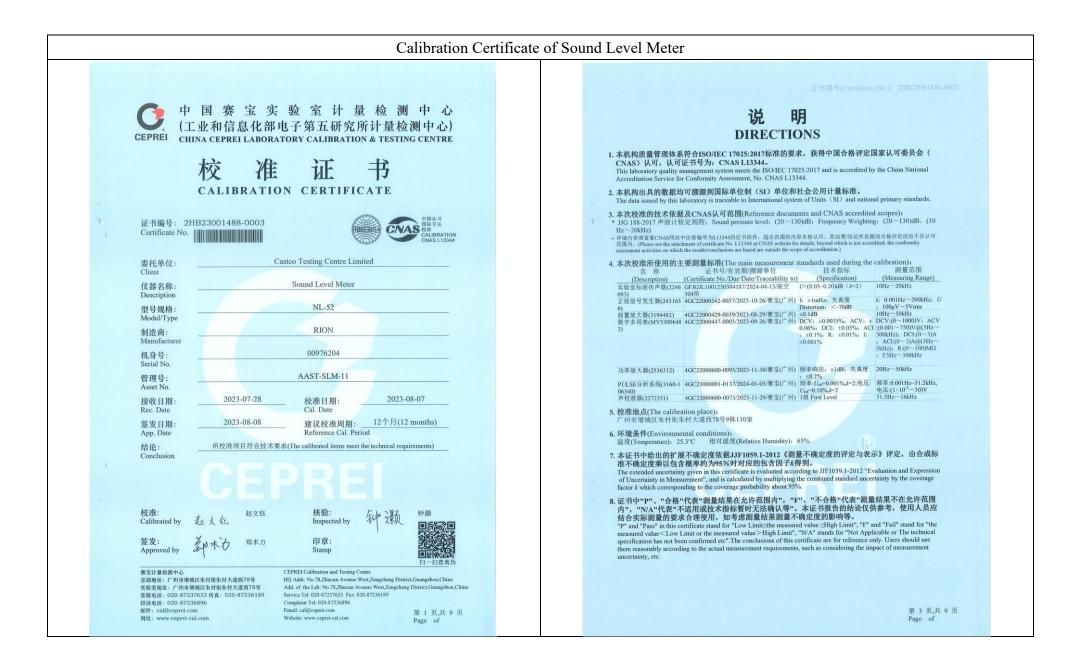
Appendix I – Event and Action Plan for air quality

		Action	n	
Event	ET	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 1 submitted by ET;</li> <li>Check Contractor's working method.</li> </ol>	I. Notify Contractor.	<ol> <li>Rectify any unacceptable practice;</li> <li>Amend working methods if appropriate.</li> </ol>
Action Level being exceeded by two or more consecutive	1. Identify source and investigate the causes of exceedance;	<ol> <li>Check monitoring data 1 submitted by ET;</li> <li>Check Contractor's</li> </ol>	notification of exceedance in writing;	1. Discuss with ET and IEC on proper remedial actions;
sampling	2. Inform Contractor, IEC and Supervisor /ER;	working method;23. Discuss with ET and3	3. In consolidation with the	2. Submit proposals for remedial actions to
	3. Increase monitoring frequency to daily;	Contractor on possible remedial measures;	IEC, agree with the Contractor on the remedial	Supervisor /ER and IEC within three working day
	4. Discuss with IEC and Contractor on remedial actions required;	on the effectiveness of the	measures to be implemented; 4. Supervise implementation	of notification; 3. Implement the agreed proposals;
	5. Assess the effectiveness of Contractor's remedial actions;	measures. 5	<ul><li>of remedial measures;</li><li>5. Conduct meeting with ET and IEC if exceedance</li></ul>	4. Amend proposal if appropriate.
	6. If exceedance continues, arrange meeting with IEC and Supervisor /ER;		continues.	
	7. If exceedance stops, cease additional monitoring.			
Limit Level being		1. Check monitoring data 1	1	1. Take immediate action to
exceeded by one sampling	investigate the causes of exceedance;	submitted by ET; 2. Check Contractor's	notification of exceedance in writing;	<ul><li>avoid further exceedance;</li><li>Discuss with ET and IEC</li></ul>
	2. Inform Contractor, IEC, Supervisor / EP, and EPD:	working method; 2 3. Discuss possible remedial 3	5	on proper remedial actions;
	<ul><li>Supervisor /ER, and EPD;</li><li>Repeat measurement to confirm finding;</li></ul>	3. Discuss possible remedial 3 measures with ET and Contractor;	IEC, agree with the Contractor on the remedial	3. Submit proposal for remedial actions to
	4. Assess effectiveness of	4. Advise the Supervisor /ER	measures to be	Supervisor /ER and IEC

		Ac	tion	
Event	ET	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</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.			

