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 34th 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 m³/min. and 1.7 m³/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 μ 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 ³ | Limit Level, µg/m ³ |
|---------------------|---------------------------|------------------------------------|-----------------------------------|
| 24-hour average TSP | AM2(A) | 175 | 260 |
| | AM3 | 172 | 260 |

| Parameter | Air Monitoring Station | Action Level, µg/m ³ | Limit Level, µg/m ³ |
|--------------------|---------------------------|------------------------------------|-----------------------------------|
| 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 ³ | Range, μg/m ³ | Action Level, µg/m ³ | Limit Level, µg/m ³ |
|--------------------------------------|--|-----------------------------|------------------------------------|-----------------------------------|
| 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 ³ | Range, μg/m ³ | Action Level, µg/m ³ | Limit Level, µg/m ³ |
|--------------------------------------|--|-----------------------------|------------------------------------|-----------------------------------|
| 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} | 1900 hrs on normal weekdays (Monday to Saturday) at frequency of once per week. |

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 | Baseline 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 _{Aeq, 30-} min, Average, dB(A) | Measured L _{Aeq, 30-} ^{min,} 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_{Aeq, 30-min} 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 ³ | Measured 24-hr average TSP in Reporting Month (Nov 2023) µg/m ³ |
|--|-----------------------------|--------------|---|---|
| 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 ³ | Measured 1-hr average TSP in Reporting Month (Nov 2023) µg/m ³ |
|--|-----------------------------|------|---|--|
| 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 | ^r 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 _{Aeq, 30min} , dB(A) | Measured Noise Level in Reporting Month (Nov 2023) L _{Aeq, 30min} , 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

