Our ref: 16-5-2024

16-5-2024 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 15/2018 Environmental Monitoring Works for Contract No. ED/2018/01 - Kai Tak Development - Stage 4 infrastructure at the Former **Runway and South Apron** Submission of Monthly EM&A Report for April 2024 We refer to the Environment Permit (EP) No. EP-337/2009 and EP-445/2013/B for the captioned project. Pursuant to Condition 3.3 of the EP-337/2009 and Condition of the 3.2 of the EP-445/2013/A, please find enclosed four hard copies

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

and one electronic copy of Monthly EM&A Report, which has been verified by the IEC for your reference.

Yours faithfully,

For and on behalf of

Ka Shing Management Consultant Limited

AKCL

Applied Knowledge Center Limited

Company Secretary



Ref.: CEDKTDS4EM00_0_0354L.24

10 May 2024

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

By Post and Email

Shatin, Hong Kong

Attention: Ms. Fanny Lau

Dear Madam,

Re: Contract No. ED/2018/01 - Kai Tak Development Stage 4 Infrastructure at the Former Runway and South Apron

Monthly EM&A Report for April 2024

Reference is made to the Environmental Team's submission of the Monthly EM&A Report for April 2024 (Version 1.1) certified by the ET Leader and provided to us via email on 10 May 2024.

Please be advised that we have no further comment on the captioned Monthly EM&A Report in accordance with Condition 3.3 of EP-337/2009 and Condition 3.2 of EP-445/2013/B.

Thank you for your attention. Please do not hesitate to contact the undersigned should you have any queries.

Yours faithfully, For and on behalf of

Ramboll Hong Kong Limited

Y H Hui

Independent Environmental Checker

CEDD C.C. Ka Shing Attn.: Mr. Jason Wong Attn.: Mr. Chan Pang

Fax: 2739 0076

Penta-Ocean

Attn.: Mr. Daniel Ho

By Email

Fax: 2572 4080

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Environmental Monitoring and Audit Report for

Contract No. ED/2018/01 –

Kai Tak Development – Stage 4 infrastructure at the former runway and south apron

Contract No.: EDO 15/2018

April 2024

(Version 1.1)

Certified By:

(Environmental Team Leader)

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EXECUTIVE SUMMARY

This is the 52nd Monthly Environmental Monitoring & Audit (EM&A) report which summaries the findings of the EM&A Programme during the reporting period from 1 to 30 April 2024.

Breaches of Action and Limit Levels

- 1) 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 2) 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 3) Construction noise monitoring was conducted as scheduled in the reporting month. No Action Level and Limit Level exceedance was recorded in the reporting month.
- 4) 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

Domonoston	No. of Ex	Action Taken	
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

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

Table II Summary of complaints in the Reporting Month

Date of complaint received	Description of complaint	Investigation / Recommendations / Action taken	Close-out date / Status
NA	NA	NA	NA

Notifications of summons and successful prosecutions

6) 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.

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

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

Report changes

7) There was no reporting change in the reporting month.

Key construction works in the reporting month

- 8) Major construction activities undertake during the reporting month included:
 - Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road.
 - E&M works for Underpass 03
 - Construction of remaining works for Noise Barrier
 - Construction of RC structure for Lift LT-1 and LT-2
 - Construction of permanent railing for NDR
 - Modification works at Shing Kai Road

- Install the lift cart for Lift LT-4;
- Laying of stormwater drainage pipes/ sewer pipes/ watermains
- Waterproofing works for ELD
- Construction of Seawater Intake Box Culvert
- Concreting and RC structure of Pumping Stations
- Construction of Observation Deck
- Construction of LCSD Temporary Office;
- Construction of Harbour Steps
- Concreting and RC structure of Toilet cum Changing Room
- Construction of pedestrian street near Shing Fung Road Roundabout
- Construction of Floating Stage

Future key issues

9) 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
Construction of manholes and chambers at Shing Kai Road and the at-grade road near NDR, SDR, South Depressed Road, Lift LT-4 and Noise Barrier;	Noise and Air Quality, Chemical and Waste Management
Watermain connection and pressure test for watermains at Shing Kai Road and at-grade road near NDR;	Noise, Air and Water Quality
Construction of LCSD Temporary Office	Noise and Air Quality, Chemical and Waste Management
Construction of bus stop at at-grade road and noise barrier	Noise and Air Quality, Chemical and Waste Management
Installation of precast parapet for Bridge D3;	Noise and Air Quality, Chemical and Waste Management
Construction of Toilet cum Changing Room;	Noise, Air and Water Quality
Install the lift cart for Lift LT-4;	Noise and Air Quality, Chemical and Waste Management
Construction of Pumping Stations;	Noise and Air Quality, Chemical and Waste Management
Construction of Seawater Intake Box Culvert;	Noise and Air Quality, Chemical and Waste Management
Construction of Lift LT-1 & LT-2;	Noise, Air and Water Quality
Construction of Floating Stage;	Noise, Air and Water Quality
Construction of Harbour Steps.	Noise, Air and Water Quality
Diversion/ connection works (involving confined space) of Box Culvert	Noise and Air Quality, Chemical and Waste Management
Rising main laying works	Noise, Air and Water Quality
Construction of theater and dry fountain system near Toilet cum	Noise, Air and Water Quality

Future key issues in the coming month	Potential impact
E&M works for Underpass D3;	Noise and Air Quality, Chemical and Waste Management
Construction of Observation Deck	Noise, Air and Water Quality

1. INTRODUCTION

Project Background

- 1.1 The Kai Tak Development (KTD) is located in the south-eastern 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/2018/01 Kai Tak Development stage 4 infrastructure at the former runway and south apron (The Project), comprises mainly the design and construction of a dual two- lane Road D3 (Metro Park Section), a single 2-lane Road L12d, a salt water pumping station, a sewage pumping station, landscaped deck and promenade above and adjoining Road D3 (Metro Park Section) respectively, some remaining road works at Road L14, noise barrier at Road D3A, and other associated works at the former runway and south apron. The proposed works are shown in Figure 1 and Figure 2. During the course of the Contract No. ED/2018/01, there may be modification of noise barriers in association with the construction of footbridges connecting to the landscaped deck of Road D3A by developers of adjacent lands (Figure 3). The proposed works and site boundary are shown in Figure 4.
- 1.3 The new road connecting Shing Fung Road & Shing Kai Road has been open for public vehicles since 31 December 2022. Detailed location referring to Figure 5.
- 1.4 Civil Engineering and Development Department (CEDD) had completed an Environmental Impact Assessment (EIA) and is the Permit Holder.
- 1.5 The construction work under ED/2018/01 comprises the EM&A Manuals (EIA Register Nos. AEIAR-130/2009 for Kai Tak Development and EIA Register Nos. AEIAR-170/2013 for Roads D3A and D4A) and Environmental Permit (EP) Nos. EP-337/2009 and Variation to the EP (VEP) No. EP-445/2013/B.
- 1.6 Air quality and noise monitoring has been proposed in the EM&A Manual with EIA Register Nos. AEIAR-130/2009 for Kai Tak Development while no air quality and noise monitoring are proposed in EM&A Manual with EIA Register Nos. AEIAR-170/2013 for Roads D3A and D4A.

Project Organization

1.7 The project organization chart and with respect to the EM&A programme is shown in Appendix A. Information of key personnel contact names and telephone numbers are summarized in Table 1.1.

Table 1.1 Contact Information of Key Personnel

Party	Role	Contact Person	Position	Phone No.	Fax No.
Civil Engineering and Development	Project	Mr. Jason Wong	Senior Engineer	3579 2453	2739 0076
Development Department (CEDD)	Proponent	Proponent Ms. Chan Ka Yan E	Engineer	3579 2458	2739 0076
AECOM Asia Co. Ltd. (AECOM)	Supervisor (act as Engineers' Representative (ER) listed in EM&A Manual)	Ms. Fanny Lau	CRE	3911 4201	3911 4288
Ramboll Hong Kong Limited (Ramboll)	Independent Environmental Checker (IEC)	Mr. Y H Hui	IEC	3465 2850	3465 2899
Ka Shing Management Consultant Limited (Ka Shing)	Environmental Team (ET)	Mr. Chan Pang	ET Leader	6082 2973	2120 7752
Penta-Ocean Construction Co., Ltd. (Penta-Ocean)	Contractor	Mr. Tony Tang	Environmental Officer	9433 2628	3465 8898

Works Area and Construction Programme

1.8 The construction works commenced on 20 January 2020. The construction programme of the Project is given in Appendix B.

Construction works undertaken during reporting month

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

Table 1.2 Major activities of the Project during reporting month

Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road	E&M works for Underpass 03		
Construction of remaining works for Noise	Construction of RC structure for Lift LT-1 and		
Barrier	LT-2		
Construction of Permanent railing for NDR	Modification works at Shing Kai Road		
Install the lift cart for Lift LT-4	Laying of stormwater drainage pipes/ sewer		
mistan the firt eart for Ent E1-4	pipes/ watermains		
Waterproofing works for ELD	Construction of Seawater Intake Box Culvert;		
Concreting and RC structure of Pumping Stations	Construction of Observation Deck		
Construction of LCSD Temporary Office;	Construction of Harbour Steps;		
Concreting and RC structure of Toilet cum	Construction of pedestrian street near Shing		
Changing Room	Fung Road Roundabout		
Construction of Floating Stage			

Submission Status under the Environmental Permits

1.10 The status of required submission under Environmental Permit (EP) conditions under EP-337/2009 and Variation to the EP (VEP) No. EP-445/2013/B are summarized in Table 1.3.

Table 1.3 Summary of Status of Required Submission of EPs

EP Condition EP-337/2009	EP Condition EP-445/2013/B	Submission	Submission Date
Condition 1.11	Condition 1.12	Notification of Commencement Date of Construction of the Project	6 Jan 2020
Condition 2.3	Condition 2.3	Management Organization of Main Construction Companies	9 Sep 2019
Condition 2.3	Condition 2.3	Updated Management Organization of Main Construction Companies	17 Aug 2021
Condition 2.4	Condition 2.4	Design Drawings	6 Jan 2020
Condition 2.11	Condition 2.5	Landscape Mitigation Plans	13 Nov 2020
Condition 2.1	Condition 2.5	Landscape Mitigation Plans (Revision 2)	18 May 2021
NA	Condition 2.9	Detailed Design Plan of Traffic Noise Mitigation Measures	9 Dec 2022
Condition 3.2	NA	Baseline Monitoring Report	2 Jan 2020

EP Condition EP-337/2009	EP Condition EP-445/2013/B	Submission	Submission Date
Condition 3.2	NA	Revised Baseline Monitoring Report	28 Mar 2020
Condition 3.3	Condition 3.2	Monthly EM&A Report (March 2024)	11 April 2024

2. AIR QUALITY MONITORING

Monitoring Requirements

2.1 In accordance with EM&A Manuals (EIA Register Nos. 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 says 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 Three designated monitoring stations were selected for air quality monitoring programme. Impact air quality monitoring was conducted at three air quality monitoring stations in the reporting month. Table 2.1 describes the air quality monitoring locations, which are also depicted in Figure 6.

Table 2.1 Locations of Air Quality Monitoring Stations

Air Quality Monitoring Locations for the Project	Location of Measurement
AM3 - Sky Tower	Podium floor near T7
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	Ground
AM7 – Hong Kong Children's Hospital	Rooftop

- 2.3 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) while 1-hr TSP monitoring at AM4(A) were conducted on the ground floor with orienting to the Project site.
- 2.4 ET approached the potential sensitive receivers for monitoring station relocation since May 2022. ET conducted site visit in nearby area and found that there was no property management

- company in most of the nearby premises and could not approach the residents regarding the environmental monitoring. No permission can be applied for environmental monitoring.
- 2.5 For those premises have property management company, ET sent the proposal to owner / property management company and explained the purpose of environmental monitoring (refer to Appendix C Apply permission for Environmental Monitoring). Figure 7 shows the proposed alternative monitoring locations. No permission of setup and entry is received until the reporting month.
- 2.6 Summary of the status of for proposed alternative monitoring locations for AM4(A) are given in Table 2.2.

Table 2.2 Proposed alternative monitoring locations for AM4(A)

Table 2.2 Froposed differentive monitoring locallo	
Proposed alternative monitoring locations for M11	Status upto reporting month
A1 - The Lok Sin Tong Modular Social Housing Scheme	Rejected application on 13 Oct 2022
A2 - Freder Centre	No reply from building management office
A3 - New Port Centre	No reply from building management office
A4 - 112 - 138 To Kwa Wan Road	No property management company and could not apply the permission.
A5 - 2 - 26 Hok Ling Street	No property management company and could not apply the permission.
A6 - 1 - 27 Hok Ling Street	No property management company and could not apply the permission.
A7 - 2 - 28 Tsun Fat Street	No property management company and could not apply the permission.
A8 - 1 - 27 Tsun Fat Street	No property management company and could not apply the permission.
A9 – 2 - 28 Yin On Street	No property management company and could not apply the permission.
A10 – 1 – 27 Yin On Street	No property management company and could not apply the permission.
A11 – 2 – 28 Shim Luen Street	No property management company and could not apply the permission.
A12 - 1 - 27 Shim Luen Street	No property management company and could not apply the permission.
A13 - 2 - 28 Hung Wan Street	No property management company and could not apply the permission.
A14 - 1 - 27 Hung Wan Street	No property management company and could not apply the permission.
A15 - 2 - 28 Pang Ching Street	No property management company and could not apply the permission.
A16 - 1 - 27 Pang Ching Street	No property management company and could not apply the permission.
A17 - 2 - 28 Ying Yeung Street	No property management company and could

Proposed alternative monitoring locations for M11	Status upto reporting month
	not apply the permission.
A18 - 1 - 27 Ying Yeung Street	No property management company and could not apply the permission.
A19 - 2 - 28 Lun Cheung Street	No property management company and could not apply the permission.
A20 - 1 - 27 Lun Cheung Street	No property management company and could not apply the permission.
A21 - 2 - 28 Luk Ming Street	No property management company and could not apply the permission.
A22 - 1 - 27 Luk Ming Street	No property management company and could not apply the permission.
A23 - 2 - 28 Fung Yi Street	No property management company and could not apply the permission.

2.7 No update for the approval of monitoring relocation in the reporting month and ET will resume the impact monitoring once the alternative monitoring location for AM4(A) are confirmed.

Monitoring Parameters, Frequency and Duration

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

Table 2.3 Air Quality Monitoring Parameters, Frequency and Duration

Air Monitoring Station	Location for Measurement	Parameter	Duration	Frequency
AM3 - Sky Tower	Podium floor near T7			
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	Ground	- 24-hour average TSP - 1-hour	- 24 hours - 1 hour	Once every 6 daysThree times
AM7 - Hong Kong Children's Hospital	Rooftop	average TSP		every 6 days

- 2.9 The monitoring schedule for reporting month and next month is presented in Appendix D
- 2.10 Photographic records of the impact monitoring setup are shown in Appendix E.

Monitoring Equipment

2.11 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 2.4 summarizes the equipment to be used in the air quality monitoring.

Table 2.4 Air Quality Monitoring Equipment

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

- 2.12 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).
- 2.13 Calibration certificates, catalogue of equipment are given in Appendix F.

Monitoring Methodology and QA/QC Procedure

24-hour TSP Monitoring

Operating/Analytical Procedures

- 2.14 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.
- 2.15 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.
- 2.16 For TSP sampling, Glass Fiber Filter Media 8" x 10" have a collection efficiency of > 99 % for particles of 0.3 μm diameter were used.
- 2.17 The power supply was checked to ensure the sampler worked properly and then placed any filter media at the designated air monitoring station.
- 2.18 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.
- 2.19 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.
- 2.20 The shelter lid was closed and secured with the aluminium strip.
- 2.21 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).
- 2.22 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

- 2.23 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 with at bi-monthly intervals using TE-5025A
 Calibration Kit throughout all stages of the air quality monitoring.

1-hour TSP Monitoring

Measurement Procedures

- 2.24 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

- 2.25 The following maintenance/calibration are required for the direct dust meters:
 - To validity the accuracy of dust meter, compare the results measured by dust meter and HVS by direct reading method every 12 months throughout all stages of the air quality monitoring.

Wind Data Monitoring

- 2.26 Wind Anemometer was installed at the roof-top of AM7 Hong Kong Children's Hospital with 10m above ground and clear of constructions or turbulence caused by the buildings.
- 2.27 The wind data was captured by a data logger and the data was downloaded at least once per month for analysis.
- 2.28 The wind data monitoring equipment will be re-calibrated at least once every six months.
- 2.29 Wind direction is divided into 16 sectors of 22.5 degrees each.
- 2.30 Details of weather information during the monitoring period are shown in Appendix G.

Action and Limit Levels

2.31 The Action and Limit Levels of 24-hour average TSP and 1-hour average TSP are summarized in Table 2.5 and Table 2.6 respectively.

Table 2.5 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/m³
	AM3	182	260
24-hour average TSP	AM4(A)	187	260
_	AM7	181	260

Table 2.6 Action and Limit Levels of 1-hour average TSP for Construction Dust Monitoring

Parameter	Air Monitoring Station	Action Level, μg/m ³	Limit Level, µg/m³
	AM3	297	500
1-hour average TSP	AM4(A)	326	500
	AM7	315	500

Impact Air Quality Monitoring results

2.32 Impact monitoring results for 24-hour average TSP and 1-hour average TSP levels at the designed air quality monitoring stations are summarized in Table 2.7 and Table 2.8

respectively.

2.33 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) while 1-hr TSP monitoring at AM4(A) were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for AM4(A) is confirmed.

Table 2.7 Summary of 24-hour average TSP Monitoring Data during the reporting month

Air Monitoring Station	Average TSP Concentration, µg/m ³	Range, μg/m ³	Action Level, μg/m ³	Limit Level, μg/m ³
AM3	56	35 - 85	182	260
AM4(A)	/	/ – /	187	260
AM7	71	31 – 113	181	260

Table 2.8 Summary of 1-hour average TSP Monitoring Data during the reporting month

Air Monitoring Station	Average TSP Concentration, µg/m ³	Range, µg/m ³	Action Level, μg/m ³	Limit Level, μg/m ³
AM3	59	33 - 90	297	500
AM4(A)	79	41 – 99	326	500
AM7	69	36 – 102	315	500

- 2.34 There was no Action and Limit Level exceedance of 24-hour average TSP and 1-hour average TSP levels recorded during the reporting month.
- 2.35 Graphical presentation and detailed monitoring results of 24-hour average TSP and 1-hour average TSP levels are shown in Appendix H and Appendix I respectively.
- 2.36 The Event and Action Plan is provided in Appendix J.
- 2.37 Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.

3. NOISE MONITORING

Monitoring Requirements

- 3.1 In accordance with EM&A Manuals (EIA Register Nos. 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 on normal weekdays.
- 3.3 If construction works are extended to include works during 1900 0700 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 8.

Table 3.1 Locations of Noise Monitoring Stations

Noise Monitoring Locations for the Project	Location of Measurement
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	Ground (Façade)
M12 - Hong Kong Children's Hospital	Rooftop (Façade)

- 3.5 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022.
- 3.6 ET approached the potential sensitive receivers for monitoring station relocation since May 2022. ET conducted site visit in nearby area and found that there was no property management company in most of the nearby premises and could not approach the residents regarding the environmental monitoring. No permission can be applied for environmental monitoring.

- 3.7 For those premises have property management company, ET sent the proposal to owner / property management company and explained the purpose of environmental monitoring (refer to Appendix C Apply permission for Environmental Monitoring). Figure 9 shows the proposed alternative monitoring locations. No permission of setup and entry is received until the reporting month.
- 3.8 Summary of the status of for proposed alternative monitoring locations for M11 are given in Table 3.2.

Table 3.2 Proposed alternative monitoring locations for M11

<u>Iable 3.2 Proposed alternative monitoring location</u>	<u>ns joi 1/111</u>
Proposed alternative monitoring locations for M11	Status upto reporting month
A1 - The Lok Sin Tong Modular Social Housing Scheme	Rejected application on 13 Oct 2022
A2 - Freder Centre	No reply from building management office
A3 - New Port Centre	No reply from building management office
A4 - 112 - 138 To Kwa Wan Road	No property management company and could not apply the permission.
A5 - 2 - 26 Hok Ling Street	No property management company and could not apply the permission.
A6 - 1 - 27 Hok Ling Street	No property management company and could not apply the permission.
A7 - 2 - 28 Tsun Fat Street	No property management company and could not apply the permission.
A8 - 1 - 27 Tsun Fat Street	No property management company and could not apply the permission.
A9 – 2 - 28 Yin On Street	No property management company and could not apply the permission.
A10 – 1 – 27 Yin On Street	No property management company and could not apply the permission.
A11 – 2 – 28 Shim Luen Street	No property management company and could not apply the permission.
A12 - 1 - 27 Shim Luen Street	No property management company and could not apply the permission.
A13 - 2 - 28 Hung Wan Street	No property management company and could not apply the permission.
A14 - 1 - 27 Hung Wan Street	No property management company and could not apply the permission.
A15 - 2 - 28 Pang Ching Street	No property management company and could not apply the permission.
A16 - 1 - 27 Pang Ching Street	No property management company and could not apply the permission.
A17 - 2 - 28 Ying Yeung Street	No property management company and could not apply the permission.
A18 - 1 - 27 Ying Yeung Street	No property management company and could not apply the permission.
A19 - 2 - 28 Lun Cheung Street	No property management company and could
· · · · · · · · · · · · · · · · · · ·	

Proposed alternative monitoring locations for M11	Status upto reporting month
	not apply the permission.
A20 - 1 - 27 Lun Cheung Street	No property management company and could not apply the permission.
A21 - 2 - 28 Luk Ming Street	No property management company and could not apply the permission.
A22 - 1 - 27 Luk Ming Street	No property management company and could not apply the permission.
A23 - 2 - 28 Fung Yi Street	No property management company and could not apply the permission.

3.9 No update for the approval of monitoring relocation in the reporting month and ET will resume the impact monitoring once the alternative monitoring location for M11 are confirmed.

Monitoring Parameters, Frequency and Duration

3.10 The noise monitoring locations and monitoring frequency are listed in Table 3.3.

Table 3.3 Noise Monitoring Parameters, Frequency and Duration

Noise Monitoring Station	Location for Measurement	Parameter	Frequency and Duration
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	Ground (Façade)	$L_{Aeq,}L_{A10}$ and L_{A90}	30 - minutes measurement at each monitoring station between 0700 – 1900 hrs on normal weekdays
M12 - Hong Kong Children's Hospital	Rooftop (Façade)		(Monday to Saturday) at frequency of once per week.

^{*} Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022.

- 3.11 The monitoring schedule for reporting month and next month is presented in Appendix D.
- 3.12 Photographic records of the monitoring setup are shown in Appendix E.

Monitoring Equipment

3.13 As referred to in the Technical Memorandum (TM) issued under the Noise Control Ordinance (NCO), sound level meters in compliance with the IEC 61672-1 (Type 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 3.4 summarizes the equipment to be used in the noise monitoring.

Table 3.4 Noise Monitoring Equipment

Equipment	Model	Quantity
Sound Level Meter	RION NL52	2
Sound Level Calibrator	RION NC 74	2
Air Flowmeter	TSI TA440 Air Velocity	1

3.14 Calibration certificates, catalogue of equipment are given in Appendix K.

Monitoring Methodology and QA/QC Procedure

- 3.15 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.
- 3.16 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.
- 3.17 Turned on the sound level meter and check the battery, if too low, change new ones.
- 3.18 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.
- 3.19 Noise level was recorded.
- 3.20 Recorded any activities that may generate noise during measurement period.

Maintenance and Calibration

3.21 The microphone head of the sound level meter and calibrator was cleaned with a soft cloth at

quarterly intervals.

- 3.22 The sound level meter and sound calibrator were calibrated annually.
- 3.23 Calibration for sound level meter was conducted immediately prior to and following each noise measurement by using sound calibrator generating a known sound pressure level at a known frequency (1,000 Hz with 94dB). Measurements may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

Action and Limit Levels

3.24 The Baseline Noise Levels and Action and Limit Levels for construction noise is presented in Table 3.5.

Table 3.5 Baseline Noise Level and Action and Limit Levels for Construction Noise Monitoring

Time Period	Noise Monitoring Station	Baseline Noise Levels, dB (A)	Action Level	Limit Level ^
0700 – 1900 on	M11	68.3	When one documented	75 dB(A)
normal weekdays	M12	61.9	complaint is received.	75 GD (71)

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

- 3.25 Impact noise monitoring results at the designed noise monitoring stations are summarized in Table 3.6 respectively.
- 3.26 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 30-min noise monitoring at M11 were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for M11 is confirmed.

Table 3.6 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 ^
M11	73.5	72.9 – 74.3	When one documented	75
M12	65.9	65.4 – 66.2	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.

- 3.27 There were no Action Level exceedance of noise monitoring and Limit Level exceedance of L_{Aeq} , 30min recorded during the reporting month.
- 3.28 Graphical presentation and detailed monitoring results are shown in Appendix L.
- 3.29 The Event and Action Plan is provided in Appendix J.
- 3.30 Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may 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 Nos. AEIAR-130/2009 for Kai Tak Development (The EIA Report). The EM&A data was compared with the EIA predictions as summarized in Table 4.1 to Table 4.3.

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

		Predicted Cumulative Maximum 24-hour average TSP concentration		Measured 24-hr average TSP in
Air Monitoring Station	ASR No. in EIA report	Scenario 1 (Mid 2009 to Mid 2013),	Scenario 2 (Mid 2013 to Late 2016),	Reporting Month (April 2024) µg/m ³
		$\mu g/m^3$	$\mu g/m^3$	
AM3 - Sky Tower	A40^	106	138	35 - 85
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	A43^	123	195	/-/
AM7 – Hong Kong Children's Hospital	PA60	NA	NA	31 – 113

Note:

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

Air Monitoring Station	ASR No. in EIA report	Predicted Cumulative Maximum 1-hour average TSP concentration Scenario 1 Scenario 2 (Mid 2009 to (Mid 2013 to Mid 2013), Late 2016), µg/m³ µg/m³		Measured 1-hr average TSP in Reporting Month (April 2024) µg/m³
AM3 - Sky Tower	A40	217^	247^	33 - 90
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	A43	283^	409^	41 – 99
AM7 – Hong Kong Children's Hospital	PA60	NA	NA	36 – 102

Note:

[^] Prediction results are given in the Table 3.13 of the EIA report EIA Register Nos. AEIAR-130/2009 for Kai Tak Development.

^{*} Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) because of the assess limitation in the reporting month.

Table 4.3 Comparison of Noise Monitoring Data with EIA predictions

Noise Monitoring Station	NSR No. in EIA report	Predicted Mitigated Construction Noise Levels during Normal Daytime Working Hour LAeq, 30min, dB(A)	Measured Noise Level in Reporting Month (March 2024) L _{Aeq, 30min} , dB(A)
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	N18	50 – 76*	72.9 – 74.3
M12 - Hong Kong Children's Hospital	PN83, PN84, PN84A	NA	65.4 – 66.2

Note:

- 4.2 24-hr TSP monitoring result at AM3 were recorded lower than the prediction in the EIA Report. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) because of the assess limitation in the reporting month. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 4.3 No prediction in the EIA Report for 24-hour TSP monitoring results at AM7.
- 4.4 1-hour TSP monitoring results at AM3 and AM4(A) were recorded lower than the prediction in the EIA Report. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation in the reporting month. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 4.5 No prediction in the EIA Report for 1-hour TSP monitoring results at AM7.
- 4.6 Noise monitoring results at M11 were recorded lower than the prediction in the EIA Report.

[^] Prediction results are given in the Table 3.13 of the EIA report EIA Register Nos. AEIAR-130/2009 for Kai Tak Development.

^{*} Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation in the reporting month.

^{*} Prediction results are given in the Table 3.20 of the EIA report EIA Register Nos. AEIAR-130/2009 for Kai Tak Development.

^{*}Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. Construction noise monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation in the reporting month.

Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. Construction noise monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation in the reporting month. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.

4.7 No prediction in the EIA Report for noise monitoring results at M12.

5. LANDSCAPE AND VISUAL MONITORING

5.1 In accordance with EM&A Manuals (EIA Register Nos. AEIAR-130/2009 and AEIAR-170/2013), 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 3, 9, 18 and 25 April 2024 in the reporting month.
- 5.4 The summaries of site audits are attached in Table 5.1.

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

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
03 April 2024	No	NA	NA
09 April 2024	No	NA	NA
18 April 2024	No	NA	NA
25 April 2024	No	NA	NA

- 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 N 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 on 3, 9, 18 and 25 April 2024 in the reporting month.
- 6.3 The summaries of site audits are attached in Table 6.1.

Table 6.1 Summary of site inspections observations during the reporting month

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
03 April 2024	No	NA	NA
09 April 2024	Observation: Opened cement bag@ ELD should be covered properly when not in use or disposed properly.	Action Taken: Opened cement bag@ ELD was cleared properly.	Closed-out on 18 April 2024

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
	Observation: Waste tyre found at toiler cum should be removed timely.	Action Taken: Waste tyre found at toiler cum have been removed timely.	Closed-out on 18 April 2024
18 March 2024	No	NA	NA
25 March 2024	No	NA	NA

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 O.
- 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.

Table 6.2 Summary of Environmental Licenses, Notifications and Permits

Environmental Licenses, Notifications and Permits	Ref. No.	Valid Form	Valid Till
Environmental Permit under EIAO	EP-337/2009	23 Apr 2009	N/A
Environmental Permit under EIAO	EP-445/2013/B	3 May 2022	N/A
Construction Dust Notification under APCO	445956	6 Jun 2019	N/A
Wastewater Discharge License under WPCO	WT00034610-2019	26 Sep 2019	30 Sep 2024
Waste Disposal Billing Account	7034450	28 Jun 2019	N/A
Registration as a Chemical Waste Producer	5218-286-P3182-03	18 Jul 2019	N/A
Construction Noise Permit	GW-RE0525-24	30 Apr 2024	29 Oct 2024
	GW-RE0526-24	30 Apr 2024	29 Oct 2024
	GW-RE0063-24	30 Jan2024	28 Jul 2024
	GW-RE0064-24	05 Feb 2024	04 Jul 2024
	GW-RE0082-24	14 Feb 2024	13 Aug 2024
	GW-RE0090-24	07 Feb 2024	29Apr2024
	GW-RE0092-24	01 Feb 2024	29 Apr 2024
	GW-RE1252-23	19 Oct 2023	15 Apr 2024
	GW-RE1364-23	14 Nov 2023	13 May 2024
	GW-RE1368-23	15 Nov 2023	14 May 2024
	GW-RE1654-23	07 Jan 2024	29 Apr 2024

Implementation Status of Environmental Mitigation Measures

- 6.7 The Contractor has implemented environmental mitigation measures and requires as stated in the EIA reports, the EP and the EM&A Manuals. The implementation status of the mitigation measures during the reporting month is summarized in Appendix P.
- 6.8 In response to the site audit findings, the Contractor carried out corrective actions with summary given in Appendix P.

Environmental Complaint and Non-compliance

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

Table 6.3 Summary of complaints in the Reporting Month

Date of complaint received	Description of complaint	Investigation / Recommendations / Action taken	Close-out date / Status
NA	NA	NA	NA

6.10 Complaint log and Complaint Investigation report are shown in Appendix Q.

Notifications of summons and successful prosecutions

6.11 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.

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

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.				

6.12 The summaries of cumulative environmental complaint, warning, summon and notification of successful prosecution for the Project is presented in Appendix Q.

7. FUTURE KEY ISSUES

Construction Programme in the coming month

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

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

<u>140te 7.1 Summary of Juture key issues una potential impact in t</u>	ne coming monin
Future key issues in the coming month	Potential impact
Construction of manholes and chambers at Shing Kai Road and the at-grade road near NDR, SDR, Lift LT-4 and Noise Barrier	Noise and Air Quality, Chemical and Waste Management
Watermain connection and pressure test for watermains at Shing Kai Road and at-grade road near NDR	Noise and Air Quality, Landscape and Visual
Construction of LCSD Temporary Office	Noise and Air Quality, Chemical and Waste Management
Construction of bus stop at at-grade road and noise barrier	Noise and Air Quality, Chemical and Waste Management
Installation of precast parapet for Bridge D3	Noise and Air Quality, Chemical and Waste Management
Concreting and RC structure of Toilet cum Changing Room	Noise, Air and Water Quality
Install the lift cart for Lift LT-4	Noise and Air Quality, Chemical and Waste Management
Construction of Pumping Stations;	Noise and Air Quality, Chemical and Waste Management
Construction of Seawater Intake Box Culvert;	Noise and Air Quality, Chemical and Waste Management
Construction of Lift LT-1 & LT-2;	Noise, Air and Water Quality
Construction of Floating Stage;	Noise, Air and Water Quality
Construction of Harbour Steps	Noise, Air and Water Quality
Diversion/ connection works (involving confined space) of Box Culvert	Noise, Air and Water Quality
Rising main laying works	Noise, Air and Water Quality
Construction of theater and dry fountain system near Toilet cum	Noise, Air and Water Quality
E&M works for Underpass D3	Noise and Air Quality, Chemical and Waste Management
Construction of Observation Deck	Noise, Air and Water Quality

- 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 Reports.

Environmental Site Inspection and Monitoring Schedule for next month

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

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. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation in the reporting month.
- 8.3 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since1 Sept 2022. No 24-hour TSP monitoring was conducted at AM4(A) because of the assess limitation in the reporting month.
- 8.4 Construction noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. Impact monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation in the reporting month.
- 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.

Figure

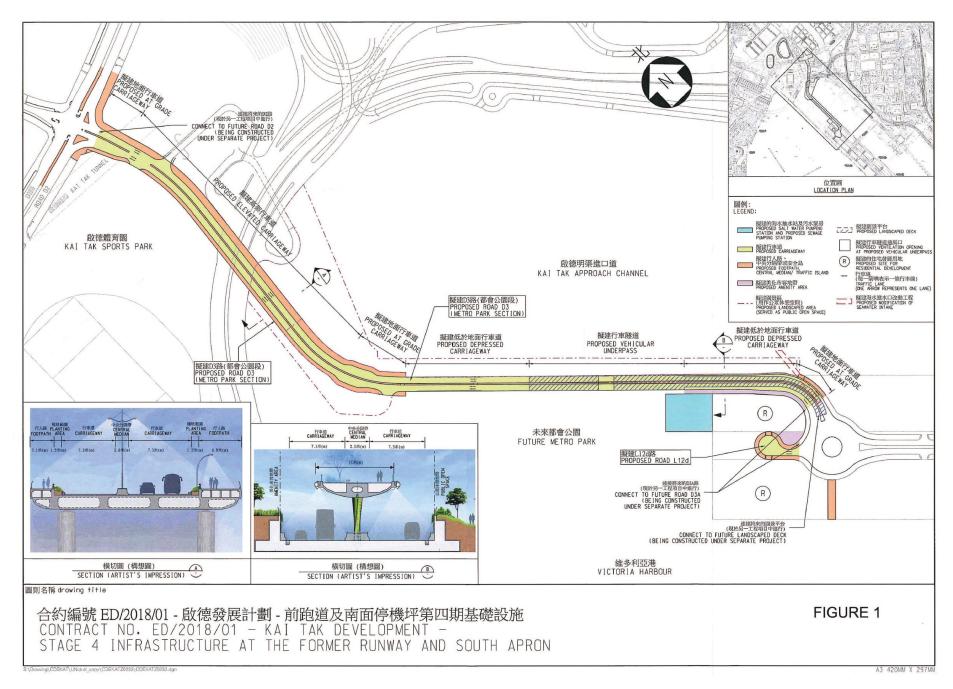


Figure 1 – Proposed works of Contract No. ED/2018/01

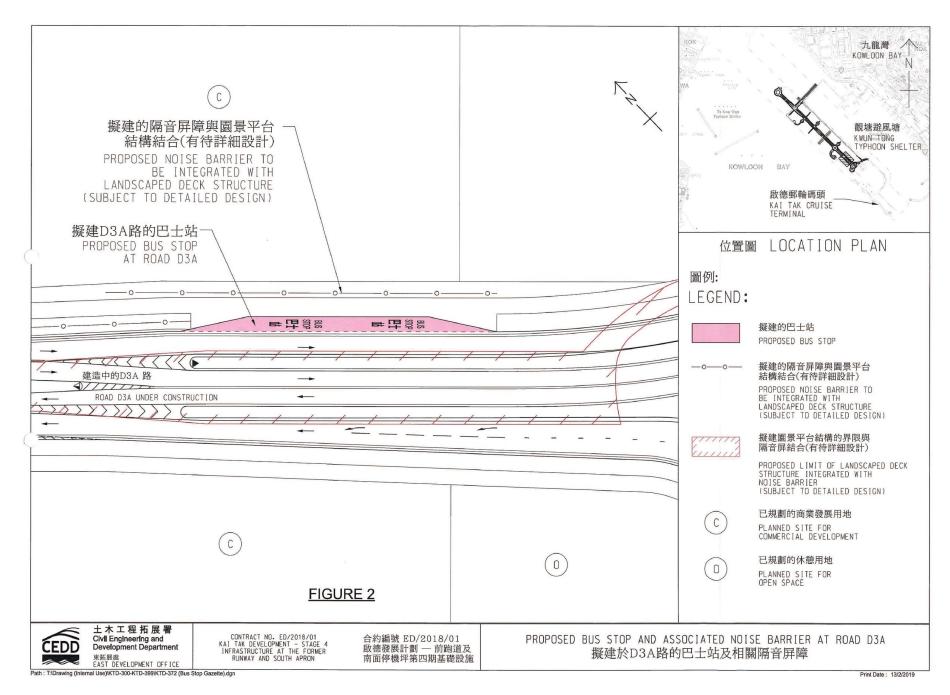


Figure 2 – Proposed Bus Stop And Associated Noise Barrier At Road D3A

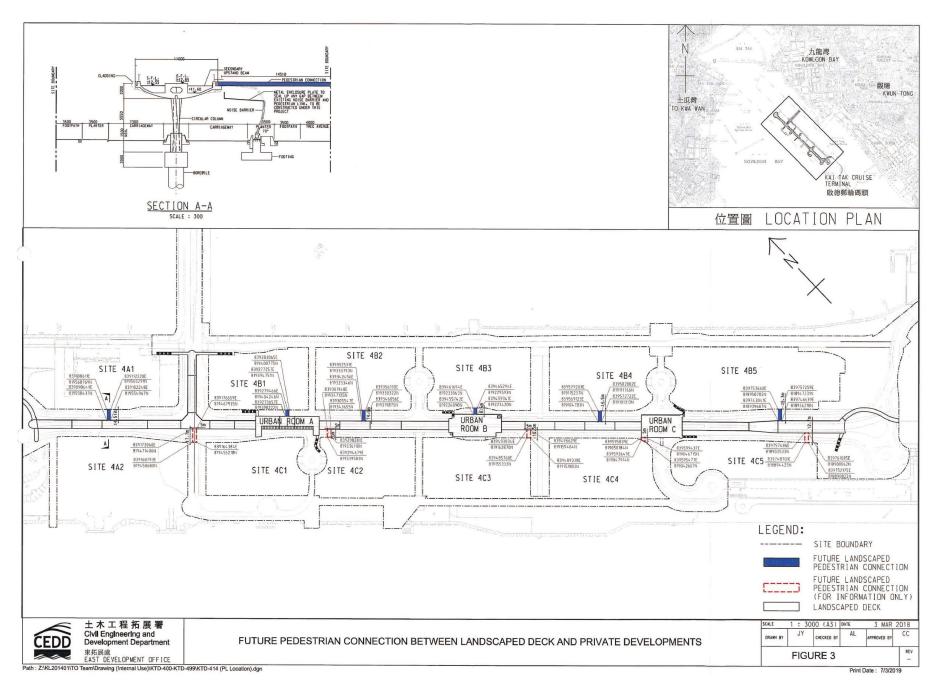


Figure 3 – Future Pedestrian Connection Between Landscaped Deck And Private Developments