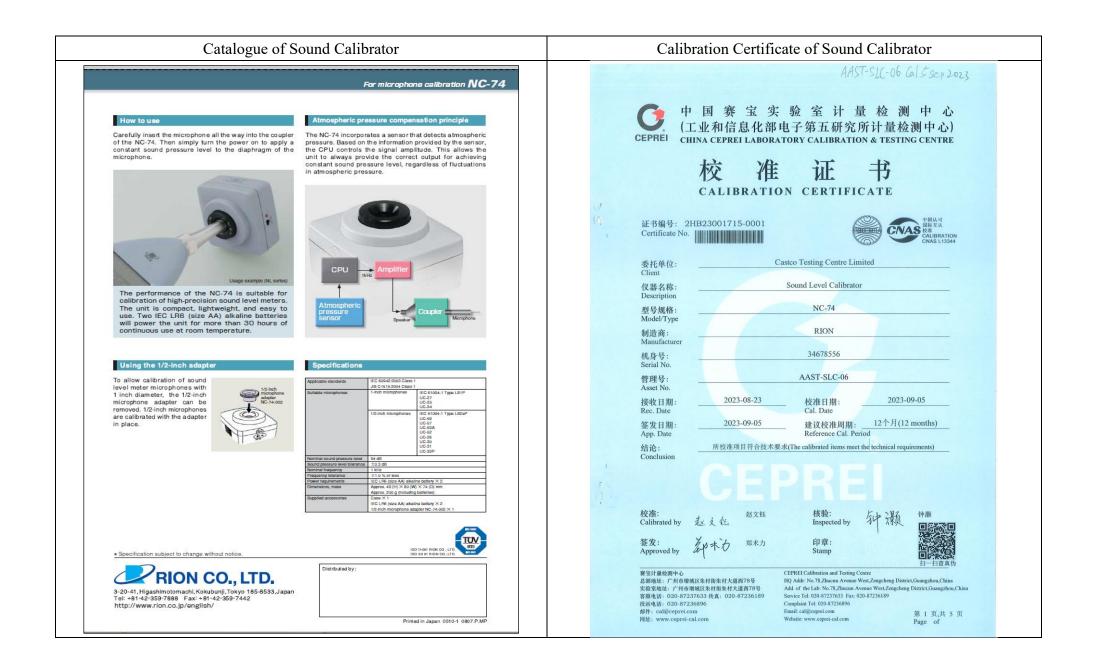
Appendix J – Calibration certificates, catalogue of noise monitoring equipment

		<u> </u>	•					
Spec	ifications							
					recall		Allows viewing of stored data	
Applicabl	e standards	NL-52	NL-42	Setup	p memo	ory	Op to five setup configurations of Start up via file settings previou	an be saved in internal memory, for later reca sly stored on SD card possible
Applicabl	e standards	ANSI S1.4-1983 Type 1	ANSI S1.4-1983 Type 2		eform rece ile forma	ording * 3	Uncompressed waveform WAV	E file
		ANSI S1.4A-1985 Type 1 ANSI S1.43-1997 Type 1	ANSI S1.4A-1985 Type 2 ANSI S1.43-1997 Type 2	Sa	ampling fi	requency	Select 48 kHz, 24 kHz or 12 kH	
	•	JIS C 1509-1: 2005 Class 1	JIS C 1509-1: 2005 Class 2		ata leng		Select 24 bit or 16 bit Output DC signals using a frequence	cy weighting characteristic selected by processin
	•	WEEE Directives, Chinese RoHS (	3. C, Low Voltage Directive 2006/95/EC), export model for China only)		Ou	itput voltage	2.5 V, 25 mV / dB at bar graph	display full scale
Measurei	ment functions	Simultaneous measurement of the	following items, with selected time		AC o	utput	Output AC signals using a freque processing or by A, C, Z-weight	ency weighting characteristic selected by ing.
Proces	ssing (main ch)	weighting and frequency weighting Instantaneous sound pressure leve	l: Lp			itput voltage parator	1 V (rms values) at bar graph d	isplay full scale or output exceeds the set value
		Equivalent continuous sound press Sound exposure level: LE	ure level: Leg		outpu			current 60 mA, allowable dissipation 300 mW
		Maximum sound pressure level: Lm		USB			Allows USB to be connected to a Allows USB to be controlled via o	computer and recognized as a removable dis communication commands
		Minimum sound pressure level: Lmi Percentile sound levels: LN (0.1 to 99	.9 %, 0.1-increment steps, max. 5 values)	RS-2	232C co	mmunication		ation via use of a dedicated cable
	ssing (sub ch)	Instantaneous sound pressure leve	l: Lp			ous output * 2 instantaneous value	Lp	
Additio	onal processing	In addition to main processing item for simultaneous processing:	s, one of the following can be selected	da	ata 🛛	Processed value	Leq, Lmax, Lmin, Lpeak 100 ms	
		C-weighted equivalent continuous s C-weighted peak sound level: LCpea		Print			Printing of measurement results	
		Z-weighted peak sound level: Lzpea	k					e or rechargeable batteries) or external power supply Ni-MH secondary battery: 25 h
		I-time-weighted equivalent continuous Maximum I-time-weighted equivalent					At the maximum * Depends on	the setting
		The power average of the maximum le	vel of each 5 second interval: LAtm 5				NC-98C (NC-34 for previous m 5 to 7 ∨ (rated voltage: 6 ∨)	paels cannot be used)
		of the sub-channel, so when the sub-channel	has A-weighting, Lates can be selected.				Approximately 90 mA (normal of -10 to +50 °C	peration, rated voltage)
		When C-weighting (Z-weighting ) is select (Lzeak) are selectable.	ed, the additional processing $L_{Ceq}$ and $L_{Cpeak}$				10 to 90 % RH (non-condensing	g)
Measurin		10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h,					IP code: IP54 (except for micro See precautions regarding wate	
Microphone	Type Sensitivity level	UC-59 -27 dB	UC-52 -33 dB	Dime	ensions,	weight		nm(D), approx. 400 g (with batteries)
Measurer	ment range	A-weighting: 25 dB to 138 dB		Supp	blied acc	cessories		-10 x 1, Windscreen fall prevention rubber x 1, batteries x 4, SD card 512 MB×1 (NX-42EX
		C-weighting: 33 dB to 138 dB Z-weighting: 38 dB to 138 dB					preinstalled model only)	
		C-weighting peak sound level: 55 d Z-weighting peak sound level: 60 d		Opti	tions			
Inherent	A-weighting	17 dB or less	19 dB or less	g = 2       work: Lxtms * 2       nd interval: Lxtms 5       with the topuency weighting s) can be selected.       as can be selected.       amum 24 h)       Different consumption       Ambient       Temperature.       conditions 1       Humidity       Dimensions, weight       Supplied accessories       Very for the manual program 20 (Laber	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	Wave	eform re	ecording progr	ram*2 (Inst.on 2 GB SD card)	NX-42WR
Frequenc		20 Hz to 20 kHz	20 Hz to 8 kHz					NX-42RT NX-42FT
Time wei	:y weighting ghting	A, C, and Z F (Fast) and S (Slow)					e for environmental measurement	AS-60
Level ran	ige ph display range max	Single range (Linearity range: 113 c Max. 110 dB (20 to 130 dB)	IB)	(Inclu	udes the	octave and 1/3	octave data management software)	AS-60RT
Switchin	g of bar graph display	Set the upper/ lower limit in 10 dB i	ncrements.					AS-60VM CAT-WAVE
RMS dete Sampling	ection circuit cycle	Digital processing method 20.8 µs (Lp, Leq, LE, Lmax, Lmin, Lper	k : sampling frequency: 48 kHz)	SD C	Card 51	2 MB	110	SD-512M
Calibratic		100 ms (LN)	orformed asserting to IEC and IIC standards				V)	SD-2G NC-98C
Calibratic	л	using internally generated signals: acous		Batte	ery pack	(		BP-21
Correctio	n functions	Windscreen correction: Compliant with IEC 61672-1 and JIS C 15	09-1 standards when the windscreen is installed.				oles	EC-04 (from 2 m) CC-24
		Diffuse sound field correction:		Com	parator			CC-42C
		Correction of frequency characteri (ANSI S1.4) in diffuse sound field.	stics in order to comply with standards	Printe	ter ter cable	)		DPU-414 CC-42P
Delay tim	le	The meter can be set to start measur	ing a specified time (OFF, 1, 3, 5 or 10 s)		232C se I cable	rial 1/O cable		CC-42R
Back era	se function	When the PAUSE key is pressed to	ed or when a user-set trigger is exceeded. pause measurement, the preceding	Soun	nd calibi			NC-74
Display		(user selectable) 0, 1, 3 or 5 s data Backlit semitransparent color TET I	are excluded from processing. CD display WQVGA (400 x 240 dots)			windscreen mounting ada	apter	WS-15 WS-15006
picty		* LCD with touch panel (Capacitive	Touch Panel)	Rain	-protect	tion windscree meter tripod		WS-16
Store	anual		sELEBar graph update frequency: 100 ms red manually in single address increments.	All-w	veather	windscreen tri		ST-80 ST-81
	Number of data	Internal memory: max. 1000 sets SD Card: depends on the capacity					products. +2 NX-42EX required (sold ful dust and water splashing from	separately). *3 NX-42WR required (sold separate any direction.
EEEA	uto*2	Instantaneous values (Lp mode) an	d processed values (Leg mode) are	Preca	autions	regarding wa		
	Lp sampling cycle	stored continuously and automatica 100 ms, 200 ms, 1 s, Leg 1s	Ily at preset intervals.					placement is required every two years (at cost
	Leg sampling cycle	10 s, 1, 5, 10, 15, 30 ms, 1, 8, 24 h						
	Measurement Time	Max. 1000 h (depends on the capa	city of the SD Card)*1					ISO 14001
		rk of Microsoft Corporation. to change without notice.						ISO 14001 RION CO., LTD.
								,
Distribu	nea by:			/				<b>O., LTD.</b>
				C				U., LI D.
						ht	ttp://www.rion.co.jp/eng	glish/
								nji, Tokyo 185-8533, Japai 259-7442
				rei:	-01	-42-359-	7888 Fax: +81-42-	339-1442