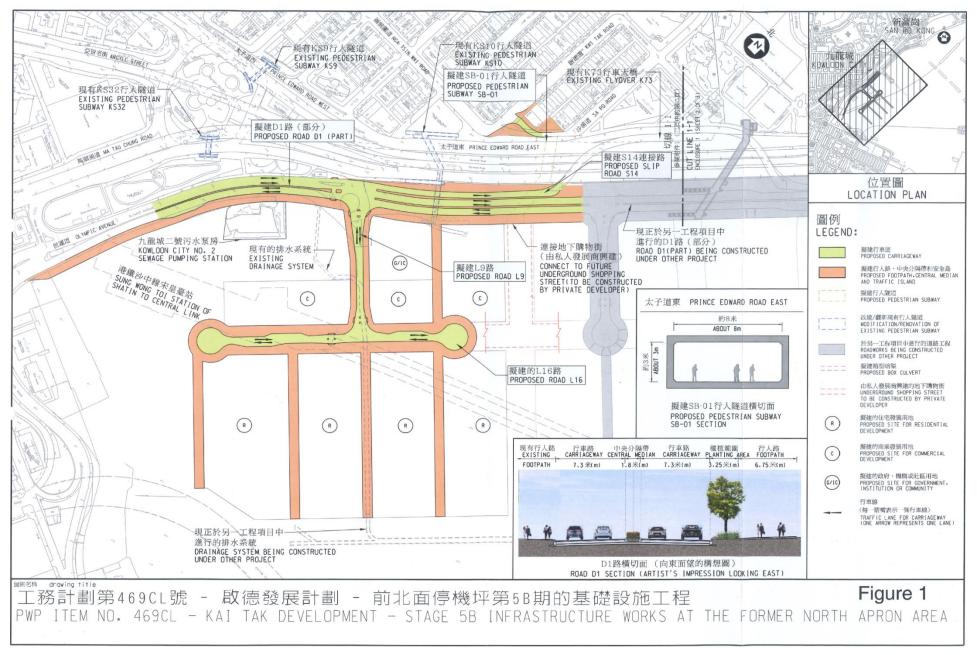


Figure 1 – Proposed works of Contract No. ED/2018/05

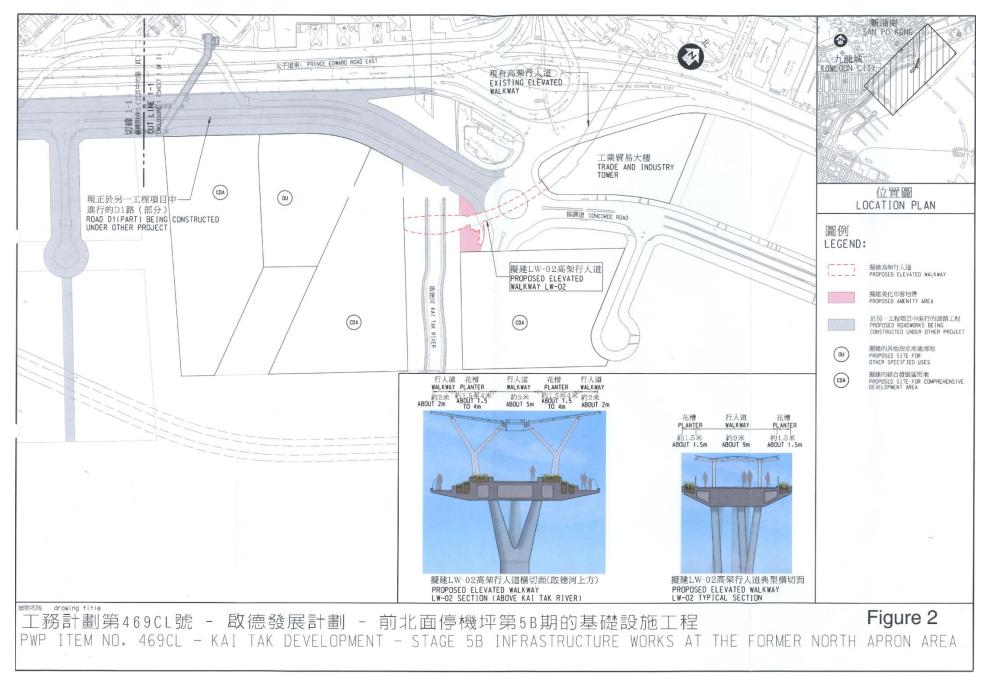


Figure 2 – Proposed works of Contract No. ED/2018/05

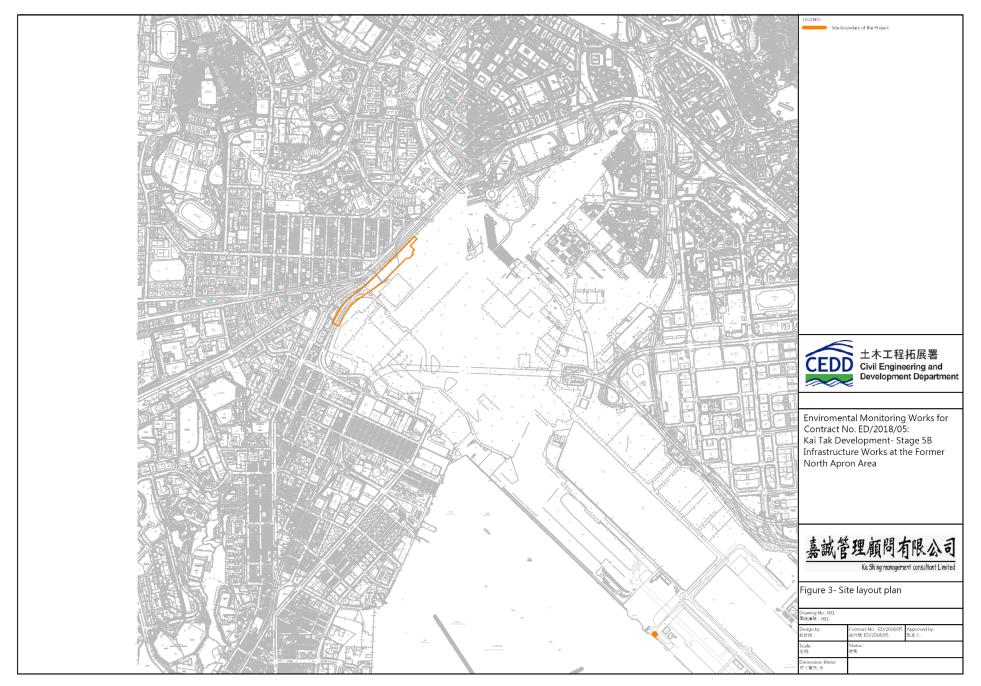


Figure 3 – D1 Road Site Layout Plan

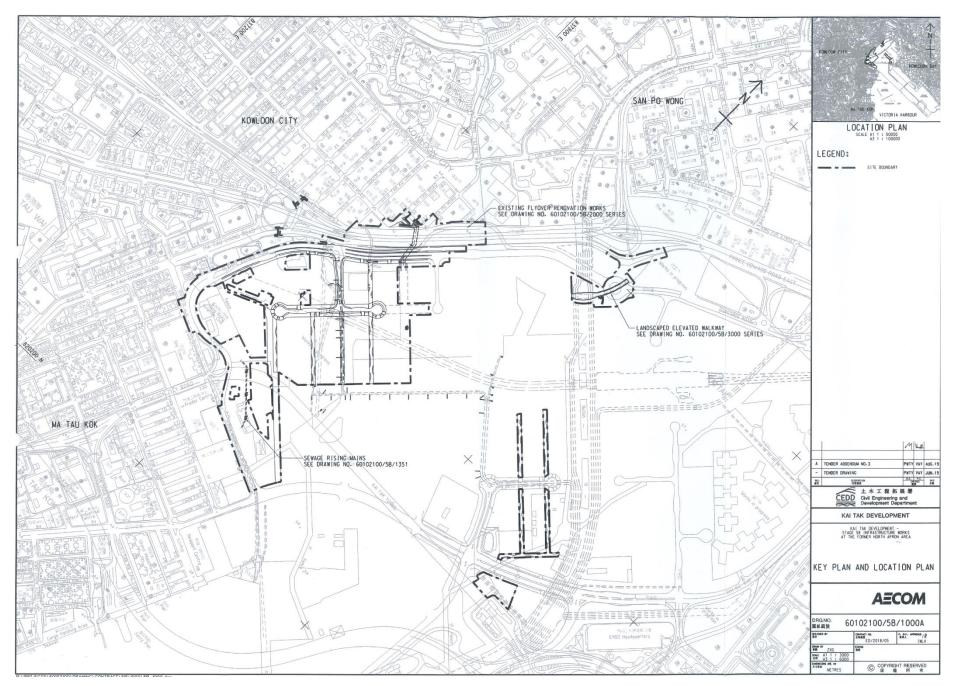


Figure 4 – Site Layout Plan

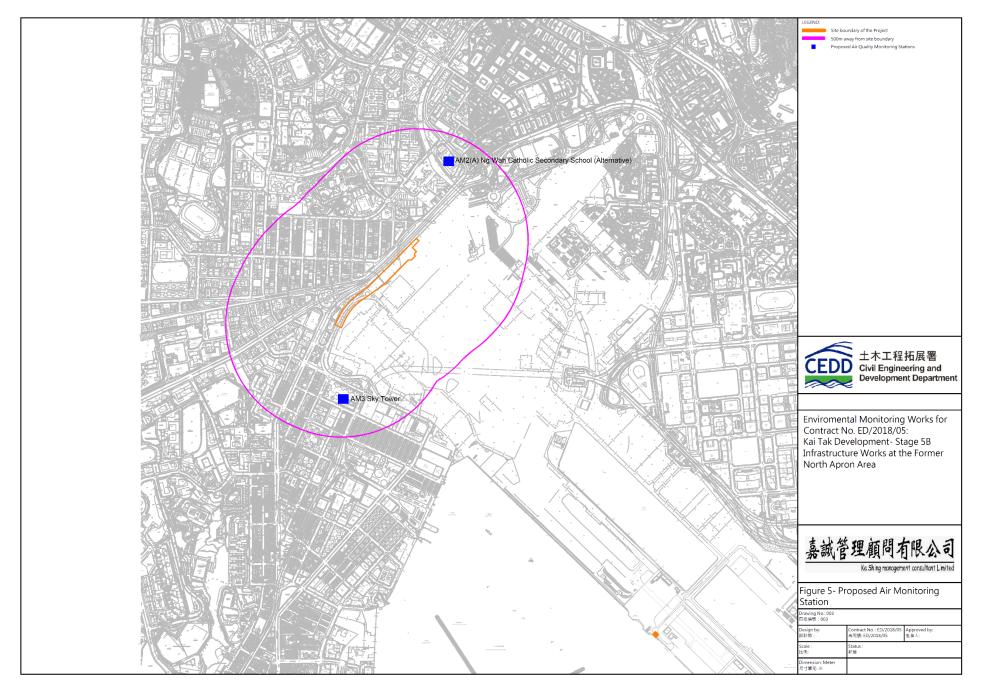


Figure 5 – Air Quality Monitoring Stations

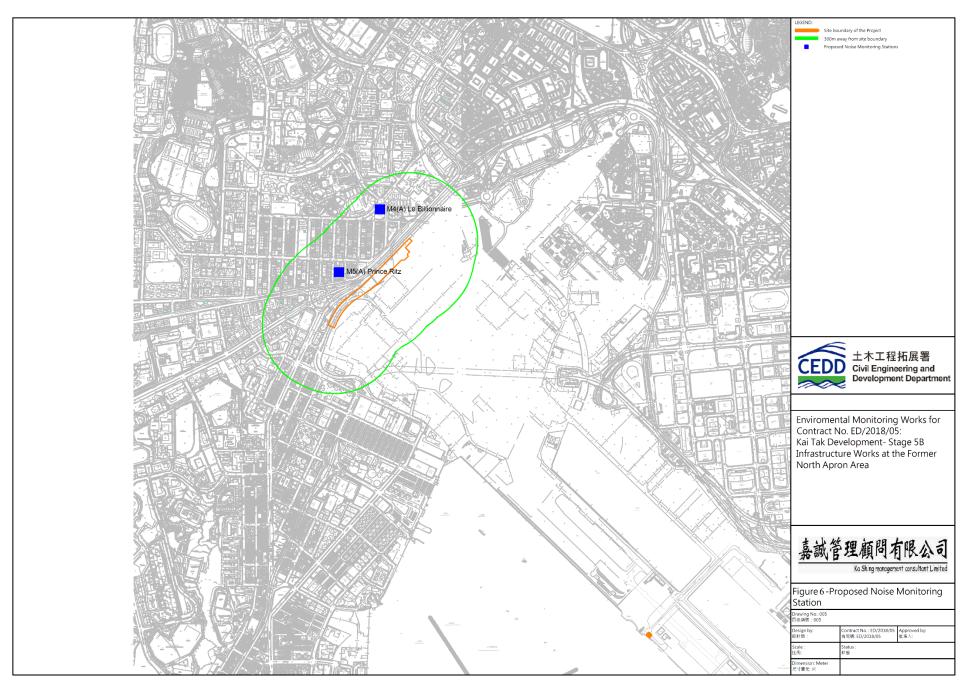
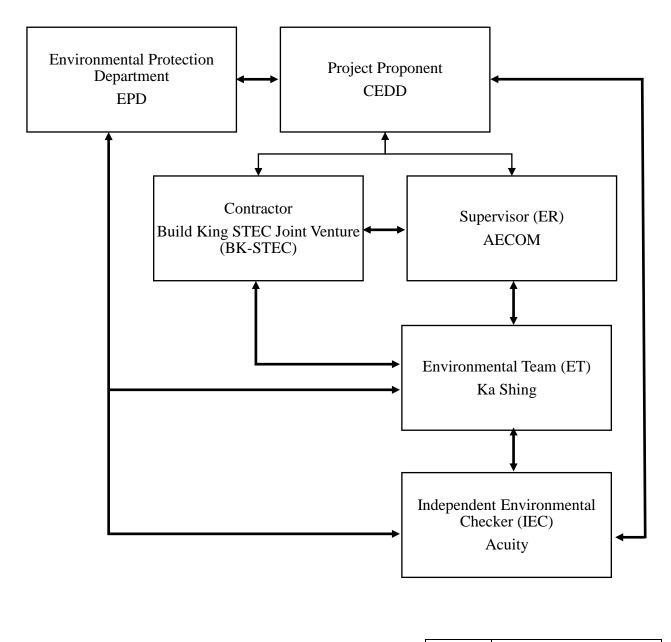
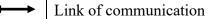


Figure 6 – Noise Monitoring Stations

Appendix A – Organization Chart of EM&A Team





Appendix B – Construction Programme

| | | | | | | ~ V | /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 | ● | | | | | | | | | | | | | |
| (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 | | | | | ¥ | | | | | | | | | |
| 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 | | | | | | | | | · · · · · · · · · | | | | | |
| 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 | | | | | | | | | | | | 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 | | | | | | | | | | | | ··· | | |
| | | | | | | · | | | | | | | | _ii_ | ii_ | i | | | | 1 | | |
| 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 | |
| | | | | | | | Page 1 o | | | | | | | | | | | | | | | |

| 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 | | A N | | | | |
| (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 | | | | | GANNYN | 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 |
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| | | | | 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 | | | | | | | |
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| Child 2010 Descentation The field definition by point (1/4) and (1 | | | | 09-Feb-21 | 09-Apr-21 | 09-Jul-21 | 06-Sep-21 | 150 | 2 | | | | | | | |
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| International and any | | | - | | | | | 150 | 2 | | | NAME AND DESCRIPTION OF | | | | |
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| 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 | · | | |
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| 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> | |
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| 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 | ₿- - | | | | | | |
| 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 | ······ | | | | | | | | | | | | | | | |
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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 |
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Critical Remaining Work

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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 | . | | | | | | | | | | | | | |
| 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 | | | <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 | ŀ | | ÷+ | | | - | | | | | | | | |
| 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 | | 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 | | 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 | | | | | | - + | | | | | | | | |
| 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> | | . . |
| 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 | | + | | | |
| 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 | | | | | 5 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 | | ├- | 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 | | · · · · · · · · · · · · · · · · · · · | f | | | | <u> </u> | |