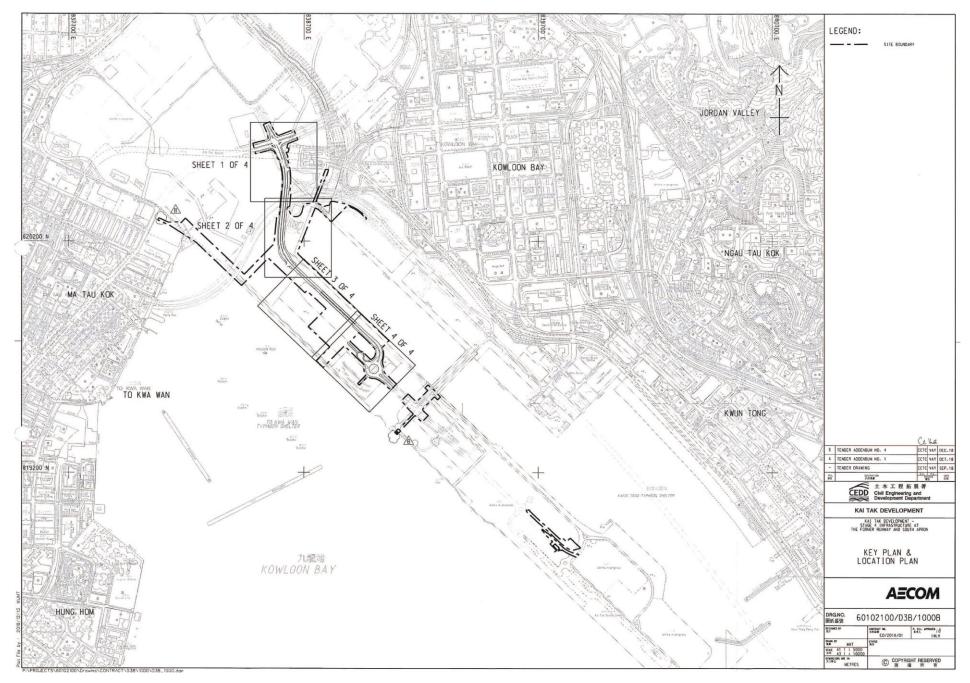


Figure 4 – Site Layout Plan

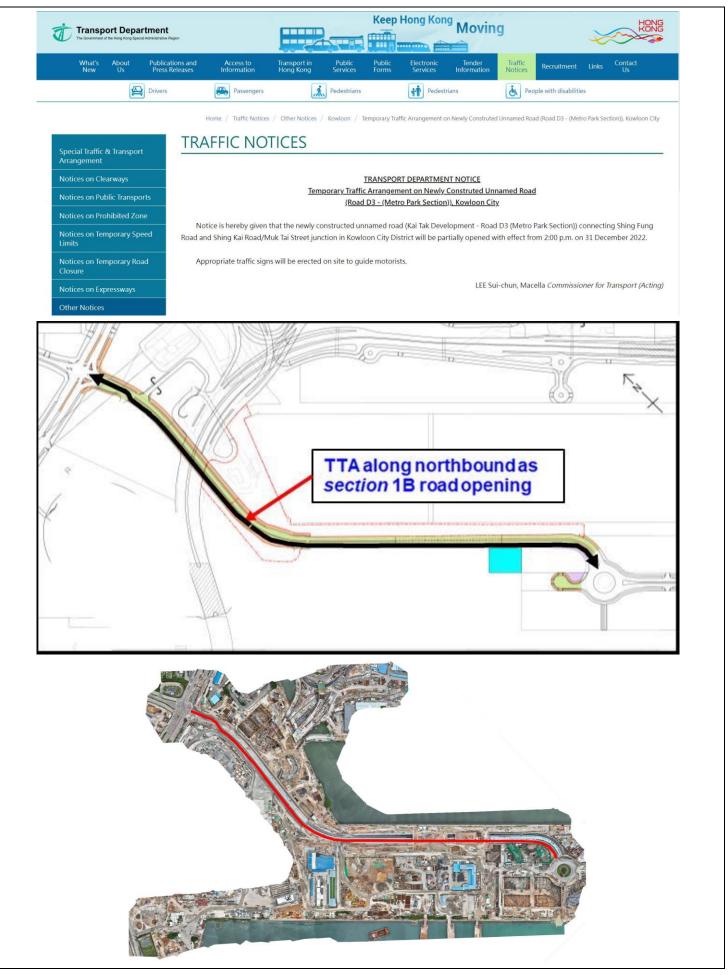


Figure 5 – New Opened Road on 31 December 2022

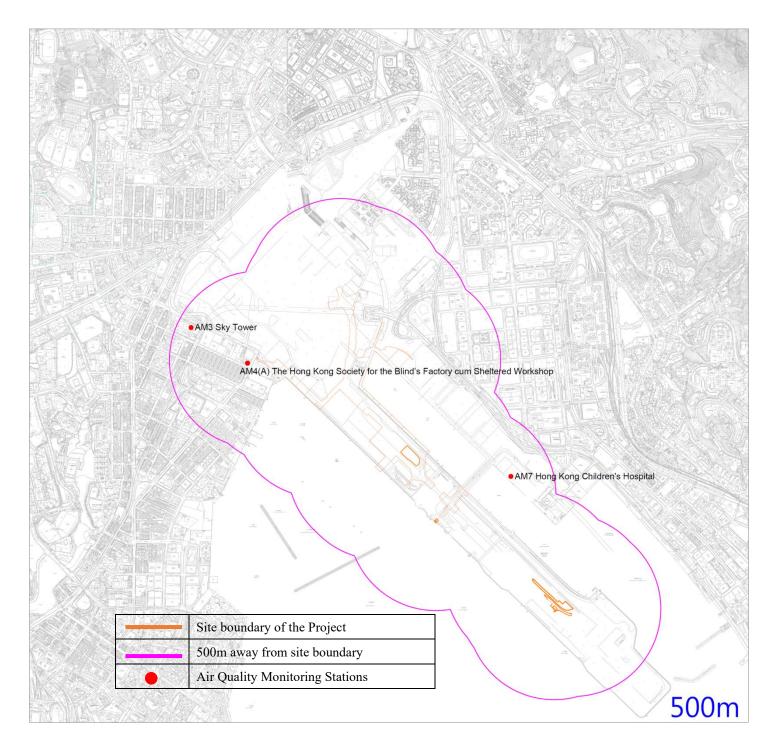


Figure 6 – Air Quality Monitoring Stations

^{*} Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. Construction noise monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation in the reporting month.

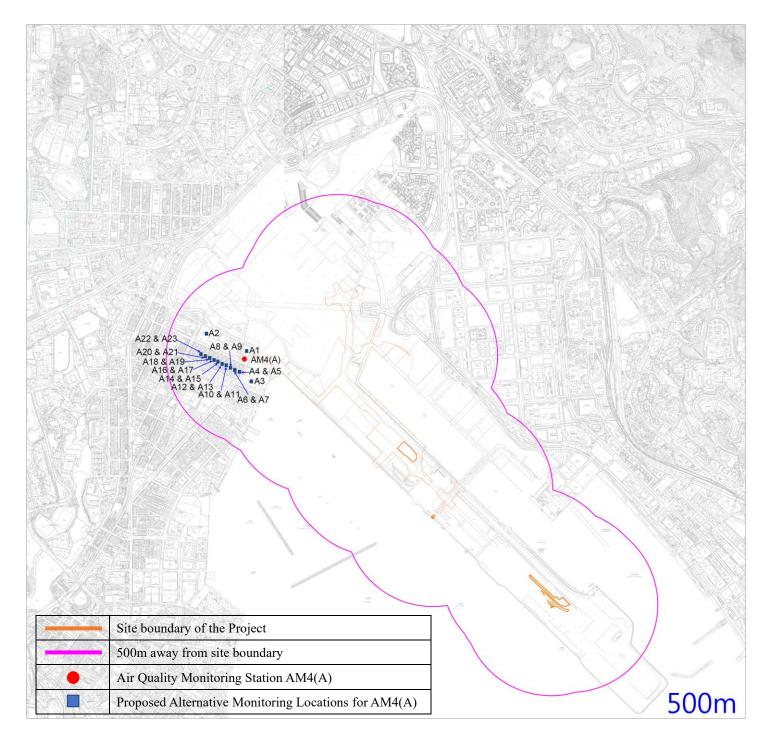
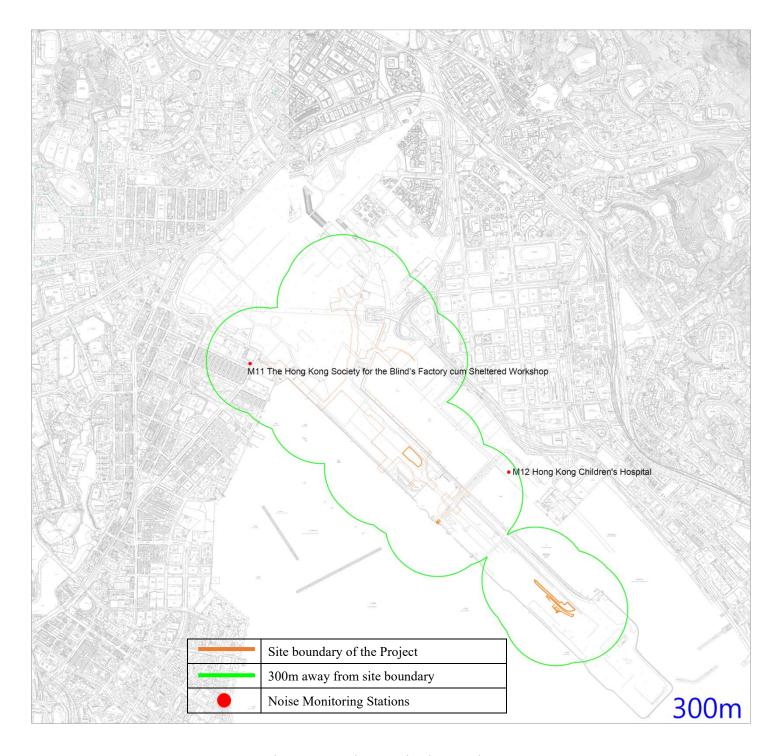


Figure 7 – Proposed Alternative Monitoring Locations for AM4(A)



 $Figure\ 8-Noise\ Monitoring\ Stations$

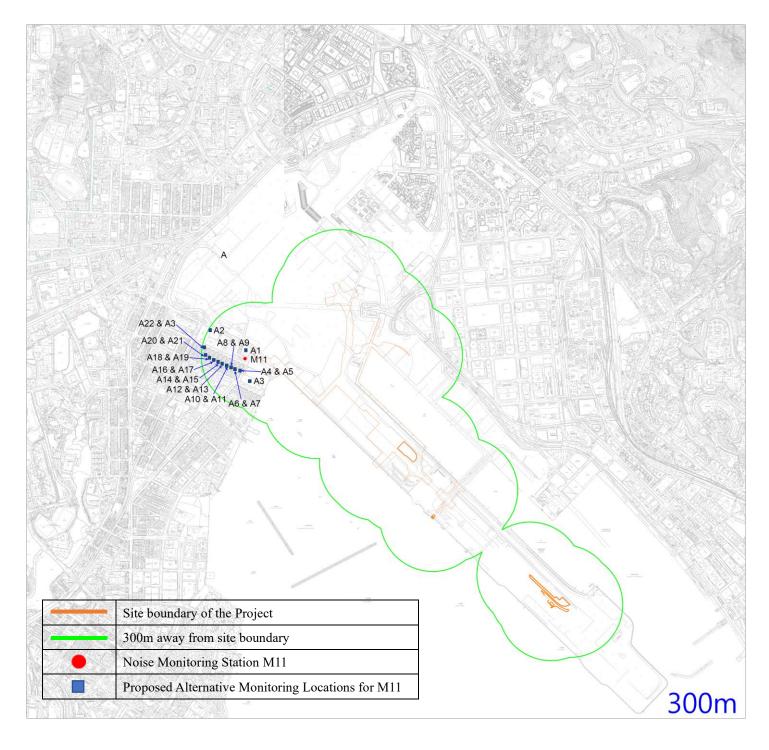
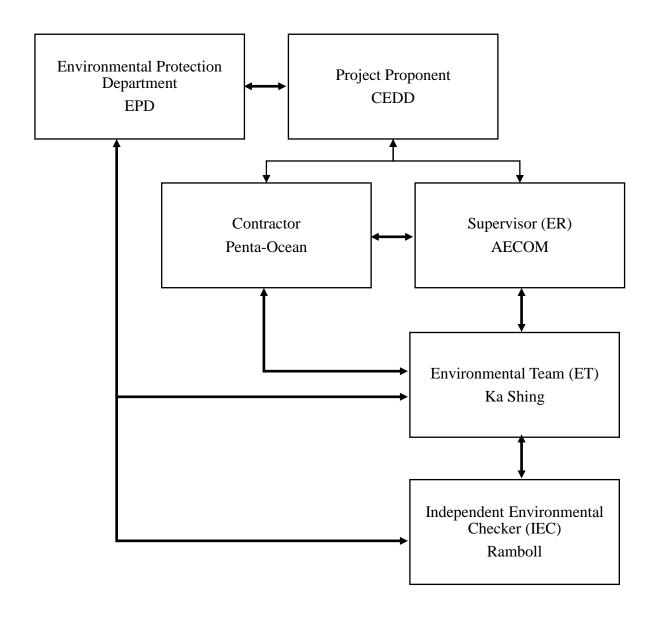


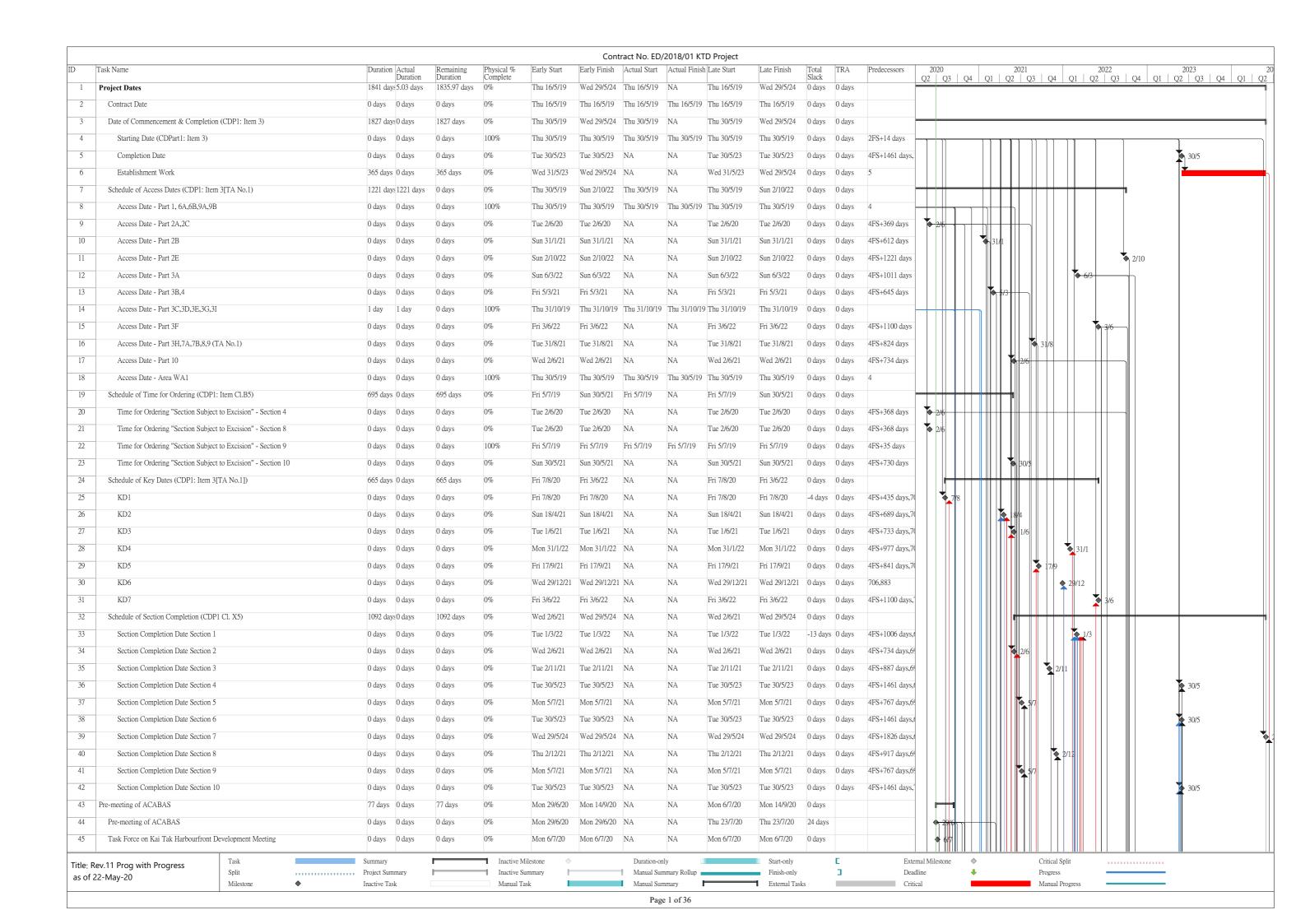
Figure 9 – Proposed Alternative Monitoring Locations for M11

Appendix A – Organization Chart of EM&A Team



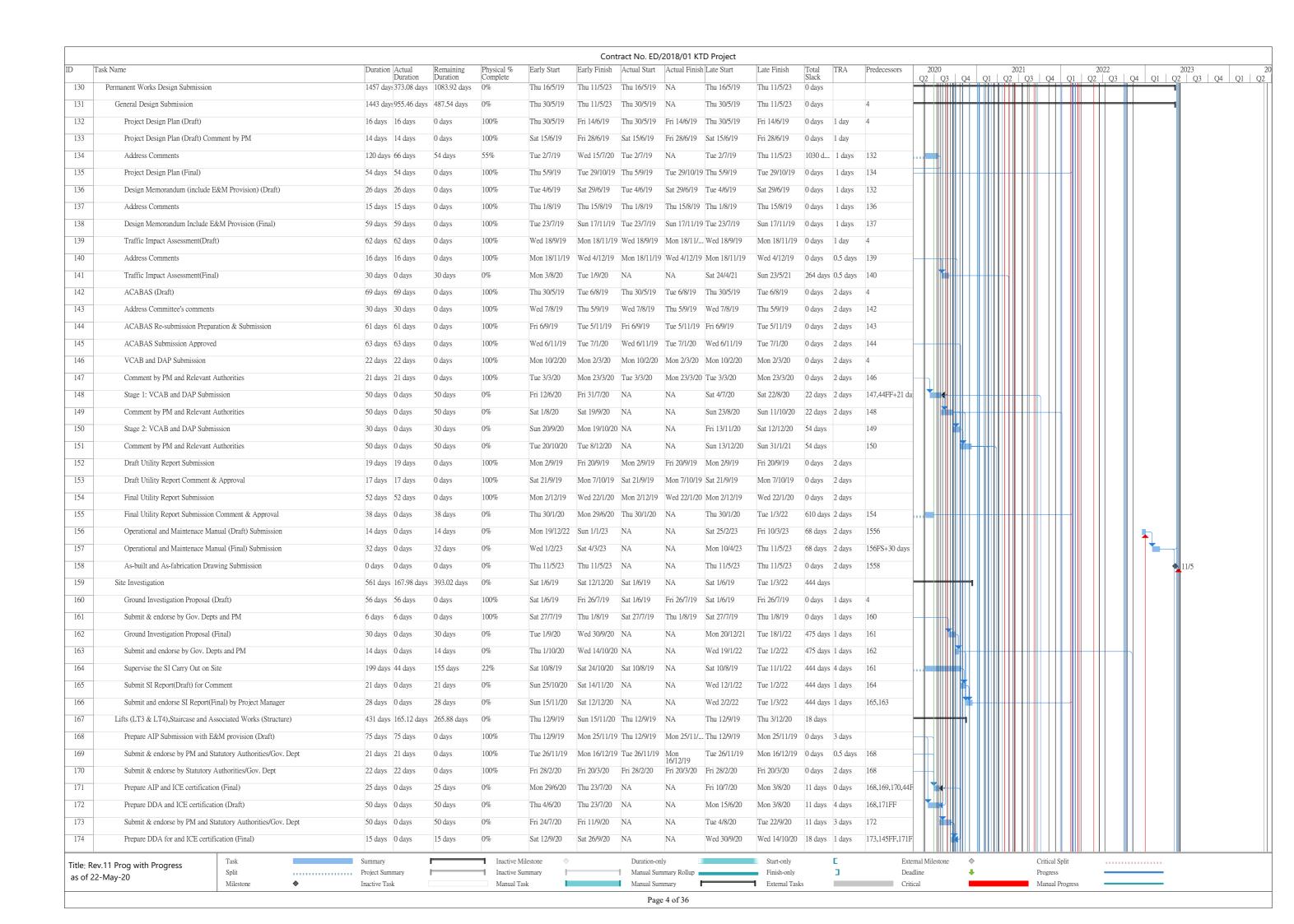
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Appendix B – Construction Programme



							Cont	tract No. ED/	2018/01 KT	D Project										
	Task Name	Duration	n Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total TI Slack	RA Predecesso		Q3 Q4 Q2	2021	O4 O1	2022	04 01	2023 Q2 Q3
46	District Council Consultation	0 days		0 days	0%	Mon 14/9/20	Mon 14/9/20	NA	NA	Mon 14/9/20	Mon 14/9/20	0 days			14/9		<u> Q4 Q1</u>	Q2 Q3	Q4 Q1	Q2 Q3 Y
47	Project Manager's Instruction	8 days	8 days	0 days	0%	Thu 20/2/20	Fri 28/2/20	Thu 20/2/20	Fri 28/2/20	Thu 20/2/20	Fri 28/2/20	0 days								
48	PMI No. 001 - BIM Promenade Walk-through Video for Infrastructure in Kai Tak Stage 4	0 days	0 days	0 days	100%	Thu 20/2/20	Thu 20/2/20	Thu 20/2/20	Thu 20/2/20	Thu 20/2/20	Thu 20/2/20	0 days		0/2						
49	PMI No. 002 - Arranagement of Restricting Site Activities due to Spread of the Noval Coronavirus Between 29 January 2020 to 02 February 2020	0 days	0 days	0 days	100%	Fri 28/2/20	Fri 28/2/20	Fri 28/2/20	Fri 28/2/20	Fri 28/2/20	Fri 28/2/20	0 days		28/2						
50	Compensation Event	16 days	16 days	0 days	0%	Mon 10/2/20	Wed 26/2/20	Mon 10/2/20	Wed 26/2/20	Mon 10/2/20	Wed 26/2/20	0 days								
51	CE/001: BIM Promenade Walk-through Video for Infrastructure in Kai Tak Stage 4	0 days	0 days	0 days	100%	Mon 10/2/20	Mon 10/2/20	Mon 10/2/20	Mon 10/2/20	Mon 10/2/20	Mon 10/2/20	0 days		/2						
52	CE/002 - Arranagement of Restricting Site Activities due to Spread of the Noval Coronavirus Between 29 January 2020 to 02 February 2020	0 days	0 days	0 days	100%	Wed 26/2/20	Wed 26/2/20	Wed 26/2/20	Wed 26/2/20	Wed 26/2/20	Wed 26/2/20	0 days		16/2						
53	Early Warning	257 day	s 257 days	0 days	0%	Wed 10/7/19	Mon 23/3/20	Wed 10/7/19	Mon 23/3/20	Wed 10/7/19	Mon 23/3/20	0 days								
54	EW No. 001: CLP's 11kV and 132kV Cable Routing across Utility Trough of Bridge D3 and Alongside Road D3 (Metro Park Section)	0 days	0 days	0 days	100%	Wed 10/7/19	Wed 10/7/19	Wed 10/7/19	Wed 10/7/19	Wed 10/7/19	Wed 10/7/19	0 days								
55	EW No. 002: Deep Excavation Basement Construction Works from CKR-BEM Contract	0 days	0 days	0 days	100%	Thu 5/9/19	Thu 5/9/19	Thu 5/9/19	Thu 5/9/19	Thu 5/9/19	Thu 5/9/19	0 days								
56	EW No. 003: Overhang Cables of CLP Delay the Northern Depressed Road	0 days	0 days	0 days	100%	Wed 11/9/19	Wed 11/9/19	Wed 11/9/19	Wed 11/9/19	Wed 11/9/19	Wed 11/9/19	0 days		$-\parallel\parallel\parallel$						
57	EW No. 004: Late Commencement on Noise and Air Baseline Monitoring Delay the Northern Depressed Road CH1560 to 1720	0 days	0 days	0 days	100%	Mon 4/11/19	Mon 4/11/19	Mon 4/11/19	Mon 4/11/19	Mon 4/11/19	Mon 4/11/19	0 days								
8	EW No. 005: Maintain the SCL RoW which should have been diverted to the RoW Constructed by KTSP caused Disruption to the Construction of North Approach Ramp especially affect the KTD1	0 days	0 days	0 days	100%	Wed 13/11/19	Wed 13/11/19	Wed 13/11/19	Wed 13/11/19	Wed 13/11/19	Wed 13/11/19	0 days								
59	EW No. 006: Deferral of Design Deliverables	0 days	0 days	0 days	100%	Mon 16/12/19	Mon 16/12/19	Mon 16/12/19	Mon 16/12/	Mon 16/12/19	Mon 16/12/19	0 days		$-\parallel\parallel\parallel$						
50	EW No. 007: Delay on Driven H-piles by KTSP may affect the KD1	0 days	0 days	0 days	100%	Fri 20/12/19	Fri 20/12/19	Fri 20/12/19	Fri 20/12/19	Fri 20/12/19	Fri 20/12/19	0 days		$-\parallel\parallel\parallel$						
61	EW No. 008: Not Allow to Extract Sheetpiles of North Approach Ramp beside Kai Tak Sport Park as Discussed at the Interface Meeting	0 days	0 days	0 days	100%	Fri 27/12/19	Fri 27/12/19	Fri 27/12/19	Fri 27/12/19	Fri 27/12/19	Fri 27/12/19	0 days								
2	EW No. 010: Existing 150mm Fresh Water Pipe clashing with Bridge D3 and South	0 days	0 days	0 days	100%	Wed 8/1/20	Wed 8/1/20	Wed 8/1/20	Wed 8/1/20	Wed 8/1/20	Wed 8/1/20	0 days								
3	Approach Ramp EW No. 011: Additional Requirement for Special Arrangement for Design and Construction of Noise Barrier fir Future Connection of Footbridge FB10 from Development Site 4B5	0 days	0 days	0 days	100%	Tue 14/1/20	Tue 14/1/20	Tue 14/1/20	Tue 14/1/20	Tue 14/1/20	Tue 14/1/20	0 days								
4	EW No. 014: Planning of the Works in Revised Programme (Rev. 6)	0 days	0 days	0 days	100%	Mon 10/2/20	Mon 10/2/20	Mon 10/2/20	Mon 10/2/20	Mon 10/2/20	Mon 10/2/20	0 days		1/2						
55	EW No. 015: Outbreak of Novel Coronavirus (Constraints on Working Time)	0 days	0 days	0 days	100%	Tue 11/2/20	Tue 11/2/20	Tue 11/2/20	Tue 11/2/20	Tue 11/2/20	Tue 11/2/20	0 days		/2						
66	EW No. 016: Outbreak of Novel Coronavirus (Late Supply of Agggregate)	0 days	0 days	0 days	100%	Wed 19/2/20	Wed 19/2/20	Wed 19/2/20	Wed 19/2/20	Wed 19/2/20	Wed 19/2/20	0 days		9/2						
57	EW No. 020: GEO Audit for Underpass D3	0 days	0 days	0 days	100%	Fri 13/3/20	Fri 13/3/20	Fri 13/3/20	Fri 13/3/20	Fri 13/3/20	Fri 13/3/20	0 days		13/3						
68	EW No. 021: Unforessen Underground Water at North Approach Ramp Bay 6	0 days	0 days	0 days	100%	Thu 12/3/20	Thu 12/3/20	Thu 12/3/20	Thu 12/3/20	Thu 12/3/20	Thu 12/3/20	0 days		12/3						
59	EW No. 022:Deferral of Interface Management Plan Submission for Noise Barrier Works	0 days	0 days	0 days	100%	Fri 13/3/20	Fri 13/3/20	Fri 13/3/20	Fri 13/3/20	Fri 13/3/20	Fri 13/3/20	0 days		13/3						
70	EW No. 023:Disruption of the Works due to Stockpile was not allowed to dispose to the	0 days	0 days	0 days	100%	Mon 16/3/20	Mon 16/3/20	Mon 16/3/20	Mon 16/3/20	Mon 16/3/20	Mon 16/3/20	0 days		16/3						
71	Proposed Disposal Ground EW No. 025: Broken Steel Casing for Bored Pile P02-BP2	0 days	0 days	0 days	100%	Mon 23/3/20	Mon 23/3/20	Mon 23/3/20	Mon 23/3/20	Mon 23/3/20	Mon 23/3/20	0 days		23/3						
72	Contractor's Notification of Compensation Event	14 days	0 days	14 days	0%	Thu 28/5/20	Thu 11/6/20	NA	NA	Tue 9/6/20	Tue 7/7/20	12 days		n						
73	Compensation Event (CNCE) No. 009 - Inclement Weather in April 2020	0 days	0 days	0 days	0%	Thu 28/5/20	Thu 28/5/20	NA	NA	Tue 7/7/20	Tue 7/7/20	40 days		<u>♦ 28</u> /.						
74	Compensation Event - Inclement Weather in May 2020	0 days	0 days	0 days	0%	Thu 11/6/20	Thu 11/6/20	NA	NA	Tue 9/6/20	Tue 9/6/20	-2 days			/6					
75	Project Submission			1055.97 days	0%	Thu 16/5/19	Thu 11/5/23	Thu 16/5/19	NA	Thu 16/5/19	Thu 11/5/23	0 days 0	days							-
76	Submit Third Parties Insurance		71 days	0 days	100%	Tue 18/6/19		Tue 18/6/19			Tue 27/8/19	0 days 0		_						
7	Works Programme		s 160 days	0 days	0%	Thu 16/5/19		Thu 16/5/19			Tue 22/10/19									
78	Submit First Programme		20 days	0 days	100%	Thu 16/5/19		Thu 16/5/19			Tue 4/6/19	0 days 0	days 2							
79	Review and Comment by Project Manager		9 days	0 days	100%	Wed 5/6/19	Thu 13/6/19	Wed 5/6/19			Thu 13/6/19	1	days 78	_						
80	Revise and Resubmission of Works Programme		42 days	0 days	100%	Fri 14/6/19			Thu 25/7/19		Thu 25/7/19	1	days 79							
81	Final Review and Acceptance of the First Programme by Project Manager		20 days	0 days	100%	Sat 27/7/19		Sat 27/7/19			Thu 15/8/19	1	days 80							
31	Submit Health and Safety Management Plan (ACC Cl. D6(2))		6 days	0 days	100%	Thu 30/5/19	Tue 4/6/19	Thu 30/5/19			Tue 4/6/19	0 days 0.								
83	Submit Detailed Programme for Safety Risk (ER Part 7, Cl. 7.3.4)		34 days	0 days	100%	Mon 9/12/19		Mon 9/12/19			Sat 11/1/20	0 days 0.		[
												-								
84	Submit Environmental Management Plan (ACC Cl. D20(2))		6 days	0 days	100%	Thu 30/5/19	Tue 4/6/19	Thu 30/5/19			Tue 4/6/19		5 day 4	[_						
85	Submit BIM Models Deliverables	262 day	s 262 days	0 days	0%	Tue 13/8/19	1 nu <i>30/4/2</i> 0	Tue 13/8/19	1 nu <i>30/4/2</i> 0	1 ue 13/8/19	Thu 30/4/20	0 days								
itle: E	Rev.11 Prog with Progress	Summary			Inactive M	filestone \diamondsuit		Duration-on	ly		Start-only	С		External Milesto	ne 🔷		Critical Split			
	22-May-20	Project Sur			Inactive S				nmary Rollup		Finish-only	3		Deadline	•		Progress	_		
	Milestone ♦	Inactive Ta	ask		Manual Ta	ask		Manual Sur	nmarv		External Task	CS Z		Critical			Manual Progress			

							Con	tract No. ED	/2018/01 KTD Pi	roject													
	Task Name	Duration A		Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish Late	e Start	Late Finish	Total Slack	TRA	Predecessors	2020	2 04 6		2021	4 01 0	2022	2	023	
86	Existing Site Model (Topography)	46 days 4	Duration 46 days	0 days	100%	Tue 13/8/19	Fri 27/9/19	Tue 13/8/19	Fri 27/9/19 Tue	13/8/19	Fri 27/9/19	0 days	1 day		Q2 Q	3 Q4 C	Q1 Q2	Q3 Q4	4 Q1 Q2	2 Q3 Q4	Q1 Q2	Q3 Q4	Q1_
87	Existing Underground Utilities (UU) Model	33 days	33 days	0 days	100%	Mon 26/8/19	Fri 27/9/19	Mon 26/8/19	Fri 27/9/19 Mor	n 26/8/19	Fri 27/9/19	0 days	1 day										
88	3D Digital Survey For Existing Conditions	44 days	44 days	0 days	100%	Mon 2/9/19	Tue 15/10/19	Mon 2/9/19	Tue 15/10/19 Mor	n 2/9/19	Tue 15/10/19	0 days	1 day										
89	3D Photogrametry Model	46 days	46 days	0 days	100%	Mon 16/9/19	Thu 31/10/19	Mon 16/9/19	Thu 31/10/19 Mor	n 16/9/19	Thu 31/10/19	0 days	1 day										
90	AIP Model	16.92 day	16.92 days	0 days	100%	Fri 6/9/19	Sun 22/9/19	Fri 6/9/19	Sun 22/9/19 Fri (6/9/19	Sun 22/9/19	0 days	1 day										
91	Interfacing Contract Model	53 days	53 days	0 days	100%	Mon 9/9/19	Thu 31/10/19	Mon 9/9/19	Thu 31/10/19 Mor	n 9/9/19	Thu 31/10/19	0 days	1 day										
92	Monthly Updated BIM Model	1 day	1 day	0 days	100%	Thu 31/10/19	Thu 31/10/19	Thu 31/10/19	Thu 31/10/19 Thu	ı 31/10/19	Thu 31/10/19	0 days	1 day										
93	4D Model Linked Up with Programme	0 days (0 days	100%	Thu 30/4/20			Thu 30/4/20 Thu			0 days			♦ 30/4								
94	Construction Method Simulation (CMS) in 3D Model	0 days (0 days	100%	Wed 22/4/20			Wed 22/4/20 Wed		Wed 22/4/20	0 days			\$ 22/4								
95	BIM Deliverables Schedule	896 days 3		892.28 days	0%	Thu 16/5/19		1 Thu 16/5/19			Tue 11/1/22	76 days	- uu		- 22/7								
96	Establish BIM Team	0 days (0 days	100%	Sat 3/8/19	Sat 3/8/19	Sat 3/8/19		3/8/19	Sat 3/8/19	0 days	1 day										
97	BIM Execution Plan				100%	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19 Sat 3		Sat 31/8/19												
		0 days (0 days								0 days	_										
98	BIM Submission Schedule	0 days (-	0 days	100%	Fri 16/8/19	Fri 16/8/19	Fri 16/8/19	Fri 16/8/19 Fri		Fri 16/8/19	0 days	-										
99	BIM 360 License	0 days (0 days	100%	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19 Sat 3		Sat 31/8/19	0 days											
100	BIM/Drawing Management Software System	0 days (0 days	100%	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19 Sat 3		Sat 31/8/19	0 days											
101	CDE Setup		1 day	0 days	100%	Sat 31/8/19	Mon 9/9/19	Sat 31/8/19	Mon 9/9/19 Sat		Mon 9/9/19	0 days	-										
102	Clash Report Format	0 days (0 days	0 days	100%	Thu 12/9/19			Thu 12/9/19 Thu		Thu 12/9/19	0 days	1 day										
103	Monthly Report Format	0 days (0 days	0 days	100%	Thu 12/9/19	Thu 12/9/19	Thu 12/9/19	Thu 12/9/19 Thu	1 12/9/19	Thu 12/9/19	0 days	1 day										
104	Quality Assurance Plan for BIM	0 days (0 days	0 days	100%	Mon 30/9/19	Mon 30/9/19	Mon 30/9/19	Mon 30/9/19 Mon	n 30/9/19	Mon 30/9/19	0 days	1 day										
105	BIM Training Plan	0 days (0 days	0 days	100%	Thu 10/10/19	Thu 10/10/19	Thu 10/10/19	Thu 10/10/19 Thu	1 10/10/19	Thu 10/10/19	0 days	1 day										
.06	BIM Training Schedule for CIC Training	0 days (0 days	0 days	100%	Mon 30/9/19	Mon 30/9/19	Mon 30/9/19	Mon 30/9/19 Mor	n 30/9/19	Mon 30/9/19	0 days	1 day										
107	Monthly BIM Progress Report	0 days (0 days	0 days	100%	Thu 16/5/19	Tue 31/12/19	Thu 16/5/19	Tue 31/12/19 Thu	16/5/19	Tue 31/12/19	0 days	1 day		-								
108	Monthly Clash Report	1 day	1 day	0 days	100%	Tue 31/3/20	Tue 31/3/20	Tue 31/3/20	Tue 31/3/20 Tue	2 31/3/20	Tue 31/3/20	0 days	1 day										
109	BIM Object Libraries	1 day	1 day	0 days	100%	Thu 12/9/19	Thu 12/9/19	Thu 12/9/19	Thu 12/9/19 Thu	12/9/19	Thu 12/9/19	0 days	1 day										
110	Trees Preservation and Removal Proposal (TPRP) for tress along promenade open space Submission	e 0 days (0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20	NA	NA Sun	17/1/21	Sun 17/1/21	63 days	1 day			◆ 2/11							
11	Trees Preservation and Removal Proposal (TPRP) for tress along promenade open space Submission Comment & Approval by Relevant Government Authories	e 360 days (0 days	360 days	0%	Mon 2/11/20	Wed 27/10/2	1 NA	NA Sun	ı 17/1/21	Tue 11/1/22	76 days	1 day	110									
12	Trees Preservation and Removal Proposal (TPRP) for tress along Sing Kai Submission	0 days (0 days	0 days	0%	Fri 31/7/20	Fri 31/7/20	NA	NA Wed	d 30/9/20	Wed 30/9/20	52 days	1 day			31./7							
113	Trees Preservation and Removal Proposal (TPRP) for tress along Sing Kai Road Submission Comment & Approval by Relevant Government Authories	360 days (0 days	360 days	0%	Fri 31/7/20	Sun 25/7/21	NA	NA Wed	d 30/9/20	Fri 24/9/21	61 days	1 day	112									
14	Temporary Traffic Management	478 days 4	447.84 days	30.16 days	0%	Thu 30/5/19	Fri 18/9/20	Thu 30/5/19	NA Thu	ı 30/5/19	Fri 25/9/20	7 days				$H \mid \mid \mid \mid \mid \mid \mid$							
115	Submit Traffic Engineering Consultant and TTM Team Leader (PS1.16(3))	14 days	14 days	0 days	100%	Thu 30/5/19	Wed 12/6/19	Thu 30/5/19	Wed 12/6/19 Thu	1 30/5/19	Wed 12/6/19	0 days	1 day	4									
16	Submit EP Mgt System Co-ordinator (PS Cl. 1.18N(2))	7 days	7 days	0 days	100%	Thu 30/5/19	Wed 5/6/19	Thu 30/5/19	Wed 5/6/19 Thu	ı 30/5/19	Wed 5/6/19	0 days	1 day	4									
117	Approve of EP Co-ordinator by Project Manager (PS Cl. 1.18N(2))	14 days	-	0 days	100%	Thu 6/6/19		Thu 6/6/19	Wed 19/6/19 Thu		Wed 19/6/19		_	116									
118	Submit UU detection equipment for Supervisor approval (PS Cl. 1.25A(1))	7 days	-	0 days	100%	Thu 30/5/19			Wed 5/6/19 Thu		Wed 5/6/19	0 days		4									
19	Submit & obtain approval: site office's location and layout plan (PS Cl. 1.45(11)) (7d	47 days		0 days	100%	Thu 30/5/19	Fri 18/10/19		Fri 18/10/19 Thu		Fri 18/10/19		1 day	4									
120	submission + 14d approval) Submit Site survey record (PS Cl.1.47(7))	34 days 3		0 days	100%	Thu 30/5/19	Tue 2/7/19		Tue 2/7/19 Thu		Tue 2/7/19		1 day	1									
.20	Submit & obtain approval: fencing & hoarding plan (PS Cl. 1.48(10)	40 days (40 days	0%	Mon 10/8/20	Fri 18/9/20	NA			Fri 25/9/20		0.5 days	4									
121	Submit site facilities (PS Cl. 1.50S)	65 days 6			100%	Thu 30/5/19	Fri 2/8/19	Thu 30/5/19			Fri 2/8/19		0.5 days										
	, , ,			0 days										4									
123	Submit security system (PS Cl. 1.53A(5))	36 days 3		0 days	100%	Thu 30/5/19	Thu 4/7/19		Thu 4/7/19 Thu		Thu 4/7/19		0.5 days	4									
24	Submit Interface Management Plan (PS Cl. 1.89(2))	47 days		0 days	100%	Thu 30/5/19			Mon 15/7/19 Thu		Mon 15/7/19		0.5 days										
25	Submit Subcontractor Management Plan (ACC Cl. C5(1))	13 days		0 days	100%	Thu 30/5/19			Tue 11/6/19 Thu		Tue 11/6/19		0.5 days	4									
26	Submit Temporary Drainage and Sewerage Management Plan (PS Cl. 1.24A(1))	174 days 1	174 days	0 days	100%	Thu 30/5/19			Tue 19/11/19 Thu		Tue 19/11/19	0 days	1 day	4									
.27	Submit EM&A Manual (ER Part 8, Cl. 8.2)	6 days 6	6 days	0 days	100%	Thu 30/5/19	Tue 4/6/19	Thu 30/5/19	Tue 4/6/19 Thu	1 30/5/19	Tue 4/6/19	0 days	0 days	4									
128	Submit Proposal of selection of suppliers of Plant and Materials (ACC Cl. C11(1)	80 days 8	80 days	0 days	100%	Thu 30/5/19	Sat 17/8/19	Thu 30/5/19	Sat 17/8/19 Thu	1 30/5/19	Sat 17/8/19	0 days	0 days	4									
129	Submit Contractor's Management Team (ACC Cl. D1(3))	50 days	50 days	0 days	100%	Thu 30/5/19	Thu 18/7/19	Thu 30/5/19	Thu 18/7/19 Thu	1 30/5/19	Thu 18/7/19	0 days	0 days	4									
tle· P	ev.11 Prog with Progress	Summary			Inactive Mi	lestone	-	Duration-o	nly		Start-only	1	E	Ex	temal Mileston	ie 🔷		Critic	al Split				
	22-May-20	Project Summ			Inactive Su				mmary Rollup		Finish-only		3		eadline			Progra					
	Milestone ◆	Inactive Task	l		Manual Tas	SK		Manual Su	mmary		External Tasl	ΣS		Cr	itical			Manu	al Progress				