1.1 *β.2 Classified Subjective Levis Levis List 2 Subjective List 2 Subj	CEPREI	证书编号(Certificate No.): 2HB23001488-0003							证书编号	号(Certificate No.):	2HB2300148	8-0003
Note: Set in the set of th							3.2 其它级量程 (Other R	ange)		频率(Frequency): 1	000Hz	
The set or a clock of a difference were were were were were were were we			Check)				标准声级	指示声级	误差	允许误差	结论	U
22333 <t< th=""><th></th><th></th><th></th><th>e.a</th><th></th><th></th><th>(Standard)</th><th>(Indication)</th><th>(Error)</th><th>(Limit)</th><th>(Pass/Fail)</th><th>(<i>k</i>=2)</th></t<>				e.a			(Standard)	(Indication)	(Error)	(Limit)	(Pass/Fail)	( <i>k</i> =2)
2 high and the constraint of th	There are no factor and	lefect that affect the mea	surement result accuracy	of the certific	cate.				(dB)	(dB)	(P/F)	(dB)
●●●000 </td <td>a. 地三古伊朗教 (F. P</td> <td>W. Callberting)</td> <td></td> <td>中語 感 (1</td> <td>Fraguancy)-10(</td> <td>0014-2</td> <td></td> <td></td> <td></td> <td>±0.8</td> <td>Р</td> <td>0.3</td>	a. 地三古伊朗教 (F. P	W. Callberting)		中語 感 (1	Fraguancy)-10(	0014-2				±0.8	Р	0.3
Macrophane Sky       Macro			☆ケート- 58 开			00112					Р	
μ       μ						C.P.					Р	
mb2a       Rd# rd#       dx# rd#       Rd# rd#       dx# rd#       rd# rd#				(							Р	
mb (Callentory)Mb (Messer)Mb (M		1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-									P	
(Atherence SP)       (Before Calumation)       (Ather Calum	声校准器型号	标准声压级	校准前示值	校准	后示值	U					P	
(18)       (18)											P	
422691.093.893.892.80.23 didit Level Linearity <td></td> <td>P</td> <td></td>											P	
3 digit (leforeme Rue)Bit (Pictureme	4226				93.8	0.2					p	
n) BettermerUUDescription <thdescription< th="">DescriptionDescripti</thdescription<>											Р	
1.1 spángil (inference Karr)UI-UI-UI-UI-UI-UI-UI-UI-UI-UI-UI-UI-UI-U	3 级线性 (Level Linearity)										Р	
(Bandard)       (Indixed)	3.1 参考级量程 (Reference R	ange)	频率(Fre	equency): 80							Р	
(Standart)       (Indication)       (	标准声级	指示声级									Р	
1300       129.8       -0.2       -0.8       P       0.3       33.9       -0.1       4.08       P       0.3         129.0       128.8       -0.2       -0.8       P       0.3       33.0       33.9       -0.1       4.08       P       0.3         128.0       127.0       126.8       -0.2       4.08       P       0.3       33.0       32.9       -0.1       4.08       P       0.3         126.0       125.9       -0.1       40.8       P       0.3       30.0       29.9       -0.1       40.8       P       0.3         125.0       124.9       -0.1       40.8       P       0.3       30.0       29.9       -0.1       40.8       P       0.3         100.0       100.0       -0.0       40.8       P       0.3       -0.0       -0.8       -0.3       -0.1       40.8       P       0.3         30.0       79.9       -0.1       40.8       P       0.3       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -	(Standard)						40.0	40.0	0.0		Р	
128.0       128.8       -0.2       40.8       P       0.3       3.0       3.0       3.0       4.0.4       40.8       P       0.3         128.0       127.8       -0.2       40.8       P       0.3       32.0       31.9       -0.1       40.8       P       0.3         127.0       126.8       -0.2       40.8       P       0.3       31.0       30.9       -0.1       40.8       P       0.3         125.0       124.9       -0.1       40.8       P       0.3       30.0       29.9       -0.1       40.8       P       0.3         100.0       110.0       0.0       40.8       P       0.3       30.0       29.9       -0.1       40.8       P       0.3         100.0       110.0       0.0       40.8       P       0.3       30.0       29.9       -0.1       40.8       P       0.3         300.0       79.9       -0.1       40.8       P       0.3       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5       -0.5							35.0	34.9	-0.1	±0.8	Р	
128.0       127.8       -0.2       -0.8       P       0.3         127.0       126.8       -0.2       -0.8       P       0.3         126.0       125.9       -0.1       40.8       P       0.3         126.0       125.9       -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       40.8       P       0.3         90.0       90.0       -0.1       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       90.0       -0.0       40.8       P       0.3         90.0       90.0       40.8       P       0.3         60.0       60.0       9       9.1       40.8       P       0.3         35.0       4.8       -0.2       40.8       P       0.3         35.0       34.8       -0.2       40.8       P       0.3							34.0	33.9	-0.1	±0.8	Р	0.3
127.0       126.8       -0.2       +0.8       P       0.3         126.0       125.9       -0.1       +0.8       P       0.3         125.0       124.9       -0.1       +0.8       P       0.3         120.0       119.9       -0.1       +0.8       P       0.3         110.0       100.0       0.0       +0.8       P       0.3         100.0       100.0       0.0       +0.8       P       0.3         100.0       100.0       0.0       +0.8       P       0.3         100.0       100.0       0.0       +0.8       P       0.3         30.0       70.9       -0.1       +0.8       P       0.3         60.0       60.0       0.0       +0.8       P       0.3         70.0       69.9       -0.1       +0.8       P       0.3         35.0       34.8       -0.2       +0.8       P       0.3         35.0       34.8       -0.2       +0.8       P       0.3         33.0       32.9       -0.1       +0.8       P       0.3         33.0       32.9       -0.1       +0.8       P       0.3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>32.9</td> <td>-0.1</td> <td>±0.8</td> <td>Р</td> <td>0.3</td>								32.9	-0.1	±0.8	Р	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         110.0       10.0       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         60.0       60.0       0.0       40.8       P       0.3         35.0       34.8       -0.2       40.8       P       0.3         33.0       32.9       -0.1       40.8       P       0.3         33.0       32.9       -0.1       40.8       P       0.3         33.0       32.9       -0.1       40.8       P       0.3										±0.8	Р	0.3
1250       124.9       -0.1       ±0.8       P       0.3         120.0       119.9       -0.1       ±0.8       P       0.3         110.0       10.0       0.0       ±0.8       P       0.3         100.0       100.0       0.0       ±0.8       P       0.3         00.0       0.0       ±0.8       P       0.3         80.0       79.9       -0.1       ±0.8       P       0.3         60.0       60.0       0.0       ±0.8       P       0.3         60.0       60.0       0.0       ±0.8       P       0.3         70.0       69.9       -0.1       ±0.8       P       0.3         60.0       0.0       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       0.3         33.0       32.9       -0.1       ±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											Р	
12.03       110.0       110.0       110.0       10.0							30.0	29.9	-0.1	±0.8	Р	0.3
1100       1100       0.0       ±0.8       P       0.3         100.0       100.0       0.0       ±0.8       P       0.3         90.0       90.0       0.0       ±0.8       P       0.3         80.0       79.9       -0.1       ±0.8       P       0.3         70.0       69.9       -0.1       ±0.8       P       0.3         60.0       0.0       ±0.8       P       0.3         50.0       49.9       -0.1       ±0.8       P       0.3         50.0       49.9       -0.1       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       0.3         35.0       34.8       -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												
1000       1000       0.0       ±0.8       P       0.3         90.0       90.0       0.0       ±0.8       P       0.3         80.0       79.9       -0.1       ±0.8       P       0.3         70.0       69.9       -0.1       ±0.8       P       0.3         60.0       60.0       0.0       ±0.8       P       0.3         50.0       49.9       -0.1       ±0.8       P       0.3         40.0       39.9       -0.1       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       0.3         33.0       32.9       -0.1       ±0.8       P       0.3         31.0       30.8       -0.2       ±0.8       P       0.3												
No.0       No.0       0.0       ±0.8       P       0.3         80.0       79.9       -0.1       ±0.8       P       0.3         70.0       69.9       -0.1       ±0.8       P       0.3         60.0       60.0       0.0       ±0.8       P       0.3         50.0       49.9       -0.1       ±0.8       P       0.3         40.0       39.9       -0.1       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       0.3         35.0       34.8       -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												
No.       79.9       0.1       ±0.8       P       0.3         70.0       69.9       -0.1       ±0.8       P       0.3         60.0       60.0       0.0       ±0.8       P       0.3         50.0       49.9       -0.1       ±0.8       P       0.3         40.0       39.9       -0.1       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       0.3         35.0       34.8       -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										R		
100       69.9       -0.1       ±0.8       P       0.3         60.0       60.0       0.0       ±0.8       P       0.3         50.0       49.9       -0.1       ±0.8       P       0.3         40.0       39.9       -0.1       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       0.3         35.0       34.8       -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												
40.0       39.9       -0.1       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       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					Р							
40.0       39.9       -0.1       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       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		60.0	0.0	±0.8	Р	0.3						
40.0       39.9       -0.1       ±0.8       P       0.3         35.0       34.8       -0.2       ±0.8       P       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	50.0	49.9	-0.1	$\pm 0.8$	Р	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	40.0	39.9	-0.1	±0.8	Р	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	35.0	34.8	-0.2	±0.8	Р	0.3						
32.0         31.8         -0.2         ±0.8         P         0.3           31.0         30.8         -0.2         ±0.8         P         0.3	34.0	33.8	-0.2	$\pm 0.8$	Р	0.3						
31.0 30.8 -0.2 ±0.8 P 0.3	33.0	32.9	-0.1	$\pm 0.8$	Р							
	32.0											
30.0 29.8 -0.2 ±0.8 P 0.3												
第 6 页,共 9 页 数据页(Data sheet) ID: 071288	30.0	29.8	-0.2	±0.8	Р	0.3						