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| CTD.RS.1010 | ar 🌢 Milestone | Tak Da | volon÷ | iont C | tone Fr | Infra- | | | | Contract March | μ ι. Α | \ | 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 | | | | ····· | | | | . | |
| 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 | | | | | | | | | . | |
| KTD.KS32.1120 | | Announce of the second second | 28-Jan-23 | 27-Feb-23 | 28-Jan-23 | 27-Feb-23 | 0 | 1 | | | | . . | | | | |
| 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 | | V | 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 | | | ····- | | | | . . | |
| 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 | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| 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 | | | | | | | . . | |
| 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 | | | | | | ······ |
| 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 | | | | T | | |
| | | | | | | | | ~ <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 | | | | | | | | | |
| 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 | | •••••• | | | | | | - - | · |
| 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 | | | | | | | E | |
| 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 | | | | | | | · · · · · · { | |
| 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 | | · | | | | | . . | |
| 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 | | | | | | | | . ! | 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 | | | | | | | • †¦ - | |
| 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 |
| | | | | | | | | | | | | - | | | | 11 |
| Remaining Worl | k Summary | | | | | WODW | S PRO | CPAM | | | | | | | | 1 |

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| | 1 | | | Revis | sion | 1 1 8 7 1 | | | Check | ed I. | Appro | ved |
| 3 | First | Draft | | | | | | | | | | |
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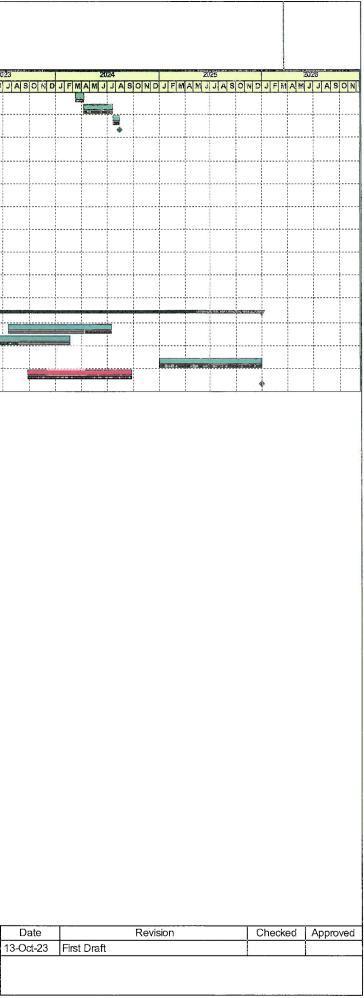
| | Activity Name | Duration | Early Star | t Early | Late Start | Late Finish | Toiai Floa | t Calenciar | 20 | | 2 | 2021 | | | 2022 | - | 207 |
|---|---|--|--|--|---|--|-----------------------|-------------------------------|--|-------------|----------|---------------------------------------|---|----------|----------------------------|-------------------|------------|
| | | (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 | | | | | 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 | | | | • | | | | 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 | | ········· | | · ······ | | | | ····· | <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 | | | | | | | - Vanasseepes | 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 | - | + | | | + | | | | 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 | | | | | |
| | NA - NAME IN THE OF A DECEMBER OF A | *** | A | | | | | · | <u></u> | | L | <u> </u> | | | <u></u> | | <u> </u> |
| Project Baseline B | ar 🔶 🔶 Milestone 🛛 🖌 Kai T | Tak De | volann | | taca FF |) m= | | 0 10/ | -+ +1 | 1 | | d P | | | | | |
| | i tu i | ak De | velopm | ient - S | tage 5E | ointrast | ructur | e Works | at the | ⊢orm | er N | orth / | Apro | n Area | | | |
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| Remaining Work | Summary | | | | | | | | | | | | | | | | |
| Remaining Work Critical Remaining | Summary | | | | | | age 10 | | | | | | | | | | Г |