						Conf	tract No. ED/	/2018/01 KT	D Project												
	Task Name	Duration Actual	Remaining	Physical %	Early Start		Actual Start			Late Finish		TRA	Predecessors	2020			2021	202	2	2023	2 21
75	Submit & endorse by PM and Statutory Authorities/Gov. Dept	Duration 50 days	Duration 50 days	Complete 0%	Sun 27/9/20	Sun 15/11/20	NA	NA	Thu 15/10/20	Thu 3/12/20	Slack 18 days	3 days	174	Q2 Q	3 Q4	Q1 Q2	Q3 Q4	Q1 Q2	Q3 Q4 Q	1 Q2 Q1 	3 Q4 C
76	Noise barrier fronting to 4B5 at Rd D3A & Bus Lay By (Section 5&9)	338 days 215.23 days	-	0%	Mon 4/11/19	Tue 6/10/20	Mon 4/11/19		Mon 4/11/19	Wed 7/10/20	1 day										
77	Prepare AIP Submission (Draft)	38 days 38 days	0 days	100%	Mon 4/11/19	Wed 11/12/19	Mon 4/11/19	Wed 11/12/	. Mon 4/11/19	Wed 11/12/19	0 days	2 days									
78	Submit & endorse by PM and Statutory Authorities/Gov. Dept	167 days 162 days	5 days	97%	Thu 12/12/19	Tue 26/5/20	Thu 12/12/19	NA	Thu 12/12/19	Wed 27/5/20	1 day		177								
79	Prepare AIP and ICE certification (Final)	56 days 31 days	25 days	55%	Wed 22/4/20	Tue 16/6/20	Wed 22/4/20		Wed 22/4/20	Wed 17/6/20	1 day		178FF+21 days								
80	Prepare DDA Subm (Draft)	18 days 18 days	0 days	100%	Wed 1/4/20	Sat 18/4/20	Wed 1/4/20		Wed 1/4/20	Sat 18/4/20		0.5 days									
81	Submit & endorse by PM	55 days 35 days	20 days	64%	Sat 18/4/20	Thu 11/6/20		NA	Sat 18/4/20	Thu 6/8/20	56 days	ois days	180								
32	Submit & endorse by Statutory Authorities/Gov. Dept	50 days 0 days	50 days	0%	Wed 17/6/20	Wed 5/8/20			Thu 18/6/20	Thu 6/8/20	1 day		180,179								
3	Prepare DDA for and ICE certification (Final) (Original Contract Scope)	12 days 0 days	12 days	0%	Thu 6/8/20	Mon 17/8/20			Fri 7/8/20	Tue 18/8/20		1 days	181,182								
34	Submit & endorse by PM and Statutory Authorities/Gov. Dept		50 days	0%	Tue 18/8/20	Tue 6/10/20		NA	Wed 19/8/20	Wed 7/10/20			183								
35		50 days 0 days										1 days	103	_							
	Decking for Underpass (Rd L14)	304 days 0 days	304 days	0%	Mon 20/7/20	Wed 19/5/21			Fri 31/7/20	Sun 30/5/21	11 days	2.1	44EE, 10.1								
6	Structure Prepare AIP and ICE certification (Draft)	25 days 0 days	25 days	0%	Mon 20/7/20	Thu 13/8/20			Fri 31/7/20	Mon 24/8/20	11 days		44FF+12 days								
37	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days 0 days	50 days	0%	Fri 14/8/20		NA		Tue 25/8/20	Tue 13/10/20		0.5 days									
8	Prepare AIP and ICE certification (Final)	15 days 0 days	15 days	0%	Sat 3/10/20	Sat 17/10/20		NA	Wed 14/10/20	Wed 28/10/20			186,187								
9	Prepare DDA and ICE certification (Draft)	89 days 0 days	89 days	0%	Sun 18/10/20	Thu 14/1/21			Thu 29/10/20	Mon 25/1/21	11 days		186,188								
0	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days 0 days	50 days	0%	Fri 15/1/21	Fri 5/3/21	NA	NA	Tue 26/1/21	Tue 16/3/21	11 days	0.5 days	189								
1	Prepare DDA and ICE certification (Final)	25 days 0 days	25 days	0%	Sat 6/3/21	Tue 30/3/21	NA	NA	Wed 17/3/21	Sat 10/4/21	11 days	2 days	190								
2	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days 0 days	50 days	0%	Wed 31/3/21	Wed 19/5/21	NA	NA	Sun 11/4/21	Sun 30/5/21	11 days	1 day	191								
3	Road D3 Bridge & Approach Ramps	439 days 358.08 days	80.92 days	0%	Thu 30/5/19	Mon 10/8/20	Thu 30/5/19	NA	Thu 30/5/19	Thu 8/10/20	59 days		4								
4	D3 Bridge Substructure	439 days 358.08 days	80.92 days	0%	Thu 30/5/19	Mon 10/8/20	Thu 30/5/19	NA	Thu 30/5/19	Thu 8/10/20	59 days										
5	Prepare AIP and ICE certification (Draft)	66 days 66 days	0 days	100%	Thu 30/5/19	Sat 3/8/19	Thu 30/5/19	Sat 3/8/19	Thu 30/5/19	Sat 3/8/19	0 days	3 days	4								
6	Submit & endorse by PM and Statutory Authorities/Gov. Dept	15 days 15 days	0 days	100%	Mon 5/8/19	Mon 19/8/19	Mon 5/8/19	Mon 19/8/19	Mon 5/8/19	Mon 19/8/19	0 days	1 days	195,138								
7	Prepare AIP and ICE certification (Final)	30 days 30 days	0 days	100%	Mon 23/12/19	Tue 21/1/20	Mon 23/12/19	Tue 21/1/20	Mon 23/12/19	Tue 21/1/20	0 days	0 days	195,196								
8	Prepare DDA and ICE certification (Draft)	106 days 106 days	0 days	100%	Fri 19/7/19	Sun 17/11/19	Fri 19/7/19	Sun 17/11/19	Fri 19/7/19	Sun 17/11/19	0 days	5 days	195								
9	Submit & endorse by PM	17 days 17 days	0 days	100%	Wed 20/11/19	Fri 6/12/19	Wed 20/11/19	Fri 6/12/19	Wed 20/11/19	Fri 6/12/19	0 days	3 days	198								
0	Submit & endorse by Statutory Authorities/Gov. Dept	45 days 45 days	0 days	100%	Fri 24/1/20	Wed 18/3/20	Fri 24/1/20	Wed 18/3/20	Fri 24/1/20	Wed 18/3/20	0 days	1 days	198								
1	Prepare DDA for and ICE certification (Include P02-BP2 Remedial Pile)	105 days 75 days	30 days	71%	Mon 9/3/20	Sun 21/6/20	Mon 9/3/20	NA	Mon 9/3/20	Wed 19/8/20	59 days	1 days	200								
2	(Contractor Bear DDA Approval Risk) Submit & endorse by PM and Statutory Authorities/Gov. Dept (Contractor Bear	50 days 0 days	50 days	0%	Mon 22/6/20	Mon 10/8/20	NA	NA	Thu 20/8/20	Thu 8/10/20	59 days	1 days	201								
)3	DDA Approval Risk) D3 Bridge Superstructure	728 days 370.67 days	357.33 days	0%	Thu 30/5/19	Wed 26/5/21	Thu 30/5/19	NA	Thu 30/5/19	Wed 21/7/21	56 days										
14	Prepare AIP and ICE certification (Draft)	101 days 101 days	0 days	100%	Thu 30/5/19	Sat 7/9/19	Thu 30/5/19	Sat 7/9/19	Thu 30/5/19	Sat 7/9/19	0 days	1 day									
)5	Submit & endorse by PM and Statutory Authorities/Gov. Dept	19 days 19 days	0 days	100%	Mon 9/9/19	Fri 27/9/19	Mon 9/9/19	Fri 27/9/19	Mon 9/9/19	Fri 27/9/19	0 days	1 day	204								
)6	Prepare AIP and ICE certification (Final)	135 days 135 days	0 days	100%	Wed 20/11/19	Thu 2/4/20	Wed 20/11/19	Thu 2/4/20	Wed 20/11/19	Thu 2/4/20		3 days	205								
)7	Prepare DDA and ICE certification (Draft)	222 days 222 days	0 days	100%	Fri 19/7/19	Tue 25/2/20		Tue 25/2/20		Tue 25/2/20		_	205								
)8	Submit & endorse by PM	23 days 23 days	0 days	100%	Wed 26/2/20		Wed 26/2/20			Thu 19/3/20			207								
)9	Submit & endorse by Statutory Authorities/Gov. Dept	50 days 0 days	50 days	0%	Mon 29/6/20	Mon 17/8/20			Thu 16/7/20	Thu 3/9/20	17 days		207,206FF+12	d							
.0	Prepare DDA for and ICE certification (Final)	21 days 0 days	-	0%	Tue 18/8/20	Mon 7/9/20			Fri 4/9/20	Thu 24/9/20	17 days		208,206,209								
			21 days																		
1	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days 0 days	50 days	0%	Tue 8/9/20	Tue 27/10/20			Fri 25/9/20	Fri 13/11/20	17 days		210								
2	Prepare AIP (E&M works) and ICE certification (Draft)	32 days 0 days	32 days	0%	Thu 2/7/20		NA		Thu 27/8/20	Sun 27/9/20	56 days		212								
.3	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days 0 days	62 days	0%	Mon 3/8/20	Sat 3/10/20			Mon 28/9/20	Sat 28/11/20	56 days		212								
4	Prepare AIP (E&M works) and ICE certification (Final)	32 days 0 days	32 days	0%	Sun 4/10/20	Wed 4/11/20			Sun 29/11/20	Wed 30/12/20			213								
5	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days 0 days	62 days	0%	Thu 5/11/20	Tue 5/1/21			Thu 31/12/20	Tue 2/3/21	56 days		214								
16	Prepare DDA (E&M works) and ICE certification (Draft)	32 days 0 days	32 days	0%	Sat 5/12/20	Tue 5/1/21	NA	NA	Sat 30/1/21	Tue 2/3/21	56 days		215FF								
17	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days 0 days	62 days	0%	Wed 6/1/21	Mon 8/3/21	NA	NA	Wed 3/3/21	Mon 3/5/21	56 days	2 days	216								
18	Prepare DDA (E&M works) and ICE certification (Final)	17 days 0 days	17 days	0%	Tue 9/3/21	Thu 25/3/21	NA	NA	Tue 4/5/21	Thu 20/5/21	56 days	2 days	217								
19	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days 0 days	62 days	0%	Fri 26/3/21	Wed 26/5/21	NA	NA	Fri 21/5/21	Wed 21/7/21	56 days	2 days	218	1							
—— ام کا	Lev.11 Prog with Progress	Summary		Inactive M	ilestone \diamondsuit	1	Duration-or	nly		Start-only	1	Е	Ext	ternal Mileston	e 🔷		Critical S	plit			
	22-May-20 Split	Project Summary		Inactive Su				nmary Rollup		Finish-only		3		adline	•		Progress			_	
	Milestone ◆	Inactive Task		Manual Ta	sk		Manual Sur	nmary		External Task	S		Cri	tical			Manual F	rogress		_	

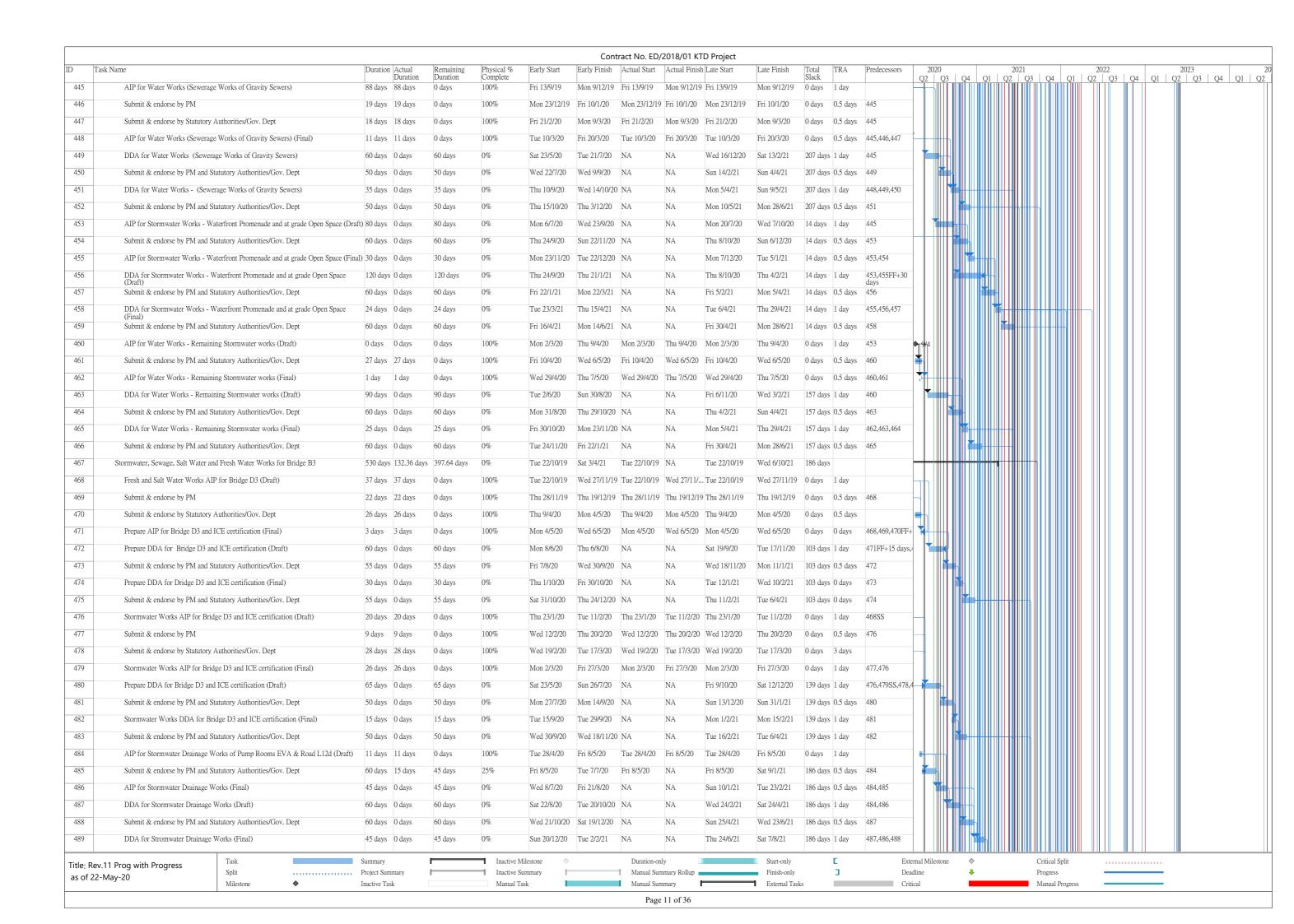
							Con	tract No. ED,	/2018/01 KT	D Project														
Tas	k Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total TRA Slack	Predecessors	2020	03 04	01	2021 O2 O	3 04	01	202	03 0	4 01	2023 Q2 Q3	04
)	D3 North Approach Ramp (Structure)	398 days	348.95 days		0%	Mon 3/6/19	Sat 4/7/20	Mon 3/6/19	NA	Mon 3/6/19	Thu 8/10/20	96 days										7 Q1	Q2 Q3	<u> </u>
	Prepare AIP and ICE certification (Draft))	51 days	51 days	0 days	100%	Mon 3/6/19	Tue 23/7/19	Mon 3/6/19	Tue 23/7/19	Mon 3/6/19	Tue 23/7/19	0 days 3 days	4											
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	100 days	100 days	0 days	100%	Thu 25/7/19	Fri 1/11/19	Thu 25/7/19	Fri 1/11/19	Thu 25/7/19	Fri 1/11/19	0 days 1 days	221											
	Prepare AIP and ICE certification (Final)	14 days	14 days	0 days	100%	Tue 6/8/19	Thu 19/12/19	Tue 6/8/19	Thu 19/12/19	Tue 6/8/19	Thu 19/12/19	0 days 0 days	221,222											
1	Prepare DDA (Draft) with ICE certification	66 days	66 days	0 days	100%	Fri 19/7/19	Thu 20/2/20	Fri 19/7/19	Thu 20/2/20	Fri 19/7/19	Thu 20/2/20	0 days 5 days	221,223FF											
5	Submit & endorse by PM/Statutory Authorities/Gov. Dept	31 days	31 days	0 days	100%	Mon 20/1/20	Mon 23/3/20	Mon 20/1/20	Mon 23/3/20	Mon 20/1/20	Mon 23/3/20	0 days 3 days	224											
6	Prepare DDA for and ICE certification (Final)	45 days	45 days	0 days	100%	Wed 1/4/20	Fri 15/5/20	Wed 1/4/20	Fri 15/5/20	Wed 1/4/20	Fri 15/5/20	0 days	225											
7	Submit & endorse by PM/Statutory Authorities/Gov. Dept	50 days	6 days	44 days	12%	Sat 16/5/20	Sat 4/7/20	Sat 16/5/20	NA	Sat 16/5/20	Thu 8/10/20	96 days 0.5 days	226											
8	D3 North Approach Ramp (E&M Works)	329 days	0 days	329 days	0%	Thu 2/7/20	Wed 26/5/21	NA	NA	Fri 27/11/20	Thu 21/10/21	148 days												
)	Prepare AIP (E&M works) and ICE certification (Draft)	32 days	0 days	32 days	0%	Thu 2/7/20	Sun 2/8/20	NA	NA	Fri 27/11/20	Mon 28/12/20	148 days 2 days												
0	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Mon 3/8/20	Sat 3/10/20	NA	NA	Tue 29/12/20	Sun 28/2/21	148 days 2 days	229											
	Prepare AIP (E&M works) and ICE certification (Final)	32 days	0 days	32 days	0%	Sun 4/10/20	Wed 4/11/20	NA	NA	Mon 1/3/21	Thu 1/4/21	148 days 2 days	230											
2	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days		62 days	0%	Thu 5/11/20	Tue 5/1/21	NA	NA	Fri 2/4/21	Wed 2/6/21	148 days 2 days	231											
3	Prepare DDA (E&M works) and ICE certification (Draft)	32 days		32 days	0%	Sat 5/12/20	Tue 5/1/21	NA	NA	Sun 2/5/21	Wed 2/6/21	148 days 2 days	232FF											
1	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days		62 days	0%	Wed 6/1/21	Mon 8/3/21		NA	Thu 3/6/21	Tue 3/8/21	148 days 2 days	233											
5	Prepare DDA (E&M works) and ICE certification (Final)	17 days		17 days	0%	Tue 9/3/21	Thu 25/3/21		NA	Wed 4/8/21	Fri 20/8/21	148 days 2 days	234	_		l III ,								
5	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days		62 days	0%	Fri 26/3/21	Wed 26/5/21		NA NA	Sat 21/8/21	Thu 21/10/21	148 days 2 days		_										
													233											
7	D3 South Approach Ramp			184.36 days	0%	Thu 30/5/19		Thu 30/5/19		Thu 30/5/19	Tue 16/2/21	122 days												
8	Prepare AIP and ICE certification (Draft)		96 days	0 days	100%	Thu 30/5/19	Mon 2/9/19	Thu 30/5/19			Mon 2/9/19	0 days 3 days												
)	Submit & endorse by PM and Statutory Authorities/Gov. Dept	35 days		0 days	100%	Wed 25/9/19		Wed 25/9/19			Tue 29/10/19	0 days 1 day	238											
)	Prepare AIP Submission (Final)	76 days	76 days	0 days	100%	Fri 7/2/20	Mon 4/5/20	Fri 7/2/20	Mon 4/5/20		Mon 4/5/20	0 days 1 day	238,239											
1	Prepare DDA and ICE certification (Draft)	50 days	50 days	0 days	100%	Wed 1/4/20		Wed 1/4/20	Wed 20/5/20		Wed 20/5/20	0 days 5 days	240FF+15 day	/S										
2	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	2 days	58 days	3%	Thu 21/5/20	Sun 19/7/20	Thu 21/5/20	NA	Thu 21/5/20	Wed 18/11/20	122 days 1 day	238,241											
.3	Prepare DDA for and ICE certification (Final)	30 days	0 days	30 days	0%	Mon 20/7/20	Tue 18/8/20	NA	NA	Thu 19/11/20	Fri 18/12/20	122 days 1 day	242,240FF+12	2 d										
4	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Wed 19/8/20	Sat 17/10/20	NA	NA	Sat 19/12/20	Tue 16/2/21	122 days 1 day	243											
5	D3 South Approach Ramp (E&M Works)	392 days	0 days	392 days	0%	Sat 23/5/20	Fri 18/6/21	NA	NA	Wed 18/11/20	Tue 14/12/21	179 days												
6	Prepare AIP (E&M works) and ICE certification (Draft)	31 days	0 days	31 days	0%	Sat 23/5/20	Mon 22/6/20	NA	NA	Wed 18/11/20	Fri 18/12/20	179 days 1 day												
7	Submit & endorse by PM and Statutory Authorities/Gov. Dept	76 days	0 days	76 days	0%	Tue 23/6/20	Sun 6/9/20	NA	NA	Sat 19/12/20	Thu 4/3/21	179 days 1 day	246											
8	Prepare AIP (E&M works) and ICE certification (Final)	31 days	0 days	31 days	0%	Mon 7/9/20	Wed 7/10/20	NA	NA	Fri 5/3/21	Sun 4/4/21	179 days 1 day	247											
.9	Submit & endorse by PM and Statutory Authorities/Gov. Dept	76 days	0 days	76 days	0%	Thu 8/10/20	Tue 22/12/20	NA	NA	Mon 5/4/21	Sat 19/6/21	179 days 1 day	248											
0	Prepare DDA (E&M works) and ICE certification (Draft)	31 days	0 days	31 days	0%	Sun 22/11/20	Tue 22/12/20	NA	NA	Thu 20/5/21	Sat 19/6/21	179 days 1 day	249FF			 								
1	Submit & endorse by PM and Statutory Authorities/Gov. Dept	76 days	0 days	76 days	0%	Wed 23/12/20	Mon 8/3/21	NA	NA	Sun 20/6/21	Fri 3/9/21	179 days 1 day	250											
2	Prepare DDA (E&M works) and ICE certification (Final)	26 days	0 days	26 days	0%	Tue 9/3/21	Sat 3/4/21	NA	NA	Sat 4/9/21	Wed 29/9/21	179 days 1 day	251											
3	Submit & endorse by PM and Statutory Authorities/Gov. Dept	76 days	0 days	76 days	0%	Sun 4/4/21	Fri 18/6/21	NA	NA	Thu 30/9/21	Tue 14/12/21	179 days 1 day	252						\blacksquare					
4	Road D3 Underpass and Depressed Road	823 days	236.99 days	586.01 days	0%	Thu 30/5/19	Sun 29/8/21	Thu 30/5/19	NA	Thu 30/5/19	Wed 11/1/23	500 days						1						
5	Underpass (Structure)	486 days	320.41 days	165.59 days	0%	Thu 30/5/19	Sat 26/9/20	Thu 30/5/19	NA	Thu 30/5/19	Wed 2/12/20	67 days												
6	Prepare AIP and ICE certification (Draft)	96 days	96 days	0 days	100%	Thu 30/5/19	Mon 2/9/19	Thu 30/5/19	Mon 2/9/19	Thu 30/5/19	Mon 2/9/19	0 days 3 days	4	$\parallel \parallel \parallel$										
7	Submit & endorse by PM and Statutory Authorities/Gov. Dept		17 days	0 days	100%	Tue 3/9/19	Thu 19/9/19	Tue 3/9/19	Thu 19/9/19	Tue 3/9/19	Thu 19/9/19	0 days 1 days	256	$-\parallel\parallel\parallel$										
3	Prepare AIP and ICE certification (Final)		84 days	0 days	100%	Tue 14/1/20	Mon 6/4/20	Tue 14/1/20	Mon 6/4/20	Tue 14/1/20	Mon 6/4/20	0 days 2 days	256,257	_ _										
)	Prepare DDA (Draft) Preparation		156 days	0 days	100%	Tue 3/9/19	Wed 5/2/20	Tue 3/9/19	Wed 5/2/20		Wed 5/2/20	0 days 3 days	256	$\parallel \parallel \parallel$										
)	DDA (Draft) Submit & endorse by PM & Statutory Authorities/Gov. Dept	169 days		135 days	20%	Thu 6/2/20	Thu 23/7/20	Thu 6/2/20	NA	Thu 6/2/20	Mon 28/9/20	67 days 0.5 days												
1	Prepare DDA for and ICE certification (Final)	15 days		15 days	0%	Fri 24/7/20		NA	NA	Tue 29/9/20			260,258FF+21	d										
2	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days		50 days	0%	Sat 8/8/20	Sat 26/9/20		NA	Wed 14/10/20	Wed 2/12/20	67 days 1 day	261											
53	Underpass (E&M Works)	392 days		392 days	0%	Mon 3/8/20	Sat 20/9/20 Sun 29/8/21		NA NA		Wed 2/12/20 Wed 11/1/23	99 days	201	_										
										Tue 10/11/20								•						
164	Prepare AIP (E&M works) and ICE certification (Draft)	32 days	o days	32 days	0%	Mon 5/10/20	Thu 5/11/20	INA	NA	Tue 10/11/20	Fri 11/12/20	36 days 2 days												
e: Rev.	11 Prog with Progress Task	Summary Project Sum	amort.		Inactive M			Duration-or	•		Start-only	C 3		xtemal Milest	one <	>		Critical S						
of 22-I	May-20 Split Milestone ◆	Project Sun Inactive Ta		U	Inactive Su Manual Ta			Manual Sui	mmary Rollup		Finish-only External Tasi			eadline ritical		-		Progress	Progress	_				

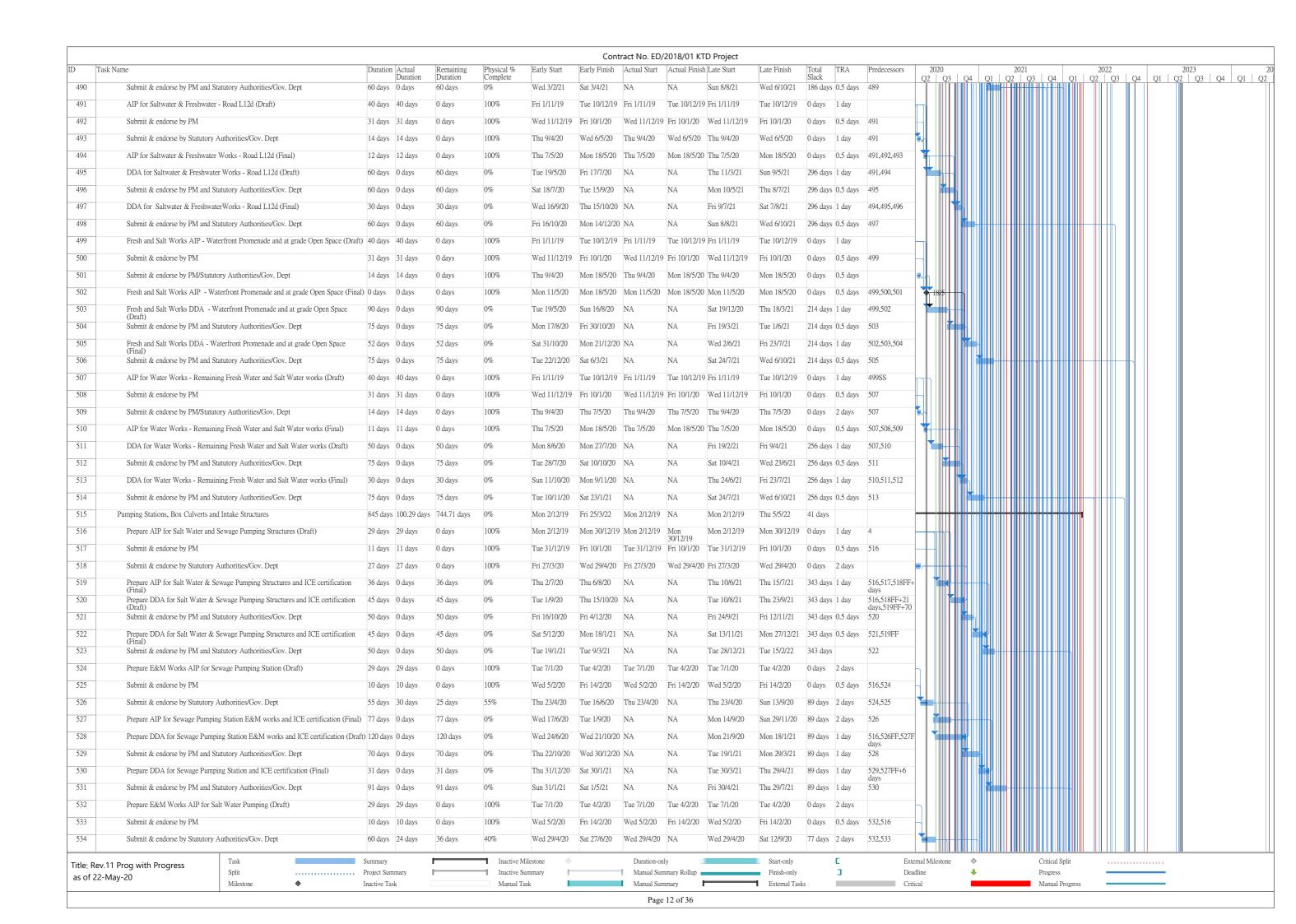
						COII	liact No. ED/	2010/01 K	TD Project													
	ask Name	Duration Actual	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	sh Late Start	Late Finish	Total Slack	TRA	Predecessors	2020	2 04	01 0	2021	04 01	2022	04 01	2023	04
65	Submit & endorse by PM and Statutory Authorities/Gov. Dept	Duration 62 days 0 days	62 days	Complete 0%	Fri 6/11/20	Wed 6/1/21	NA	NA	Sat 12/12/20	Thu 11/2/21	36 days	2 days	264	Q2 Q3	5 Q4	Q1 Q	2 Q3	_Q4 Q1	Q2 Q3	Q4 Q1	Q2 Q3	Q4 (
266	Prepare AIP (E&M works) and ICE certification (Final)	32 days 0 days	32 days	0%	Thu 7/1/21	Sun 7/2/21	NA	NA	Fri 12/2/21	Mon 15/3/21	36 days	2 days	265									
67	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days 0 days	62 days	0%	Mon 8/2/21	Sat 10/4/21	NA	NA	Tue 16/3/21	Sun 16/5/21	36 days		266									
68	Prepare DDA (E&M works) and ICE certification (Draft)	32 days 0 days	32 days	0%	Wed 10/3/21	Sat 10/4/21		NA	Thu 15/4/21	Sun 16/5/21	36 days		267FF									
269	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days 0 days	62 days	0%	Sun 11/4/21		NA	NA	Mon 17/5/21	Sat 17/7/21	36 days		268									
70	Prepare DDA (E&M works) and ICE certification (Final)	17 days 0 days	17 days	0%	Sat 12/6/21	Mon 28/6/21	NA	NA	Sun 18/7/21	Tue 3/8/21	36 days	2 days	269									
271	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days 0 days	62 days	0%	Tue 29/6/21	Sun 29/8/21	NA	NA	Wed 4/8/21	Mon 4/10/21	36 days	2 days	270									
272	Prepare AIP (E&M works) and Architectural Finishes of of Underpass (Road L14) and ICE certification (Draft)	31 days 0 days	31 days	0%	Mon 3/8/20	Wed 2/9/20	NA	NA	Thu 31/3/22	Sat 30/4/22	605 days	1 day			Ь							
273	Submit & endorse by PM and Statutory Authorities/Gov. Dept	51 days 0 days	51 days	0%	Thu 3/9/20	Fri 23/10/20	NA	NA	Sun 1/5/22	Mon 20/6/22	605 days	1 day	272									
274	Prepare AIP (E&M works)and Architectural Finishes of of Underpass (Road L14) and ICE certification (Final)	14 days 0 days	14 days	0%	Sat 24/10/20	Fri 6/11/20	NA	NA	Tue 21/6/22	Mon 4/7/22	605 days	2 days	273									
75	Submit & endorse by PM and Statutory Authorities/Gov. Dept	74 days 0 days	74 days	0%	Sat 7/11/20	Tue 19/1/21	NA	NA	Tue 5/7/22	Fri 16/9/22	605 days	1 day	274			-						
76	Prepare DDA (E&M works) and Architectural Finishes of of Underpass (Road	31 days 0 days	31 days	0%	Sun 20/12/20	Tue 19/1/21	NA	NA	Wed 17/8/22	Fri 16/9/22	605 days	1 day	275FF									
77	L14) and ICE certification (Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept	51 days 0 days	51 days	0%	Wed 20/1/21	Thu 11/3/21	NA	NA	Sat 17/9/22	Sun 6/11/22	605 days	1 day	276			-						
78	Prepare DDA (E&M works) and Architectural Finishes of of Underpass (Road	15 days 0 days	15 days	0%	Fri 12/3/21	Fri 26/3/21	NA	NA	Mon 7/11/22	Mon 21/11/22			277									
79	L14) and ICE certification (Final) Submit & endorse by PM and Statutory Authorities/Gov. Dept	51 days 0 days	51 days	0%	Sat 27/3/21	Sun 16/5/21		NA	Tue 22/11/22	Wed 11/1/23			278			l I I I I I						
	· · · · · · · · · · · · · · · · · · ·										-	-	276									
80	E&M Work for Pump House of Underpass D3	364 days 83.71 days		0%	Mon 24/2/20	Sun 21/2/21	Mon 24/2/20		Mon 24/2/20	Wed 18/8/21	178 days					7						
81	Prepare AIP (E&M works) Submission (Draft)	11 days 11 days	0 days	0%	Mon 24/2/20	Thu 5/3/20	Mon 24/2/20	Thu 5/3/20	Mon 24/2/20	Thu 5/3/20	0 days	2 days										
82	Submit & endorse by PM and Statutory Authorities/Gov. Dept	160 days 78 days	82 days	49%	Fri 6/3/20	Wed 12/8/20	Fri 6/3/20	NA	Fri 6/3/20	Sat 15/8/20	3 days	2 days	281									
283	Prepare AIP (E&M works) and ICE certification (Final)	21 days 0 days	21 days	0%	Thu 13/8/20	Wed 2/9/20	NA	NA	Sun 16/8/20	Sat 5/9/20	3 days	2 days	282,44FF+12 da									
84	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days 0 days	50 days	0%	Thu 3/9/20	Thu 22/10/20	NA	NA	Sun 6/9/20	Sun 25/10/20	3 days	2 days	283									
85	Prepare DDA (E&M works) and ICE certification (Draft)	30 days 0 days	30 days	0%	Wed 30/9/20	Thu 29/10/20	NA	NA	Sat 3/10/20	Sun 1/11/20	3 days	2 days	284FF+7 days									
86	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days 0 days	50 days	0%	Fri 30/10/20	Fri 18/12/20	NA	NA	Mon 2/11/20	Mon 21/12/20	3 days	2 days	285			Ы						
87	Prepare DDA (E&M works) and ICE certification (Final)	15 days 0 days	15 days	0%	Sat 19/12/20	Sat 2/1/21	NA	NA	Tue 22/12/20	Tue 5/1/21	3 days	2 days	286									
288	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days 0 days	50 days	0%	Sun 3/1/21	Sun 21/2/21	NA	NA	Wed 30/6/21	Wed 18/8/21	178 days	2 days	287									
289	Depressed Road (North) Structure	463 days 335.18 days		0%	Thu 16/5/19	Thu 20/8/20	Thu 16/5/19		Thu 16/5/19	Thu 11/5/23	994 days											
90	Prepare AIP and ICE certification (Draft)	65 days 65 days	0 days	100%	Thu 16/5/19	Fri 2/8/19	Thu 16/5/19		Thu 16/5/19	Fri 2/8/19		1 days	4									
											1		200									
91	Submit & endorse by PM and Statutory Authorities/Gov. Dept	33 days 33 days	0 days	100%	Sat 3/8/19	Wed 4/9/19	Sat 3/8/19		Sat 3/8/19	Wed 4/9/19		2 days	290									
92	Prepare AIP and ICE certification (Final)	44 days 44 days	0 days	100%	Mon 9/12/19				Mon 9/12/19	Tue 21/1/20	1	0 days	291									
193	Prepare DDA and ICE certification (Draft)	57 days 57 days	0 days	100%	Tue 24/9/19	Tue 19/11/19	Tue 24/9/19	Tue 19/11/1	9 Tue 24/9/19	Tue 19/11/19	0 days	5 days	290									
94	Submit & endorse by PM	17 days 17 days	0 days	100%	Tue 19/11/19	Thu 5/12/19	Tue 19/11/19	Thu 5/12/19	Tue 19/11/19	Thu 5/12/19	0 days	1 day	293									
95	Submit & endorse by Statutory Authorities/Gov. Dept	20 days 20 days	0 days	100%	Wed 19/2/20	Mon 9/3/20	Wed 19/2/20	Mon 9/3/20	Wed 19/2/20	Mon 9/3/20	0 days	1 day	293	_								
296	Prepare DDA for and ICE certification (Final)	30 days 0 days	30 days	0%	Sat 23/5/20	Sun 21/6/20	NA	NA	Sat 11/2/23	Sun 12/3/23	994 days	3 days	294,292FF,295									
297	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days 0 days	60 days	0%	Mon 22/6/20	Thu 20/8/20	NA	NA	Mon 13/3/23	Thu 11/5/23	994 days	5 days	296									
298	Depressed Road (North) E&M Works	322 days 0 days	322 days	0%	Mon 21/9/20	Sun 8/8/21	NA	NA	Tue 17/11/20	Mon 4/10/21	57 days				,							
299	Prepare AIP (E&M works) and ICE certification (Draft)	31 days 0 days	31 days	0%	Mon 21/9/20	Wed 21/10/20) NA	NA	Tue 17/11/20	Thu 17/12/20	57 days	1 dav										
800	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days 0 days	61 days	0%		Mon 21/12/20		NA	Fri 18/12/20	Tue 16/2/21	57 days		299									
801	Prepare AIP (E&M works) and ICE certification (Final)			0%	Tue 22/12/20			NA	Wed 17/2/21	Fri 19/3/21	57 days		300									
		31 days 0 days	31 days																			
02	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days 0 days	61 days	0%	Fri 22/1/21	Tue 23/3/21		NA	Sat 20/3/21	Wed 19/5/21	57 days		301									
03	Prepare DDA (E&M works) and ICE certification (Draft)	31 days 0 days	31 days	0%	Sun 21/2/21	Tue 23/3/21		NA	Mon 19/4/21	Wed 19/5/21			302FF									
04	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days 0 days	61 days	0%	Wed 24/3/21	Sun 23/5/21	NA	NA	Thu 20/5/21	Mon 19/7/21	57 days	1 day	303				Н					
05	Prepare DDA (E&M works) and ICE certification (Final)	16 days 0 days	16 days	0%	Mon 24/5/21	Tue 8/6/21	NA	NA	Tue 20/7/21	Wed 4/8/21	57 days	1 day	304									
06	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days 0 days	61 days	0%	Wed 9/6/21	Sun 8/8/21	NA	NA	Thu 5/8/21	Mon 4/10/21	57 days	1 day	305									
07	Depressed Road (South) and Substructure of Elevated Landscape Deck	463 days 333.16 days	s 129.84 days	0%	Mon 10/6/19	Mon 14/9/20	Mon 10/6/19	NA	Mon 10/6/19	Thu 15/10/20	31 days				$H = \begin{bmatrix} 1 & 1 & 1 \end{bmatrix}$							
308	Prepare AIP and ICE certification (Draft)	54 days 54 days	0 days	100%	Mon 10/6/19	Fri 2/8/19	Mon 10/6/19	Fri 2/8/19	Mon 10/6/19	Fri 2/8/19	0 days	1 days										
309	Submit & endorse by PM and Statutory Authorities/Gov. Dept	81 days 81 days	0 days	100%	Sat 3/8/19	Tue 22/10/19	Sat 3/8/19	Tue 22/10/1	9 Sat 3/8/19	Tue 22/10/19	0 days	2 days	308									
																		111111111111111111111111111111111111111		<u> </u>		
	7.11 Prog With Progress	Summary Project Summary		Inactive M			Duration-or Manual Sur	nly nmary Rollup		Start-only Finish-only		C 3	Exter Dead	mal Mileston Iline	e <	> L		ritical Split rogress				
	-May-20	. годось одиници у		Manual Ta			vimiuai Jul	ur J NOHUP		External Tas		-	Deau			•	г	-51000				