CEPREI			证书编号	f(Certificate No.):	2HB2300148	8-0003
5 C计权特性(C-Wei						
频率	实测值	理论值	误差	允许误差	结论	U
(Frequency)	(Actual)	(Theoretical value)	(Error)	(Limit)	(Pass/Fail)	( <i>k</i> =2)
(Hz)	(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)
20 25	-6.6 -4.7	-6.2	-0.4	±2.0	Р	0.5
25 31.5	-4.7	-4.4 -3.0	-0.3 0.0	+2.0 ~ -1.5	P	0.5
40	-3.0	-3.0	0.0	±1.5 ±1.0	P P	0.5
50	-2.0	-2.0	0.0	±1.0 ±1.0	P P	0.5 0.5
63	-0.8	-0.8	0.0	±1.0 ±1.0	P	0.5
80	-0.4	-0.5	0.1	±1.0	P	0.5
100	-0.2	-0.3	0.1	±1.0	Р	0.5
125	-0.1	-0.2	0.1	±1.0	P	0.5
160	0.0	-0.1	0.1	±1.0	р	0.5
200	0.0	0.0	0.0	±1.0	Р	0.5
250	0.0	0.0	0.0	±1.0	Р	0.5
315	0.0	0.0	0.0	±1.0	Р	0.4
400	0.0	0.0	0.0	±1.0	Р	0.4
500	0.0	0.0	0.0	±1.0	Р	0.4
630	0.0	0.0	0.0	±1.0	Р	0.4
800	0.0	0.0	0.0	±1.0	Р	0.4
1000(Ref.)	0.0	0.0	0.0	±0.7	Р	0.4
1250	-0.1	0.0	-0.1	±1.0	Р	0.6
1600	-0.2	-0.1	-0.1	±1.0	Р	0.6
2000	-0.3	-0.2	-0.1	±1.0	Р	0.6
2500	-0.5	-0.3	-0.2	±1.0	Р	0.6
3150	-0.8	-0.5	-0.3	±1.0	Р	0.6
4000	-1.1	-0.8	-0.3	±1.0	Р	0.6
5000	-1.5	-1.3	-0.2	±1.5	Р	0.6
6300	-2.1	-2.0	-0.1	+1.5 ~ -2.0	Р	0.6
8000	-3.0	-3.0	0.0	+1.5 ~ -2.5	Р	0.6
10000	-4.3	-4.4	0.1	+2.0 ~ -3.0	Р	0.6
12500	-6.2	-6.2	0.0	+2.0 ~ -5.0	Р	1.0
16000	-10.4	-8.5	-1.9	+2.5 ~ -16.0	Р	1.0
20000	-20.3	-11.2	-9.1	+3.0 ~ -∞	Р	1.0