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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

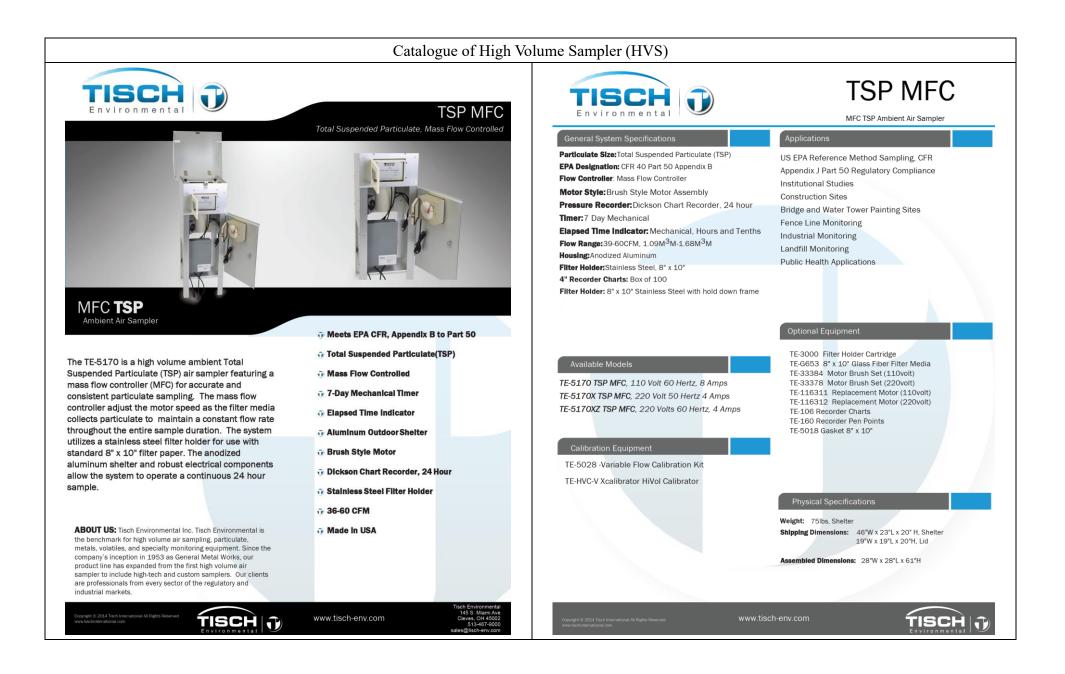


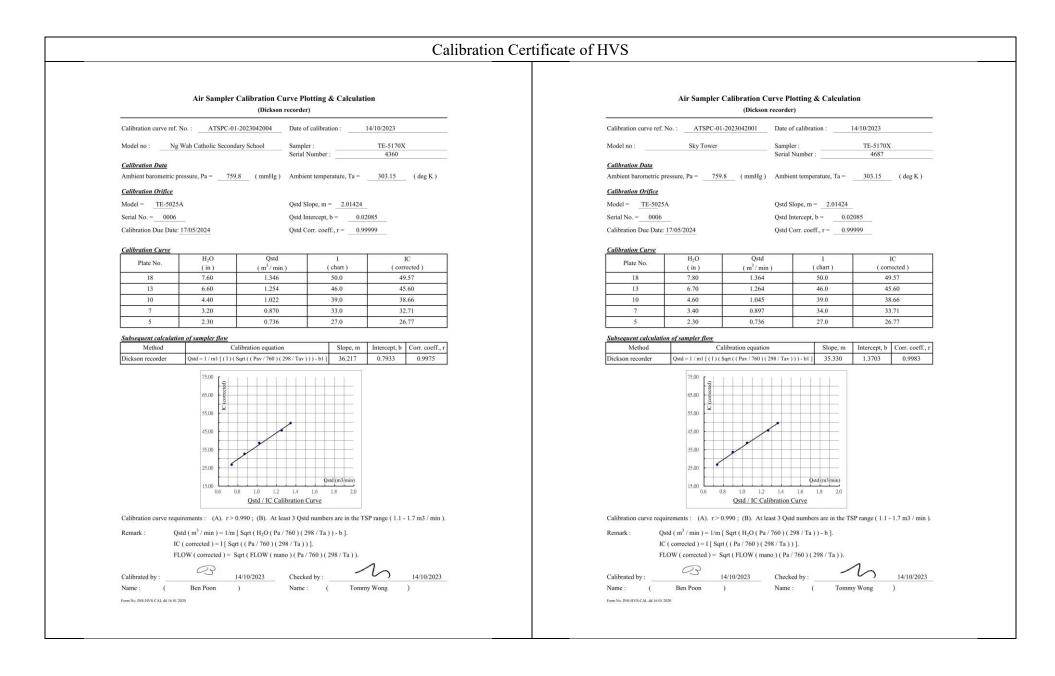
Weather Station at the rooftop of Ng Wah Catholic Secondary School