							Con	tract No. ED/	2018/01 K	ID Project															
Task	Name	Duration	n Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	h Late Start	Late Finish	Total TRA Slack	Predecessors 202		04 0	1 0	2021	04	01	2022	03 6	M 0	1 02	023 Q3	_
10	Prepare AIP and ICE (certification (Final)	270 days	s 222 days	48 days	82%	Tue 15/10/19	Fri 10/7/20	Tue 15/10/19	NA	Tue 15/10/19	Mon 10/8/20	31 days 0 days	309,44FF+12 da		Q4 Q			Q4	Q1		23 0	<u>14 Q1</u>	. Q2		
11	Prepare DDA certification (Draft)	27 days	27 days	0 days	100%	Mon 10/2/20	Sat 7/3/20	Mon 10/2/20	Sat 7/3/20	Mon 10/2/20	Sat 7/3/20	0 days 5 days	308												
312	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	24 days	51 days	32%	Wed 29/4/20	Thu 16/7/20	Wed 29/4/20	NA	Wed 29/4/20	Sun 16/8/20	31 days 1 days	311,310FF+6												
313	Prepare DDA for and ICE certification (Final)	10 days	0 days	10 days	0%	Fri 17/7/20	Sun 26/7/20	NA	NA	Mon 17/8/20	Wed 26/8/20	31 days 0.5 days	312												
314	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Mon 27/7/20	Mon 14/9/20	NA	NA	Thu 27/8/20	Thu 15/10/20	31 days 0.5 days	313					$\mathbb{H} $							
315	South Depressed Road (E&M Works)	382 days	s 0 days	382 days	0%	Mon 7/9/20	Thu 23/9/21	NA	NA	Fri 18/9/20	Mon 4/10/21	11 days						1							
316	Prepare AIP (E&M works) and ICE certification (Draft)	31 days	0 days	31 days	0%	Mon 7/9/20	Wed 7/10/20	NA	NA	Fri 18/9/20	Sun 18/10/20	11 days 1 day													
317	Submit & endorse by PM and Statutory Authorities/Gov. Dept	76 days	0 days	76 days	0%	Thu 8/10/20	Tue 22/12/20	NA	NA	Mon 19/10/20	Sat 2/1/21	11 days 1 day	316												
318	Prepare AIP (E&M works) and ICE certification (Final)	31 days	0 days	31 days	0%	Wed 23/12/20	Fri 22/1/21	NA	NA	Sun 3/1/21	Tue 2/2/21	11 days 1 day	317		1										
19	Submit & endorse by PM and Statutory Authorities/Gov. Dept	76 days	0 days	76 days	0%	Sat 23/1/21	Thu 8/4/21	NA	NA	Wed 3/2/21	Mon 19/4/21	11 days 1 day	318												
20	Prepare DDA (E&M works) and ICE certification (Draft)	31 days	0 days	31 days	0%	Tue 9/3/21	Thu 8/4/21	NA	NA	Sat 20/3/21	Mon 19/4/21	11 days 1 day	319FF												
21	Submit & endorse by PM and Statutory Authorities/Gov. Dept		0 days	76 days	0%	Fri 9/4/21	Wed 23/6/21	NA	NA	Tue 20/4/21	Sun 4/7/21	11 days 1 day	320												
22	Prepare DDA (E&M works) and ICE certification (Final)		0 days	16 days	0%	Thu 24/6/21	Fri 9/7/21	NA	NA	Mon 5/7/21	Tue 20/7/21	11 days 1 day	321												
23	Submit & endorse by PM and Statutory Authorities/Gov. Dept		0 days	76 days	0%	Sat 10/7/21	Thu 23/9/21		NA	Wed 21/7/21	Mon 4/10/21	11 days 1 day	322												
24	Road Works (Civil Works)		s 196.01 days		0%	Tue 13/8/19	Fri 4/6/21	Tue 13/8/19		Tue 13/8/19	Tue 14/12/21	193 days		Ш											
325			57 days		100%	Tue 13/8/19				Tue 13/8/19			293SS+75 days												
26	Prepare AIP for At-grade Road D3 and ICE certification (Draft)			0 days			Tue 8/10/19				Tue 8/10/19	0 days 1 day													
	Submit & endorse by PM		21 days	0 days	100%	Wed 9/10/19		Wed 9/10/19			Tue 29/10/19														
27	Submit & endorse by Statutory Authorities/Gov. Dept		24 days	0 days	100%	Wed 30/10/19				Wed 30/10/19	Fri 22/11/19	0 days 1 day	325												
328	Prepare AIP for At-grade Road D3 and ICE certification (Final)		57 days	0 days	100%	Thu 5/3/20	Mon 4/5/20	Thu 5/3/20	Mon 4/5/20		Mon 4/5/20	0 days 0 days	326FS+12 days,327,44FF+												
29	Prepare DDA for At-grade Road D3 and ICE certification (Draft)	210 days	s 0 days	210 days	0%	Sat 23/5/20	Fri 18/12/20		NA	Wed 2/12/20	Tue 29/6/21	193 days 5 days	days,328FF+6												
30	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Sat 19/12/20	Wed 3/3/21	NA	NA	Wed 30/6/21	Sun 12/9/21	193 days 0.5 days	329												
331	Prepare DDA for At-grade Road D3 and ICE certification (Final)	16 days	0 days	16 days	0%	Thu 4/3/21	Fri 19/3/21	NA	NA	Mon 13/9/21	Tue 28/9/21	193 days 1 day	330			H									
32	Submit & endorse by PM and Statutory Authorities/Gov. Dept	77 days	0 days	77 days	0%	Sat 20/3/21	Fri 4/6/21	NA	NA	Wed 29/9/21	Tue 14/12/21	193 days 2 days	331												
33	Remaining Road Works (E&M Works)	382 days	s 0 days	382 days	0%	Mon 5/10/20	Thu 21/10/21	NA	NA	Sat 13/2/21	Tue 1/3/22	131 days						+							
34	Prepare AIP (E&M works) and ICE certification (Draft)	31 days	0 days	31 days	0%	Mon 5/10/20	Wed 4/11/20	NA	NA	Sat 13/2/21	Mon 15/3/21	131 days 1 day													
35	Submit & endorse by PM and Statutory Authorities/Gov. Dept	76 days	0 days	76 days	0%	Thu 5/11/20	Tue 19/1/21	NA	NA	Tue 16/3/21	Sun 30/5/21	131 days 1 day	334												
36	Prepare AIP (E&M works) and ICE certification (Final)	31 days	0 days	31 days	0%	Wed 20/1/21	Fri 19/2/21	NA	NA	Mon 31/5/21	Wed 30/6/21	131 days 1 day	335		III										
137	Submit & endorse by PM and Statutory Authorities/Gov. Dept	76 days	0 days	76 days	0%	Sat 20/2/21	Thu 6/5/21	NA	NA	Thu 1/7/21	Tue 14/9/21	131 days 1 day	336			T									
38	Prepare DDA (E&M works) and ICE certification (Draft)	31 days	0 days	31 days	0%	Tue 6/4/21	Thu 6/5/21	NA	NA	Sun 15/8/21	Tue 14/9/21	131 days 1 day	337FF												
339	Submit & endorse by PM and Statutory Authorities/Gov. Dept	76 days	0 days	76 days	0%	Fri 7/5/21	Wed 21/7/21	NA	NA	Wed 15/9/21	Mon 29/11/21	131 days 1 day	338												
340	Prepare DDA (E&M works) and ICE certification (Final)	16 days	0 days	16 days	0%	Thu 22/7/21	Fri 6/8/21	NA	NA	Tue 30/11/21	Wed 15/12/21	131 days 1 day	339												
341	Submit & endorse by PM and Statutory Authorities/Gov. Dept	76 days	0 days	76 days	0%	Sat 7/8/21	Thu 21/10/21	NA	NA	Thu 16/12/21	Tue 1/3/22	131 days 1 day	340												
342	Road L12d Works (Roadworks)	791 days	s 261.27 days	529.73 days	0%	Tue 6/8/19	Mon 4/10/21	Tue 6/8/19	NA	Tue 6/8/19	Tue 28/2/23	512 days						-							
343	Prepare AIP for Road L12d Submission (Draft)	64 days	64 days	0 days	100%	Tue 6/8/19	Tue 8/10/19	Tue 6/8/19	Tue 8/10/19	Tue 6/8/19	Tue 8/10/19	0 days 1 day	325												
44	Submit & endorse by PM and Statutory Authorities/Gov. Dept	377 days	s 227 days	150 days	60%	Wed 9/10/19	Mon 19/10/20	0 Wed 9/10/19	NA	Wed 9/10/19	Tue 15/3/22	512 days			-2										
345				120 days	0%	Tue 20/10/20	Tue 16/2/21		NA	Wed 16/3/22	Wed 13/7/22	512 days 0 days	343,44FF+12												
346	(Final) Prepare DDA for Road L12d (Include E&M Provision Works) and ICE certification			120 days	0%	Thu 19/11/20			NA	Fri 15/4/22	Fri 12/8/22	512 days 1 day	days,344 343FS+260												
347	(Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept		0 days	75 days	0%	Fri 19/3/21	Tue 1/6/21		NA	Sat 13/8/22		512 days 1 day	days,345FF+30												
348	Prepare DDA for Road L12d (Include E&M Provision Works) and ICE certification			50 days	0%	Wed 2/6/21	Wed 21/7/21		NA	Thu 27/10/22		512 days 0.3 days	347,345FF												
	(Final)																								
49	Submit & endorse by PM and Statutory Authorities/Gov. Dept		0 days	75 days	0%	Thu 22/7/21	Mon 4/10/21		NA	Fri 16/12/22	Tue 28/2/23	512 days 0 days	348												
50	Road Lighting of Road D3 (E&M)		s 129.19 days		0%	Mon 6/1/20	Sun 18/4/21	Mon 6/1/20		Mon 6/1/20	Sun 1/8/21	105 days													
51	Prepare AIP (E&M works) Submission (Draft)		30 days	0 days	100%	Mon 6/1/20	Tue 4/2/20		Tue 4/2/20	Mon 6/1/20	Tue 4/2/20	0 days 2 days													
352	Submit & endorse by Statutory Authorities/Gov. Dept and PM		s 108 days	82 days	57%	Wed 5/2/20		Wed 5/2/20		Wed 5/2/20	Wed 25/11/20		351												
353	Prepare AIP (E&M works) and ICE certification (Final)	32 days	0 days	32 days	0%	Thu 13/8/20	Sun 13/9/20		NA	Thu 26/11/20	Sun 27/12/20	105 days 2 days	352												
354	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Mon 14/9/20	Thu 12/11/20	NA	NA	Mon 28/12/20	Thu 25/2/21	105 days 2 days	353												
itle· Rev 1	Prog with Progress	Summary			Inactive M	ilestone 🔷		Duration-on	ly		Start-only	Е	External Miles	tone	♦		1 III	Critical Sp	olit						_
	ay-20 Split	Project Sur	mmary		Inactive Su	immary		Manual Sun	nmary Rollup		Finish-only	3	Deadline		4			Progress		_			-		

								tract No. ED,														
Task	x Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	h Late Start	Late Finish	Total TRA Slack	Predecessors	2020 Q2	Q3 Q4	Q1 Q	2021 2 Q3	Q4 C)22 Q3 Q4	4 Q1 Q	2023
355	Prepare DDA (E&M works) and ICE certification (Draft)	32 days		32 days	0%	Mon 12/10/20	Thu 12/11/20	NA	NA	Mon 25/1/21	Thu 25/2/21	105 days 2 days	354FF									
356	Submit & endorse by PM and Statutory Authorities/Gov. Dept	77 days	0 days	77 days	0%	Fri 13/11/20	Thu 28/1/21	NA	NA	Fri 26/2/21	Thu 13/5/21	105 days 2 days	355									
357	Prepare DDA (E&M works) and ICE certification (Final)	3 days	0 days	3 days	0%	Fri 29/1/21	Sun 31/1/21	NA	NA	Fri 14/5/21	Sun 16/5/21	105 days 2 days	356									
358	Submit & endorse by PM and Statutory Authorities/Gov. Dept	77 days	0 days	77 days	0%	Mon 1/2/21	Sun 18/4/21	NA	NA	Mon 17/5/21	Sun 1/8/21	105 days 2 days	357					Ш.				
359	Road L12d Works (E&M Works)	329 days	0 days	329 days	0%	Mon 5/10/20	Sun 29/8/21	NA	NA	Mon 1/2/21	Sun 26/12/21	119 days										
360	Prepare AIP (E&M works) and ICE certification (Draft)	32 days	0 days	32 days	0%	Mon 5/10/20	Thu 5/11/20	NA	NA	Mon 1/2/21	Thu 4/3/21	119 days 2 days										
361	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Fri 6/11/20	Wed 6/1/21	NA	NA	Fri 5/3/21	Wed 5/5/21	119 days 2 days	360									
362	Prepare AIP (E&M works) and ICE certification (Final)	32 days		32 days	0%	Thu 7/1/21	Sun 7/2/21	NA	NA	Thu 6/5/21	Sun 6/6/21	119 days 2 days										
363	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days		62 days	0%	Mon 8/2/21	Sat 10/4/21		NA	Mon 7/6/21	Sat 7/8/21	119 days 2 days										
364	Prepare DDA (E&M works) and ICE certification (Draft)	32 days		32 days	0%	Wed 10/3/21		NA	NA	Wed 7/7/21	Sat 7/8/21	119 days 2 days	363FF									
365																						
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days		62 days	0%	Sun 11/4/21		NA	NA	Sun 8/8/21	Fri 8/10/21	119 days 2 days										
366	Prepare DDA (E&M works) and ICE certification (Final)	17 days		17 days	0%	Sat 12/6/21	Mon 28/6/21		NA	Sat 9/10/21	Mon 25/10/21											
367	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	_	62 days	0%	Tue 29/6/21	Sun 29/8/21		NA	Tue 26/10/21	Sun 26/12/21	119 days 2 days	366							↑ 		
368	Roadworks other than at-grade Road D3 and Road L12d (Civil Works)	609 days	238.54 days	370.46 days	0%	Mon 2/9/19	Sun 2/5/21	Mon 2/9/19	NA	Mon 2/9/19	Sun 23/5/21	21 days										
369	AIP for Roadworks - Roadworks other than at-grade Road D3 and Road L12d (Draft)	36 days	36 days	0 days	100%	Mon 2/9/19	Mon 7/10/19	Mon 2/9/19	Mon 7/10/19	9 Mon 2/9/19	Mon 7/10/19	0 days 0.5 days	S									
370	Submit & endorse by PM and Statutory Authorities/Gov. Dept	288 days	228 days	60 days	79%	Tue 8/10/19	Tue 21/7/20	Tue 8/10/19	NA	Tue 8/10/19	Tue 11/8/20	21 days 0.5 days	s 369									
371	AIP for Roadworks - Roadworks other than at-grade Road D3 and Road L12d (Final)	75 days	0 days	75 days	0%	Wed 22/7/20	Sun 4/10/20	NA	NA	Wed 12/8/20	Sun 25/10/20	21 days 0.5 days	370,44FF+12									
372	DDA for Roadworks - Roadworks other than at-grade Road D3 and Road L12d	95 days	0 days	95 days	0%	Sat 1/8/20	Tue 3/11/20	NA	NA	Sat 22/8/20	Tue 24/11/20	21 days 1 day	371FF+30 day	ys		_						
373	(Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Wed 4/11/20	Sun 17/1/21	NA	NA	Wed 25/11/20	Sun 7/2/21	21 days 0.5 days	s 372									
374	DDA for Roadworks - Roadworks other than at-grade Road D3 and Road L12d	30 days	0 days	30 days	0%	Mon 18/1/21	Tue 16/2/21	NA	NA	Mon 8/2/21	Tue 9/3/21	21 days 0.5 days	s 371,372,373									
375	(Final) Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Wed 17/2/21	Sun 2/5/21	NA	NA	Wed 10/3/21	Sun 23/5/21	21 days 0.5 days	s 374									
376	Roadworks - EVA to Sewerage and Saltwater Pumping Station (Civil Works)	413 days	s 68.26 days	344.74 days	0%	Wed 4/3/20	Tue 20/4/21	Wed 4/3/20	NA	Wed 4/3/20	Fri 17/2/23	668 days										
377	AIP for Roadworks - EVA to Sewerage and Saltwater Pumping Station (Draft)		46 days	0 days	100%	Wed 4/3/20	Sat 18/4/20	Wed 4/3/20	Sat 18/4/20		Sat 18/4/20	0 days 0.5 days	\$									
378	Submit & endorse by PM and Statutory Authorities/Gov. Dept		-		40%	Sat 18/4/20			NA	Sat 18/4/20	Mon 23/5/22	684 days	377									
			33 days	49 days																		
379	AIP for Roadworks - EVA to Sewerage and Saltwater Pumping Station (Final)	75 days	-	75 days	0%	Thu 9/7/20	Mon 21/9/20		NA	Tue 24/5/22	Sat 6/8/22	684 days 0.5 days										
380	DDA for Roadworks - EVA to Sewerage and Saltwater Pumping Station (Draft)	95 days		95 days	0%	Mon 20/7/20	Thu 22/10/20		NA	Thu 19/5/22	Sun 21/8/22	668 days 1 day	379FF+15 day	ys	HI							
381	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days		75 days	0%	Fri 23/10/20	Tue 5/1/21	NA	NA	Mon 22/8/22	Fri 4/11/22	668 days 0.5 days										
382	DDA for Roadworks - EVA to Sewerage and Saltwater Pumping Station (Final)	30 days	0 days	30 days	0%	Wed 6/1/21	Thu 4/2/21	NA	NA	Sat 5/11/22	Sun 4/12/22	668 days 0.5 days	s 379,380,381									
383	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Fri 5/2/21	Tue 20/4/21	NA	NA	Mon 5/12/22	Fri 17/2/23	668 days 0.5 days	s 382							\uparrow		
384	Road Lighting of Road other than Road D3 (E&M)	356 days	0 days	356 days	0%	Fri 29/5/20	Wed 19/5/21	NA	NA	Tue 2/6/20	Sun 23/5/21	4 days		 								
385	Prepare AIP (E&M works) and ICE certification (Draft)	38 days	0 days	38 days	0%	Fri 29/5/20	Sun 5/7/20	NA	NA	Tue 2/6/20	Thu 9/7/20	4 days 2 days										
386	Submit & endorse by PM and Statutory Authorities/Gov. Dept	77 days	0 days	77 days	0%	Mon 6/7/20	Sun 20/9/20	NA	NA	Fri 10/7/20	Thu 24/9/20	4 days 2 days	385									
387	Prepare AIP (E&M works) and ICE certification (Final)	32 days	0 days	32 days	0%	Mon 21/9/20	Thu 22/10/20	NA	NA	Fri 25/9/20	Mon 26/10/20	4 days 2 days	386									
388	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Fri 23/10/20	Wed 23/12/20) NA	NA	Tue 27/10/20	Sun 27/12/20	4 days 2 days	387	$-\parallel\parallel\parallel$		H						
389	Prepare DDA (E&M works) and ICE certification (Draft)	32 days	0 days	32 days	0%	Sun 22/11/20	Wed 23/12/20) NA	NA	Thu 26/11/20	Sun 27/12/20	4 days 2 days	388FF	$-\parallel\parallel\parallel$								
390	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days		62 days	0%	Thu 24/12/20	Tue 23/2/21	NA	NA	Mon 28/12/20	Sat 27/2/21	4 days 2 days	389	$-\parallel\parallel\parallel$								
391	Prepare DDA (E&M works) and ICE certification (Final)	23 days		23 days	0%	Wed 24/2/21	Thu 18/3/21		NA	Sun 28/2/21	Mon 22/3/21	4 days 2 days		$-\parallel\parallel\parallel$								
392	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days		62 days	0%	Fri 19/3/21	Wed 19/5/21		NA	Tue 23/3/21	Sun 23/5/21	4 days 2 days		$-\parallel\parallel\parallel$								
		322 days		322 days	0%	Thu 2/7/20	Wed 19/5/21			Mon 6/7/20	Sun 23/5/21		5/1									
393	Roadworks other than at-grade Road D3 and Road L12d (E&M Works)								NA			4 days										
394	Prepare AIP (E&M works) and ICE certification (Draft)	31 days		31 days	0%	Thu 2/7/20		NA	NA	Mon 6/7/20	Wed 5/8/20	4 days 1 day	20:									
395	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days		61 days	0%	Sun 2/8/20	Thu 1/10/20		NA	Thu 6/8/20	Mon 5/10/20	4 days 1 day	394									
396	Prepare AIP (E&M works) and ICE certification (Final)	31 days	0 days	31 days	0%	Fri 2/10/20	Sun 1/11/20	NA	NA	Tue 6/10/20	Thu 5/11/20	4 days 1 day	395									
397	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days	0 days	61 days	0%	Mon 2/11/20	Fri 1/1/21	NA	NA	Fri 6/11/20	Tue 5/1/21	4 days 1 day	396									
398	Prepare DDA (E&M works) and ICE certification (Draft)	31 days	0 days	31 days	0%	Wed 2/12/20	Fri 1/1/21	NA	NA	Sun 6/12/20	Tue 5/1/21	4 days 1 day	397FF									
399	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days	0 days	61 days	0%	Sat 2/1/21	Wed 3/3/21	NA	NA	Wed 6/1/21	Sun 7/3/21	4 days 1 day	398									
:41- D -	1 Days with Days and Task	Summary	1		Inactive Mil	lestone \Diamond	1	Duration-or	ıly		Start-only	E	F	External Milesto	ne <	<u></u>	C	ritical Split	<u> </u>			Ш
itle: Rev.1 as of 22-N	1 Prog with Progress	Project Sun	nmary		Inactive Sur				mmary Rollup		Finish-only	3		Deadline	10 4			rogress				
	Milestone •	Inactive Ta	sk		Manual Tas	k 📗		Manual Sur	nmary		External Tas	sks		Critical			N	Ianual Prog	ress			

							Coni	tract No. ED,	/2018/01 K	ID Project											
Task	Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	h Late Start	Late Finish	Total TRA Slack	Predecessors		03 04	01 02	21 O3 O4		2022 Q3 Q	04 01	20: Q2
0	Prepare DDA (E&M works) and ICE certification (Final)	16 days		16 days	0%	Thu 4/3/21	Fri 19/3/21	NA	NA	Mon 8/3/21	Tue 23/3/21	4 days 1 day	399					Q1 Q2		24 Q1	
1	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days	0 days	61 days	0%	Sat 20/3/21	Wed 19/5/21	NA	NA	Wed 24/3/21	Sun 23/5/21	4 days 1 day	400			*					
)2	DCS Seawater & Intake Box Culverts (approx 88m) (Section 2)	479 days	304.41 days	174.59 days	0%	Tue 13/8/19	Thu 3/12/20	Tue 13/8/19	NA	Tue 13/8/19	Tue 3/8/21	243 days									
13	Prepare AIP Subm with ICE certification (Draft)	165 days	165 days	0 days	100%	Tue 13/8/19	Fri 24/1/20	Tue 13/8/19	Fri 24/1/20	Tue 13/8/19	Fri 24/1/20	0 days 3 days		-							
14	Submit & endorse by PM	85 days	85 days	0 days	100%	Thu 23/1/20	Thu 16/4/20	Thu 23/1/20	Thu 16/4/20	Thu 23/1/20	Thu 16/4/20	0 days 1 day	403								
5	Submit & endorse by Statutory Authorities/Gov. Dept	90 days	90 days	0 days	100%	Fri 24/1/20	Mon 27/4/20	Fri 24/1/20	Mon 27/4/20	Fri 24/1/20	Mon 27/4/20	0 days 1 day	403								
16	Prepare AIP and ICE certification (Final)	0 days	0 days	0 days	100%	Thu 23/4/20	Mon 27/4/20	Thu 23/4/20	Mon 27/4/20) Thu 23/4/20	Mon 27/4/20	0 days 1 days	403,405,404	♦ 27/4							
7	Prepare DDA and ICE certification	80 days		80 days	0%	Sat 23/5/20	Mon 10/8/20		NA	Thu 21/1/21	Sat 10/4/21	243 days 5 days		7+11							
3	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days		50 days	0%	Tue 11/8/20	Tue 29/9/20		NA	Sun 11/4/21	Sun 30/5/21	243 days 3 days									
)	Prepare DDA for and ICE certification (Final)	15 days		15 days	0%	Wed 30/9/20	Wed 14/10/20		NA	Mon 31/5/21	Mon 14/6/21	243 days 1 day	408		Ţ						
0	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days		50 days	0%	Thu 15/10/20	Thu 3/12/20		NA	Tue 15/6/21	Tue 3/8/21	243 days 2 days	409								
l	Seawater & Intake Box Culverts Diversion	248 days	49.98 days	198.02 days	0%	Wed 1/4/20	Fri 4/12/20	Wed 1/4/20		Wed 1/4/20	Wed 6/10/21	306 days									
2	Prepare AIP Subm (Draft)	32 days	32 days	0 days	100%	Wed 1/4/20	Sat 2/5/20	Wed 1/4/20	Sat 2/5/20	Wed 1/4/20	Sat 2/5/20	0 days 3 days									
13	Submit & endorse by PM and Statutory Authorities/Gov. Dept	51 days	21 days	30 days	41%	Sat 2/5/20	Mon 22/6/20	Sat 2/5/20	NA	Sat 2/5/20	Tue 17/11/20	148 days 3 days	412		h 						
4	Prepare AIP and ICE certification (Final)	15 days	0 days	15 days	0%	Tue 23/6/20	Tue 7/7/20	NA	NA	Wed 18/11/20	Wed 2/12/20	148 days 1 days	412,413								
	Prepare DDA and ICE certification	50 days	0 days	50 days	0%	Tue 23/6/20	Tue 11/8/20	NA	NA	Sun 25/4/21	Sun 13/6/21	306 days 5 days	412SS,413F	7+5(
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Wed 12/8/20	Wed 30/9/20	NA	NA	Mon 14/6/21	Mon 2/8/21	306 days 3 days	415								
,	Prepare DDA for and ICE certification (Final)	15 days	0 days	15 days	0%	Thu 1/10/20	Thu 15/10/20	NA	NA	Tue 3/8/21	Tue 17/8/21	306 days 1 day	416								
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Fri 16/10/20	Fri 4/12/20	NA	NA	Wed 18/8/21	Wed 6/10/21	306 days 2 days	417								
	Rising Main (Sewerage Works)	402 days	134 days	268 days	0%	Thu 2/1/20	Sat 6/2/21	Thu 2/1/20	NA	Thu 2/1/20	Sun 7/3/21	29 days									
	Prepare AIP (Draft)	35 days	35 days	0 days	100%	Thu 2/1/20	Wed 5/2/20	Thu 2/1/20	Wed 5/2/20	Thu 2/1/20	Wed 5/2/20	0 days 3 days	4	-							
	Submit & endorse by PM		19 days	0 days	100%	Thu 6/2/20	Mon 24/2/20	Thu 6/2/20	Mon 24/2/20) Thu 6/2/20	Mon 24/2/20	0 days 1 day									
	Submit & endorse by PM and Statutory Authorities/Gov. Dept		56 days	0 days	100%	Thu 27/2/20	Fri 22/5/20	Thu 27/2/20			Fri 22/5/20	0 days 2 days	420								
	Prepare AIP and ICE certification (Final)	75 days		75 days	0%	Thu 2/7/20	Mon 14/9/20		NA NA	Fri 31/7/20	Tue 13/10/20	29 days 0 days	420,422,421	_['] #							
														_							
	Prepare DDA and ICE certification (Draft)	30 days		30 days	0%	Tue 15/9/20	Wed 14/10/20		NA	Wed 14/10/20	Thu 12/11/20		420SS,423								
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days		50 days	0%	Thu 15/10/20	Thu 3/12/20		NA	Fri 13/11/20	Fri 1/1/21	29 days 3 days	424,420								
	Prepare DDA and ICE certification (Final)	15 days	0 days	15 days	0%	Fri 4/12/20	Fri 18/12/20	NA	NA	Sat 2/1/21	Sat 16/1/21	29 days 0 days	425								
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Sat 19/12/20	Sat 6/2/21	NA	NA	Sun 17/1/21	Sun 7/3/21	29 days 3 days	426,423								
	Stormwater, Sewage, Salt Water and Fresh Water Works for Underpass and Depressed Road	641 days	151.9 days	489.1 days	0%	Fri 13/9/19	Mon 14/6/21	Fri 13/9/19	NA	Fri 13/9/19	Mon 28/6/21	14 days									
	Stormwater Drainage AIP for Underpass and Depressed Roads and ICE certification (Draft)	72 days	72 days	0 days	100%	Mon 2/12/19	Tue 11/2/20	Mon 2/12/19	Tue 11/2/20	Mon 2/12/19	Tue 11/2/20	0 days 1 day									
	Submit & endorse by PM	51 days	51 days	0 days	30%	Wed 12/2/20	Thu 2/4/20	Wed 12/2/20	Thu 2/4/20	Wed 12/2/20	Thu 2/4/20	0 days 0.5 day	rs 429								
	Submit & endorse by Statutory Authorities/Gov. Dept	139 days	64 days	75 days	46%	Fri 20/3/20	Wed 5/8/20	Fri 20/3/20	NA	Fri 20/3/20	Fri 30/10/20	86 days	429		,						
2	Prepare AIP and ICE certification (Final)	150 days	50 days	100 days	33%	Fri 3/4/20	Sun 30/8/20	Fri 3/4/20	NA	Fri 3/4/20	Sat 14/11/20	76 days	431FF+15 da	iys							
	Prepare DDA and ICE certification (Draft)	150 days	0 days	150 days	0%	Sat 23/5/20	Mon 19/10/20) NA	NA	Sat 18/7/20	Mon 14/12/20	56 days 1 day	429,432FF+	80 d							
1	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Tue 20/10/20	Sun 17/1/21	NA	NA	Tue 15/12/20	Sun 14/3/21	56 days 0.5 day	rs 433	$-\parallel \parallel \parallel$							
	Prepare DDA and ICE certification (Final)	31 days	0 days	31 days	0%	Mon 18/1/21	Wed 17/2/21	NA	NA	Mon 15/3/21	Wed 14/4/21	56 days 1 day	434	$-\parallel\parallel\parallel$							
5	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Thu 18/2/21	Mon 3/5/21	NA	NA	Thu 15/4/21	Mon 28/6/21	56 days 5 days	435	$-\parallel \parallel \parallel$							
7			51 days	0 days	100%	Tue 8/10/19	Wed 27/11/19		Wed	Tue 8/10/19		0 days 1 day		_							
	certification (Draft) Submit & endorse by PM		26 days	0 days	100%	Thu 28/11/19			27/11/19 Mon 23/12/	Thu 28/11/19		0 days 0.5 day	s 437								
)	Submit & endorse by Statutory Authorities/Gov. Dept		14 days	0 days	100%	Wed 8/4/20	Fri 24/4/20	Wed 8/4/20		Wed 8/4/20	Fri 24/4/20	0 days 3 days									
	Prepare AIP for Underpass, Depressed Road and ICE certification (Final)		22 days	0 days	100%	Sat 25/4/20	Sat 16/5/20	Sat 25/4/20	Sat 16/5/20		Sat 16/5/20	0 days 0 days									
	Prepare DDA for Underpass, Depressed Road and ICE certification (Draft)	90 days		90 days	0%	Sun 17/5/20	Fri 14/8/20		NA	Fri 2/10/20		138 days 1 day	440								
2	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Sat 15/8/20	Wed 28/10/20) NA	NA	Thu 31/12/20	Mon 15/3/21	138 days 0.5 day									
43	Prepare DDA for Underpass, Depressed Road and ICE certification (Final)	30 days	0 days	30 days	0%	Thu 29/10/20	Fri 27/11/20	NA	NA	Tue 16/3/21	Wed 14/4/21	138 days 0 days	442								
14	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Sat 28/11/20	Wed 10/2/21	NA	NA	Thu 15/4/21	Mon 28/6/21	138 days 0 days	443								
lo. Port 1	Prograith Progress Task	ummary	1	<u> </u>	Inactive M	ilestone \diamondsuit	1	Duration-or	nly		Start-only	С	<u> </u>	External Milesto	ne 🔷	<u></u>	Critical Spli	lit			
e, kev. l	Prog with Progress	roject Sun	nmary		Inactive Su				mmary Rollup		Finish-only	3		Deadline	1		Progress				•