Calibration Cert	ificate of Sound Calibrator
证书编号(Certificate No.): 2HB23001715-0001 <b>说 明</b>	<b>СЕРПЕ!</b> 证书编号(Certificate No.): 2HB23001715-0001
DIRECTIONS	1 外观与工作正常性检查 (Appearance and Function Check) 无影响证书中测量结果准确度的因素和缺陷。
<ol> <li>本机构质量管理体系符合ISO/IEC 17025:2017标准的要求,获得中国合格评定国家认可委员会( CNAS)认可,认可证书号为: CNAS L13344.</li> <li>This laboratory quality management system meets the ISO/IEC 17025:2017 and is accredited by the China National Accreditation Service for Conformity Assessment, No. CNAS L13344.</li> </ol>	2 声压级 (Sound Pressure Level)
<ol> <li>本机构出具的数据均可溯源到国际单位制(SI)单位和社会公用计量标准。</li> <li>The data issued by this laboratory is traceable to International system of Units (SI) and national primary standards.</li> </ol>	ノ 規定声压线 測量声压线 声压线差的绝对值 接受限 结论 U
<ol> <li>本次校准的技术依据及CNAS认可范围(Reference documents and CNAS accredited scopes):</li> <li>1)G 176-2022 声段准器检定规程: Sound Pressure Level: 94dB, 104dB、114dB, 124dB(63Hz~8kHz): 94dB 、104dB、114dB(31:5Hz~16Hz): Frequency: 31:5Hz~16Hz): Harmonic Distortion: 0.1%~10%。(20Hz~</li> </ol>	() (Prescribed SPL) (Measured SPL) (Absolute value of SPL) (Limit) (Pass/Fail) (k=2)
<ul> <li>109405, 11405(21.5)/2 * 106/L2); Frequency: 51.5)/2 * 106/L2; Harmonic Distribution: 0.1% 105/m (2012)</li> <li>20KHz)</li> <li>详细內容请查重CNAS网站中注册编号为L1334的证书解件, 超出范围的內容未被认可,其指型/论证所依据的合格评定活动不在认可 范围内, (Pease see the attachment of certificate No. L1334 # CNAS website for details, beyond which is not accredited, the conformity assessment activities on which the result/sconelusions are based are outside the scope of accreditation.)</li> </ul>	(dB)       (dB)       (dB)       (dB)         94       93.86 $0.14$ $\leq 0.25$ P $0.10$
<ol> <li>本次校准所使用的主要测量标准(The main measurement standards used during the calibration):</li> <li>名称</li></ol>	3 频率 (Frequency)
前置放大器(2239843) GFJGJL1001230304185/2024-03-22/航空 频率响应:±0.1dB (10~50000) Hz 304所	規定頻率 测量频率 频率误差的绝对值 接受限 结论 Urel
数字多用表(MY4505167 GFJGJL1004230400378/2024-04-02/航天 4) 514所 DCV: ±8×10 <sup>6</sup> ; DCI: ±2× DCV: 10nV~1000V: 10 <sup>5</sup> ; ACV: ±0.02%,ACI: DCI: 1pA~1A; ACV	(Prescribed Fre.) (Measured Fre.) (Absolute value of Fre.) (Limit) (Pass/Fail) (k=2)
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	(Hz)(Hz)(%)(%)10001003.7 $0.37$ $\leq 0.70$ P $0.10$
PULSE分析系统(3160-1         4GC23000528-0009/2024-08-16/赛宝(广州)         MHz         MHz           06540)	4 总失真+噪声 (Distortion and noise)
093) 304所 5. 校准地点(The calibration place): 广州市增城区朱村街朱村大道西78号9栋110室	規定声压级 规定频率 总失真+噪声 接受限 结论 Uret (Prescribed SPL) (Measured Fre.) (Distortion and noise) (Limit) (Pass/Fail) (k=2)
6. 环境条件(Environmental conditions):	(dB) (Hz) (%) (%) (%)
溫度(Temperature): 21.2℃ 相对湿度(Relative Humidity): 60%	94 1000 0.69 ≤2.50 P 5.0
7. 本证书中给出的扩展不确定度依据JJF1059.1-2012《测量不确定度的评定与表示》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。 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%.	以下空白No data hereafter
8. 证书中"P"、"合格"代表"测量结果在允许范围内","P"、"不合格"代表"测量结果不在允许范围内","PNA"代表"不适用或技术指标暂时无法确认等"。本证书报告的结论仅供参考,使用人员应结合实际测量结果不在定详值的要求。在现代表型、结果测量不确定度的影响等。 "P" and "Pass" in this certificate stand for "Low LimitSche measured value <first "fail"="" "p"="" "the="" <="" and="" for="" limit",="" measured="" p="" stand="" value=""></first>	<b>GEPREI</b>
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,供委托方参考。委托方可以根据实际使用情况自行决定样品的校准周期。	
	数据页(Data sheet) ID: 013393 第 5 页,共 5 页 Page of
第 3 页,共 5 页 Page of	