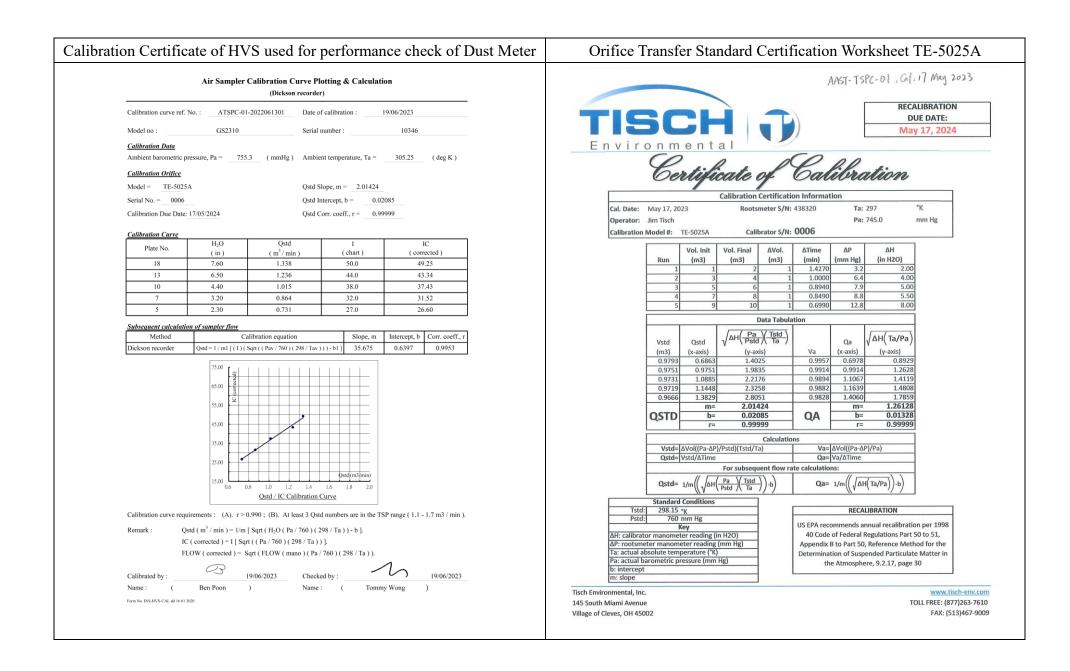
Impact Noise Monitoring



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/m³) 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

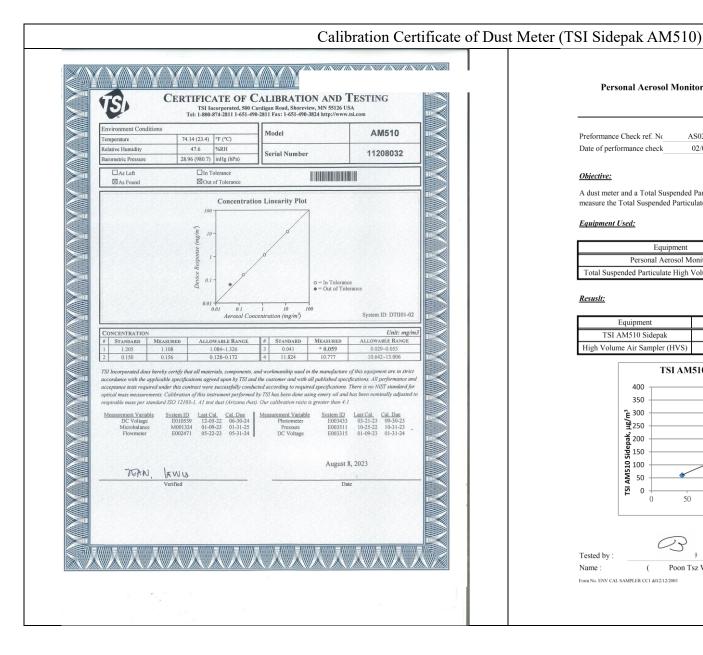
Battery Performance

| 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:

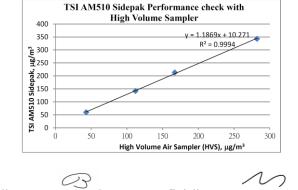
A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

Equipment Used:

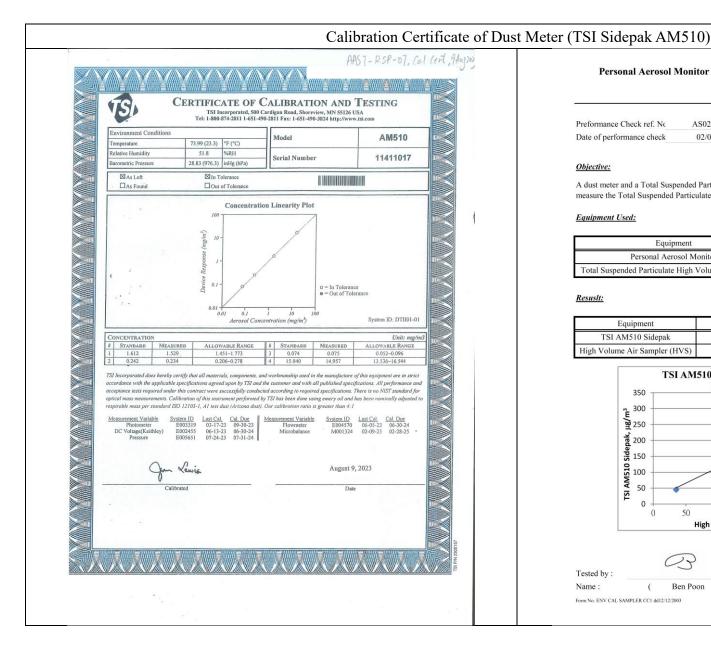
| Equipment | Manufacturer and Model | Serial Number |
|---|------------------------|---------------|
| Personal Aerosol Monitor | TSI AM510 Sidepak | 11208032 |
| Total Suspended Particulate High Volume Air Sampler | GS2310 | 10346 |

<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:

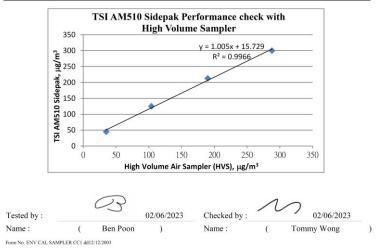
A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

Equipment Used:

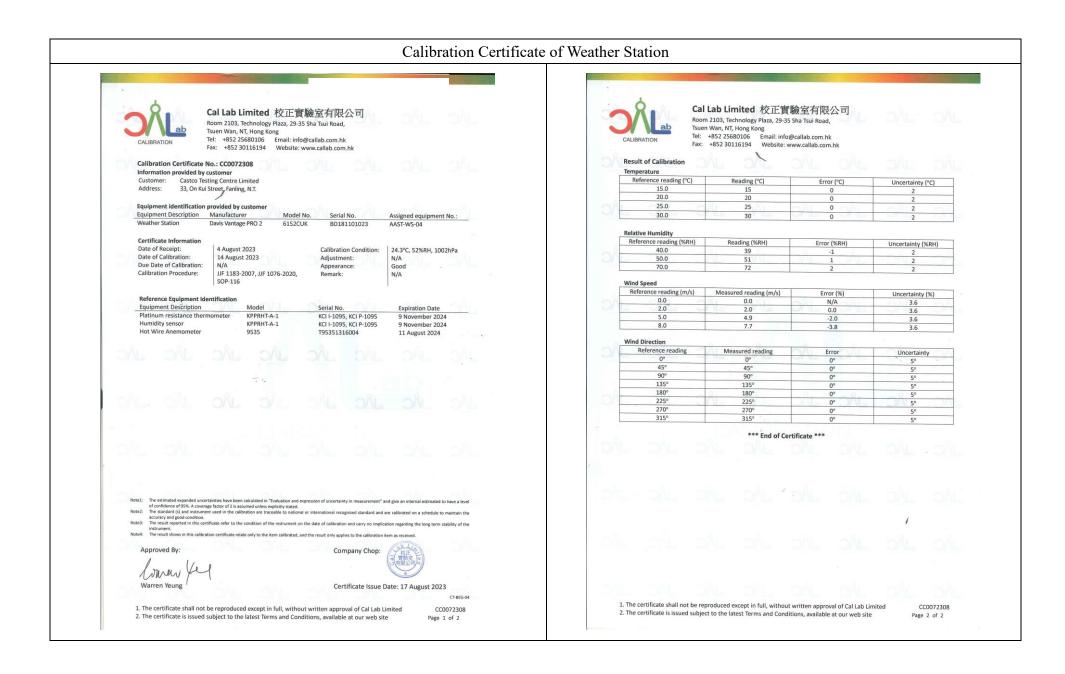
| Equipment | Manufacturer and Model | Serial Number |
|---|------------------------|---------------|
| Personal Aerosol Monitor | TSI AM510 Sidepak | 11411017 |
| Total Suspended Particulate High Volume Air Sampler | GS2310 | 10346 |