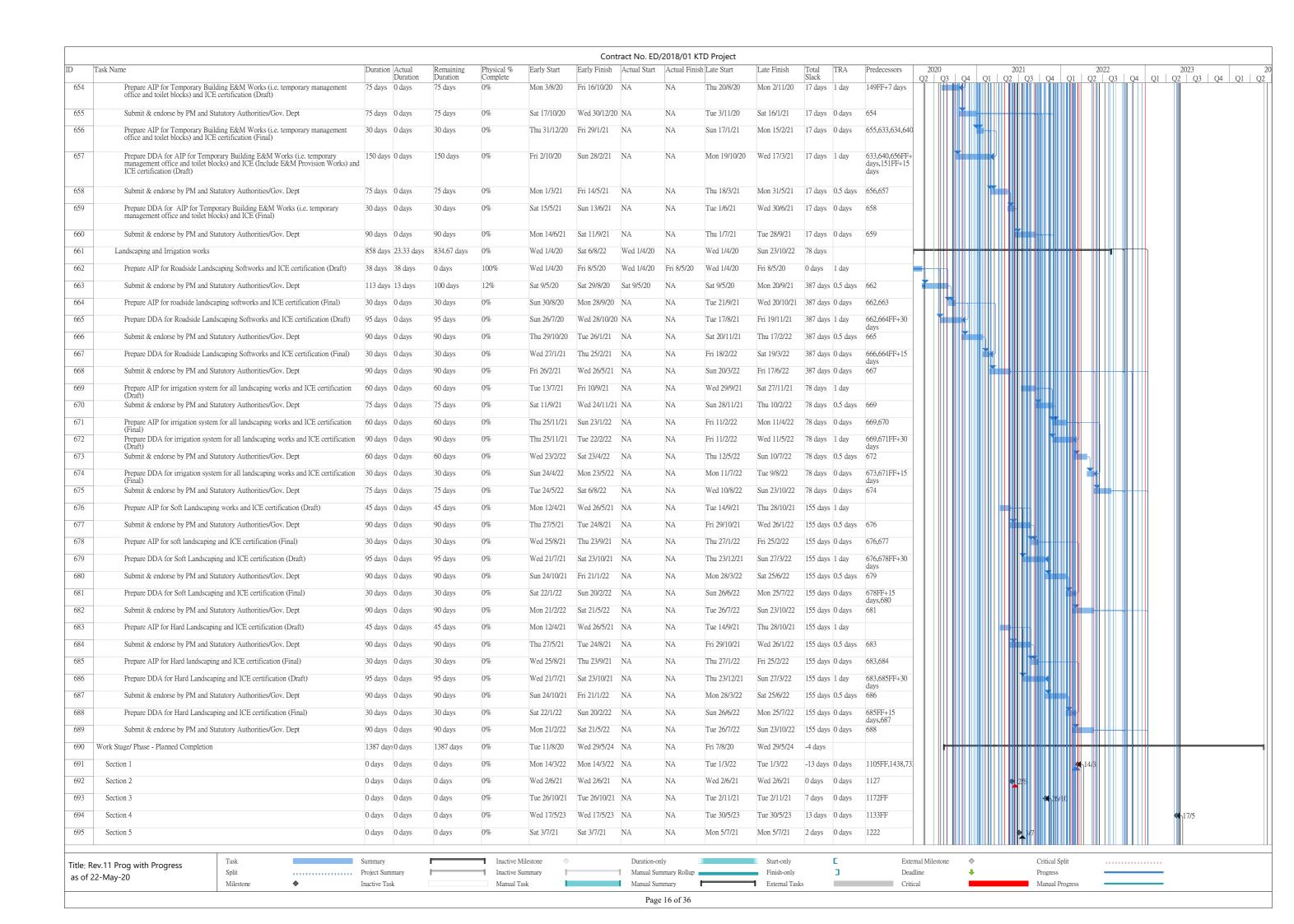




							Con	tract No. ED/	/2018/01 KT	D Project													
Task	Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finisl	Late Start	Late Finish	Total TRA Slack	Predecessors			01	2021 O2 O3	04	01 02	022	04 01	2023	
535	Prepare AIP for Salt Water Pumping Station E&M works and ICE certification	77 days		77 days	0%	Mon 17/8/20	Sun 1/11/20	NA	NA	Sun 13/9/20	Sat 28/11/20	27 days 2 days	534	Q2 	ψυ Q ₄	· QI	Q2 Q3	Q4 (Q1 Q2	Q3 0	V4 Q1	Q2 Q3	_Q
36	(Final) Prepare DDA for Salt Water Pumping Station E&M works and ICE certification	120 days	0 days	120 days	0%	Tue 4/8/20	Tue 1/12/20	NA	NA	Mon 31/8/20	Mon 28/12/20	27 days 1 day	534FF,535FF	+3(
37	(Draft) Submit to WSD for Plumbing and Irrigation Works for approval	0 days	0 days	0 days	0%	Tue 1/12/20	Tue 1/12/20	NA	NA	Tue 29/12/20	Tue 29/12/20	27 days 1 day	days,516 536		,	1/12							
38	Submit & endorse by PM and Statutory Authorities/Gov. Dept	91 days	0 days	91 days	0%	Wed 2/12/20	Tue 2/3/21	NA	NA	Tue 29/12/20	Mon 29/3/21	27 days 1 day	536,537			4							
39	Prepare DDA for Salt Water Pumping Station and ICE certification (Final)	31 days		31 days	0%	Wed 3/3/21	Fri 2/4/21	NA	NA	Tue 30/3/21	Thu 29/4/21	27 days 1 day	535FF+6										
40	Submit & endorse by PM and Statutory Authorities/Gov. Dept	91 days	-	91 days	0%	Sat 3/4/21	Fri 2/7/21	NA	NA	Fri 30/4/21	Thu 29/7/21	27 days 1 day	days,538 539										
													339										
541	AIP for Remaining Works of Salt Water & Sewerage Pumping and ICE certification (Draft)			0 days	0%	Mon 17/2/20	Sat 28/3/20			Mon 17/2/20	Sat 28/3/20	0 days 1 day	4										
542	Submit & endorse by PM	18 days	18 days	0 days	100%	Mon 30/3/20	Thu 16/4/20	Mon 30/3/20	Thu 16/4/20	Mon 30/3/20	Thu 16/4/20	0 days											
13	Submit & endorse by Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Mon 3/8/20	Sat 31/10/20	NA	NA	Sun 14/3/21	Fri 11/6/21	223 days 0.5 day	s 541,542										
14	AIP for Remaining Works of Salt Water Pumping & Sewage and ICE certification (Final)	90 days	0 days	90 days	0%	Sun 1/11/20	Fri 29/1/21	NA	NA	Sat 12/6/21	Thu 9/9/21	223 days 3 days	543										
45	DDA for Remaining Works of Salt Water & Sewage Pumping and ICE certification (Draft)	n 90 days	0 days	90 days	0%	Sun 6/12/20	Fri 5/3/21	NA	NA	Sat 17/7/21	Thu 14/10/21	223 days 1 day	541,544FF+3 days	5									
16	Submit & endorse by PM and Statutory Authorities/Gov. Dept	93 days	0 days	93 days	0%	Sat 6/3/21	Sun 6/6/21	NA	NA	Fri 15/10/21	Sat 15/1/22	223 days 3 days											
17	DDA for Remaining Works of Salt Water & Sewage Pumping and ICE certification	on 35 days	0 days	35 days	0%	Mon 7/6/21	Sun 11/7/21	NA	NA	Sun 16/1/22	Sat 19/2/22	223 days 3 days	546,544FF+1	2			Tr-						
48	(Final) Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Mon 12/7/21	Fri 24/9/21	NA	NA	Sun 20/2/22	Thu 5/5/22	223 days 2 days	days 547								 		
49	AIP for Architectural works of Salt Water & Sewage Pumping and ICE certification	on 45 days	0 days	45 days	0%	Mon 5/4/21	Wed 19/5/21	NA	NA	Mon 3/5/21	Wed 16/6/21	28 days 1 day	4	$-\parallel \parallel \parallel$,						
50	(Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days		60 days	0%	Thu 20/5/21	Sun 18/7/21		NA	Thu 17/6/21	Sun 15/8/21	28 days 0.5 day	rs 549										
51	AIP for Architectural works of Salt Water Pumping & Sewage and ICE certification (Final)			62 days	0%	Mon 19/7/21	Sat 18/9/21		NA	Mon 16/8/21	Sat 16/10/21	28 days 2 days											
52	DDA for Architectural works of Salt Water & Sewage Pumping and ICE certification (Draft)	60 days		60 days	0%	Fri 20/8/21	Mon 18/10/21		NA	Fri 17/9/21		28 days 1 day	549,551FF+3 days	0									
53	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Tue 19/10/21	Fri 17/12/21	NA	NA	Tue 16/11/21	Fri 14/1/22	28 days 0.5 day	s 552										
54	DDA for Architectural works of Salt Water & Sewage Pumping and ICE certification (Final)	36 days	0 days	36 days	0%	Sat 18/12/21	Sat 22/1/22	NA	NA	Sat 15/1/22	Sat 19/2/22	28 days 2 days	551FF+12 days,553										
55	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Sun 23/1/22	Fri 25/3/22	NA	NA	Sun 20/2/22	Fri 22/4/22	28 days 2 days	554							++			
56	AIP for Landscaping works of Salt Water & Sewage Pumping and ICE certificatio (Draft)	n 45 days	0 days	45 days	0%	Mon 5/4/21	Wed 19/5/21	NA	NA	Sun 2/5/21	Tue 15/6/21	27 days 1 day	4			 							
57	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days	0 days	61 days	0%	Thu 20/5/21	Mon 19/7/21	NA	NA	Wed 16/6/21	Sun 15/8/21	27 days 0.5 day	s 556										
58	AIP for Landscaping works of Salt Water Pumping & Sewage and ICE certification	n 62 days	0 days	62 days	0%	Tue 20/7/21	Sun 19/9/21	NA	NA	Mon 16/8/21	Sat 16/10/21	27 days 2 days	556,557										
59	(Final) DDA for Landscaping works of Salt Water & Sewage Pumping and ICE	62 days	0 days	62 days	0%	Thu 19/8/21	Tue 19/10/21	NA	NA	Wed 15/9/21	Mon 15/11/21	27 days 2 days	556,558FF+3				Ш						
60	certification (Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days	-	61 days	0%	Wed 20/10/21			NA	Tue 16/11/21	Sat 15/1/22	27 days 0.5 day	days										
61	DDA for Landscaping works of Salt Water & Sewage Pumping and ICE	35 days		35 days	0%		Sun 23/1/22		NA	Sun 16/1/22	Sat 19/2/22	27 days 2 days											
	certification (Final)												days,560										
562	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days		61 days	0%	Mon 24/1/22			NA	Sun 20/2/22	Thu 21/4/22	27 days 2 days	561										
53	AIP for Seawater Intake and Box Culvert Structures for Pumping Station (approx. 160m) (Section 6) Submission (Draft)	58 days	58 days	0 days	100%	Tue 10/12/19	Wed 5/2/20	Tue 10/12/19	Wed 5/2/20	Tue 10/12/19	Wed 5/2/20	0 days 1 day											
54	Submit & endorse by PM	25 days	25 days	0 days	33%	Wed 5/2/20	Thu 5/3/20	Wed 5/2/20	Thu 5/3/20	Wed 5/2/20	Thu 5/3/20	0 days 0.5 day	s 563										
65	Submit & endorse by Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Sat 23/5/20	Sat 11/7/20	NA	NA	Sun 28/3/21	Sun 16/5/21	309 days 0.5 day	rs 563										
56	AIP for Seawater Intake and Box Culvert Structure (Final)	21 days	0 days	21 days	0%	Sun 12/7/20	Sat 1/8/20	NA	NA	Mon 17/5/21	Sun 6/6/21	309 days 0.5 day	s 563,565,564										
67	DDA for Seawater Intake and Box Culvert Structure (Draft)	15 days		15 days	0%	Sat 25/7/20		NA	NA	Sun 30/5/21	Sun 13/6/21	309 days 1 day	563,565,564,	566									
58	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days		50 days	0%	Sun 9/8/20	Sun 27/9/20		NA	Mon 14/6/21	Mon 2/8/21	309 days 0.5 day											
59	DDA for Seawater Intake and Box Culvert Structure (Final)	15 days		15 days	0%	Mon 28/9/20	Mon 12/10/20		NA	Tue 3/8/21	Tue 17/8/21	309 days 1 day	567,568,566F	r+									
70	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days		50 days	0%	Tue 13/10/20	Tue 1/12/20		NA	Wed 18/8/21	Wed 6/10/21	309 days 0.5 day	s 569										
71	Elevated Landscape Deck Staircase & Associated Work	714 days	268.49 days	445.51 days	0%	Thu 30/5/19	Wed 12/5/21	Thu 30/5/19	NA	Thu 30/5/19	Mon 5/7/21	54 days											
72	Elevated Landscape Deck Superstructure AIP and ICE certification (Draft)	96 days	96 days	0 days	100%	Thu 30/5/19	Mon 2/9/19	Thu 30/5/19	Mon 2/9/19	Thu 30/5/19	Mon 2/9/19	0 days 3 days	4										
73	Submit & endorse by PM	15 days	15 days	0 days	100%	Tue 3/9/19	Tue 17/9/19	Tue 3/9/19	Tue 17/9/19	Tue 3/9/19	Tue 17/9/19	0 days 1 days	572										
74	Submit & endorse by Statutory Authorities/Gov. Dept	162 days	s 162 days	0 days	0%	Tue 24/9/19	Tue 3/3/20	Tue 24/9/19	Tue 3/3/20	Tue 24/9/19	Tue 3/3/20	0 days 0.5 day	rs 573										
75	Prepare AIP and ICE certification (Final)	255 days	s 155 days	100 days	61%	Wed 20/11/19	Fri 31/7/20	Wed 20/11/19) NA	Wed 20/11/19	Thu 26/11/20	118 days 0.5 day	s 44FF+12 day	s =									
76	Prepare DDA and ICE certification (Draft)	75 days		75 days	0%	Fri 12/6/20	Sun 30/8/20		NA	Thu 8/10/20	Sat 26/12/20	118 days 1 day	574FF+30 da										
77	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days		50 days	0%	Mon 31/8/20	Mon 19/10/20		NA	Sun 27/12/20	Sun 14/2/21	118 days 0.5 day											
			-																				
578	Prepare DDA for and ICE certification (Final)	22 days	o days	22 days	0%	Tue 20/10/20	1ue 10/11/20	NA	NA	Mon 15/2/21	Mon 8/3/21	118 days 1 day	577										
	Page with Page 1	Summary			Inactive M	ilectore		Duration-or	alv "		Start-only	г		External Miles	one	♦		Critical Split	t				
	Prog with Progress Split	Project Sun	nmary		Inactive M Inactive St				nmary Rollup		Start-only Finish-only]		external Miles Deadline	OHE	♣		Progress	ı				
s of 22-M	ay-20 Milestone ◆	Inactive Ta			Manual Ta			Manual Sur			External Tasl			Critical				Manual Prog	oress				

							Cont	ract No. ED/	/2018/01 KT	D Project												
Task	Name	Duration	Actual Duration	Remaining Duration	Physical % I Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total TRA Slack	Predecessors	2020	04 01	2021	104 (01 01	2022	04 01	2023 Q2 Q3	
579	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days		50 days	-	Wed 11/11/20	Wed 30/12/20	NA	NA	Tue 9/3/21	Tue 27/4/21	118 days 1 day	578	Q2 Q3	Q4 Q1	Q2 Q3		21 Q2	Q3 	Q4 Q1	Q2 Q3	Q4
580	Elevated Landscape Deck - Lift (LT1<2)& Staircase include E&M Progvision: AIP and ICE Certification (Draft)	50 days	50 days	0 days	100%	Mon 7/10/19	Mon 25/11/19	Mon 7/10/19	Mon 25/11/19	Mon 7/10/19	Mon 25/11/19	0 days 3 days	44FF+12 days									
581	Submit & endorse by PM	21 days	21 days	0 days	100%	Γue 26/11/19	Mon 16/12/19	Tue 26/11/19		. Tue 26/11/19	Mon 16/12/19	0 days 1 days	580									
582	Submit & endorse by Statutory Authorities/Gov. Dept	120 days	85 days	35 days	71%	Fri 28/2/20	Fri 26/6/20	Fri 28/2/20	NA	Fri 28/2/20	Thu 13/8/20	48 days 1 days	580									
583	Prepare AIP and ICE certification (Final)	60 days	0 days	60 days	0%	Sat 27/6/20	Tue 25/8/20	NA	NA	Fri 14/8/20	Mon 12/10/20	48 days 0 days	580,581,582,44F									
584	Prepare DDA and ICE certification (Draft)	60 days	0 days	60 days	0%	Γue 11/8/20	Wed 14/10/20	NA	NA	Mon 28/9/20	Tue 1/12/20	48 days 1 day	580,583FF+50 d									
585	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Γhu 15/10/20	Tue 12/1/21	NA	NA	Wed 2/12/20	Mon 1/3/21	48 days 0.5 day	rs 584									
586	Prepare DDA for and ICE certification (Final)	30 days	0 days	30 days	0%	Wed 13/1/21	Thu 11/2/21	NA	NA	Tue 2/3/21	Wed 31/3/21	48 days 0.5 day	s 585,583FF+12 d		Mary Mary							
587	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Fri 12/2/21	Wed 12/5/21	NA	NA	Thu 1/4/21	Tue 29/6/21	48 days 2 days	586									
588	Elevated Landscape Deck - Open Space AIP Subm (Draft)	50 days	50 days	0 days	100%	Mon 10/2/20	Mon 30/3/20	Mon 10/2/20	Mon 30/3/20	Mon 10/2/20	Mon 30/3/20	0 days 3 days										
589	Submit & endorse by PM	21 days	21 days	0 days	100%	Mon 30/3/20	Mon 20/4/20	Mon 30/3/20	Mon 20/4/20	Mon 30/3/20	Mon 20/4/20	0 days 0.5 day	vs 588									
590	Submit & endorse by Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Mon 6/7/20	Mon 24/8/20	NA	NA	Mon 28/9/20	Mon 16/11/20	84 days 1 days	588									
591	Prepare AIP and ICE certification (Final)	30 days	0 days	30 days	0%	Γue 25/8/20	Wed 23/9/20	NA	NA	Tue 17/11/20	Wed 16/12/20	84 days 2 days	588,590,44FF+1	1								
592	Prepare DDA and ICE certification (Draft)	75 days	0 days	75 days	0%	Γhu 24/9/20	Sat 12/12/20	NA	NA	Thu 17/12/20	Sat 6/3/21	84 days 1 day	590SS,591									
593	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Sun 13/12/20	Sun 31/1/21	NA	NA	Sun 7/3/21	Sun 25/4/21	84 days 0.5 day	rs 592									
594	Prepare DDA for and ICE certification (Final)	21 days	0 days	21 days	0%	Mon 1/2/21	Sun 21/2/21	NA	NA	Mon 26/4/21	Sun 16/5/21	84 days 0 days	593,591FF+6 da									
595	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days		50 days		Mon 22/2/21	Mon 12/4/21		NA	Mon 17/5/21	Mon 5/7/21	84 days 0 days										
596	EVA for Open Space AIP Subm (Draft)	71 days		0 days		Mon 10/2/20		Mon 10/2/20		Mon 10/2/20	Mon 20/4/20	0 days 3 days										
597	Submit & endorse by PM	2 days		0 days		Γue 21/4/20			Mon 27/4/20		Mon 27/4/20	0 days 1 day	596									
598	Submit & endorse by Statutory Authorities/Gov. Dept	50 days		50 days		Mon 6/7/20	Mon 24/8/20		NA	Sun 4/10/20		90 days 1 days										
599	Prepare AIP and ICE certification (Final)	30 days		30 days		Γue 25/8/20	Wed 23/9/20		NA	Mon 23/11/20		90 days 2 days										
600	Prepare DDA and ICE certification (Draft)	60 days		60 days		Γhu 24/9/20	Fri 27/11/20		NA	Wed 23/12/20	Thu 25/2/21	90 days 1 day	598SS,599									
601	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days		50 days		Sat 28/11/20	Sat 16/1/21	NA	NA	Fri 26/2/21	Fri 16/4/21	90 days 0.5 day										
602	Prepare DDA for and ICE certification (Final)					Sun 17/1/21	Mon 15/2/21		NA	Sat 17/4/21	Sun 16/5/21											
603	Submit & endorse by PM and Statutory Authorities/Gov. Dept	30 days		30 days 50 days		Γue 16/2/21	Tue 6/4/21	NA		Mon 17/5/21	Mon 5/7/21	90 days 0 days										
604	<u> </u>	50 days							NA			90 days 0 days	602									
605	Waterfront Promenade and At-grade Open Space Prepare AIP for Observation Deck with Lift (LT5) and Staircase and ICE (Include		5.98 days	527.02 days		Wed 1/4/20	Wed 15/9/21		NA E: 24/4/20	Wed 1/4/20	Tue 28/9/21	13 days										
003	E&M Provision Works) certification (Draft)	24 days	24 days	0 days	100%	Wed 1/4/20	Fri 24/4/20	Wed 1/4/20	FTI 24/4/20	Wed 1/4/20	Fri 24/4/20	0 days 1 day										
606	Submit & endorse by PM and Statutory Authorities/Gov. Dept	14 days	14 days	0 days	0%	Fri 24/4/20	Fri 8/5/20	Fri 24/4/20	Fri 8/5/20	Fri 24/4/20	Fri 8/5/20	0 days 1 day	605									
607	Prepare AIP for Observation Deck with Lift (LT5) and Staircase and ICE (Include	31 days	0 days	31 days	0%	Wed 16/9/20	Fri 16/10/20	NA	NA	Thu 22/10/20	Sat 21/11/20	36 days 1 day	605,606,647FF,6									
	E&M Provision Works) certification (Final)																					
608	Prepare DDA for Observation Deck with Lift and Staircase and ICE (Include E&N Provision Works) certification (Draft)			100 days		Sat 17/10/20	Sun 24/1/21		NA	Sun 22/11/20	Mon 1/3/21	36 days 1 day	605,647,654,607									
609	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days		90 days		Mon 25/1/21		NA	NA	Tue 2/3/21	Sun 30/5/21	36 days 0.5 day	rs 608,607									
610	Prepare DDA for Observation Deck with Lift and Staircase and ICE (Include E&N Provision Works) certification (Final)	M 31 days	0 days	31 days	0%	Sun 25/4/21	Tue 25/5/21	NA	NA	Mon 31/5/21	Wed 30/6/21	36 days 1 day	609									
611	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Wed 26/5/21	Mon 23/8/21	NA	NA	Thu 1/7/21	Tue 28/9/21	36 days 2 days	610									
612	Prepare AIP for Remaining Works at Waterfront Promenade and ICE (Include E&M Provision Works) certification (Draft)	51 days	0 days	51 days	0%	Mon 14/9/20	Tue 3/11/20	NA	NA	Sun 27/9/20	Mon 16/11/20	13 days 2 days										
613	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Wed 4/11/20	Sun 17/1/21	NA	NA	Tue 17/11/20	Sat 30/1/21	13 days 0.5 day	rs 612									
614	Prepare AIP for Remaining Works at Waterfront Promenade and ICE (Include	60 days		60 days			Thu 18/3/21		NA	Sun 31/1/21	Wed 31/3/21	13 days 2 days										
	E&M Provision Works) certification (Final)	o o outjo	, 11,0	<u></u>		10/1/21	10,0,01			24421			,010									
615	Prepare DDA for Remaining Works at Waterfront Promenade and ICE (Include E&M Provision Works) certification (Draft)	75 days	0 days	75 days	0%	Γue 2/2/21	Sat 17/4/21	NA	NA	Mon 15/2/21	Fri 30/4/21	13 days 1 day	612,614FF+30 days									
616	<u> </u>	60 de	O deve	60 days	06/-	Cun 10///01	Wad 16/6/01	NΑ	NA	Cot 1/5/01	Tuo 20/6/21	12 deve 1 J	615									
616	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days		60 days		Sun 18/4/21	Wed 16/6/21		NA	Sat 1/5/21	Tue 29/6/21	13 days 1 day	615									
617	Prepare DDA for Remaining Works at Waterfront Promenade and ICE (Include E&M Provision Works) certification (Final)	31 days	U days	31 days	0%	Гhu 17/6/21	Sat 17/7/21	NA	NA	Wed 30/6/21	Fri 30/7/21	13 days 1 day	616,614FF+15 days									
618	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Sun 18/7/21	Wed 15/9/21	NA	NA	Sat 31/7/21	Tue 28/9/21	13 days 1 day	617									
619	AIP for Cladding Design of Landscape Deck, Lifts and associated Works (Draft)	31 days	0 days	31 days	0%	Mon 20/7/20	Wed 19/8/20	NA	NA	Fri 21/8/20	Sun 20/9/20	32 days 1 day										
	1 Doggovijski Dogg	Summary			Inactive Miles	stone.		Duration-on	ılv		Start-only	Г	Evterns	l Milestone	*		Critical Split	<u> </u> 				
itle: Rev.1" is of 22-M	1 Prog with Progress	Project Sum	ımary		Inactive Sumr				nmary Rollup		Finish-only]	Deadlir		•		Progress					
3 UI ZZ-IVI	Milestone •	Inactive Tas	sk		Manual Task			Manual Sur	nmary I		External Task	cs	Critical				Manual Progr	gress				

							Cont	ract No. ED,	/2018/01 K	TD Project										
Task	Name	Duration	n Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	h Late Start	Late Finish	Total TRA Slack	Predecessors	2020	100	202	1	01 -	2022	
520	Submit & endorse by PM and Statutory Authorities/Gov. Dept	63 days	0 days	63 days	0%	Thu 20/8/20	Wed 21/10/20	NA	NA	Mon 21/9/20	Sun 22/11/20	32 days 3 day	s 619	Q2 Q3	Q4	Q1 Q2	Q3 Q4	Q1 Q	2 Q3	Q4
521	AIP for Cladding Design of Landscape Deck, Lifts and associated Works (Final)	52 days	0 days	52 days	0%	Thu 22/10/20	Sat 12/12/20	NA	NA	Mon 23/11/20	Wed 13/1/21	32 days 2 day	s 619,620	-	+	\				
522	DDA for Cladding Design of Landscape Deck, Lifts and associated Works (Draft)	61 days	0 days	61 days	0%	Thu 12/11/20	Mon 11/1/21	NA	NA	Mon 14/12/20	Fri 12/2/21	32 days 1 day	619,621FF+30			Щ Ш				
23	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	_	60 days	0%	Tue 12/1/21	Fri 12/3/21		NA	Sat 13/2/21	Tue 13/4/21	32 days 1 day	days	-						
24			-																	
	DDA for Cladding Design of Landscape Deck, Lifts and associated Works (Final)	21 days	-	21 days	0%	Sat 13/3/21		NA	NA	Wed 14/4/21	Tue 4/5/21	32 days 1 day								
5	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Sat 3/4/21		NA	NA	Wed 5/5/21	Mon 5/7/21	32 days 2 day	s 624							
16	AIP for Balustrade and Railing of Promenade, Open Space and Assocated Works (Draft)	30 days	0 days	30 days	0%	Sat 1/8/20	Sun 30/8/20	NA	NA	Tue 29/9/20	Wed 28/10/20	59 days 1 day								
27	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Mon 31/8/20	Thu 29/10/20	NA	NA	Thu 29/10/20	Sun 27/12/20	59 days 1 day	626							
8	AIP for Balustrade and Railing of Promenade, Open Space and Assocated Works (Final)	25 days	0 days	25 days	0%	Fri 30/10/20	Mon 23/11/20	NA	NA	Mon 28/12/20	Thu 21/1/21	59 days 0.5 da	ays 626,627		1					
9	DDA for Balustrade and Railing of Promenade, Open Space and Assocated Works	50 days	0 days	50 days	0%	Wed 4/11/20	Wed 23/12/20	NA	NA	Sat 2/1/21	Sat 20/2/21	59 days 1 day	626,628FF+30		T					
0	(Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Thu 24/12/20	Sun 21/2/21	NA	NA	Sun 21/2/21	Wed 21/4/21	59 days 0 day	s 629							
1	DDA for Balustrade and Railing of Promenade, Open Space and Assocated Works	15 days	0 days	15 days	0%	Mon 22/2/21	Mon 8/3/21	NA	NA	Thu 22/4/21	Thu 6/5/21	59 days 1 day	628,629,630			+				
2	(Final) Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Tue 9/3/21	Fri 7/5/21	NA	NA	Fri 7/5/21	Mon 5/7/21	59 days 0 day	s 631	-		-				
3	Prepare AIP for Permanent Building Works (i.e. Ampitheater, Observation Tower,				0%	Wed 29/7/20	Sat 26/9/20		NA	Thu 20/8/20				-						
	Prepare AIP for Permanent Building Works (i.e. Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE certification (Draft)	oo days	o uays	60 days	U7/0	wed 29/1/20	Sat 20/9/20	NA	INA	111u 20/8/20	Sun 18/10/20	22 days 1 day	149FF+ / Qays							
4	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Sun 27/9/20	Wed 25/11/20	NA	NA	Tue 3/11/20	Fri 1/1/21	37 days 0.5 da	ays 633							
	Prepare AIP for Permanent Building Works (i.e. Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House	30 days	0 days	30 days	0%	Thu 26/11/20	Fri 25/12/20	NA	NA	Sat 2/1/21	Sun 31/1/21	37 days 0 day	s 633,634	$+\parallel\parallel\parallel\parallel$	 					
	Building Blocks) and ICE certification (Final)																			
j	Prepare DDA for Permanent Building Works (i.e. Ampitheater, Observation Tower Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE certification (Draft)	, 100 day	s 0 days	100 days	0%	Fri 2/10/20	Sat 9/1/21	NA	NA	Sun 8/11/20	Mon 15/2/21	37 days 1 day	633,635FF+15 days,151FF+15 days			<u> </u>				
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Sun 10/1/21	Thu 25/3/21	NA	NA	Tue 16/2/21	Sat 1/5/21	37 days 0.5 days	ays 635,636	-						
	Prepare DDA for Permanent Building Works (i.e. Ampitheater, Observation Tower Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) nd ICE certification (Final)			30 days	0%	Fri 26/3/21	Sat 24/4/21		NA	Sun 2/5/21	Mon 31/5/21	37 days 0 day				Y				
																ШЩШ				
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Sun 25/4/21	Thu 8/7/21	NA	NA	Tue 1/6/21	Sat 14/8/21	37 days 0.5 da	ays 635,636,638			11				
	Prepare AIP for Permanent Building E&M Works (i.e. Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE certification (Draft)	75 days	0 days	75 days	0%	Tue 14/7/20	Sat 26/9/20	NA	NA	Wed 5/8/20	Sun 18/10/20	22 days 1 day	149FF+7 days							
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Sun 27/9/20	Wed 25/11/20	NA	NA	Mon 19/10/20	Thu 17/12/20	22 days 0.5 da	ays 640							
2	Prepare AIP for Permanent Building E&M Works (i.e. Observation Tower, Toilet	30 days	0 days	30 days	0%	Thu 26/11/20	Fri 25/12/20	NA	NA	Fri 18/12/20	Sat 16/1/21	22 days 0 day	s 640,641	-						
	Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE certification (Final)												- 10,11							
3	Prepare DDA for Permanent Building E&M Works (i.e. Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE (Include E&M Provision Works) certification (Draft)	120 day	s 0 days	120 days	0%	Sun 27/9/20	Sun 24/1/21	NA	NA	Mon 19/10/20	Mon 15/2/21	22 days 1 day	640,642FF+30 days,151FF+15 days			4				
14	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Mon 25/1/21	Thu 25/3/21	NA	NA	Tue 16/2/21	Fri 16/4/21	22 days 0.5 da	ays 642,643							
5	Prepare DDA for Permanent Building E&M Works (i.e. Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) nd ICE certification (Final)	30 days	0 days	30 days	0%	Fri 26/3/21	Sat 24/4/21	NA	NA	Sat 17/4/21	Sun 16/5/21	22 days 0 day	s 644							
;	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Sun 25/4/21	Fri 23/7/21	NA	NA	Mon 17/5/21	Sat 14/8/21	22 days 0.5 da	ays 642,643,645	$+\parallel\parallel\parallel\parallel$						
7	Prepare AIP for Temporary Building Works (i.e. temporary management office and			75 days	0%	Mon 3/8/20	Fri 16/10/20		NA	Thu 20/8/20	Mon 2/11/20	17 days 1 day								
	repare AIP for Temporary Building works (i.e. temporary management office and toilet blocks) and ICE certification (Draft)	13 days	o uays	15 days	0 /0	1V1OH 3/0/20	111 10/10/20	NA.	IVA	1 11u 20/0/20	191011 2/11/20	17 uays 1 uay	147117 T / UdyS							
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Sat 17/10/20	Wed 30/12/20	NA	NA	Tue 3/11/20	Sat 16/1/21	17 days 0 day	s 647							
)	Prepare AIP for Temporary Building Works (i.e. temporary management office and toilet blocks) and ICE certification (Final)	30 days	0 days	30 days	0%	Thu 31/12/20	Fri 29/1/21	NA	NA	Sun 17/1/21	Mon 15/2/21	17 days 0 day	s 633,634,648,64	0						
)	Prepare DDA for AIP for Temporary Building Works (i.e. temporary management office and toilet blocks) and ICE (Include E&M Provision Works) and ICE certification (Draft)	150 day	s 0 days	150 days	0%	Fri 2/10/20	Sun 28/2/21	NA	NA	Mon 19/10/20	Wed 17/3/21	17 days 1 day	633,640,649FF- days,151FF+15 days							
	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Mon 1/3/21	Fri 14/5/21	NA	NA	Thu 18/3/21	Mon 31/5/21	17 days 0.5 da	ays 649,650							
52	Prepare DDA for AIP for Temporary Building Works (i.e. temporary management office and toilet blocks) and ICE (Final)	30 days	0 days	30 days	0%	Sat 15/5/21	Sun 13/6/21	NA	NA	Tue 1/6/21	Wed 30/6/21	17 days 0 day	s 651							
53	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Mon 14/6/21	Sat 11/9/21	NA	NA	Thu 1/7/21	Tue 28/9/21	17 days 0 day	s 652			T				
le Roy 1	Prog with Progress Task	Summary			Inactive N	filestone \diamondsuit		Duration-or	ıly		Start-only	Е	Ext	temal Milestone	. 🔷		Critical Sp	əlit		
iie: Rev. i s of 22-M	Split	Project Sur	nmary		Inactive S	ummary		Manual Su	nmary Rollup		Finish-only	3	Dea	adline	4		Progress			



								ract No. ED/																		
Та	sk Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 O2 C)3 Q4	01	2021 Q2 0		04 0		2022 2 03	3 Q4	. 01	2023	23 Q4
96	Section 6	0 days	0 days	0 days	0%	Thu 18/5/23	Thu 18/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	12 days	0 days	1357FF,1546FF,											18/5	<u> </u>
597	Section 7	0 days	0 days	0 days	0%	Wed 29/5/24	Wed 29/5/24	NA	NA	Wed 29/5/24	Wed 29/5/24	0 days	0 days	1549FF												
98	Section 8	0 days	0 days	0 days	0%	Wed 24/11/21	Wed 24/11/21	NA	NA	Thu 2/12/21	Thu 2/12/21	8 days	0 days	1144FF						≪ -24/1						
599	Section 9	0 days	0 days	0 days	0%	Sat 3/7/21	Sat 3/7/21	NA	NA	Mon 5/7/21	Mon 5/7/21	2 days	0 days	1222					3/7							
700	Section 10	0 days	0 days	0 days	0%	Thu 11/5/23	Thu 11/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	19 days	0 days	1559FF											11/5	
701	KD1	0 days	0 days	0 days	0%	Tue 11/8/20	Tue 11/8/20	NA	NA	Fri 7/8/20	Fri 7/8/20	-4 days	0 days	758		11/8										
702	KD2		0 days	0 days	0%	Sat 17/4/21	Sat 17/4/21	NA	NA	Sun 18/4/21	Sun 18/4/21		0 days	791,821,771,774				1794								
703	KD3		0 days	0 days	0%	Mon 26/4/21	Mon 26/4/21		NA	Tue 1/6/21	Tue 1/6/21	36 days		822,821												
704	KD4						Fri 28/1/22			Mon 31/1/22				1255FF				2.014			200					
			0 days	0 days	0%	Fri 28/1/22			NA		Mon 31/1/22	3 days									26/1					
705	KD5		0 days	0 days	0%	Fri 25/6/21		NA	NA	Fri 17/9/21	Fri 17/9/21	84 days		1252FF				N Total)/ 6							
706	KD6	0 days	0 days	0 days	0%	Tue 21/12/21	Tue 21/12/21	NA	NA	Wed 29/12/21	Wed 29/12/21		0 days	883						21	12					
07	KD7	0 days	0 days	0 days	0%	Thu 19/8/21	Thu 19/8/21	NA	NA	Fri 3/6/22	Fri 3/6/22	288 days	0 days	1254FF					44 19/8							
08 C	onstruction Works	1499 day	s 75.67 days	1423.33 days?	0%	Thu 16/5/19	Wed 29/5/24	Thu 16/5/19	NA	Thu 16/5/19	Wed 29/5/24	0 days?										_		#		
709	Procurement of Materials and Equipments	615 days	12.7 days	602.3 days	0%	Thu 8/8/19	Wed 1/9/21	Thu 8/8/19	NA	Thu 8/8/19	Tue 22/2/22	140 days	3						71							
10	Office Accommodation	21 days	21 days	0 days	100%	Thu 8/8/19	Fri 20/12/19	Thu 8/8/19	Fri 20/12/19	Thu 8/8/19	Fri 20/12/19	0 days	1 day													
711	Lift Submission Preparation	15 days	0 days	15 days	0%	Sat 12/9/20	Sat 26/9/20	NA	NA	Wed 23/9/20	Wed 7/10/20	11 days	0.5 days	173												
12	Lift Comment & Approval	21 days	0 days	21 days	0%	Sun 27/9/20	Sat 17/10/20	NA	NA	Thu 8/10/20	Wed 28/10/20	11 days	0.5 days	711												
13	Lifts ((5 nos)	180 days	0 davs	180 days	0%	Sun 18/10/20	Thu 15/4/21	NA	NA	Thu 29/10/20	Mon 26/4/21	11 days	30 days	712										Щ		
714	Pumps for Pump Room next to Underpass	150 days		150 days	0%	Sat 23/5/20	Thu 19/11/20		NA	Wed 8/7/20	Tue 5/1/21	37 days														
15					0%	Mon 14/9/20			NA			117 days														
	Elevated landscape deck soffit panels	120 days		120 days				NA		Thu 4/2/21	Mon 5/7/21															
16	Underpass & Depressed Rd - facades	120 days		120 days	0%	Tue 1/12/20	Thu 29/4/21		NA	Wed 12/5/21	Mon 4/10/21	129 days														
17	E & M equipment & fittings (for Open space & Promenade)	120 days	0 days	120 days	0%	Tue 6/4/21	Fri 27/8/21	NA	NA	Mon 27/9/21	Tue 22/2/22	144 days	30 days									htt				
18	Bridge Parapet Fabrication	120 days	0 days	120 days	0%	Mon 16/11/20	Mon 15/3/21	NA	NA	Wed 26/5/21	Wed 22/9/21	191 days	30 days													
19	Pumps for Salt and Sewage Pumping Stations	150 days	0 days	150 days	0%	Mon 5/4/21	Wed 1/9/21	NA	NA	Sun 19/9/21	Tue 15/2/22	167 days	30 days													
20	Excavation Permit	300 days	0 days	300 days	0%	Mon 31/8/20	Thu 2/9/21	NA	NA	Mon 23/11/20	Tue 1/3/22	69 days							7							
721	TTA Application for Junction Modification Rd L6 & D2	182 days	0 days	182 days	0%	Tue 1/9/20	Mon 1/3/21	NA	NA	Mon 23/11/20	Sun 23/5/21	83 days	2 days													
22	Interfaced DCS 3 x DN150mm chilled water pipes under contract no. 2852EM17A and 4 nos. of signaling cable along North Approach Ramp and Gate 3B (Agreed)	368 days	0 days	368 days	0%	Mon 31/8/20	Thu 2/9/21	NA	NA	Sat 27/2/21	Tue 1/3/22	180 days	3 day						-							
23	Section 1	842 days	107.17 days	734.83 days	0%	Thu 16/5/19	Mon 14/3/22	Thu 16/5/19	NA	Thu 16/5/19	Wed 29/5/24	657 days	3													
24	Agree Interface Coordination Plan with CKR & KTSP	14 days	14 days	0 days	100%	Tue 27/8/19	Wed 11/9/19	Tue 27/8/19	Wed 11/9/19	Tue 27/8/19	Wed 11/9/19	0 days	0 days	1225,1226												
25	Ground Investigation	341 days	193.02 days	147.98 days	0%	Thu 12/9/19	Thu 5/11/20	Thu 12/9/19	NA	Thu 12/9/19	Sat 13/8/22	526 days	3													
26	GI Work	318 days	180 days	138 days	57%	Thu 12/9/19	Thu 5/11/20	Thu 12/9/19	NA	Thu 12/9/19	Sat 13/8/22	526 days	0.5 days	724												
27	Part 1 - Junction Modification Rd L6 & D2	414 days		414 days	0%	Mon 5/10/20	Fri 25/2/22		NA	Mon 23/11/20		3 days														
28	XP Application for Junction Modification Rd L6 & D2	182 days	_	182 days	0%	Mon 5/10/20		NA	NA	Mon 23/11/20			1 day			'										
												49 days		4 44 005 004 000												
29	Stage 1: Trial Pit to locate the existing underground cables and utilities	14 days		14 days	0%	Thu 20/5/21		NA	NA	Mon 24/5/21	Tue 8/6/21		1 day	141,375,721,728												
30	Stage 2: Trial Pit to locate the existing underground cables and utilities	14 days	0 days	14 days	0%	Sat 5/6/21	Tue 22/6/21		NA	Wed 9/6/21	Fri 25/6/21	3 days	1 day	729												
31	Stage 3: East Bound + Drop Kerb Modification + Road Marking	76 days	0 days	76 days	0%	Wed 23/6/21	Mon 20/9/21	NA	NA	Sat 26/6/21	Fri 24/9/21	3 days	1 day	730												
732	Stage 4: TTA for Central Divider	76 days	0 days	76 days	0%	Tue 21/9/21	Tue 21/12/21	NA	NA	Sat 25/9/21	Fri 24/12/21	3 days	1 day	731,113												
33	Stage 5: Construct 2 Dividers	51 days	0 days	51 days	0%	Wed 22/12/21	Fri 25/2/22	NA	NA	Tue 28/12/21	Tue 1/3/22	3 days	1 day	732												
34	Bridge D3 (Approach Ramp and Bridge) CH1087-1444.7	812 days	91.74 days	720.26 days	0%	Thu 16/5/19	Mon 7/2/22	Thu 16/5/19	NA	Mon 11/11/19	Wed 29/5/24	687 days	3								 					
35	North Approach Ramp	636 days	66.85 days	569.15 days	0%	Wed 25/12/19	Fri 18/2/22	Wed 25/12/19	NA	Wed 25/12/19	Tue 1/3/22	9 days		_	+ + + + + + + + + + + + + + + + + + +											
36	Procurement of Movement Joints for Bridge Works	180 days	0 days	180 days	0%	Tue 11/8/20	Sat 6/2/21	NA	NA	Fri 9/10/20	Tue 6/4/21	59 days	30 days	194,220		-										
37	Sheetpile Driven along North, Sourth & East Side ELS Cofferdam (assume 169	4 days		0 days	100%	Tue 14/1/20	Fri 17/1/20	Tue 14/1/20		Tue 14/1/20	Fri 17/1/20	0 days														
738	long) KTSP Completed Driven H-pile Installation		41 days	0 days	100%	Wed 25/12/19				Wed 25/12/19	Mon 3/2/20	0 days														
			-										0.5.3	729												
739	Hoarding Removal along KTSP Site	5 days	3 days	0 days	100%	Tue 4/2/20	Sat 8/2/20	Tue 4/2/20	Sat 8/2/20	1 ue 4/2/20	Sat 8/2/20	0 days	0.5 day	/58												
	T1.	C			Tanad 33	ilactors A		D	lu.		Ctant 1		г	Р.	1 M:1	no ^				anl C-1'						
	.11 Prog with Progress	Summary Project Sum	nmary		Inactive M Inactive Su			Duration-on Manual Sun	ly 🔠 nmary Rollup 🕳		Start-only Finish-only]	Externa Deadlin	al Milestoi ne	ne 🔷				cal Split gress						
of 22-	May-20 Milestone	Inactive Tas			Manual Ta			Manual Sun			External Tas	1.		Critica		_				ual Progra						