Catal	ogue of Air Flow		1511	A440)	)		ibration (			II FIOW	WICICI
SPECIFICATION	s										
THERMAL ANEMO MODELS TA410, TA						<b>~</b> 81			E實驗室有限 29-35 Sha Tsui Road		
TIODELS INTIO, II						CALIBRATION		0106 Email:	info@callab.com.h		ACCREDITED
						Calibration Cortif	Fax: +852 3011		ite: www.callab.co	п.пк	Certinate #3815.01
<b>Velocity</b> Range (TA410) Range (TA430, TA440)	0 to 20 m/s (0 to 4,000 ft/min) 0 to 30 m/s (0 to 6,000 ft/min)	<b>Time Constant (T</b> User selectable	A430, TA44	0)		Customer Informat Customer: Cas	on co Testing Centre Limit	ted			
Accuracy (TA410)152	±5% of reading or ±0.025 m/s (±5 ft/min), whichever is greater ≈ ±3% of reading or ±0.015 m/s	External Meter D 8.4 cm x 17.8 cm x		x 7.0 in. x 1.8 in	ι.)	Address: 33, Equipment Identifi	On Kui Street, Fanling,	N.T.			
Resolution	(±3 ft/min), whichever is greater 0.01 m/s (1 ft/min)	Meter Weight wi 0.27 kg (0.6 lbs.)	th Batteries			Equipment Descript Air Velocity Monitor				erial No. A4401706003	Assigned equipment I AAST-FLOW-03
Duct Size (TA430, TA44 Dimensions	1 to 635 cm in increments of 0.1 cm (1 to 250 inches in	Meter Probe Dime Probe Length		5 cm (40 in.)		Certificate Informa					
	increments of 0.1 in.)	Probe Diameter of Probe Diameter of	<b>Tip</b> 7.0 m	nm (0.28 in.) mm (0.51 in.)		Date of Receipt: Date of Calibration			Adjustn	ient:	23.5°C, 58%RH, 1003hPa N/A
Volumetric Flow Rate ( Range	Actual range is a function of velocity, and duct size	Articulating Prot Articulating Sectio		<b>15</b> cm (7.8 in.)		Due Date of Calibra Calibration Procedu			Appeara Remark		Good N/A
Temperature Range (TA410, TA430)	-18 to 93°C (0 to 200°F)	Length Diameter of Articulating Knuckle	9.5 m	nm (0.38 in.)		Reference Equipme Equipment Descrip		Model	Serial N	10.	Expiration Date
Range (TA440) Accuracy <sup>3</sup> Resolution	-10 to 50°C (14 to 140°F) ±0.3°C (±0.5°F) 0.1°C (0.1°F)	Power Requirem Four AA-size batte		pter		Hot Wire Anemom Result of Calibratio	ter	9535	T95351		11 August 2024
Relative Humidity (TA4			TA410	TA430, TA430-A	TA440,	Air flow rate - Error	of indication	1	Uncertainty	Technical	Technical Referen
Range Accuracy <sup>4</sup>	5 to 95% RH ±3% RH	Velocity range 0 to 20.00 m/s		TA430-A	TA440-A	Reference reading (L/min)	Measured reading (L/min)	Error (%)	(%FS)	Requirement	
Resolution	0.1% RH	(0 to 4000 ft/min)				0.5	0.51	2.0	3.6	± 5 %	JJG 956-2013
Wet Bulb Temperature	(TA440 only)	Velocity range 0 to 30.00 m/s			140	1.0	0.99 2.03	-1.0	3.6	± 5 %	JJG 956-2013 JJG 956-2013
Range	5 to 60°C (40 to 140°F)	(0 to 6000 ft/min) Temperature	+	+		5.0	5.07	1.4	3.6	± 5 %	JJG 956-2013
Resolution	0.1°C (0.1°F)					5.0	5101				СТ
Dew Point (TA440 only		Flow		+	+						
Range Resolution	-15 to 49°C (5 to 120°F) 0.1°C (0.1°F)	Humidity, wet bulb, dew point			+						
Resolution	0.1-C (0.1-F)	Probe	Straight	Straight or -A articulated	Straight or -/ articulated						
Instrument Temperatu		Variable time constant		+	+						
Operating (Electronics) Model TA410, TA430	5 to 45°C (40 to 113°F) -18 to 93°C (0 to 200°F)	Manual		+	+						
Operating (Probe) Model TA440		data logging Auto save									
Operating (Probe)	-10 to 60°C (14 to 140°F)	data logging			+						
Storage	-20 to 60°C (-4 to 140°F)	Statistics		+	+						
Data Storage Capabiliti	es (TA430, TA440)	Review data		+	+	Note1: The estimated expand	ed uncertainties have been calco	ulated in "Evaluation	and expression of uncertai	nty in measurement" and g	give an internal estimated to have
Range	12,700+ samples and 100 test IDs	LogDat2		+		of confidence of 95%.	A coverage factor of 2 is assume	d unless explicitly stat	ted.		calibrated on a schedule to mainta
Logging Internal (TT 10	0 78440)	downloading software				accuracy and good co	dition.				
Logging Interval (TA43 1 second to 1 hour	0, 18440)	Free Certificate of Calibration		3+C	3 <b>+</b> 00	instrument.					in regarding the long term stability
					L	Note4: The result shows in th	s calibration certificate relate on	ly to the item calibrat	ted, and the result only app	lies to the calibration item	n as received.
Specifications subject to change with		<sup>1</sup> Temperature compensated <sup>2</sup> The accuracy statement b	d over an air temper egins at 30 ft/min th	ature range of S to 65 hrough 4000 ft/min (	°°C (40 to 150°F). 0.15 m/s through 20	Calibrated By:	Checked	and Approve	d By: Co	mpany Chop:	AD LID
TSI and the TSI logo are registered tra the Airflow logo and LogDat2 are trac	idemarks, and Airflow. demarks of TSI Incorporated.	<sup>a</sup> The accuracy statement b for the Model TA410, and Models TA430 and TA440				Canorated by.	CHECKEU	and Approve		mpany enop.	(四) 實驗室 (四)
		<sup>9</sup> Accuracy with instrument for change in instrument 1	t case at 25°C (77°F).	, add uncertainty of O	1.03°C/°C (0.05°F/°F)	0	0	11			CHIRCENT
	FLOW	* Accuracy with probe at 25 change in probe temperation	°C (77°F). Add uncer ure. Includes 1% hys	rtainty of 0.2% RH/*C steresis	C (0.1% RH/°F) for	WingCheng	(whe Warren		l ce	tificate Issue Dat	te: 13 January 2023
Airflow Instruments, TSI In Visit our website at www.air	struments Ltd. flowinstruments.co.uk for more information	on.						*** End o	of Certificate ***		CT
UK Tel: +4414944		0									
France Tel: +33 491 11						1. The certificate sha					bration CC0222