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[™] Stations 6162C Ultra Violet (UV) Radiation Index (requires UV sensor) Vantage Pro2[™] Range 0 to 16 Index High)) The Vantage Pro2[™] (# 6152C) and Vantage Pro2[™] 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[®] 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 cm²) 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 ³ /min) | (m ³) | $(\mu g/m^3)$ |
| 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

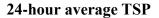
Average Action Level Limit Level

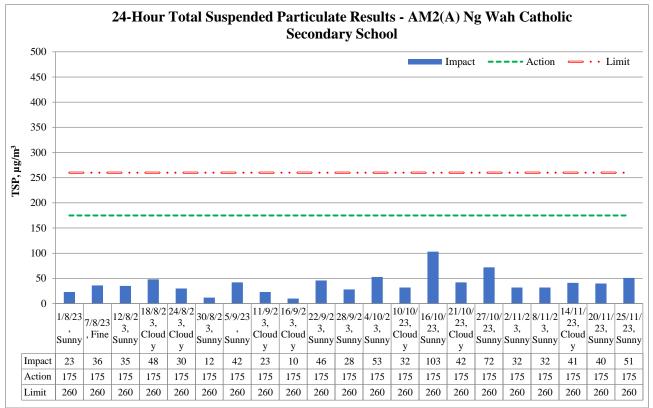
260

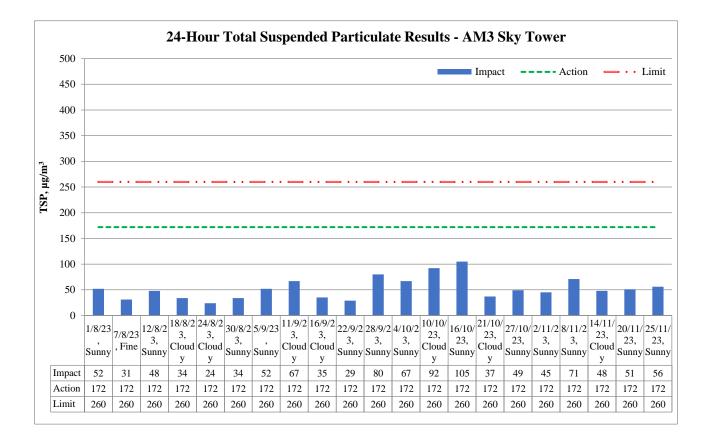
| Location: | AM3 – | Sky Tower | |
|-----------|-------|-----------|--|
| Location. | 11115 | DRy IOWEI | |

| 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 ³ /min) | (m ³) | $(\mu g/m^3)$ |
| 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 |
| | | | | | | | | | | | | | | 5 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 ³ | 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 | |

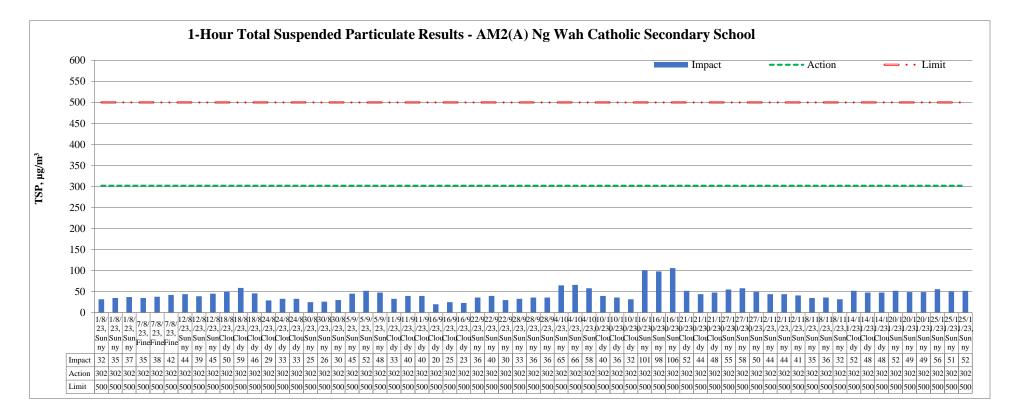
| Date | Measure | emei | nt Period | 1-hr TSP concentration, µg/m ³ | Weather |
|------------|------------|------|-----------|--|---------|
| | 13:00 | - | 14:00 | 67 | |
| 02/11/2023 | 14:00 | - | 15:00 | 70 | Sunny |
| | 15:00 | - | 16:00 | 73 | |
| | 9:00 | - | 10:00 | 44 | |
| 08/11/2023 | 10:00 | - | 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 | |

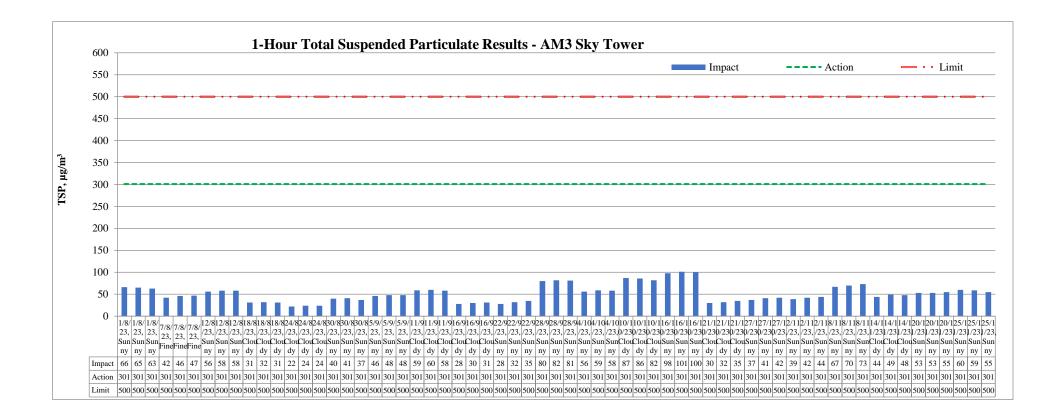
Location:

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. | ~ | ~ | ~ | ~ |

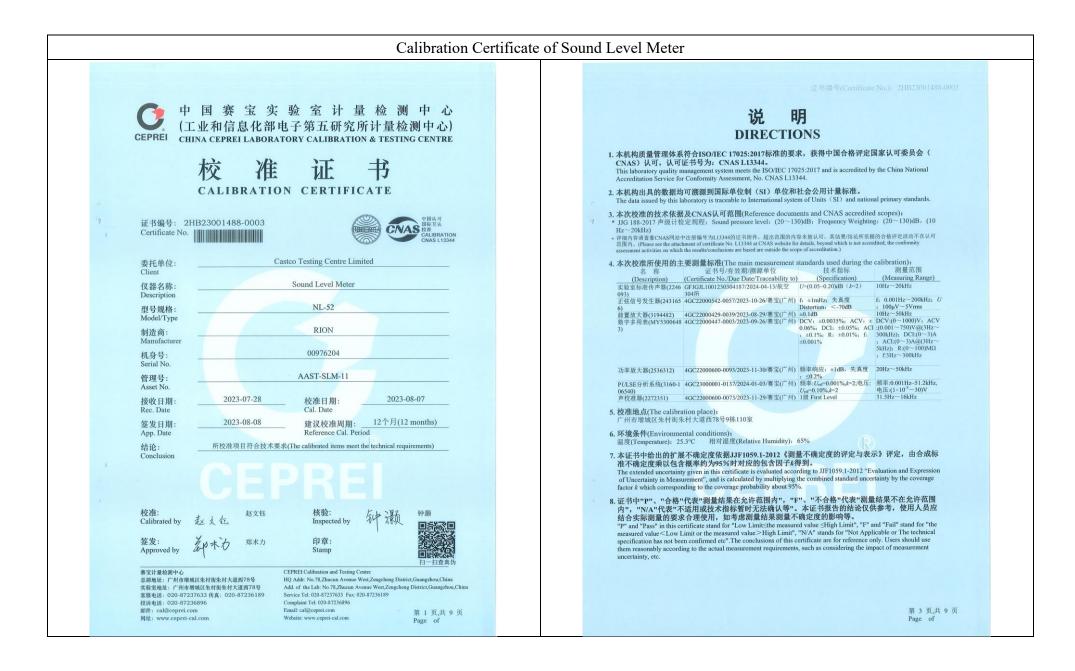
Appendix I – Event and Action Plan for air quality

| | | Action | n | |
|--|---|--|--|---|
| Event | ET | IEC | Supervisor / ER | Contractor |
| Action Level being exceeded by one sampling | Identify source and investigate the causes of exceedance; Inform Contractor, IEC and Supervisor /ER; Repeat measurement to confirm finding. | Check monitoring data 1 submitted by ET; Check Contractor's working method. | I. Notify Contractor. | Rectify any unacceptable practice; Amend working methods if appropriate. |
| Action Level being exceeded by two or more consecutive | 1. Identify source and investigate the causes of exceedance; | Check monitoring data 1 submitted by ET; Check Contractor's | 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 | of remedial measures;5. Conduct meeting with ET and IEC if exceedance | 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; | avoid further exceedance;Discuss with ET and IEC |
| | 2. Inform Contractor, IEC, Supervisor / EP, and EPD: | working method; 2 3. Discuss possible remedial 3 | 5 | on proper remedial actions; |
| | Supervisor /ER, and EPD;Repeat measurement to confirm finding; | 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. | implemented; 4. Supervise implementation of remedial measures; 5. Conduct meeting with ET and IEC if exceedance continues. | within three working days of notification;4. Implement the agreed proposals. |
| Limit Level being exceeded by two or more consecutive sampling | Notify IEC, Supervisor /ER, Contractor and EPD; Repeat measurement to confirm findings; Carry out analysis of Contractor's working procedures to identify source and investigate the causes of exceedance; Increase monitoring frequency to daily; Arrange meeting with IEC, Supervisor /ER and Contractor to discuss the remedial action to be taken; Assess effectiveness of Contractor's remedial actions and keep EPD, IEC and Supervisor /ER | submitted by ET; Check Contractor's working method; | notification of exceedance in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise implementation of remedial measures; | Take immediate action to avoid further exceedance; Discuss with ET and IEC on proper remedial actions; Submit proposal for remedial actions to Supervisor /ER and IEC within three working days of notification; Implement the agreed proposals; Submit further remedial actions if problem still not under control; Stop the relevant portion of works as instructed by the Supervisor /ER until the exceedance is abated. |
| | 7. If exceedance stop, cease additional monitoring. | | | |

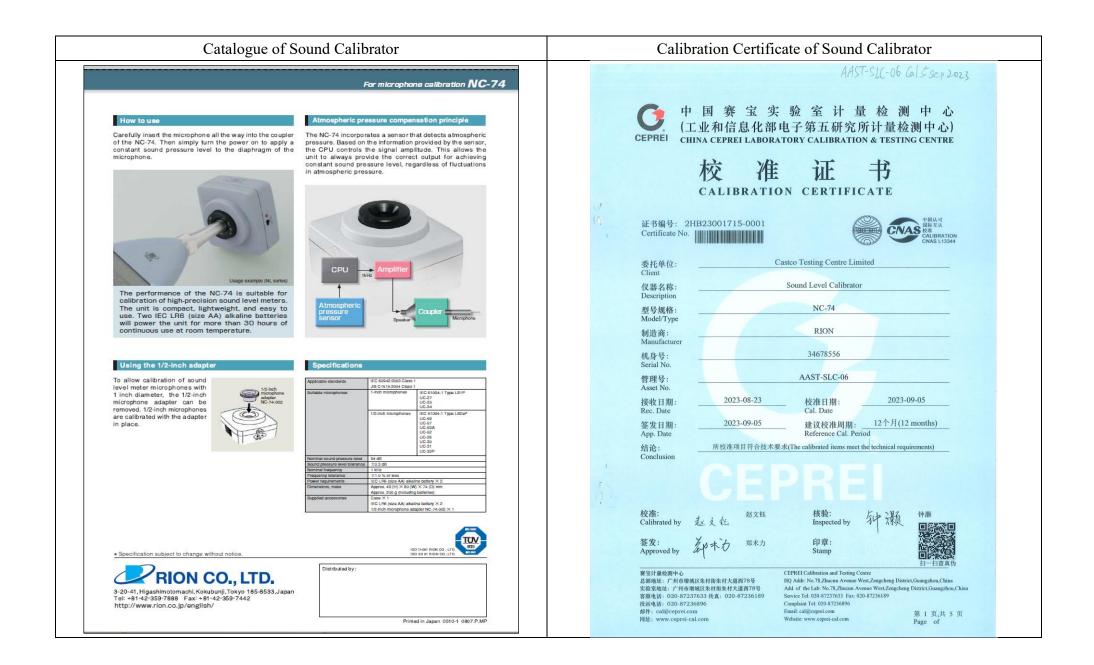
Appendix J – Calibration certificates, catalogue of noise monitoring equipment