							Con	tract No. ED,	/2018/01 KI	D Project													_
Task Nam	ne	Duration	n Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020	Q3 Q4	2021 O1 O2 O	3 04	Q1 Q2	2022	04	Q1 Q2	2023
740	Sheetpile Driven along Western ELS Cofferdam (assume 105m long)	8 days	8 days	0 days	100%	Tue 11/2/20	Wed 19/2/20	Tue 11/2/20	Wed 19/2/20	Tue 11/2/20	Wed 19/2/20	0 days	0.5 day	737,739	1 1	<u>~ Q4</u>	X	. 24	V1 V2		74	X1 V2	
741	Excavattion with Shoring and Waling Installation with Rock Fill Replacement include Sand Raplacement Test with PWRL for KD1	44 days	44 days	0 days	100%	Thu 20/2/20	Wed 15/4/20	Thu 20/2/20	Wed 15/4/20	Thu 20/2/20	Wed 15/4/20	0 days	1 day										
742	Remaining Excavation with Shoring and Waling Installation with Rock Fill Replacement include Sand Raplacement Test with PWRL	37 days	0 days	37 days	0%	Tue 6/10/20	Wed 18/11/20) NA	NA	Tue 13/10/20	Wed 25/11/20	6 days	2 days	741,761									
743	North Approach Ramp (Bays No.2,3,4&5) (Next to BEM) (KD1)	106 days	s 34.01 days	71.99 days	0%	Wed 1/4/20	Tue 11/8/20	Wed 1/4/20	NA	Wed 1/4/20	Fri 7/8/20	-3 days				ı							4
744	Bay No.3 Base Slab with Blinding (1)+(2)	15 days	15 days	0 days	100%	Wed 1/4/20	Wed 22/4/20	Wed 1/4/20	Wed 22/4/20	Wed 1/4/20	Wed 22/4/20	0 days	0.5 days	741SS+35 day	's								
745	Bay No.3: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former	er) 42 days	22 days	20 days	45%	Wed 22/4/20	Thu 11/6/20	Wed 22/4/20	NA	Wed 22/4/20	Thu 11/6/20	-3 days		744									
746	May 2020 Inclement Weather	3 days	0 days	3 days	0%	Fri 12/6/20	Mon 15/6/20	NA	NA	Tue 9/6/20	Thu 11/6/20	-3 days		745,74SS									
747	Bay No. 3: Wall & Column Casted and Formwork & Falsework upto Soffit (Top Slab(6)+(7)	of 15 days	0 days	15 days	0%	Tue 16/6/20	Sat 4/7/20	NA	NA	Fri 12/6/20	Tue 30/6/20	-3 days	1 day	745,746									4
748	Bay No. 3: Top Slab Construction with Formwork & Falsework Erection(8)	12 days	0 days	12 days	0%	Mon 6/7/20	Sat 18/7/20	NA	NA	Thu 2/7/20	Wed 15/7/20	-3 days	1 day	747									
749	Bay No.2 Base Slab with Blinding (1)+(2)	11 days	11 days	0 days	100%	Tue 28/4/20	Tue 12/5/20	Tue 28/4/20	Tue 12/5/20	Tue 28/4/20	Tue 12/5/20	0 days	1 day	741FS+2 days									
750	Bay No.2: Wall & Column with Soffit (upto +4.6mPD) (include Wall Formed)	er) 23 days	6 days	17 days	25%	Sat 16/5/20	Thu 11/6/20	Sat 16/5/20	NA	Sat 16/5/20	Thu 11/6/20	-1 day	1 day	749									4
751	(3)+(4)+(5) Bay No. 2: Wall & Column Casted and Formwork & Falsework upto Soffit	of 18 days	0 days	18 days	0%	Fri 12/6/20	Sat 4/7/20	NA	NA	Thu 11/6/20	Fri 3/7/20	-1 day	1 day	750									1
752	Top Slab (6)+(7) Bay No. 2: Top Slab Construction with Formwork & Falsework Erection(8)	12 days	0 days	12 days	0%	Wed 8/7/20	Tue 21/7/20	NA	NA	Sat 4/7/20	Fri 17/7/20	-3 days	1 day	751,748FF+2	$-\parallel \parallel \parallel$								
753	Bay No.4 Base Slab with Blinding (1)+(2)	15 days	15 days	0 days	100%	Wed 1/4/20	Wed 13/5/20	Wed 1/4/20	Wed 13/5/20	Wed 1/4/20	Wed 13/5/20	0 days	1 day	days 741SS+35 day	'S III								
754	Bay No.4: Wall & Column with Soffit (upto +4.6mPD) (include Wall Forme			14 days	36%	Thu 14/5/20	Tue 9/6/20	Thu 14/5/20	NA	Thu 14/5/20	Tue 9/6/20	-3 days		753,750SS+7									
755	(3)+(4)+(5) Bay No. 4: Wall & Column Casted and Formwork & Falsework upto Soffit			20 days	0%	Wed 10/6/20		NA	NA	Sat 6/6/20	Tue 30/6/20	-3 days		days 754									
756	Top Slab (6)+(7) Bay No. 4: Top Slab Construction with Formwork & Falsework Erection (8)			14 days	0%	Mon 6/7/20	Tue 21/7/20		NA	Thu 2/7/20	Fri 17/7/20		1 day	755,751SS+4									
757	Backfill (9)	12 days		12 days	0%	Wed 22/7/20		NA	NA	Sat 18/7/20	Fri 31/7/20			days 756,752,748	- 17								
758	Sheetpile Extraction and Road Reinstatement (10) (KD1)		0 days	6 days	0%	Wed 5/8/20	Tue 11/8/20		NA	Sat 1/8/20	Fri 7/8/20		0.5 days										1
759	North Approach Ramp (Bays No.5 & 6) (Next to BEM)		0 days	92 days	0%	Mon 24/8/20	Mon 23/11/20		NA	Thu 27/8/20	Thu 17/12/20	3 days	0.5 days	131									4
760	Bay No.5 Base Slab with Blinding (1+2)			8 days	0%	Thu 10/9/20	Fri 18/9/20		NA NA	Mon 14/9/20	Tue 22/9/20	3 days	1 day	749,753SS+4	dat	" 							
761					0%	Sat 19/9/20	Mon 5/10/20		NA NA	Wed 23/9/20	Thu 8/10/20			760	ua								1
	Bay No.5: Wall & Column with Soffit (upto +4.6mPD) (include Wall Forme (3+4+5)			12 days								3 days											
762	Bay No. 5: Wall & Column Casted and Formwork & Falsework upto Soffit (Top Slab (6)+(7)			20 days	0%	Tue 6/10/20	Thu 29/10/20		NA	Fri 9/10/20	Mon 2/11/20	3 days		761,755SS+4 days									1
763	Bay No. 5: Top Slab Construction with Formwork & Falsework Erection & Removal (8)			12 days	0%	Fri 30/10/20	Thu 12/11/20		NA	Tue 3/11/20	Mon 16/11/20			762,227FF									1
764	Bay No.6 Base Slab with Blinding (1)+(2)		0 days	15 days	0%	Mon 24/8/20	Wed 9/9/20		NA	Thu 27/8/20	Sat 12/9/20	3 days		741SS+35 day	'S								1
765	Bay No.6: Wall & Column with Soffit (upto +4.6mPD) (include Wall Forme (3)+(4)+(5)			17 days	0%	Thu 10/9/20	Tue 29/9/20		NA	Wed 7/10/20	Tue 27/10/20			764									1
766	Bay No. 6: Wall & Column Casted and Formwork & Falsework upto Soffit (Top Slab(6)+(7)			27 days	0%	Wed 30/9/20	Tue 3/11/20		NA	Wed 28/10/20	Fri 27/11/20	21 days		765									1
767	Bay No. 6: Top Slab Construction with Formwork & Falsework Erection & Removal (8)	17 days	0 days	17 days	0%	Wed 4/11/20	Mon 23/11/20) NA	NA	Sat 28/11/20	Thu 17/12/20	21 days	1 day	765,766									1
768	North Approach Ramp (Bays 7&8) (Next to BEM)	56 days	0 days	56 days	0%	Tue 26/1/21	Wed 7/4/21	NA	NA	Tue 26/1/21	Sat 17/4/21	0 days											1
769	Bay 7: Blinding	1 day	0 days	1 day	0%	Tue 26/1/21	Tue 26/1/21	NA	NA	Tue 26/1/21	Tue 26/1/21	0 days	0.5 days	816,767			1						1
770	Bay 7: Base slab	9 days	0 days	9 days	0%	Wed 27/1/21	Fri 5/2/21	NA	NA	Wed 27/1/21	Fri 5/2/21	0 days	1 day	816,769			<u>K</u>						1
771	Bay 7: Wall	13 days	0 days	13 days	0%	Sat 6/2/21	Wed 24/2/21	NA	NA	Wed 31/3/21	Sat 17/4/21	42 days	1 day	819,770	7								
772	Bay 8: Blinding	1 day	0 days	1 day	0%	Wed 27/1/21	Wed 27/1/21	NA	NA	Fri 5/2/21	Fri 5/2/21	8 days	0.5 days	769	7		Ĭ						
773	Bay 8: Base slab	9 days	0 days	9 days	0%	Sat 6/2/21	Fri 19/2/21	NA	NA	Sat 6/2/21	Fri 19/2/21	0 days	1 day	816,770,772			K						
774	Bay 8: Wall	13 days	0 days	13 days	0%	Sat 20/2/21	Sat 6/3/21	NA	NA	Sat 20/2/21	Sat 6/3/21	0 days	1 day	773,819	$\parallel \parallel \parallel$								
775	Bays No.7&8: Backfilling	15 days	0 days	15 days	0%	Mon 8/3/21	Wed 24/3/21	NA	NA	Thu 18/3/21	Wed 7/4/21	9 days	1 day	774,767	$\parallel \parallel \parallel$								
776	Bays No.7&8: Extract Sheetpile	9 days	0 days	9 days	0%	Thu 25/3/21	Wed 7/4/21	NA	NA	Thu 8/4/21	Sat 17/4/21	9 days	0.5 days	775	$\parallel \parallel \parallel$								
777	North Approach Ramp (Bays No.2,3,4) (Next to KTSP)	149 days	s 0 days	149 days	0%	Mon 17/8/20	Tue 12/1/21	NA	NA	Tue 25/8/20	Fri 5/2/21	8 days			$\parallel \parallel \parallel$								
778	Bay No.3 Base Slab with Blinding (1)+(2)	15 days	0 days	15 days	0%	Mon 24/8/20	Wed 9/9/20	NA	NA	Tue 1/9/20	Thu 17/9/20	7 days	1 day		$\parallel \parallel \parallel$								
779	Bay No.3: Wall & Column with Soffit (upto +4.6mPD) (include Wall Forme	er) 17 days	0 days	17 days	0%	Thu 10/9/20	Tue 29/9/20	NA	NA	Wed 7/10/20	Tue 27/10/20	21 days	1 day	778	$\parallel \parallel \parallel$								
780	(3)+(4)+(5) Bay No. 3: Wall & Column Casted and Formwork & Falsework upto Soffit	of 27 days	0 days	27 days	0%	Wed 30/9/20	Tue 3/11/20	NA	NA	Wed 28/10/20	Fri 27/11/20	21 days	1 day	779	$\parallel \parallel \parallel$								
781	Top Slab(6)+(7) Bay No. 3: Top Slab Construction with Formwork & Falsework Erection &			17 days	0%	Wed 4/11/20	Mon 23/11/20			Sat 28/11/20	Thu 17/12/20			779,780	$\parallel \parallel \parallel$								
782	Removal (8) Bay No.2 Base Slab with Blinding (1)+(2)		0 days	15 days	0%	Mon 17/8/20	Wed 2/9/20		NA	Tue 25/8/20		7 days		778FS-21 days									
783	Bay No.2: Wall & Column with Soffit (upto +4.6mPD) (include Wall Forme			17 days	0%	Thu 3/9/20	Tue 22/9/20		NA	Wed 7/10/20	Tue 27/10/20			782									
	(3)+(4)+(5)		o unyo	1, days			1 40 221 71 20			7.00 1/10/20		21 days	. i day										<u></u>
	og with Progress	Summary Project Sur	mmary		Inactive M Inactive Su			Duration-or	nly mmary Rollup		Start-only Finish-only		C 3		xternal Milesto eadline	ne 💠		Critical Spli Progress	lit				
s of 22-May-	20 Split Milestone	Inactive Ta		•	Manual Ta			Manual Sur			External Tasl	len.	-		ritical	_		Manual Pro	ogrece			_	

									2018/01 KT											
Task Name		Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2 Q3 Q	04 01	2021 Q2 Q3	04 01	2022 Q2 Q3 Q4	4 Q1
84	Bay No. 2: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab(6)+(7)	27 days		27 days	0%	Wed 23/9/20	Tue 27/10/20	NA	NA	Wed 28/10/20	Fri 27/11/20	27 days	1 day	783		ξ [†]	χ <u>ε</u> Q ₃			1 61
85	Bay No. 2: Top Slab Construction with Formwork & Falsework Erection &	17 days	0 days	17 days	0%	Wed 28/10/20	Mon 16/11/20	NA	NA	Sat 28/11/20	Thu 17/12/20	27 days	1 day	783,784						
86	Removal (8) Bay No.4 Base Slab with Blinding (1)+(2)	15 days	0 days	15 days	0%	Tue 18/8/20	Thu 3/9/20	NA	NA	Wed 26/8/20	Fri 11/9/20	7 days	1 day	782SS+1 day	•					
87	Bay No.4: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former			17 days	0%	Fri 4/9/20	Wed 23/9/20	NA	NA	Sat 12/9/20	Sat 3/10/20		1 day	786						
88	(3)+(4)+(5) Bay No. 4: Wall & Column Casted and Formwork & Falsework upto Soffit of			27 days	0%	Thu 24/9/20	Wed 28/10/20		NA	Mon 5/10/20	Thu 5/11/20			787						
	Top Slab(6)+(7)		,																	
89	Bay No. 4: Top Slab Construction with Formwork & Falsework Erection & Removal (8)			17 days	0%	Thu 29/10/20			NA	Fri 6/11/20	Wed 25/11/20			787,788						
90	Bay No.2,3&4: Backfilling upto +3.0mPD	28 days	0 days	28 days	0%	Tue 24/11/20	Mon 28/12/20	NA	NA	Fri 18/12/20	Fri 22/1/21	21 days	1 day	789,785,781,767						
91	Bay No.4: Sheetpile Extraction (KD2)	12 days	0 days	12 days	0%	Tue 29/12/20	Tue 12/1/21	NA	NA	Sat 23/1/21	Fri 5/2/21	21 days	0.5 days	790						
92	North Approach Ramp (Bays No.5,6) (Next to KTSP)	141 days	0 days	141 days	0%	Wed 18/11/20	Wed 7/4/21	NA	NA	Thu 26/11/20	Sat 10/4/21	3 days					1			
93	Bay No.5 Base Slab with Blinding (1)+(2)	15 days	0 days	15 days	0%	Mon 23/11/20	Wed 9/12/20	NA	NA	Thu 26/11/20	Sat 12/12/20	3 days	1 day	741SS+35 days,		*				
94	Bay No.5: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former) 17 days	0 days	17 days	0%	Thu 10/12/20	Thu 31/12/20	NA	NA	Mon 14/12/20	Tue 5/1/21	3 days	1 day	793		*				
95	(3)+(4)+(5) Bay No. 5: Wall & Column Casted and Formwork & Falsework upto Soffit of	27 days	0 days	27 days	0%	Sat 2/1/21	Tue 2/2/21	NA	NA	Wed 6/1/21	Fri 5/2/21	3 days	1 day	794		.				
96	Top Slab(6)+(7) Bay No. 5: Top Slab Construction with Formwork & Falsework Erection &	-		17 days	0%	Wed 3/2/21	Thu 25/2/21		NA	Sat 6/2/21	Mon 1/3/21		-	794,795,791						
	Removal (8)																			
97	Bay No.6 Base Slab with Blinding (1)+(2)	15 days		15 days	0%		Fri 4/12/20		NA	Thu 26/11/20	Sat 12/12/20	7 days		789						
98	Bay No.6: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former) (3)+(4)+(5)	17 days	0 days	17 days	0%	Sat 5/12/20	Thu 24/12/20	NA	NA	Mon 14/12/20	Tue 5/1/21	7 days	1 day	797						
99	Bay No. 6: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab(6)+(7)	27 days	0 days	27 days	0%	Mon 28/12/20	Thu 28/1/21	NA	NA	Wed 6/1/21	Fri 5/2/21	7 days	1 day	798						
00	Bay No. 6: Top Slab Construction with Formwork & Falsework Erection &	17 days	0 days	17 days	0%	Fri 29/1/21	Sat 20/2/21	NA	NA	Sat 6/2/21	Mon 1/3/21	7 days	1 day	798,799						
01	Removal (8) Bay No.5&6: Backfilling upto +3.0mPD	26 days	0 days	26 days	0%	Fri 26/2/21	Sat 27/3/21	NA	NA	Tue 2/3/21	Wed 31/3/21	3 days	1 day	790,800,796						
02	Bay No.5&6: Sheetpile Extraction (KD2)	6 days		6 days	0%	Mon 29/3/21	Wed 7/4/21	NA	NA	Thu 1/4/21	Sat 10/4/21		0.5 days	801.791						
													augo	-34,771						
	North Approach Ramp (Bays 7&8) (Next to KTSP)	79 days		79 days	0%	Fri 29/1/21		NA	NA	Thu 11/2/21	Sat 17/4/21	0 days	0.5.	246 505						
04	Bay 7: Base slab	9 days	0 days	9 days	0%	Fri 29/1/21	Mon 8/2/21	NA	NA	Thu 11/2/21	Wed 24/2/21	11 days	0.5 days	816,799						
05	Bay 7: Wall	12 days	0 days	12 days	0%	Mon 8/3/21	Sat 20/3/21	NA	NA	Mon 8/3/21	Sat 20/3/21	0 days	1 day	804,819,774						
06	Bay 8: Base slab	9 days	0 days	9 days	0%	Tue 9/2/21	Mon 22/2/21	NA	NA	Thu 25/2/21	Sat 6/3/21	11 days	0.5 days	804,816						
7	Bay 8: Wall	12 days	0 days	12 days	0%	Tue 23/2/21	Mon 8/3/21	NA	NA	Mon 8/3/21	Sat 20/3/21	11 days	1 day	806,819						
)8	Bays No.7&8: Backfilling	15 days	0 days	15 days	0%	Mon 22/3/21	Sat 10/4/21	NA	NA	Mon 22/3/21	Sat 10/4/21	0 days	1 day	807,805						
)9	Bays No.7&8: Extract Sheetpile		0 days	6 days	0%	Mon 12/4/21	Sat 17/4/21	NA	NA	Mon 12/4/21	Sat 17/4/21		-	808,801,802			.			
		77 days		77 days	0%	Mon 19/4/21	Wed 21/7/21		NA	Thu 23/9/21	Tue 14/12/21		·	718						
	Furniture																			
11	CH1087-1189: Parapet (28m per day per team) x 1 team + 6 day concreting			23 days	0%	Mon 19/4/21	Sat 15/5/21		NA	Thu 23/9/21	Thu 21/10/21	130 days	-	809,776,821						
12	CH1087-1189: Central Median and Utilties Trough (6m per day per team) x 1 team	25 days	0 days	25 days	0%	Thu 27/5/21	Fri 25/6/21	NA	NA	Fri 22/10/21	Fri 19/11/21	122 days	1 day	811,236						
13	CH1087-1189: Road Furniture	21 days	0 days	21 days	0%	Sat 26/6/21	Wed 21/7/21	NA	NA	Sat 20/11/21	Tue 14/12/21	122 days	3 days	812,358						
14	North Approach Ramp: Bay No. 1	135 days	0 days	135 days	0%	Fri 14/8/20	Mon 25/1/21	NA	NA	Fri 14/8/20	Mon 25/1/21	0 days								
15	Bay 1: Base slab	27 days	0 days	27 days	0%	Fri 14/8/20	Mon 14/9/20	NA	NA	Fri 14/8/20	Mon 14/9/20	0 days	0.5 days	834						
16	Bay 1: Wall	83 days		83 days	0%	Fri 16/10/20	Mon 25/1/21	NA	NA	Fri 16/10/20	Mon 25/1/21	0 days	3 days	819						
	Part 3G - CH1189.4 to CH1229 North Abutment	180 days		180 days	0%	Tue 15/9/20	Mon 26/4/21		NA	Tue 15/9/20	Mon 26/4/21		-							
												1								
18	North Abutment	180 days		180 days	0%	Tue 15/9/20	Mon 26/4/21		NA	Tue 15/9/20	Mon 26/4/21	0 days								
19	North Abutment - Base Slab	25 days		25 days	0%	Tue 15/9/20	Thu 15/10/20	NA	NA	Tue 15/9/20	Thu 15/10/20	0 days	1 day	815						
20	North Abutment Wall (3.85m thk)	37 days	0 days	37 days	0%	Tue 26/1/21	Fri 12/3/21	NA	NA	Tue 26/1/21	Fri 12/3/21	0 days	1 day	816						
21	North Abutment Wall (0.5m thk) (KD2) (KD3)	28 days	0 days	28 days	0%	Sat 13/3/21	Sat 17/4/21	NA	NA	Sat 13/3/21	Sat 17/4/21	0 days	1 day	820						
22	Install bridge bearing	7 days	0 days	7 days	0%	Mon 19/4/21	Mon 26/4/21	NA	NA	Mon 19/4/21	Mon 26/4/21	0 days	0.5 days	821,736						
23	At Grade Road Works CH1000-2124	157 days	o days	157 days	0%	Tue 10/8/21	Fri 18/2/22	NA	NA	Thu 4/11/21	Tue 1/3/22	9 days								
24	CH1000-1087 At grade road works	60 days		60 days	0%	Tue 10/8/21	Thu 21/10/21			Wed 15/12/21	Tue 1/3/22	106 days	1 dav	776,809,332,341						
													-							
25	CH1444.7-1560 At grade road works	45 days		45 days	0%		Fri 18/2/22		NA	Wed 5/1/22	Tue 1/3/22	9 days		1293,826,219						
26	Ch2050 to 2124: At grade road works	50 days	0 days	50 days	0%	Mon 25/10/21	Tue 21/12/21	NA	NA	Thu 4/11/21	Tue 4/1/22	9 days	1 day	1438,219						
27 Brid	lge D3 Bored Pile	17 days	17 days	0 days	0%	Tue 19/11/19	Thu 5/12/19	Tue 19/11/19	Thu 5/12/19	Tue 19/11/19	Thu 5/12/19	0 days								
28	Pre-drilling Works	15 days	15 days	0 days	100%	Tue 19/11/19	Thu 5/12/19	Tue 19/11/19	Thu 5/12/19	Tue 19/11/19	Thu 5/12/19	0 days	0.5 day							
	Task	Summary			Inactive M	ilestone 🔷		Duration-on	lv		Start-only		г	Evtore	al Milestone	*		Critical Split	<u> </u>	
le: Rev.11 Prog	with Progress	Summary Project Sur	nmary		Inactive Su				nmary Rollup 🕳		Finish-only]	Deadli		•		Progress		
of 22-May-20		Inactive Ta			Manual Ta	sk		Manual Sun	nmary P		External Tasl	ke		Critical				Manual Progress		

									/2018/01 KT													
Task Na	ame	Duration	n Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2 Q3	3 Q4 Q	021 Q3 Q	Q4 O1	202 Q2	4 01	2023 Q2 Q3	04
29	Part 3C - CH1229 to CH1279	823 day	s? 137.51 days	685.49 days?	0%	Thu 16/5/19	Sat 19/2/22	Thu 16/5/19	NA	Mon 11/11/19	Wed 29/5/24	676 da										_ <
30	Abutment A01 Piling	0 days	0 days	0 days	0%	Thu 16/5/19	Thu 16/5/19	NA	NA	Wed 29/5/24	Wed 29/5/24	1841 d										
831	CH1189: Bored Pile (A01-BP1) by Rig 1(Contractor Bear DDA Approval Risk)	61 days	40 days	21 days	66%	Tue 31/3/20	Tue 16/6/20	Tue 31/3/20	NA	Tue 31/3/20	Tue 16/6/20	0 days	1 day	839								
832	CH1189: Bored Pile (A01-BP2) by Rig 1 (Contractor Bear DDA Approval Risk	29 days	29 days	0 days	100%	Mon 13/4/20	Tue 19/5/20	Mon 13/4/20	Tue 19/5/20	Mon 13/4/20	Tue 19/5/20	0 days	1 day		[┿]							
333	Abutment A01: Pile Testing (28d curing & 14 test) - 1 full-core to be carried out	t 37 days	0 days	37 days	0%	Wed 17/6/20	Fri 31/7/20	NA	NA	Wed 17/6/20	Fri 31/7/20	0 days	5 days	831,832								
834	Abutment A01: Proof-drilling Works	11 days	0 days	11 days	0%	Sat 1/8/20	Thu 13/8/20	NA	NA	Sat 1/8/20	Thu 13/8/20	0 days	2 day	833								
835	Mobilization of plant and material	6 days	6 days	0 days	100%	Mon 11/11/19	Sat 16/11/19	Mon 11/11/19	Sat 16/11/19	Mon 11/11/19	Sat 16/11/19	0 days	1 days	14,194,193	-							
336	CH1229: Pre-drilling Works	21 days	21 days	0 days	100%	Tue 19/11/19	Thu 12/12/19	Tue 19/11/19	Thu 12/12/19	Tue 19/11/19	Thu 12/12/19	0 days	0.5 days									
337	Pier P01 Piling, Pilecap & Pier	0 days	0 days	0 days	0%	Thu 16/5/19	Thu 16/5/19	NA	NA	Wed 29/5/24	Wed 29/5/24	1841 d			-							
338	Bored pile (P01-BP2) @ CH1229 by Rig 1 (Contractor Bear DDA Approval Risk)	44 days	44 days	0 days	100%	Fri 17/1/20	Wed 11/3/20	Fri 17/1/20	Wed 11/3/20	Fri 17/1/20	Wed 11/3/20	0 days	0.5 days									
339	Bored pile (P01-BP1) @ CH1229 by Rig 1 (Contractor Bear DDA Approval Risk)	38 days	38 days	0 days	100%	Mon 24/2/20	Wed 8/4/20	Mon 24/2/20	Wed 8/4/20	Mon 24/2/20	Wed 8/4/20	0 days	0.5 days	838SS+30 days		_						
340	Pier P01: Pile Testing (18d curing & 14 test)	45 days	0 days	45 days	0%	Sat 23/5/20	Thu 16/7/20	NA	NA	Mon 6/7/20	Wed 26/8/20	35 days	3 days	839		-						
841	Pier P01: Proof-drilling Works	10 days	0 days	10 days	0%	Fri 17/7/20	Tue 28/7/20	NA	NA	Thu 27/8/20	Mon 7/9/20	35 days	1 day	839,840								
842	Pile Cap P01 @ CH1229	98 days	0 days	98 days	0%	Mon 15/6/20	Sun 11/10/20	NA	NA	Sat 29/8/20	Fri 13/11/20	28 days			 							
843	Excavation with Shoring Installation ~2600m3 Prod. Rate: 160m3/day/team	17 days	0 days	17 days	0%	Wed 29/7/20	Mon 17/8/20	NA	NA	Tue 8/9/20	Sat 26/9/20	35 days	1 day	841								
844	Pilecap - Formwork Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 15/6/20	Mon 15/6/20	NA	NA	Sat 29/8/20	Sat 29/8/20	75 days	1 day		♦ 15/6	5						
845	Pilecap - Formwork Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 15/6/20	Tue 14/7/20	NA	NA	Sat 29/8/20	Sun 27/9/20	75 days	2 days	844								
846	Pilecap structure	24 days	0 days	24 days	0%	Tue 18/8/20	Mon 14/9/20	NA	NA	Mon 28/9/20	Wed 28/10/20	35 days	1 day	845,843								
847	Backfill	14 days	0 days	14 days	0%	Tue 15/9/20	Wed 30/9/20	NA	NA	Thu 29/10/20	Fri 13/11/20	35 days	2 days	846		K						
848	Pier - Formwork Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 7/9/20	Mon 7/9/20	NA	NA	Sat 10/10/20	Sat 10/10/20	33 days	1 day			♦ 7/9						
349	Pier - Formwork Design and Method Statement Comment & Appraoval	35 days	0 days	35 days	0%	Mon 7/9/20	Sun 11/10/20	NA	NA	Sat 10/10/20	Fri 13/11/20	33 days	1 day	848								
350	Pier P01 @ CH1229	49 days	0 days	49 days	0%	Wed 28/10/20	Wed 23/12/20) NA	NA	Sat 14/11/20	Wed 13/1/21	15 days	2 days	847,211,849	-							
351	CH1269: Pre-drilling Works	30 days	30 days	0 days	0%	Wed 20/11/19	Thu 19/12/19	Wed 20/11/19	Thu 19/12/19	Wed 20/11/19	Thu 19/12/19	0 days	0.5 days	835,836								
352	Abandon the Installed defected Bored pile (P02-BP2) @ CH1269	35 days	35 days	0 days	100%	Tue 11/2/20	Sun 22/3/20	Tue 11/2/20	Sun 22/3/20	Tue 11/2/20	Sun 22/3/20	0 days	0.5 days	851	-							
53	Pier P02 Piling, Pilecap & Pier	1 day?	0 days	1 day?	0%	Thu 16/5/19	Thu 16/5/19	NA	NA	Wed 29/5/24	Wed 29/5/24	1840 d										
354	Predrilling works for Bored pile (P02-BP2)(Abandoned) @ CH1269	11 days	0 days	11 days	0%	Wed 3/6/20	Mon 15/6/20	NA	NA	Tue 9/6/20	Sat 20/6/20	5 days	0.5 days	852								
355	Casing Extraction for Abandoned P02-BP2 Bored Pile	20 days	0 days	20 days	0%	Sat 20/6/20	Wed 15/7/20	NA	NA	Mon 22/6/20	Thu 16/7/20	1 day	1 day	854								
356	Bored pile (P02-BP2)(Remedial) @ CH1269	30 days	0 days	30 days	0%	Thu 16/7/20	Wed 19/8/20	NA	NA	Fri 17/7/20	Thu 20/8/20	1 day	2 days	855,854								
857	Bored pile (P02-BP1) @ CH1269 (Contractor Bear DDA Approval Risk) (Rig 2	2) 26 days	26 days	0 days	100%	Fri 21/2/20	Sat 18/4/20	Fri 21/2/20	Sat 18/4/20	Fri 21/2/20	Sat 18/4/20	0 days	0.5 days	851								
358	Pile Testing (18d curing & 14 test)	32 days	0 days	32 days	0%	Thu 20/8/20	Fri 25/9/20	NA	NA	Wed 2/9/20	Sat 10/10/20	11 days	0.5 days	852,857,856								
859	Proof-drilling Works	9 days	0 days	9 days	0%	Sat 26/9/20	Thu 8/10/20	NA	NA	Mon 12/10/20	Wed 21/10/20	11 days	1 day	839,840,858		# I						
860	Pile Cap ELS - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 29/6/20	Mon 29/6/20	NA	NA	Tue 22/9/20	Tue 22/9/20	85 days	1 day		4 29	/6						
861	Pile Cap ELS - Temp. Works Design and Method Statement Comment &	30 days	0 days	30 days	0%	Mon 29/6/20	Tue 28/7/20	NA	NA	Tue 22/9/20	Wed 21/10/20	85 days	1 day	860	·	_						
362	Appraoval Pile Cap P02 @ CH1270	120 day	s 0 days	120 days	0%	Mon 24/8/20	Sat 16/1/21	NA	NA	Thu 22/10/20	Fri 29/1/21	11 days										
363	Drive sheetpile (~75m). Prod. Rate: 5m/day/side/team	17 days	0 days	17 days	0%	Fri 9/10/20	Thu 29/10/20	NA	NA	Thu 22/10/20	Wed 11/11/20	11 days	2 days	861,858,140,859								
364	Excavation ~1677m3 & lateral support. Prod. Rate: 100m3/day/team	18 days	0 days	18 days	0%	Fri 30/10/20	Thu 19/11/20	NA	NA	Thu 12/11/20	Wed 2/12/20	11 days	1 days	863								
365	Pilecap Formwork Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 24/8/20	Mon 24/8/20	NA	NA	Thu 12/11/20	Thu 12/11/20	80 days	1 day		-	24/8						
366	Pilecap Formwork - Design and Method Statement Comment & Appraoval	21 days	0 days	21 days	0%	Mon 24/8/20	Sun 13/9/20	NA	NA	Thu 12/11/20	Wed 2/12/20	80 days	1 day	865								
367	Pilecap structure	36 days	0 days	36 days	0%	Fri 20/11/20	Mon 4/1/21	NA	NA	Thu 3/12/20	Sat 16/1/21	11 days	1 day	866,864,863	$\left\{ \left[$							
368	Backfill and extract sheet pile	11 days	0 days	11 days	0%	Tue 5/1/21	Sat 16/1/21	NA	NA	Mon 18/1/21	Fri 29/1/21	11 days	2 day	867								
369	Pier - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 7/9/20	Mon 7/9/20	NA	NA	Thu 31/12/20	Thu 31/12/20	115 days	1 day			♦ 7/9						
370	Pier - Temp. Works Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 7/9/20	Tue 6/10/20	NA	NA	Thu 31/12/20	Fri 29/1/21	115 days	1 day	869	$\left\{ \left[$							
371	Pier P02 @ CH1270		0 days	49 days	0%	Mon 18/1/21	Thu 18/3/21			Sat 30/1/21	Wed 31/3/21	11 days		868,211,870	$\left\{ \left[$							
872	Stage 1: Bridge deck between CH1229-1311		s 0 days	340 days	0%	Mon 2/11/20			NA	Tue 19/1/21	Wed 29/12/21		-	. ,	$\left\{ \left[$							
873	Bridge Deck - Temp. Works Design and Method Statement Submission		0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20		NA	Tue 19/1/21	Tue 19/1/21	78 days	1 day			♣ 2/11						
															<u> </u>							
	Prog with Progress Task Split	Summary Project Sur	mmary		Inactive Mi	_		Duration-on Manual Sur	nly nmary Rollup		Start-only Finish-only	١	C]		emal Mileston dline	e ♦ ♣	Critic Progr	ical Split gress		 		
s of 22-May	y-20 Milestone ◆	Inactive Ta		-	Manual Tas			Manual Sur			External Tas		-	Crit		<u> </u>		ual Progress	S			