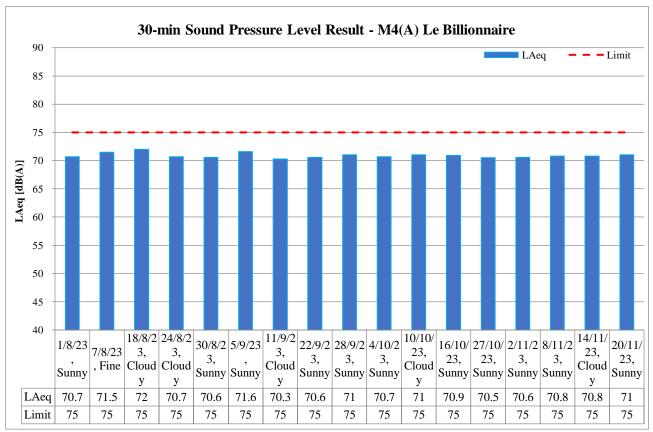
Appendix K – Noise monitoring results and graphical presentation

## M4(A) – Le Billionnaire

	Temp Wind Weather					Measured Noise Level at M4(A), dB(A)								
Date	(°C)	Speed m/s	r			Baseline	LAeq	L <sub>A10</sub>	L <sub>A90</sub>	Limit				
02/11/2023	27.4	0.7	Sunny	9:20	-	9:50	69.5	70.6	71.7	69.5	75			
08/11/2023	25.7	0.3	Sunny	13:00	-	13:30	69.5	70.8	72.0	69.7	75			
14/11/2023	18.8	0.3	Cloudy	14:15	-	14:45	69.5	70.8	71.8	69.5	75			
20/11/2023	25.4	1.1	Sunny	9:25	-	9:55	69.5	71.0	72.3	69.9	75			
					]	Maximum		71.0						
						Minimum		70.6						
						Average		70.8						