| | | <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: | | | / | | | | O., LTD. |
| | | | | 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 | | | | | | 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 | |
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| 422691.093.893.892.80.23 didit Level Linearity <td></td> <td>P</td> <td></td> | | | | | | | | | | | P | |
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| 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 |
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| 12.03 110.0 110.0 110.0 | | | | | | | 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 | | | | | | | | | | | | |
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| 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 | ± 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 | ± 0.8 | Р | 0.3 | | | | | | |
| 31.0 30.8 -0.2 ±0.8 P 0.3 | 33.0 | 32.9 | -0.1 | ± 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 说 明 | СЕРПЕ! 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。 |
| 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. 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. | 2 声压级 (Sound Pressure Level) |
| 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。 The data issued by this laboratory is traceable to International system of Units (SI) and national primary standards. | 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 |
| 本次校准的技术依据及CNAS认可范围(Reference documents and CNAS accredited scopes): 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~ | () (Prescribed SPL) (Measured SPL) (Absolute value of SPL) (Limit) (Pass/Fail) (k=2) |
| 109405, 11405(21.5)/2 * 106/L2); Frequency: 51.5)/2 * 106/L2; Harmonic Distribution: 0.1% 105/m (2012) 20KHz) 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.) | (dB) (dB) (dB) (dB) 94 93.86 0.14 ≤ 0.25 P 0.10 |
| 本次校准所使用的主要测量标准(The main measurement standards used during the calibration): 名称 | 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 ⁶ ; DCI: ±2× DCV: 10nV~1000V: 10 ⁵ ; 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 ≤ 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> | GEPREI |
| 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 | | | | | | ~ 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 |
| Velocity 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) | Time Constant (T 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 | Tip 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 | | 15 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 ³ 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 ⁴ | 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 + 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 | | ¹ Temperature compensated ² 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. | ^a 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) |
| | | ⁹ 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 |

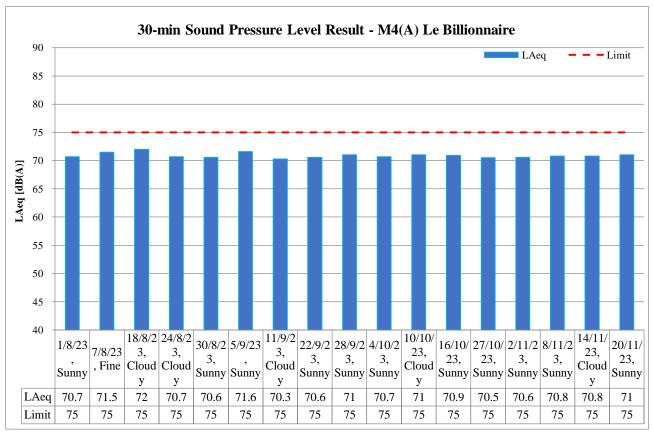
Appendix K – Noise monitoring results and graphical presentation

M4(A) – Le Billionnaire

| | Temp Wind Weather | | | | | Measured Noise Level at M4(A), dB(A) | | | | | | | | |
|------------|-------------------|--------------|--------|-------|---|--------------------------------------|------|------------------|------------------|-------|----|--|--|--|
| Date | (°C) | Speed m/s | r | | | Baseline | LAeq | L _{A10} | L _{A90} | 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 _{A10} | L _{A90} | 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

| F 4 | | Act | tion | |
|--------------------------------|---|---|--|---|
| Event | ЕТ | IEC | Supervisor / ER | Contractor |
| Action Level being exceeded | Notify Supervisor / ER, IEC and Contractor; Carry out investigation; Report the results of investigation to the IEC, Supervisor / ER and Contractor; Discuss with the IEC and Contractor on remedial measures required; Increase monitoring frequency to check mitigation effectiveness. (The above actions should be taken within 2 working days after the exceedance is | Review the investigation results submitted by the ET; Review the proposed remedial measures submitted by the Contractor and advise the ER accordingly; Advise the Supervisor / ER on the proposed remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified.) | 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; | Submit noise mitigation proposal to IEC and Supervisor / ER; Implement noise mitigation proposals. (The above actions should be taken within 2 working days after the exceedance is identified.) |
| Limit Level being exceeded | identified.) Inform IEC, Supervisor /ER, Contractor and EPD; Repeat measurement to confirm findings; Increase monitoring frequency; Identify source and investigate the cause of exceedance; Carry out analysis of Contract's working procedure; Discuss remedial measures required with the IEC, Contractor and Supervisor /ER; Assess effectiveness of | Discuss the potential remedial actions with Supervisor /ER, ET and Contractor; Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the Supervisor /ER accordingly. (The above actions should be taken within 2 working days after the exceedance is identified.) | Confirm receipt of notification of failure in writing; Notify Contractor; In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; Supervise the implementation of remedial measures; If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the | Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC and Supervisor /ER within 3 working days of notification; Implement the agreed proposal; Submit further proposal if problem still not under control; Stop the relevant portion of works as instructed by the Supervisor /ER until the exceedance is abated. (The above actions should be |

| 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. | Check report. Recommend remedial design if necessary. | Undertake remedial design if necessary. | | | | |
| Non-conformity on one occasion | Identify Source. Inform IEC and Supervisor /ER. Discuss remedial actions with IEC, Supervisor /ER and Contractor. Monitor remedial actions until rectification has been completed. | Contractor on possible remedial measures. | Notify Contractor. Ensure remedial measures are properly implemented. | Amend working methods. Rectify damage and undertake any necessary replacement. | | | |
| Repeated Non-conformity | Identify Source. Inform IEC and Supervisor /ER. Increase monitoring frequency. Discuss remedial actions with IEC, Supervisor /ER and Contractor. Monitor remedial actions until rectification has been completed. If non-conformity stops, cease additional monitoring. | method. 3. Discuss with ET and Contractor on possible remedial measures. | Notify Contractor. Ensure remedial measures are properly implemented. | Amend working methods. Rectify damage and undertake any necessary replacement. | | | |

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 ³] | [in '000m ³] | [in '000m ³] | [in '000m ³] | [in '000m ³] | [in '000m ³] | [in '000m ³] | [in '000m ³] | [in '000kg] | [in '000kg] | [in '000kg] | [in '000kg] | [in '000m ³] |
| 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 ³ 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/ or disposed 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 | | | | |
| | 4)Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers 5)A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) | | | | |

| EIA Ref | Recommended Mitigation Measures | In | | | | |
|------------|--|-----------------|--------------|----|--------|--|
| S9.5 | Waste Reduction Measures 1) Sort C&D waste from demolition of the remaining structures to recover recyclable portions such as metals 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 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 4) Any unused chemicals or those with remaining functional capacity should be recycled 5) Proper storage and site practices to minimize the potential for damage or contamination of construction materials | | | | | |
| 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. CM2 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 CM3 - 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 | Record of Warning | Notification of Summons and Successful Prosecutions |
|--------------|---------------------|--------------------------|--|
| ED/2018/05 | 1 | 0 | 0 |