Task Name			_				_															
Task Name		Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	sh Late Start	Late Finish	Total TR Slack	A Predecessors	2020 Q2 Q3	04 01	2021	03 Q4		2022 2 Q3	04	202)23 Q3 Q4
874	Bridge Deck - Temp. Works Design and Method Statement Comment & Appraoval	35 days		35 days	0%	Mon 2/11/20	Sun 6/12/20	NA	NA	Tue 19/1/21	Mon 22/2/21	78 days 1 d	ny 873	<u> </u>	4 01						1 Q2	<u> </u>
875	CH1229-1311: Deck Falsework erection Part 1	32 days	0 days	32 days	0%	Tue 23/2/21	Wed 31/3/21	NA	NA	Tue 23/2/21	Wed 31/3/21	0 days 1 d	ay 874,922									
876	CH1229-1311: Deck Falsework erection Part 2	28 days	0 days	28 days	0%	Thu 1/4/21	Fri 7/5/21	NA	NA	Thu 1/4/21	Fri 7/5/21	0 days 3 d	nys 875,871									
877	CH1229-1311: Structure deck	50 days	0 days	50 days	0%	Wed 7/4/21	Sat 5/6/21	NA	NA	Wed 7/4/21	Sat 5/6/21	0 days 2 d	ay 475,483,736,875			*						
878	CH1229-1311: Prestressing	18 days		18 days	0%	Thu 24/6/21	Thu 15/7/21	NA	NA	Thu 24/6/21	Thu 15/7/21	0 days 0.5	day 877FS+14 days									
879	CH1229-1311: Falsework Under Main Deck Removal	12 days		12 days	0%	Fri 16/7/21	Thu 29/7/21		NA	Fri 16/7/21	Thu 29/7/21		day 878									
880	CH1229-1311: Utility Trough (0.67m per day per team) x 4 team				0%	Fri 16/7/21	Thu 7/10/21		NA	Thu 22/7/21	Wed 13/10/21											
		70 days		70 days																		
881	CH1229-1311: Central Median (6m per day per team) x 2 team	31 days		31 days	0%	Fri 16/7/21	Fri 20/8/21		NA	Sat 2/10/21		65 days 3 d										
382	CH1229-1311: Parapet (28m per day per team) x 2 team + 6x2 day concreting	g 21 days	0 days	21 days	0%	Fri 8/10/21	Tue 2/11/21		NA	Fri 15/10/21	Mon 8/11/21	5 days 3 d										
883	CH1229-1311: Removal of Falsework (KD6)	42 days	0 days	42 days	0%	Wed 3/11/21	Tue 21/12/21	NA	NA	Tue 9/11/21	Wed 29/12/21	5 days 6 d	sys 880,882,881									
884	CH1229-1311: Road Furniture	15 days	0 days	15 days	0%	Sat 21/8/21	Tue 7/9/21	NA	NA	Sat 27/11/21	Tue 14/12/21	81 days 1 d	881,358				14					
885	Part 3D - CH1279 to CH1311	196 days	0 days	196 days	0%	Mon 7/6/21	Sat 29/1/22	NA	NA	Wed 16/6/21	Fri 11/2/22	7 days										
886	Stage 1: Bridge deck between CH1269-1311	196 days	0 days	196 days	0%	Mon 7/6/21	Sat 29/1/22	NA	NA	Wed 16/6/21	Fri 11/2/22	7 days				II.		/ 				
887	CH1269-1311: Structure deck	50 days	0 days	50 days	0%	Mon 7/6/21	Thu 5/8/21	NA	NA	Wed 16/6/21	Fri 13/8/21	7 days 2 d	475,483,736,877									
388	Prestressing CH1269 - 1311 Bridge Spans	21 days	0 days	21 days	0%	Mon 23/8/21	Wed 15/9/21	NA	NA	Tue 31/8/21	Fri 24/9/21	7 days 3 d	ny 887FS+14 days				<u> </u>					
889	CH1269-1311: Utility Trough (0.67m per day per team) x 2 team	64 days	0 days	64 days	0%	Thu 16/9/21	Thu 2/12/21	NA	NA	Sat 25/9/21	Fri 10/12/21	7 days 0.5	day 888,219									
390	CH1269-1311 : Parapet (28m per day per team) x 1 team + 6 day	17 days		17 days	0%	Fri 3/12/21	Wed 22/12/2	1 NA	NA	Sat 11/12/21	Mon 3/1/22	7 days 3 d	nys 889				1					
891	concreting CH1269-1311: Central Median (6m per day per team) x 1 team	15 days		15 days	0%	Thu 23/12/21	Wed 12/1/22		NA	Wed 5/1/22	Fri 21/1/22	8 days 1 d										
892	CH1269-1311: Road Furniture	15 days		15 days	0%	Thu 13/1/22	Sat 29/1/22		NA	Sat 22/1/22	Fri 11/2/22	8 days 1 d						4				
			-										iy 071,JJ0									
393	Stage2: Bridge deck between CH1189-1229	823 days		823 days?	0%	Thu 16/5/19	Sat 19/2/22		NA	Tue 27/4/21	Wed 29/5/24	579 da										
394	CH1189-1229: Deck Falsework erection	1 day?		1 day?	0%	Thu 16/5/19	Thu 16/5/19		NA	Wed 29/5/24	Wed 29/5/24	1840 d										
895	CH1189-1229: Deck Falsework erection	22 days	0 days	22 days	0%	Tue 27/4/21	Mon 24/5/21	NA	NA	Tue 27/4/21	Mon 24/5/21	0 days 1 d	sy 850,822									
896	CH1189-1229: Structure deck	27 days	0 days	27 days	0%	Tue 25/5/21	Fri 25/6/21	NA	NA	Tue 25/5/21	Fri 25/6/21	0 days 2 d	895,475,483									
897	CH1189-1229: Prestressing	18 days	0 days	18 days	0%	Wed 14/7/21	Tue 3/8/21	NA	NA	Wed 14/7/21	Tue 3/8/21	0 days 1 d	896FS+14 days									
898	CH1189-1229: Falsework Under Main Deck Removal	15 days	0 days	15 days	0%	Wed 4/8/21	Fri 20/8/21	NA	NA	Wed 4/8/21	Fri 20/8/21	0 days 3 d	nys 878,897									
399	CH1189-1229: Utility Trough (0.67m per day per team) x 2 team	63 days	0 days	63 days	0%	Wed 4/8/21	Tue 19/10/21	NA	NA	Wed 13/10/21	Tue 28/12/21	58 days 3 d	ays 219,897				<u> </u>					
900	CH1189-1229 : Central Median (6m per day per team) x 1 team	16 days	0 days	16 days	0%	Sat 21/8/21	Wed 8/9/21	NA	NA	Fri 21/1/22	Fri 11/2/22	125 days 3 d	ny 897,881				†					
901	CH1189-1229: Parapet (28m per day per team) x 1 team + 6 day concreting	20 days	0 days	20 days	0%	Wed 3/11/21	Thu 25/11/21	l NA	NA	Mon 17/1/22	Fri 11/2/22	61 days 5 d	sy 899,882									
902	CH1189-1229: Road Furniture	15 days	0 davs	15 days	0%	Mon 31/1/22	Sat 19/2/22	NA	NA	Sat 12/2/22	Tue 1/3/22	8 days 1 d	900,892,358,901				-					
	Part 3E - CH1311 to CH1372		94.1 days	557.9 days	0%	Tue 12/11/19	Fri 21/1/22	Tue 12/11/19	NA	Tue 12/11/19	Wed 29/5/24	698 days										
904	Pre-drilling Works	31 days		0 days	0%					9 Tue 12/11/19	Tue 17/12/19		dov				1					
905	Bored pile (P03-BP1) @ CH1311 (Rig 2) (Contractor Bear DDA Design Risk)		-	0 days	100%	Tue 17/3/20	Fri 8/5/20	Tue 17/3/20		Tue 17/3/20	Fri 8/5/20	0 days 0.5		*								
906	Bored pile (P03-BP2) @ CH1311 (Contractor Bear DDA Design Risk) (Rig 2)	36 days	25 days	11 days	69%	Wed 22/4/20	Thu 4/6/20	Wed 22/4/20	NA	Wed 22/4/20	Thu 4/6/20	0 days 3 d										
907	Pile Testing (18 curing & 14 test)	35 days	0 days	35 days	0%	Sat 6/6/20	Sat 18/7/20	NA	NA	Sat 6/6/20	Sat 18/7/20	0 days 3 d	906FS+1 day,90.									
908	Proof-drilling Works	11 days	0 days	11 days	0%	Mon 20/7/20	Fri 31/7/20	NA	NA	Mon 20/7/20	Fri 31/7/20	0 days 2 d	nys 907									
909	Pile Cap P03 @ CH1311	76 days	0 days	76 days	0%	Tue 7/7/20	Mon 5/10/20	NA	NA	Fri 31/7/20	Wed 29/5/24	21 days		│ │ ┢╫╫┽								
910	Pile Cap @ CH1311 by Open Cut	46 days	0 days	46 days	0%	Sat 1/8/20	Wed 23/9/20	NA	NA	Wed 28/10/20	Sat 19/12/20	72 days	908									
911	Pilecap Formwork Design and Method Statement Submission	0 days	0 days	0 days	0%	Tue 7/7/20	Tue 7/7/20	NA	NA	Tue 30/4/24	Tue 30/4/24	1393 1 d	ay	♦ 7 7								
912	Pilecap Formwork Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Tue 7/7/20	Wed 5/8/20	NA	NA	Tue 30/4/24	Wed 29/5/24	1393 1 d	ny 911									
913	Excavation with Shoring Installation ~2600m3 Prod. Rate: 160m3/day/team	17 days	0 days	17 days	0%	Sat 1/8/20	Thu 20/8/20	NA	NA	Sat 1/8/20	Thu 20/8/20	days 0 days 1 d	ny 908									
914	Pilecap Formwork - design and Method Statement Submission	0 days		0 days	0%	Mon 20/7/20	Mon 20/7/20		NA	Fri 31/7/20	Fri 31/7/20	11 days 1 d		2017								
915	Pilecap Formwork - Design and Method Statement Comment & Appraoval	21 days		21 days	0%	Mon 20/7/20	Sun 9/8/20		NA	Fri 31/7/20	Thu 20/8/20	11 days 1 d										
916	Pilecap structure	24 days		24 days	0%	Fri 21/8/20	Thu 17/9/20		NA	Fri 21/8/20	Thu 17/9/20	0 days 1 d										
917	Backfill	13 days		13 days	0%	Fri 18/9/20	Mon 5/10/20		NA	Fri 18/9/20	Mon 5/10/20	0 days 1 d										
918	Agree Interface Coordination Plan with CKP-KTW (HY/2014/07)	14 days	0 days	14 days	0%	Tue 6/10/20	Wed 21/10/2	0 NA	NA	Tue 6/10/20	Wed 21/10/20	0 days 0 d	nys 917		21/10							
itle: Roy 11 Dec	g with Progress	Summary			Inactive N	filestone \diamondsuit		Duration-or	ıly		Start-only	Е	Exte	mal Milestone	**		Critical Spli	t				
itie: Rev. 11 Pro ns of 22-May-2	Culit	Project Sun	nmary		Inactive S	ummary		Manual Sur	nmary Rollup		Finish-only	3	Dead	lline	•		Progress				_	

										TD Project													
Task Na	me	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	h Late Start	Late Finish	Total TRA Slack	Predecessors	2020 O2 C	03 Q4		2021 O3	Q4 Q1	202	Q3 Q4	01	2023 Q2 Q3	04
919	Allow access to CKR-KTW contractor for sheet pile wall installation. PS App.1.18 2.7(A)(c)	60 days		60 days	0%	Thu 22/10/20	Sun 20/12/20) NA	NA	Thu 22/10/20	Sun 20/12/20	0 days 0 days	917,918			¥. \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					——————————————————————————————————————		_ ~
920	Pier - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 12/10/20	Mon 12/10/2	0 NA	NA	Mon 16/11/20	Mon 16/11/20	35 days 1 day		1	♦ 12/16								
921	Pier - Temp. Works Design and Method Statement Comment & Approval	35 days	0 days	35 days	0%	Mon 12/10/20	Sun 15/11/20) NA	NA	Mon 16/11/20	Sun 20/12/20	35 days 1 day	920										
922	Pier P03 @ CH1311	49 days	0 days	49 days	0%	Mon 21/12/20	Mon 22/2/21	NA	NA	Mon 21/12/20	Mon 22/2/21	0 days 1 day	916,919,850SS+										
923	Pre-drilling Works	15 days	15 days	0 days	100%	Wed 4/12/19	Wed 18/12/1	9 Wed 4/12/19	Wed 18/12/.	Wed 4/12/19	Wed 18/12/19	0 days 0.5 day	S										
924	Diversion of existing 150mm dia. Watermain (agreed)		42 days	12 days	78%	Sat 28/3/20	Fri 5/6/20	Sat 28/3/20	NA	Sat 28/3/20	Sat 14/11/20	134 days 2 days											
925	Bored pile (P04-BP2) @ CH1351 (Rig 2)	52 days		51 days	0%	Fri 22/5/20	Wed 21/10/2	0 Fri 22/5/20	NA	Fri 22/5/20	Tue 19/1/21	73 days 3 days	923,856										
926	Bored pile (P04-BP1) @ CH1351 (Rig 2)	53 days		53 days	0%	Tue 11/8/20	Tue 13/10/20		NA	Mon 16/11/20	Tue 19/1/21	80 days 3 days	202,924,923,925										
927	Pile Testing (14d curing & 14 test)	35 days		35 days	0%	Thu 22/10/20	Wed 2/12/20		NA	Wed 20/1/21	Thu 4/3/21	73 days 3 days	926,925										
928	Proof-drilling Works				0%		Tue 15/12/20		NA	Fri 5/3/21	Wed 17/3/21	73 days 2 days											
		11 days		11 days																			
929	Pile Cap P04 @ CH1351 with ELS	47 days	-	47 days	0%	Wed 16/12/20			NA	Thu 1/4/21	Mon 31/5/21	85 days	933SS,928										
930	Pile Cap @ CH1351	97 days		97 days	0%	Mon 2/11/20	Mon 1/3/21		NA	Tue 16/2/21	Mon 31/5/21	73 days				$\mathbb{T} $							
931	Pilecap ELS- Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20	NA NA	NA	Tue 16/2/21	Tue 16/2/21	106 days 1 day			2/11								
932	Pilecap ELS - Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 2/11/20	Tue 1/12/20	NA	NA	Tue 16/2/21	Wed 17/3/21	106 days 1 day	931										
933	Drive sheetpile (~75m). Prod. Rate: 10m/day/side/team	10 days	0 days	10 days	0%	Wed 16/12/20	Tue 29/12/20) NA	NA	Thu 18/3/21	Mon 29/3/21	73 days 2 days	932,928										
934	Excavation with Shoring Installation ~2600m3 Prod. Rate: 160m3/day/team	19 days	0 days	19 days	0%	Wed 30/12/20	Thu 21/1/21	NA	NA	Tue 30/3/21	Fri 23/4/21	73 days 2 day	933										
935	Pilecap Formwork- Design and Method Statement Submission	0 days	0 days	0 days	0%	Tue 1/12/20	Tue 1/12/20	NA	NA	Thu 25/3/21	Thu 25/3/21	114 days 1 day			1/1	12							
936	Pilecap Formworks - Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Tue 1/12/20	Wed 30/12/2	0 NA	NA	Thu 25/3/21	Fri 23/4/21	114 days 1 day	935	1									
937	Pile Cap structure	19 days	0 days	19 days	0%	Fri 22/1/21	Tue 16/2/21	NA	NA	Sat 24/4/21	Mon 17/5/21	73 days 1 day	846,936,934										
938	Backfill and extract sheet pile	11 days	0 days	11 days	0%	Wed 17/2/21	Mon 1/3/21	NA	NA	Tue 18/5/21	Mon 31/5/21	73 days 2 days	937										
939	Pier - Temporary Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 4/1/21	Mon 4/1/21	NA	NA	Sun 2/5/21	Sun 2/5/21	118 days 1 day				4/1							
940	Pier - Temporary Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 4/1/21	Tue 2/2/21	NA	NA	Sun 2/5/21	Mon 31/5/21	118 days 1 day	939										
941	Pier P04 @ CH1351	49 days	0 days	49 days	0%	Tue 2/3/21	Fri 30/4/21	NA	NA	Tue 1/6/21	Thu 29/7/21	73 days 1 day	938,922,211,940										
942	Stage 3: Bridge deck between CH1311-1351	145 days		145 days	0%	Fri 30/7/21	Fri 21/1/22	NA	NA	Fri 30/7/21	Sat 29/1/22	0 days 1 day											
943	CH1311-1351: Deck Falsework erection	21 days	-	21 days	0%	Fri 30/7/21	Mon 23/8/21		NA	Fri 30/7/21	Mon 23/8/21	0 days 3 days	941,922,879										
944	CH1311-1351: Structure deck	30 days		30 days	0%	Tue 24/8/21	Tue 28/9/21		NA	Tue 24/8/21	Tue 28/9/21	0 days 5 days	475,483,736,896										
945	CH1311-1351: Prestressing	21 days	-	21 days	0%	Mon 18/10/21			NA	Mon 18/10/21		0 days 3 days											
946	CH1311-1351: Utility Trough (0.67m per day per team) x 4 team				0%	Thu 11/11/21			NA	Fri 26/11/21	Mon 3/1/22	13 days 0.5 days											
		30 days		30 days																			
947	CH1311-1351: Central Median (6m per day per team) x 2 team	15 days		15 days	0%	Thu 11/11/21			NA	Wed 5/1/22	Fri 21/1/22	44 days 3 days											
948	CH1311-1351: Parapet (28m per day per team) x 2 team + 6 day concreting	16 days		16 days	0%	Thu 23/12/21			NA	Tue 4/1/22	Fri 21/1/22	7 days 1 day	945,888,890,946										
949	CH1311-1351: Road Furniture	7 days		7 days	0%	Fri 14/1/22	Fri 21/1/22		NA	Sat 22/1/22	Sat 29/1/22	7 days 1 day	947,358,948										
950	Part 1 - CH1372 to CH1386	149 days	s 0 days	149 days	0%	Mon 23/8/21	Tue 22/2/22	NA	NA	Mon 23/8/21	Tue 1/3/22	0 days											
951	Bridge deck between CH1351-1386	149 days	s 0 days	149 days	0%	Mon 23/8/21	Tue 22/2/22	NA	NA	Mon 23/8/21	Tue 1/3/22	0 days											
952	CH1351-1386: Deck Falsework erection	22 days	0 days	22 days	0%	Mon 23/8/21	Thu 16/9/21	NA	NA	Mon 23/8/21	Thu 16/9/21	0 days 4 days	941,922,898FS+										
953	CH1351-1386: Structure deck	30 days	0 days	30 days	0%	Fri 17/9/21	Mon 25/10/2	1 NA	NA	Fri 17/9/21	Mon 25/10/21	0 days 5 days	952,736,976					Н					
954	CH1351-1386: Prestressing	14 days	0 days	14 days	0%	Thu 11/11/21	Fri 26/11/21	NA	NA	Thu 11/11/21	Fri 26/11/21	0 days 5 days	953FS+14 days,	9				**					
955	CH1351 - CH1386: Utility Trough (0.67m per day per team) x 4 team	30 days	0 days	30 days	0%	Sat 27/11/21	Tue 4/1/22	NA	NA	Sat 27/11/21	Tue 4/1/22	0 days 3 days	219,954										
956	CH1351 - CH1386: Central Median (6m per day per team) x 1 team	15 days	0 days	15 days	0%	Sat 27/11/21	Tue 14/12/21	l NA	NA	Sat 27/11/21	Tue 14/12/21	0 days 3 days	954					 					
957	CH1351 - CH1386: Parapet (28m per day per team) x 1 team + 6 day	20 days	0 days	20 days	0%	Wed 5/1/22	Thu 27/1/22	NA	NA	Wed 12/1/22	Mon 7/2/22	6 days 4 days	955	1				 					
958	concreting CH1351-1386 Falsework removal	19 days	0 days	19 days	0%	Fri 28/1/22	Tue 22/2/22	NA	NA	Tue 8/2/22	Tue 1/3/22	6 days 1 day	955,957										
959	CH1351 - CH1386: Road Furniture (Section 1)	8 days	0 days	8 days	0%	Fri 28/1/22	Wed 9/2/22	NA	NA	Mon 14/2/22	Tue 22/2/22	11 days 2 day	956,358,957										
960	Part 1 - CH1386 to CH1394 South Abutment	352 days		352 days	0%	Fri 3/7/20	Sat 4/9/21	NA	NA	Sat 25/7/20	Thu 16/9/21	10 days											
961	Bored Pile (A02-BP2) @ CH1386 by Rig 1	42 days		42 days	0%	Fri 3/7/20	Thu 20/8/20		NA	Sat 25/7/20	Fri 11/9/20	19 days 3 days	831FS+12 days										
962	Bored Pile (A02-BP1) @ CH1386 by Rig 1	63 days		63 days	0%	Tue 28/7/20	Sat 10/10/20		NA	Wed 19/8/20	Tue 3/11/20	19 days 3 days											
963	Pile Testing	35 days		35 days	0%	Mon 12/10/20			NA NA	Wed 4/11/20		19 days 3 days]									
/05	The roung	JJ uays	o uays	JJ days	0 /0	141011 12/10/20	Jan 21/11/20	1771	17/1	1100 4/11/20	141011 14112120	17 unys 4 unys	702										
itle: Rev.11 P	Prog with Progress	Summary Drainat Sum	mmorr-		Inactive M			Duration-or	•		Start-only	E		emal Milesto	ne 💠			tical Split					
as of 22-May	r-20 Split Milestone ◆	Project Sun Inactive Ta		ď	Inactive Su Manual Ta			Manual Sur Manual Sur	mmary Rollup		Finish-only External Tasl	3	Dea Crit	dline	*			gress nual Progress	s -				

								tract No. ED														
Task N	Name	Duration	n Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA F		020 Q3	04 01	2021 Q2 Q3	3 04 6		022 Q3 Q4	Q1 Q	2023
964	Proof-drilling Works	11 days	0 days	11 days	0%	Mon 23/11/20	Fri 4/12/20	NA	NA	Tue 2/2/21	Wed 17/2/21	58 days	2 days 9	163	1 2		1 22 1 0.		X1 Q2		71	Z2 Q3
965	South Abutment	166 day	s 0 days	166 days	0%	Wed 3/2/21	Thu 26/8/21	NA	NA	Thu 18/2/21	Tue 7/9/21	10 days	9	068SS,964								
966	South Abutment ELS- Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 4/1/21	Mon 4/1/21	NA	NA	Tue 19/1/21	Tue 19/1/21	15 days	1 day			4 4/1						
967	South Abutment ELS - Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 4/1/21	Tue 2/2/21	NA	NA	Tue 19/1/21	Wed 17/2/21	15 days	1 day 9	066								
968	Drive sheetpile (~900m) Prod. Rate: 10m/d/team	11 days	0 days	11 days	0%	Wed 3/2/21	Thu 18/2/21	NA	NA	Thu 18/2/21	Tue 2/3/21	10 days	2 days 9	64,967,980								
969	Excavation ~1,344m3 & lateral support. Prod. Rate: 160m3/day/team		0 days	11 days	0%	Fri 19/2/21	Wed 3/3/21		NA	Mon 22/3/21	Tue 6/4/21	26 days		168								
970	Blinding layer		0 days		0%	Thu 4/3/21	Thu 4/3/21		NA	Wed 7/4/21	Wed 7/4/21	26 days		169								
		l day		1 day										109								
971	South Abutment Formwork- Design and Method Statement Submission			0 days	0%	Mon 21/12/20			NA	Tue 9/3/21	Tue 9/3/21	78 days				21/1	2					
972	South Abutment Formwork - Design and Method Statement Comment & Appraoval		0 days	30 days	0%	Mon 21/12/20		NA	NA	Tue 9/3/21	Wed 7/4/21	78 days		71								
973	Base Slab	36 days	0 days	36 days	0%	Wed 17/3/21	Fri 30/4/21	NA	NA	Thu 8/4/21	Fri 21/5/21	16 days	2 days 9	70,972,986								
974	Wall (3.85m thk). Prod. Rate: 18d/bay/team	39 days	0 days	39 days	0%	Mon 3/5/21	Fri 18/6/21	NA	NA	Sat 22/5/21	Thu 8/7/21	16 days	3 days 9	73								
975	Wall (0.5m thk)	52 days	0 days	52 days	0%	Sat 19/6/21	Thu 19/8/21	NA	NA	Fri 9/7/21	Tue 7/9/21	16 days	2 days 9	74								
976	Install bridge bearing	8 days	0 days	8 days	0%	Fri 27/8/21	Sat 4/9/21	NA	NA	Wed 8/9/21	Thu 16/9/21	10 days	1 day 9	75,736,822,965								
977	South Approach Ramp - CH1394-1444.7 - Total 8 bays (4 bay/side)	259 day	s 0 days	259 days	0%	Mon 21/9/20	Fri 6/8/21	NA	NA	Sun 15/11/20	Sat 4/12/21	45 days			$\parallel \parallel$							
978	South Approach Ramp ELS - Temp. Works Design and Method Statement	0 days	0 days	0 days	0%	Mon 21/9/20	Mon 21/9/20	NA	NA	Sun 15/11/20	Sun 15/11/20	55 days	1 day			21/9						
979	Submission South Approach Ramp ELS - Temp. Works Design and Method Statement	30 days	0 days	30 days	0%	Mon 21/9/20	Tue 20/10/20) NA	NA	Sun 15/11/20	Mon 14/12/20	55 days	1 day 9	78								
980	Comment & Approval Drive sheetpile (~240m) Prod. Rate: 10m/d/team		0 days	26 days	0%	Mon 23/11/20			NA	Tue 15/12/20	Sat 16/1/21	19 days		79,962,963								
981	Excavation ~2,688m3 & lateral support. Prod. Rate: 160m3/day/team		0 days	19 days	0%	Wed 23/12/20			NA	Mon 18/1/21	Mon 8/2/21	19 days		180								
												-										
982	Rock Replacement		0 days	7 days	0%	Sun 17/1/21	Sat 23/1/21		NA	Tue 9/2/21	Mon 15/2/21	23 days		81								
983	Blinding layer. Prod. Rate: 2bays/day	1 day	0 days	1 day	0%	Mon 25/1/21	Mon 25/1/21	NA	NA	Tue 16/2/21	Tue 16/2/21	16 days	1 day 9	81,982		III II F						
984	Sourth Approach - Formworks Design and Method Statement Submission	0 days	0 days	0 days	0%	Tue 1/12/20	Tue 1/12/20	NA	NA	Mon 18/1/21	Mon 18/1/21	48 days	1 day			♠ 1/12						
985	South Approach Ramp Formworks Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Tue 1/12/20	Wed 30/12/2	0 NA	NA	Mon 18/1/21	Tue 16/2/21	48 days	1 day 9	84								
986	6 x Base Slab Prod. Rate: 12d/bay/team x 2 teams	40 days	0 days	40 days	0%	Tue 26/1/21	Tue 16/3/21	NA	NA	Wed 17/2/21	Wed 7/4/21	16 days	4 days 9	83,985,244			K					
987	6 x Wall. Prod. Rate: 12d/bay/team x 3 level x 2 teams	78 days	0 days	78 days	0%	Wed 17/3/21	Tue 22/6/21	NA	NA	Mon 28/6/21	Tue 28/9/21	82 days	6 days 9	186				_				
88	Backfilling ~4,765.89m3 within approach ramp to formation level (160m3/day) +12d shoring removal x 2 (considered time for SRT)	38 days	0 days	38 days	0%	Wed 23/6/21	Fri 6/8/21	NA	NA	Fri 22/10/21	Sat 4/12/21	100 days	2 days 9	87								
89	CH1386-1444: South Approach Ramp (50m): Parapet, Central Median & Furniture	e 43 days	0 days	43 days	0%	Wed 15/12/21	Wed 9/2/22	NA	NA	Wed 15/12/21	Wed 9/2/22	0 days	9	188				T.	-			
990	CH1386-1444: Central Median and Utilities Trough (5m per day per team) x 1	23 days	0 days	23 days	0%	Wed 15/12/21	Thu 13/1/22	NA	NA	Wed 15/12/21	Thu 13/1/22	0 days	2 days 2	53,956								
991	team CH1386-1444: Parapet (10m per day per team) x 2 team + 2 team x 6 day		0 days	13 days	0%	Fri 14/1/22	Fri 28/1/22		NA	Fri 14/1/22	Fri 28/1/22	-		88,253,990								
92	concreting CH1386-1444: Road Furniture	7 days		7 days	0%	Sat 29/1/22	Wed 9/2/22		NA	Sat 29/1/22	Wed 9/2/22			90,358,991				Į				
												-						W W				
993	CH1087 - 1444: Bitumen Paving and Lighting		0 days	60 days	0%	Thu 30/12/21			NA	Wed 15/12/21	Tue 1/3/22	-11 days	I day 8	13,884,892FF,9								
994	2.6 Utility Laying	1 day?		1 day?	0%		Thu 16/5/19		NA	Wed 29/5/24	Wed 29/5/24	1840 d										
995	CH1087-1311 (224m): Utility Laying (by Others) (Agreed)	63 days	0 days	63 days	0%	Wed 29/12/21	Tue 1/3/22	NA	NA	Wed 29/12/21	Tue 1/3/22	0 days										
996	CLP (132kV)	63 days	0 days	63 days	0%	Wed 29/12/21	Tue 1/3/22	NA	NA	Wed 29/12/21	Tue 1/3/22	0 days	1 day 8	99,955SS+32 d				₩				
997	CLP (11kV)	63 days	0 days	63 days	0%	Wed 29/12/21	Tue 1/3/22	NA	NA	Wed 29/12/21	Tue 1/3/22	0 days	1 day 9	96SS)				
998	HKCG	53 days	0 days	53 days	0%	Wed 29/12/21	Sat 19/2/22	NA	NA	Sat 8/1/22	Tue 1/3/22	10 days	1 day 9	97SS				 				
999	CATV	23 days	0 days	23 days	0%	Wed 29/12/21	Thu 20/1/22	NA	NA	Thu 3/2/22	Fri 25/2/22	36 days	1 day 9	98SS				>				
1000	Towngas telecom	27 days	0 days	27 days	0%	Wed 29/12/21	Mon 24/1/22	NA	NA	Thu 3/2/22	Tue 1/3/22	36 days	1 day 9	99SS				→				
1001	PCCW-HKT		0 days	23 days	0%	Wed 29/12/21			NA	Sun 6/2/22	Mon 28/2/22	39 days		000SS								
.002	Fresh and Salt Watermains (by POC)		0 days	24 days	0%	Wed 29/12/21			NA	Sun 6/2/22	Tue 1/3/22	39 days		001SS								
													a unij I	00100								
	CH1311-1396 (85m): Utility Laying (by Others) (Agreed)		0 days	84 days	0%		Wed 29/12/2		NA	Fri 4/2/22	Tue 1/3/22	62 days										
.004	CLP (11kV)		0 days	26 days	0%	Wed 5/1/22	Sun 30/1/22		NA	Fri 4/2/22	Tue 1/3/22	30 days		99,955								
1005	PCCW-HKT		0 days	18 days	0%	Wed 5/1/22	Sat 22/1/22		NA	Sat 12/2/22	Tue 1/3/22	38 days	1 day 1	004SS								
1006	Sat and Fresh Watermain (by POC)	18 days	0 days	18 days	0%	Wed 5/1/22	Sat 22/1/22	NA	NA	Sat 12/2/22	Tue 1/3/22	38 days	1 day 1	005SS								
1007	Underpass and Depressed Road	619 day	s 142.15 days	476.85 days	0%	Tue 3/9/19	Mon 4/10/21	Tue 3/9/19	NA	Tue 3/9/19	Tue 1/3/22	120 days										
	Task	Summary			Inactive M	filestone 🔷		Duration-o	nly		Start-only			External M	ilestone	\$		Critical Split	t			
itle: Rev.11 as of 22-Ma	Prog with Progress	Project Sur	mmary		Inactive S				mmary Rollup		Finish-only		3	Deadline		•		Progress				
ا۱۷۱۶ کے بال دی	Milestone Milestone	Inactive Ta	ask		Manual Ta	ask		Manual Su	mmarv		External Tas	sks		Critical				Manual Prog	gress			

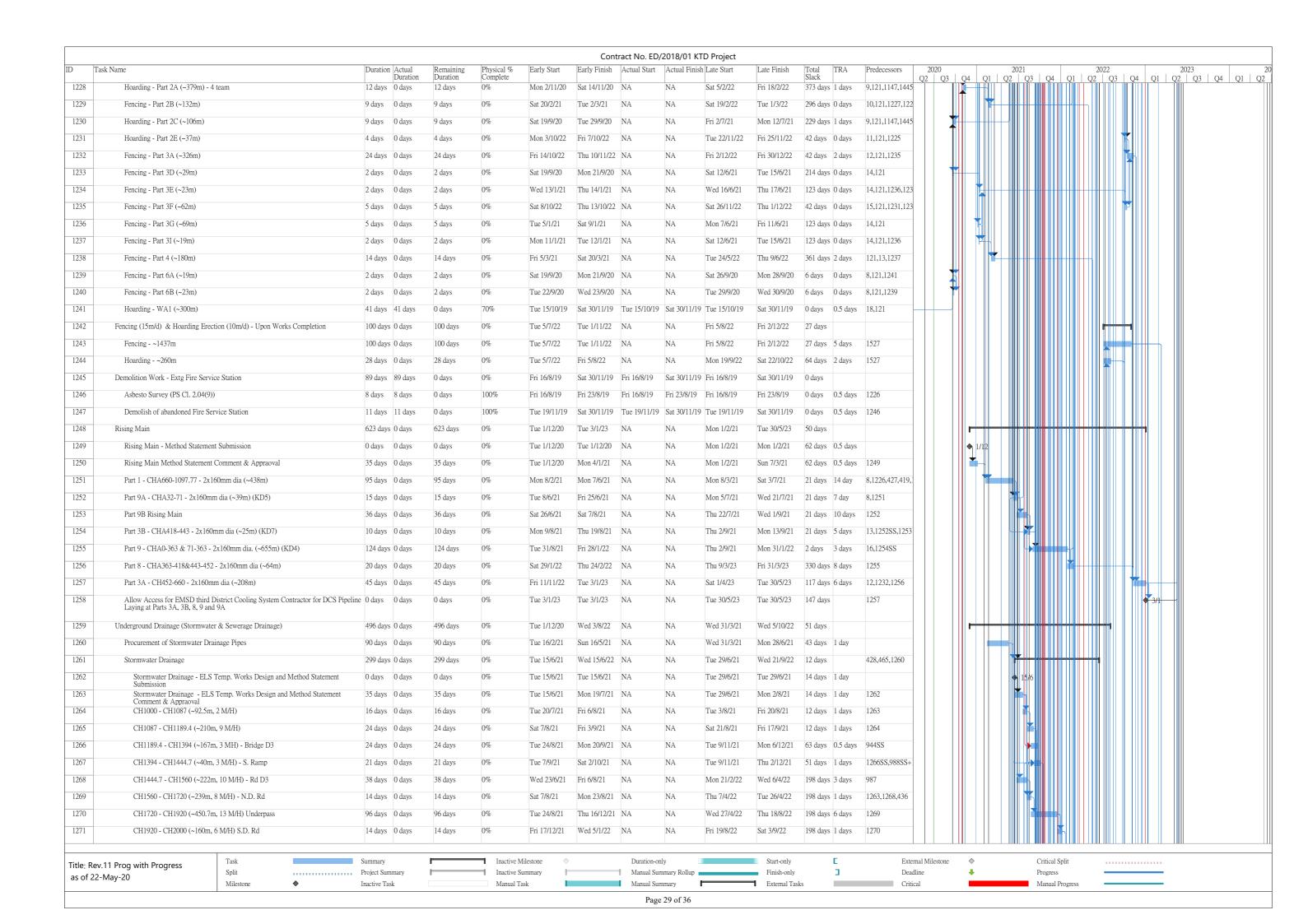
		_	1					tract No. ED/						-								
Task l	Name	Duration	n Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack		Predecessors	2020 Q2 Q3	Q4	Q1	2021 Q2 Q	3 04	4 Q1	2022 Q2	Q4
08	North Depressed Rd (CH1560-1720)	562 days	s 211.42 days	350.58 days	0%	Tue 3/9/19	Tue 27/7/21	Tue 3/9/19	NA	Tue 3/9/19	Tue 1/3/22	177 days	3									
09	Ground Monitoring Works	17 days	17 days	0 days	100%	Tue 3/9/19	Thu 19/9/19	Tue 3/9/19	Thu 19/9/19	Tue 3/9/19	Thu 19/9/19	0 days	2 days									
10	Mobilization	7 days	7 days	0 days	100%	Fri 1/11/19	Fri 8/11/19	Fri 1/11/19	Fri 8/11/19	Fri 1/11/19	Fri 8/11/19	0 days	0 days									
11	Complete the Diveration of Existing Overhang Cable along the North Depressed	1 day	1 day	0 days	100%	Sat 26/10/19	Sat 26/10/19	Sat 26/10/19	Sat 26/10/19	Sat 26/10/19	Sat 26/10/19	0 days	0.5 days									
2	Drive Sheet Pile (380m, 15,000m penetration depth) Prod. Rate by 2 teams	39 days	39 days	0 days	100%	Fri 22/11/19	Thu 9/1/20	Fri 22/11/19	Thu 9/1/20	Fri 22/11/19	Thu 9/1/20	0 days	0.5 days	1009,1010,1011								
	(around 125m penetration depth per day per team)																					Ш
13	Pumping Test	120 days	s 75 days	45 days	0%	Thu 20/2/20	Fri 17/7/20	Thu 20/2/20	NA	Thu 20/2/20	Sat 18/7/20	1 day	0.5 days	1012								Ш
14	CH1560 - CH1720 North Depress Road	449 days	s 98.66 days	350.34 days	0%	Mon 20/1/20	Tue 27/7/21	Mon 20/1/20	NA	Mon 20/1/20	Tue 1/3/22	177 days	3									Ш
15	Excavation with Shoring Installation - Prod Rate: 270m3/d/team. (~36.61 lm3). 1 team	145 days	s 98 days	47 days	0%	Mon 20/1/20	Sat 18/7/20	Mon 20/1/20	NA	Mon 20/1/20	Sat 18/7/20	-11 days	1 day	1012								Ш
16	CNCE No. 73 - April 2020 Inclement Weather	8 days	0 days	8 days	0%	Mon 20/7/20	Tue 28/7/20	NA	NA	Tue 7/7/20	Wed 15/7/20	-11 days		1015,73								Ш
7	May 2020 - Inclement Weather	3 days	0 days	3 days	0%	Wed 29/7/20	Fri 31/7/20	NA	NA	Thu 16/7/20	Sat 18/7/20	-11 days		1016,74								Ш
18	Rock Fill Replacement (Final Level)	6 days	0 days	6 days	0%	Sat 1/8/20	Fri 7/8/20	NA	NA	Mon 20/7/20	Sat 25/7/20	-11 days		1013,1015,1017	#							
19	6 Bay Base Slabs + 3 Levels Wall Both Sides	55 days	0 days	55 days	0%	Wed 3/6/20	Fri 7/8/20	NA	NA	Thu 21/5/20	Sat 25/7/20	-11 days		1015SS+107 day								
20	Base Slab and Wall Below 4th Level Shoring	25 days		25 days	0%	Sat 8/8/20	Sat 5/9/20	NA	NA	Mon 27/7/20	Mon 24/8/20			1019,1015,1018								Ш
21	Backfilling and 4th Level Shoring Removal		0 days	18 days	0%	Mon 7/9/20	Sat 26/9/20		NA	Tue 25/8/20	Mon 14/9/20	-11 days		1020								
22	Wall Construction (between 3rd and 4th levels shoring) and Remaining Base Slab			24 days	0%	Mon 28/9/20	Wed 28/10/20		NA	Tue 15/9/20	Wed 14/10/20			1021								
23	Backfilling and 3rd Level Shoring Removal	18 days		18 days	0%	Thu 29/10/20			NA	Thu 15/10/20	Thu 5/11/20	-11 days		1022								
24	Structure Works Below 2nd & 3rd Levels Shoring	23 days	0 days	23 days	0%	Thu 19/11/20	Tue 15/12/20	NA	NA	Fri 6/11/20	Wed 2/12/20	-11 days		1023								
25	Backfilling and 2nd Level Shoring Removal	18 days	0 days	18 days	0%	Wed 16/12/20	Fri 8/1/21	NA	NA	Thu 3/12/20	Wed 23/12/20	-11 days		1024								
26	Remaining Wall Construction	30 days	0 days	30 days	0%	Sat 9/1/21	Tue 16/2/21	NA	NA	Thu 24/12/20	Sat 30/1/21	-11 days		1025								
7	Backfill & extract sheet pile (CH1560 to CH1720)	26 days	0 days	26 days	0%	Wed 17/2/21	Thu 18/3/21	NA	NA	Mon 1/2/21	Fri 5/3/21	-11 days	1 day	1026			 					
8	Emergency walkway & median barrier installation	20 days	0 days	20 days	0%	Tue 1/6/21	Thu 24/6/21	NA	NA	Mon 3/1/22	Tue 25/1/22	177 days	s 2 days	1027	-							
9	Parapet installation	27 days	0 days	27 days	0%	Fri 25/6/21	Tue 27/7/21	NA	NA	Wed 26/1/22	Tue 1/3/22	177 days	3 days	1028				II				
0	CH1720 - CH1850 (130m long) (2 x teams)	477 days	s 0 days	477 days	0%	Mon 15/6/20	Mon 4/10/21	NA	NA	Mon 15/6/20	Mon 4/10/21	0 days										Ш
1	Drive sheet pile (approx. 17000m penetration depth, 380m/day)	46 davs	0 days	46 days	0%	Mon 15/6/20	Sat 8/8/20	NA	NA	Mon 15/6/20	Sat 8/8/20	0 days	2 day									Ш
2	Pumping Test		0 days	22 days	0%	Mon 10/8/20	Thu 3/9/20		NA	Mon 10/8/20	Thu 3/9/20	0 days		1031,1045								Ш
33	CH1720 - CH1850 (130m long) (2 x teams) Top Portion: Excavation with		0 days	42 days	0%		Sat 24/10/20		NA	Fri 4/9/20	Sat 24/10/20			1032	1							
,5	Shoring Installation = 23,000 cu.m. (320m3/d/team x 2)	42 uays	0 days	42 days	076	111 4/9/20	Sat 24/10/20	INA	IVA	111 4/9/20	Sat 24/10/20	0 days	2 day	1032	'							
34	CH1720 - CH1850 (130m long) (2 x teams) Bottom Portion: Excavation with	52 days	0 days	52 days	0%	Tue 27/10/20	Mon 28/12/20) NA	NA	Tue 27/10/20	Mon 28/12/20	0 days	1 day	1033	-							
	Shoring Installation = 23,876 cu.m. (250m3/d/team x 2)																					
35	Rock fill - Prod. Rate: (3,469m3) (160m3/d/team. 2 team)	6 days	0 days	6 days	0%	Tue 29/12/20	Tue 5/1/21	NA	NA	Tue 29/12/20	Tue 5/1/21		1 day	1033,1034		 						
36	Base Slab - 8 bays. Prod. Rate: 12d/team/bay include pipe laying. 4 teams	26 days	0 days	26 days	0%	Wed 3/3/21	Thu 1/4/21	NA	NA	Wed 3/3/21	Thu 1/4/21	0 days	2 day	1035,1042,262								Ш
37	Wall - 8 bays. Prod. Rate: 3 level of shoring 12d/bay/level/team. 4 teams	75 days	0 days	75 days	0%	Tue 6/4/21	Tue 6/7/21	NA	NA	Tue 6/4/21	Tue 6/7/21	0 days	3 days	1036								
38	Top Slab - 8 bays. Prod. Rate: 18d/team/bay, 4 teams	38 days	0 days	38 days	0%	Wed 7/7/21	Thu 19/8/21	NA	NA	Wed 7/7/21	Thu 19/8/21	0 days	2 day	1037					ի			
39	Falsework Removal	37 days	0 days	37 days	0%	Fri 20/8/21	Mon 4/10/21	NA	NA	Fri 20/8/21	Mon 4/10/21	0 days	2 day	1038	-							
40	Sheetpile Extraction and Backfill	13 days	0 days	13 days	0%	Fri 20/8/21	Fri 3/9/21	NA	NA	Fri 17/9/21	Mon 4/10/21	24 days	1 day	1038					*			
41	Underground Plant Room next to Underpass	45 days	0 days	45 days	0%	Wed 6/1/21	Tue 2/3/21	NA	NA	Wed 6/1/21	Tue 2/3/21	0 days			-							
42	Underground pump house structure	45 days	0 days	45 days	0%	Wed 6/1/21	Tue 2/3/21	NA	NA	Wed 6/1/21	Tue 2/3/21	0 days	3 day	714,1035,262,28	3							
43	Underpass & South Depressed Road CH1850-1950 - (100m long) 8 bays x 13.5m long			54.64 days	0%	Wed 26/2/20	Thu 23/7/20	Wed 26/2/20	NA	Wed 26/2/20	Sat 8/8/20	14 days										
14	Drive sheet pile (12,530m embedded length sheetpile) Prod. Rate 380m/team/day		32 days	0 days	100%	Wed 26/2/20	Mon 6/4/20	Wed 26/2/20		Wed 26/2/20	Mon 6/4/20	0 days										
														1044								
45	Pumping Test		29 days	51 days	36%	Fri 17/4/20		Fri 17/4/20		Fri 17/4/20	Sat 8/8/20			1044								
16	Underpass & South Depress Road (CH1850 to CH1950)		s 27.64 days	511.36 days	0%	Thu 23/4/20		Thu 23/4/20		Thu 23/4/20	Tue 1/3/22	139 days										
47	Excavation with Shoring Installation (Upper Portion) - Prod. Rate: 270m3/d/team. 1 team 16,000m3)	80 days	24 days	56 days	23%	Thu 23/4/20	Thu 30/7/20	Thu 23/4/20	NA	Thu 23/4/20	Fri 4/9/20	31 days		1045SS+6 days		$\parallel \parallel \parallel \parallel$						
48	Excavation with Shoring Installation (Lower Portion) - Prod. Rate: 270m3/d/team. 1 team 16,000m3)	65 days	0 days	65 days	0%	Fri 31/7/20	Fri 16/10/20	NA	NA	Sat 5/9/20	Mon 23/11/20	31 days	5 day	1047,1045FF+12 days	🛎							
49	Rock fill - Prod. Rate: 160m3/d/team (1,745m3)	7 days	0 days	7 days	0%	Sat 17/10/20	Sat 24/10/20	NA	NA	Tue 24/11/20	Tue 1/12/20	31 days	1 day	1047,1048			$\parallel \parallel \parallel$					
50	Blinding	1 day	0 days	1 day	0%	Tue 27/10/20	Tue 27/10/20	NA	NA	Wed 2/12/20	Wed 2/12/20	31 days	0.5 days	1049								
					1																	
e: Rev.11	Prog with Progress	Summary			Inactive M			Duration-or	-		Start-only		E .		emal Milestone	♦				al Split		
of 22-M	ay-20 Split	Project Sur	mmary ask		Inactive Su Manual Ta			Manual SurManual Sur	nmary Rollup 🔳		Finish-only External Tasi		3	Dea Criti	dline	•			Progre	ess al Progress	-	