#### M5(A) – Prince Ritz

	Temp Wind Weather					Measured Noise Level at M5(A), dB(A)								
Date	(°C)	Speed m/s	r	Time		Baseline	LAeq	L <sub>A10</sub>	L <sub>A90</sub>	Limit				
02/11/2023	27.4	1.1	Sunny	10:30	-	11:00	72.5	74.4	76.0	72.0	75			
08/11/2023	25.7	0.1	Sunny	14:00	-	14:30	72.5	74.1	75.8	71.9	75			
14/11/2023	18.8	0.5	Cloudy	15:06	-	15:36	72.5	74.3	75.8	72.4	75			
20/11/2023	25.4	0.9	Sunny	10:20	-	10:50	72.5	73.9	75.7	71.8	75			
					]	Maximum		74.4						
						Minimum		73.9						
						Average		74.2						



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

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



		Reportin	g Period	
Major Construction Activities	Aug	Sep	Oct	Nov
	2023	2023	2023	2023
Construction works for DCS	$\checkmark$	✓	✓	✓
Construction works for SB-01 tunnel	$\checkmark$			
Construction of Underpinning of S14	$\checkmark$	$\checkmark$		
Construction of Retaining Wall Type 1 for S14	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Construction of Pile Cap for S14		✓	✓	✓
Construction works for SMH404 and SMH505		✓	✓	✓
Construction of Permanent Shaft Structure of SB-01				✓
Demolition of bearing wall of S14			✓	✓
Modification works for Rising Main chamber WOC1, AVC2 and K1		✓	✓	✓
ELS modification and Backfilling works for Retrieving Shaft at Sa Po Road	$\checkmark$			
Pre-bored socket H-pile construction works for Slip Road S14				
GI and Grouting works for Slip Road S14	$\checkmark$			
Installation of post tensioning anchorage system at LW-02				~
Erection of falseworks and working platform for decking of Elevated Walkway	✓	~	~	~
LW-02				
RTBM dismantle		$\checkmark$	$\checkmark$	
RC construction for decking of Elevated Walkway LW-02	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
RC construction for Subway KS10 Lift and Staircase	$\checkmark$	✓		
RC construction works for lift and staircase of LW-02	$\checkmark$	✓	✓	✓
Renovation works for Subway KS10 Lift and Staircase			✓	✓
Renovation works for existing subways KS9, KS32 and KS10	$\checkmark$	√	√	✓
Road and drain construction works for Road L16	$\checkmark$			
Road and Drain Construction works for Road L16, Commercial Street and		1	1	~
Road D1		v	v	v
Road and drain construction works for Olympic Avenue	$\checkmark$	√	√	✓

	Reporting Period						
Factors might affect the monitoring results	Aug 2023	Sep 2023	Oct 2023	Nov 2023			
Non-project related construction activities in the adjacent construction sites were observed.	~	~	$\checkmark$	~			

# Appendix L – Event and Action Plan for noise

<b>F</b> 4		Act	tion	
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</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>identified.)</li> <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	ET	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	Action						
Event	ET	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>	<ol> <li>Undertake remedial design if necessary.</li> </ol>				
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>	Contractor on possible remedial measures.	<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 remedial measures.	<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

		А	ctual Quantiti	es of Inert C&I	) Materials Ger	nerated Monthl	у		Actu	al Quantities o	f C&D Wastes	Generated Mo	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	0.67	0.00	0.67	0.00	0.09	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.01
FEB	0.81	0.00	0.81	0.00	0.08	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.01
MAR	0.79	0.00	0.79	0.00	0.08	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.01
APR	1.18	0.00	1.18	0.00	0.09	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.01
MAY	1.01	0.00	1.01	0.00	0.09	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.01
JUNE	0.23	0.00	0.23	0.00	0.05	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.01
SUB- TOTAL	4.69	0.00	4.69	0.00	0.48	0.00	4.21	0.00	0.00	0.00	0.00	0.00	0.06
JULY	0.30	0.00	0.30	0.00	0.06	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.01
AUG	0.90	0.00	0.90	0.00	0.06	0.00	0.84	0.00	0.00	0.00	0.00	0.00	0.01
SEPT	0.56	0.00	0.56	0.00	0.05	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.01
ОСТ	0.72	0.00	0.72	0.00	0.06	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.01
NOV	2.48	0.00	2.48	0.00	0.06	0.00	2.42	0.00	0.00	0.00	0.00	0.00	0.01
DEC													
TOTAL	9.65	0.00	9.65	0.00	0.77	0.00	8.88	0.00	0.00	0.00	0.00	0.00	0.11

## MONTHLY SUMMARY WASTE FLOW TABLE FOR \_\_\_\_\_\_ 2023 (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 sediment traps and adequate maintenance of drainage systems to prevent flooding and overflow				
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.	Ø			
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.	V			
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.	Z			
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.	V			
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.	Ø			
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	N			
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.	N			
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	A			
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	V			

EIA Ref	Recommended Mitigation Measures	In	npleme	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.		V		
S8.8	Construction debris and spoil should be covered up and/ <del>or disposed</del> of as soon as possible to avoid being washed into the nearby water receivers		V		
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.				
S8.8	Construction effluent, site run-off and sewage should be properly collected and/or treated.	$\checkmark$			
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.	$\checkmark$			
S8.8	Proper shoring may need to be erected in order to prevent soil/mud from slipping into the storm culvert/drainage channel/sea.	V			
S8.8	Supervisory staff should be assigned to station on site to closely supervise and monitor the works		$\mathbf{N}$		
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.		Þ		
	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 strengly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.	Ø			
	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	V			
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		V		
	2)Training of site personnel in proper waste management and chemical waste handling procedures 3)Provision of sufficient waste disposal points and regular collection for disposal				
	<ul> <li>4)Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers</li> <li>5)A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites)</li> </ul>				

EIA Ref	Recommended Mitigation Measures	In				
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	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 ensure for any leading, unleading or transfor operation so as to maintain the dusty materials wet					
S9.5	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	Ø				
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</del> - Control of night-time lighting. 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.		$\mathbf{N}$			
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.		$\mathbf{N}$			
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: November 2023**

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