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Task	Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Fin	ish Late Start	Late Finish	Total TRA Slack	Predecessors 202 Q2		2021 Q1 Q2 Q	23 Q4 Q1	2022 Q2 Q3 Q	Q4Q1	2023 Q2 Q3
051	Underpass Formworks Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 14/9/20	Mon 14/9/20	NA	NA	Tue 3/11/20	Tue 3/11/20	50 days 1 day		4 14/9					
052	Underpass Formworks Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 14/9/20	Tue 13/10/20	NA	NA	Tue 3/11/20	Wed 2/12/20	50 days 1 day	1051						
053	Casting base slab (12d/bay/team x 3) (6 bays)	26 days	0 days	26 days	0%	Wed 28/10/20	Thu 26/11/20	NA	NA	Thu 3/12/20	Tue 5/1/21	31 days 2 day	1050,1052,262						
054	Waterproofing & Bacfilling before S3 Shoring Removal	12 days	0 days	12 days	0%	Fri 27/11/20	Thu 10/12/20	NA	NA	Wed 6/1/21	Tue 19/1/21	31 days 1 day	1053						
055	S3 Shoring ELS Removal + North/South End Re-propping	7 days	0 days	7 days	0%	Fri 11/12/20	Fri 18/12/20	NA	NA	Wed 20/1/21	Wed 27/1/21	31 days 1 day	1054						
056	Wall Construction up to soffit of S2 Shoring (12d/bay/team x 3) (6 bays)	24 days	0 days	24 days	0%	Sat 19/12/20	Tue 19/1/21	NA	NA	Thu 28/1/21	Sat 27/2/21	31 days 2 day	1055						
057	Waterproofing & Bacfilling before S2 Shoring Removal	12 days	0 days	12 days	0%	Wed 20/1/21	Tue 2/2/21	NA	NA	Mon 1/3/21	Sat 13/3/21	31 days 1 day	1056						
058	S2 Shoring ELS Removal + North/South End Re-propping	7 days	0 days	7 days	0%	Wed 3/2/21	Wed 10/2/21	NA	NA	Mon 15/3/21	Mon 22/3/21	31 days 1 day	1057		R III				
059	Wall Construction up to soffit of S1 Shoring (12d/bay/team x 3) (6 bays)	24 days	0 days	24 days	0%	Thu 11/2/21	Sat 13/3/21	NA	NA	Tue 23/3/21	Thu 22/4/21	31 days 2 day	1058						
060	Waterproofing & Bacfilling before S1 Shoring Removal	12 days	0 days	12 days	0%	Mon 15/3/21	Sat 27/3/21	NA	NA	Fri 23/4/21	Fri 7/5/21	31 days 1 day	1059						
061	S1 Shoring ELS Removal + North/South End Re-propping	7 days		7 days	0%	Mon 29/3/21	Thu 8/4/21	NA	NA	Sat 8/5/21	Sat 15/5/21	31 days 1 day	1060						
062	Scaffold erection for roof slab	24 days		24 days	0%	Fri 9/4/21	Fri 7/5/21	NA	NA	Mon 17/5/21	Tue 15/6/21	31 days 2 day	1061						
063	Roof slab construction (18d/bay/team x 3) (6 bays)	42 days		42 days	0%	Sat 8/5/21	Mon 28/6/21		NA	Wed 16/6/21	Wed 4/8/21	31 days 4 days	1062						
064	Waterproofing & Backfilling upto tunnel top	28 days		28 days	0%	Tue 29/6/21	Sat 31/7/21		NA	Thu 5/8/21	Mon 6/9/21	31 days 4 days	1063						
065																			
	Scaffold removal after 28 days from casting	22 days		22 days	0%	Mon 26/7/21	Thu 19/8/21		NA	Thu 13/1/22	Thu 10/2/22	141 days 1 day	1063FS+22 days						
066	Sheetpile extraction (Ch1851-CH1950)	22 days		22 days	0%	Mon 2/8/21	Thu 26/8/21		NA	Tue 7/9/21	Mon 4/10/21	31 days 1 day	1064						
067	Emergency walkway & median barrier installation		0 days	9 days	0%	Fri 24/9/21	Tue 5/10/21		NA	Fri 11/2/22	Mon 21/2/22	112 days 1 day	323,1066,1040,1						
068	Parapet installation	7 days	0 days	7 days	0%	Wed 6/10/21	Wed 13/10/2	1 NA	NA	Tue 22/2/22	Tue 1/3/22	112 days 1 day	1067)			
069	CH1950 - CH2020 (70m long) (2 x teams) 4 bays x 17.5m long - Average 3 layers of shoring	209 days	0 days	209 days	0%	Fri 19/3/21	Mon 29/11/2	1 NA	NA	Sat 6/3/21	Tue 1/3/22	-11 days							
070	Drive sheet pile (approx. 8,800m embedded length sheetpile), 380m/team/day	24 days	0 days	24 days	0%	Fri 19/3/21	Mon 19/4/21	NA	NA	Sat 6/3/21	Tue 6/4/21	-11 days 1 day	1027						
071	Excavation with Shoring Installation - Prod. Rate: 2 teams x 250m3/d/team. (14,500m3)	30 days	0 days	30 days	0%	Tue 20/4/21	Wed 26/5/21	NA	NA	Wed 7/4/21	Wed 12/5/21	-11 days 1 day	1049,1070						
072	Rock Fill Replacement	6 days	0 days	6 days	0%	Thu 27/5/21	Wed 2/6/21	NA	NA	Thu 13/5/21	Thu 20/5/21	-11 days 0.5 days	s 1071		H				
073	Blinding	1 day	0 days	1 day	0%	Thu 3/6/21	Thu 3/6/21	NA	NA	Fri 21/5/21	Fri 21/5/21	-11 days 0.5 days	s 1071,1072						
074	Base Slab - 4 bays. Prod. Rate: 12d/team/bay include pipe laying. 2 team	26 days	0 days	26 days	0%	Fri 4/6/21	Tue 6/7/21	NA	NA	Sat 22/5/21	Tue 22/6/21	-11 days 2 days	1073						
075	Wall - 4 bays. Prod. Rate: 3 level of shoring 12d/bay/level/team. 2 teams	67 days	0 days	67 days	0%	Wed 16/6/21	Thu 2/9/21	NA	NA	Wed 2/6/21	Fri 20/8/21	-11 days 6 days	1074SS+9 days		4	-			
076	Backfill & extract sheet pile (CH1950 to CH2020)	25 days	0 days	25 days	0%	Fri 3/9/21	Mon 4/10/21	NA	NA	Sat 21/8/21	Sat 18/9/21	-11 days 2 days	1075			T			
077	CH1950 to CH2020: Emergency walkway & median barrier installation	20 days	0 days	20 days	0%	Tue 5/10/21	Thu 28/10/21	NA	NA	Mon 3/1/22	Tue 25/1/22	73 days 2 days	1075,1076			M-			
078	CH1950 to CH2020: Pavement work	7 days	0 days	7 days	0%	Fri 29/10/21	Fri 5/11/21	NA	NA	Wed 26/1/22	Sat 5/2/22	73 days 1 day	1077			X			
079	CH1950 to CH2020: Parapet installation	20 days	0 days	20 days	0%	Sat 6/11/21	Mon 29/11/2	1 NA	NA	Mon 7/2/22	Tue 1/3/22	73 days 2 day	1076,1077,1078			N #:			
080	South Depressed Road CH2020-2050 (40m long) (2 x teams) 5 bays x 13.5m long -	134 days	0 days	134 days	0%	Mon 2/8/21	Tue 11/1/22	NA	NA	Sun 5/9/21	Tue 1/3/22	30 days							
081	Average 2 layers of shoring Open Excavation	17 days		17 days	0%	Tue 5/10/21	Mon 25/10/2	1 NA	NA	Mon 20/9/21	Mon 11/10/21	-11 days 3 days	1076						
082	Blinding	2 days		2 days	0%	Tue 26/10/21	Wed 27/10/2		NA	Tue 12/10/21		-11 days 0 days				Y			
083	South Depress Road - Formworks Design and Method Statement Submission	0 days		0 days	0%	Mon 2/8/21	Mon 2/8/21		NA	Sun 5/9/21	Sun 5/9/21	34 days 1 day				. 2/8			
084	South Depress Road - Formworks Design and Method Statement Comment &	40 days		40 days	0%	Mon 2/8/21	Fri 10/9/21		NA	Sun 5/9/21	Thu 14/10/21		1083						
	Appraoval												1082,1084,314						
085	Base Slab - 3 bays. Prod. Rate: 12d/team/bay include pipe laying. 2 teams	12 days		12 days	0%	Thu 28/10/21			NA	Fri 15/10/21	Thu 28/10/21								
086	Wall - 3 bays. Prod. Rate: 2 level of shoring 12d/bay/level/team. 2 teams	12 days		12 days	0%	Fri 12/11/21	Thu 25/11/21		NA	Sat 30/10/21	Fri 12/11/21	-11 days 0.5day	1085SS+13 days						
087	Wall - 3 bays. Prod. Rate: 2 level of shoring 12d/bay/level/team. 2 teams	12 days		12 days	0%	Sat 20/11/21	Fri 3/12/21		NA	Mon 8/11/21	Sat 20/11/21	-11 days 0.5day	1086SS+7 days						
088	Backfill & extract sheet pile	19 days		19 days	0%	Fri 26/11/21	Fri 17/12/21		NA	Fri 14/1/22	Tue 8/2/22	39 days 1 day	1086						
089	Curing and Formwork Ramoval	19 days		19 days	0%	Fri 26/11/21	Fri 17/12/21		NA	Thu 30/12/21	Fri 21/1/22	27 days 1 day	1086						
090	Emergency walkway & median barrier installation	6 days	0 days	6 days	0%	Sat 18/12/21	Fri 24/12/21	NA	NA	Wed 9/2/22	Tue 15/2/22	39 days 2 days	1086,1088,323						
091	Pavement work	6 days	0 days	6 days	0%	Tue 28/12/21	Tue 4/1/22	NA	NA	Wed 16/2/22	Tue 22/2/22	39 days 1 day	1090						
092	Parapet installation	6 days	0 days	6 days	0%	Wed 5/1/22	Tue 11/1/22	NA	NA	Wed 23/2/22	Tue 1/3/22	39 days 1 day	1090,1088,1091						
093	5.0 CH1386-1950 (564m): Utlity Laying Team 2 (by Others)	332 days	0 days	332 days	0%	Sat 17/4/21	Mon 14/3/22	NA	NA	Thu 19/8/21	Tue 1/3/22	-13 days			║┃┃┃ ┢┤┤╢╫╢				
094	CLP (132kV)	30 days	0 days	30 days	0%	Fri 14/1/22	Sat 12/2/22	NA	NA	Mon 31/1/22	Tue 1/3/22	17 days 1 day	946,990,1027			T -			
095	HKCG	18 days	0 days	18 days	0%	Fri 14/1/22	Mon 31/1/22	NA	NA	Tue 25/1/22	Fri 11/2/22	11 days 1 day	946,990,1027						
	1 Drog with Drogress Task	Summary			Inactive N	filestone 🔷		Duration-o	nlv		Start-only	Е	External Miles	tone \diamondsuit	<u> </u>	Critical Split	<u></u>		
	1 Prog with Progress Split Split	Project Sur	nmary		Inactive S				mmary Rollup		Finish-only	3	Deadline	•		Progress			

							Con	tract No. E	D/2018/01 KT	TD Project											
D Task	Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start			t Actual Finisl	-	Late Finish	Total TRA Slack	Predecessors	2020	04	2021	73 04		022	1 01 1 0	2023
1096	HGC	15 days		15 days	0%	Fri 21/1/22	Fri 4/2/22	NA	NA	Tue 1/2/22	Tue 15/2/22	11 days 1 day	1095SS+7 days,	2 Q3	Q4 Q	1 Q2	Q3 Q4	Q1 Q2	Q5 Q4	+ QI Q	Q2 Q3 (
1097	CATV	13 days	0 days	13 days	0%	Fri 28/1/22	Wed 9/2/22	NA	NA	Tue 8/2/22	Sun 20/2/22	11 days 1 day	1096SS+7 days				þ				
1098	Towngas telecom	15 days	0 days	15 days	0%	Fri 4/2/22	Fri 18/2/22	NA	NA	Tue 15/2/22	Tue 1/3/22	11 days 1 day	1097SS+7 days								
1099	North & South Depress Raod and Underpass: Finishing and E&M Works	120 days	0 days	120 days	0%	Tue 5/10/21	Tue 1/3/22	NA	NA	Tue 5/10/21	Tue 1/3/22	0 days									
1100	Finishing & Fitting Out Work, and E&M Works Installation	120 days	0 days	120 days	0%	Tue 5/10/21	Tue 1/3/22	NA	NA	Tue 5/10/21	Tue 1/3/22	0 days 8 days	306,271,323,108								
1101	Pump Room Next to Underpass: Finishing and E&M Works	158 days	0 days	158 days	0%	Sat 17/4/21	Tue 26/10/21	NA	NA	Thu 19/8/21	Tue 1/3/22	102 days									
1102	Finishing Works and E&M installation	73 days	0 days	73 days	0%	Sat 17/4/21	Thu 15/7/21	NA	NA	Thu 19/8/21	Mon 15/11/21	102 days 3 days	1042FS+36 days			+	,				
1103	Pump Installation	60 days	0 days	60 days	0%	Fri 16/7/21	Fri 24/9/21	NA	NA	Tue 16/11/21	Thu 27/1/22	102 days 2 days	1102								
1104	Testing and Commissioning	25 days	0 days	25 days	0%	Sat 25/9/21	Tue 26/10/21	NA	NA	Fri 28/1/22	Tue 1/3/22	102 days 1 days	1102,1103					<u></u> .			
1105	Planned Completion for Section 1	0 days	0 days	0 days	0%	Mon 14/3/22	Mon 14/3/22	NA	NA	Tue 1/3/22	Tue 1/3/22	-13 days	1408,1414,1068,					14/3			
1106	Sections 2,4 and 8	824 days	0 days	824 days	0%	Mon 10/8/20	Wed 17/5/23	NA	NA	Mon 17/8/20	Wed 29/5/24	6 days									
1107	Offsite 14 units of precast box culvert with outfall fabrication	100 days	0 days	100 days	0%	Mon 19/10/20	Fri 19/2/21	NA	NA	Thu 3/12/20	Thu 8/4/21	38 days 30 days	406,414								
1108	MDN application	45 days	0 days	45 days	0%	Mon 26/10/20) Wed 9/12/20	NA	NA	Sun 21/1/24	Tue 5/3/24	1182 d 1 days									
1109	Demolition of Existing Seawall an Construction of Water Channel (Ch 0 to Ch30)	67 days	0 days	67 days	0%	Thu 10/12/20	Thu 4/3/21	NA	NA	Wed 6/3/24	Wed 29/5/24	962 days				1					
1110	Installation of Silt Curtain with Concrete Sinkers	6 days		6 days	0%		Wed 16/12/2		NA	Thu 23/5/24	Wed 29/5/24	1023 d 1 day	1108								
1111	Demolition of Existing Seawall	37 days		37 days	0%	Thu 10/12/20			NA	Wed 6/3/24		962 days 1 day	1108								
1112		30 days		30 days	0%	Tue 26/1/21		NA	NA	Tue 23/4/24	Wed 29/5/24	962 days 1 day	1111								
1113	CH86 to CH70 ELS Works	136 days		136 days	0%	Mon 10/8/20			NA	Mon 17/8/20	Sat 27/2/21	6 days			<u> </u>						
1114	Temporary Works Design Preparation	25 days		25 days	0%	Mon 10/8/20			NA NA	Mon 17/8/20	Mon 14/9/20	6 days 1 days									
1115	Comment by PM	25 days		25 days	0%	Tue 8/9/20	Thu 8/10/20		NA	Tue 15/9/20	Thu 15/10/20	6 days 1 days	1114								
1116	Sheetpiling Installation with Grouting & Pumping Test (56m long on plan)	50 days		50 days	0%	Fri 16/10/20	Mon 14/12/20		NA	Fri 16/10/20		0 days 1 day	1420,1423,1115								
1117	Excavation with Shoring Installation (1350 cu.m., 150 cu.m./d)	12 days		12 days	0%	Tue 15/12/20			NA NA	Tue 22/12/20	Thu 7/1/21	6 days 3 day	1116								
1117	Preparation of formation and laying of blinding layer	12 days		12 days 18 days	0%		Thu 21/1/21		NA NA	Thu 4/2/21	Sat 27/2/21	29 days 0.5 day	1117								
1119	CH70 to CH30 ELS Works				0%		Thu 7/1/21	NA NA		Mon 16/11/20			111/								
		43 days		43 days					NA NA			0 days	111600 25 3								
1120	Sheetpiling Installation (80m on plan)	14 days		14 days	0%		Thu 7/1/21		NA	Mon 16/11/20	Tue 1/12/20	0 days 0.5 day									
1121	Excavation with Shoring Installation (4500 cu.m., 160 cu.m./d x 1 team) and Preparation of Formation and Laying of Blinding Layer	29 days	0 days	29 days	0%	w ea 2/12/20	Thu 7/1/21	INA	NA	wea 2/12/20	ınu //1/21	0 days 1 day	1120								
1122	DCS Seawater Intake (Insitu Section Bay 15)	41 days	0 days	41 days	0%	Fri 8/1/21	Sat 27/2/21	NA	NA	Fri 8/1/21	Sat 27/2/21	0 days 1 days			1	t					
1123	Construction of Cast in-situ Box Culvert with feeder pipe installation with	41 days	0 days	41 days	0%	Fri 8/1/21	Sat 27/2/21	NA	NA	Fri 8/1/21	Sat 27/2/21	0 days 1 day	1117,1121			-					
	Connection to Extisting Box Culvert(Bay 15, approx. 12m long)																				
1124	Precast Units Installation	151 days		151 days	0%	Mon 1/3/21	Tue 31/8/21		NA	Mon 1/3/21	Tue 30/5/23	0 days					"				
1125	Preparation for Connecting Precast Units and Cast In-situ Bay 15	6 days		6 days	0%	Mon 1/3/21	Sat 6/3/21	NA	NA	Mon 1/3/21	Sat 6/3/21	0 days 1 days	1123,1118								
1126	Installation of 14 precast units with feeder pipe installation (2.5 days per unit)	37 days		37 days	0%	Mon 8/3/21	Thu 22/4/21		NA	Mon 8/3/21	Thu 22/4/21	0 days 2 days	1125,1107SS+75 days								
1127	Inspection Shaft Construction and Backfilling Upto +2.0mPD + Feeder Pipe Laying + Backfilling upto Final Formation Level	33 days	0 days	33 days	0%	Fri 23/4/21	Wed 2/6/21	NA	NA	Fri 23/4/21	Wed 2/6/21	0 days 0.5 day	1126								
1128	Seawall Reinstatement	75 days	0 days	75 days	0%	Thu 3/6/21	Tue 31/8/21	NA	NA	Sat 25/2/23	Tue 30/5/23	518 days 2 days	1127								
1129	Section 4: Part 2E	225 days		225 days	0%	Mon 15/8/22			NA	Sat 10/9/22	Tue 30/5/23	10 days									
1130	Abandon Existing DCS - Temp. Works Design and Method Statement Submission		-	0 days	0%	Mon 15/8/22			NA	Sat 10/9/22	Sat 10/9/22	26 days 1 day							♦ 15/8		
1131	Abandon Existing DCS - Temp. Works Design and Method Statement Comment &		-	35 days	0%	Mon 15/8/22			NA	Sat 10/9/22	Fri 14/10/22	26 days 1 day	1130								
1132	Appraoval Part 2E - Abandon of existing DCS	185 days	-	185 days	0%	Mon 3/10/22			NA	Sat 15/10/22	Tue 30/5/23	10 days 9 days	20,1131								
1133	Planned Completion for Section 4	0 days		0 days	0%	Wed 17/5/23			NA	Tue 30/5/23	Tue 30/5/23	10 days	1132								17/5
1134	Section 8: Part 2A - Diversion & abandon of extg DCS box culvert	194 days		194 days	0%	Thu 1/4/21	Wed 24/11/2		NA	Fri 9/4/21	Thu 2/12/21	4 days									
1134	Diversion & Abandon of Existing DCS Box Culvert - Temp. Works Design and	0 days		0 days	0%	Thu 1/4/21	Thu 1/4/21	NA NA	NA	Fri 9/4/21	Fri 9/4/21	8 days 1 day				1/4					
1136	Diversion & Abandon of Existing DCS Box Culvert - Temp. Works Design and Method Statement Submission Diversion & Abandon of Existing DCS Box Box Culvert - Temp. Works Design and			21 days	0%	Thu 1/4/21	Wed 21/4/21		NA NA	Fri 9/4/21	Thu 29/4/21		1135			1/4					
1170	Diversion & Adamdon of Existing DCS Box Box Curvert - Temp. works Design and Method Statement Comment & Appraoval	ı 21 udys	o uays	Z1 uays	0 /0	111U 1/4/21	w cu 21/4/21	IVA	IVA	111 714121	1114 2714/21	8 days 1 day	1133								
1137	TTA Implementation	1 day	0 days	1 day	0%	Thu 22/4/21	Thu 22/4/21	NA	NA	Fri 30/4/21	Fri 30/4/21	7 days 0.5 day	1136								
															<u> </u>						
Title: Dr. 1	1 Progravith Prograss	Summary			Inactive N	Milestone	>	Duration-	-only		Start-only	Е	External	Milestone	\$		Critical Spli	it			
litle: Rev.1 as of 22-N	1 Prog with Progress Split	Project Sum			Inactive S	Summary [Manual S	Summary Rollup		Finish-only	3	Deadline		•		Progress				
- == "	Milestone •	Inactive Tas	k		Manual T	`ask		Manual S	Summary		External Tas	ks	Critical				Manual Pro	gress			

							Con	tract No. ED/	/2018/01 K	TD Project															
Task	Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	sh Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2 Q3	04	01 0	2021	l O4	01	2022		04 (2 21 Q2	2023
.138	Sheetpile Installation	25 days		25 days	0%	Fri 23/4/21	Mon 24/5/21	NA	NA	Mon 3/5/21	Tue 1/6/21		1 day	1137	<u>χ</u>				¥*	71	<u> </u>			1 1/2	1 23
1139	Excavation with Shoring	52 days	0 days	52 days	0%	Tue 25/5/21	Mon 26/7/21	NA	NA	Wed 2/6/21	Tue 3/8/21	7 days	1 day	1138											
1140	Diversion of existing DCS box culvert	26 days	0 days	26 days	0%	Tue 27/7/21	Wed 25/8/21	NA	NA	Wed 4/8/21	Thu 2/9/21	7 days	2 days	1137,410,1139											
1141	Break up existing box culvert (4 walls) + top slab	35 days	0 days	35 days	0%	Thu 26/8/21	Thu 7/10/21	NA	NA	Fri 3/9/21	Sat 16/10/21	7 days	2 days	1140					i Th						
1142	Construct new walls at existing box culvert	20 days	0 days	20 days	0%	Fri 8/10/21	Mon 1/11/21	NA	NA	Mon 18/10/21	Tue 9/11/21	7 days	1 days	1141					1						
1143	Abandon existing DCS box culvert	20 days	0 days	20 days	0%	Tue 2/11/21	Wed 24/11/2	1 NA	NA	Wed 10/11/21	Thu 2/12/21	7 days	1 days	1142					X.						
1144	Planned Completion for Section 8	0 days	0 days	0 days	0%	Wed 24/11/21	Wed 24/11/2	1 NA	NA	Thu 2/12/21	Thu 2/12/21	7 days	0 days	1143					₽	94/11					
145 \$	Section 3	729 days		729 days	0%	Thu 16/5/19	Tue 26/10/21		NA	Tue 2/6/20	Tue 2/11/21	6 days													
146	Part 2C - Lift LT3 & LT4	729 days		729 days	0%	Thu 16/5/19	Tue 26/10/21		NA	Tue 2/6/20	Tue 2/11/21	6 days													
147	Access Date - Part 2A,2C	0 days		0 days	0%	Tue 2/6/20		NA	NA	Tue 2/6/20	Tue 2/6/20	0 days	0 days	4FS+369 days	2/6										
148	Mobilization of plant and materials	15 days		15 days	0%	Thu 16/5/19	Sat 1/6/19	NA	NA	Sat 4/7/20	Tue 21/7/20	337 days		11 51 505 days											
														1147											
149	TTA implementation	4 days		4 days	0%	Tue 2/6/20	Fri 5/6/20	NA	NA	Fri 17/7/20	Tue 21/7/20	37 days	1 day	1147											
150	Carry out Titpit and Identify Underground Utilities location	12 days		12 days	0%	Mon 15/6/20	Fri 26/6/20	NA	NA	Mon 22/6/20	Fri 3/7/20	7 days		4450											
151	Discuss with Relevant Utilities Undertakers	18 days		18 days	0%	Sat 27/6/20	Tue 14/7/20		NA	Sat 4/7/20	Tue 21/7/20	7 days		1150											
152	Slew CLP Cable and Abandon Telecom Cable (tentative)	75 days	0 days	75 days	0%	Wed 15/7/20	Mon 12/10/20		NA	Wed 22/7/20	Mon 19/10/20	6 days	4 days	1148,1149,1151											
153	Lift Tower Foundation - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Tue 4/8/20	Tue 4/8/20	NA	NA	Tue 15/9/20	Tue 15/9/20	42 days	1 day		4	8									
154	Lift Tower Foundation - Temp. Works Design and Method Statement Comment & Appraoval	35 days	0 days	35 days	0%	Tue 4/8/20	Mon 7/9/20	NA	NA	Tue 15/9/20	Mon 19/10/20	42 days	1 day	1153											
155	Intall Sheetpile, ELS, Excavation and Temp. Works Installation (Shoring, Drainage & Slope Protection)	38 days	0 days	38 days	0%	Tue 13/10/20	Thu 26/11/20	NA	NA	Tue 20/10/20	Thu 3/12/20	6 days	2 days	1154,1152								$\{\ \ \}$			
156	• /	38 days	0 days	38 days	0%	Fri 27/11/20	Wed 13/1/21	NA	NA	Fri 4/12/20	Wed 20/1/21	6 days	2 days	1148,1152,175,1											
157	Sheepile Extraction & Backilling	13 days	0 days	13 days	0%	Thu 14/1/21	Thu 28/1/21	NA	NA	Thu 21/1/21	Thu 4/2/21	6 days	1 day	1156											
158	Lift Tower - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20	NA	NA	Fri 1/1/21	Fri 1/1/21	60 days	1 day			4 2/11									
159	Lift Tower - Temp. Works Design and Method Statement Comment & Appraoval	35 days	0 days	35 days	0%	Mon 2/11/20	Sun 6/12/20	NA	NA	Fri 1/1/21	Thu 4/2/21	60 days	1 day	1158											
1160	Lift Shaft Tower: 3 Lifts x 20 day/Lift, Falsework & Formwork Erection, Rebar	63 days	0 days	63 days	0%	Fri 29/1/21	Mon 19/4/21	NA	NA	Fri 5/2/21	Mon 26/4/21	6 days	3 days	1156,1159,1157											
161	Fixing & Concreting Lift installation (LT3 & LT4)	90 days	0 days	90 days	0%	Tue 20/4/21	Fri 6/8/21	NA	NA	Tue 27/4/21	Fri 13/8/21	6 days	5 days	1160,713											
162	E & M installation	30 days	0 days	30 days	0%	Sat 7/8/21	Fri 10/9/21	NA	NA	Sat 14/8/21	Fri 17/9/21	6 days	3 days	1161											
163	Louvers and Glazing Installation	26 days	0 days	26 days	0%	Fri 21/5/21	Mon 21/6/21	NA	NA	Sat 14/8/21	Mon 13/9/21	71 days	2 days	1160FS+25 days											
164	Parapet Installation and Finishing Works	40 days		40 days	0%	Tue 22/6/21		NA	NA	Tue 14/9/21	Tue 2/11/21		4 days	1163											
165	CLP Meter Installation	0 days		0 days	0%	Mon 1/2/21	Mon 1/2/21		NA	Fri 20/8/21	Fri 20/8/21	200 days	1				112								
1166	EMSD Submission Form 5 for Lift Inspection		0 days	0 days	0%	Mon 1/3/21	Mon 1/3/21		NA	Fri 20/8/21	Fri 20/8/21		0.5 day	1165			1/2								
167	EMSD Lift Inspection		0 days	0 days	0%	Sun 14/3/21	Sun 14/3/21		NA	Fri 3/9/21	Fri 3/9/21	172 days	1	1166FS+14 days			1/3 3 14	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
	-													-				/b							
1168	Issuance of Lift Use Permit	0 days	1	0 days	0%	Mon 29/3/21	Mon 29/3/21		NA	Sat 18/9/21	Sat 18/9/21	172 days	1	1167FS+15 days											
1169	Testing & commissioning with Statutory Inspection	36 days		36 days	0%	Sat 11/9/21	Tue 26/10/21		NA	Sat 18/9/21	Tue 2/11/21	6 days		1162,1168											
1170	Footpath	28 days		28 days	0%	Tue 20/4/21	Mon 24/5/21		NA	Tue 8/6/21	Mon 12/7/21	40 days		1160											
171	Open Space within Part 2C	94 days		94 days	0%	Tue 25/5/21	Mon 13/9/21		NA	Tue 13/7/21	Tue 2/11/21	40 days		1170,1230											
172	Planned Completion for Section 3	0 days		0 days	0%	Tue 26/10/21	Tue 26/10/21		NA	Tue 2/11/21	Tue 2/11/21		0 days	1171,1168,1169,					9 426/	10					
173 \$	Sections 5 and 9: Noise Barrier Installation	380 days	6.83 days	373.17 days	0%	Fri 20/3/20	Sat 3/7/21	Fri 20/3/20	NA	Fri 20/3/20	Mon 5/7/21	1 day	1 day												
1174	1.0 Noise Barrier Shop Drawing Preparation, Offsite Fabrication	141 days	20.86 days	120.14 days	0%	Mon 6/4/20	Thu 24/9/20	Mon 6/4/20	NA	Mon 6/4/20	Mon 7/12/20	60 days		-											
1175	CNP and TTA available	0 days	0 days	0 days	0%	Wed 24/6/20	Wed 24/6/20	NA	NA	Thu 20/8/20	Thu 20/8/20	47 days	1 day		4 24/6										
1176	Expose the Extisting Noise Barrier Foundation	70 days	25 days	45 days	36%	Mon 6/4/20	Fri 3/7/20	Mon 6/4/20	NA	Mon 6/4/20	Tue 7/7/20	3 days	1 day												
1177	Implement TTA	2 days	0 days	2 days	0%	Mon 13/7/20	Tue 14/7/20	NA	NA	Wed 18/11/20	Thu 19/11/20	107 days	0.5 day												
178	Expose the Extisting Noise Barrier Foundation under Existing Footpath	15 days	0 days	15 days	0%	Wed 15/7/20	Fri 31/7/20	NA	NA	Fri 20/11/20	Mon 7/12/20	107 days	1 day	1177		$\parallel \parallel \parallel$									
179	Carry out the Site Survey for Existing Holding Down Bolt at Existing Landscaped	6 days	0 days	6 days	0%	Wed 24/6/20	Thu 2/7/20	NA	NA	Thu 20/8/20	Wed 26/8/20	47 days	1 day	1175											
1180	Deck Noise Barrier Shop Drawings Preparation	30 days	0 days	30 days	0%	Fri 31/7/20	Thu 3/9/20	NA	NA	Fri 21/8/20	Thu 24/9/20	18 days	0.5 day	1176FF+18 days											
1181	Noise Barrier Shop Drawings Comment by PM	18 days		18 days	0%	Fri 4/9/20	Thu 24/9/20	NA	NA	Fri 25/9/20	Sat 17/10/20	18 days	0.5 day	1180											
1182	PMAA Panel Material Sample Submission	0 days		0 days	0%	Sat 2/5/20	Sat 2/5/20	NA	NA	Sat 6/6/20	Sat 6/6/20	30 days	1		♠ 2/5										
				<u> </u>																			Щ		<u>Ш</u>
	I Prog with Progress	Summary Project Sun	nmary		Inactive M Inactive Su			Duration-or Manual Sur	nly nmary Rollup		Start-only Finish-only		C 3	Extem Deadli	al Milestone ne	.			Critical Sprogress		-				
as of 22-N	IaV-2U	Inactive Ta			Manual Ta			Manual Sur			External Tas	sks		Critica					Manual P		_			_	

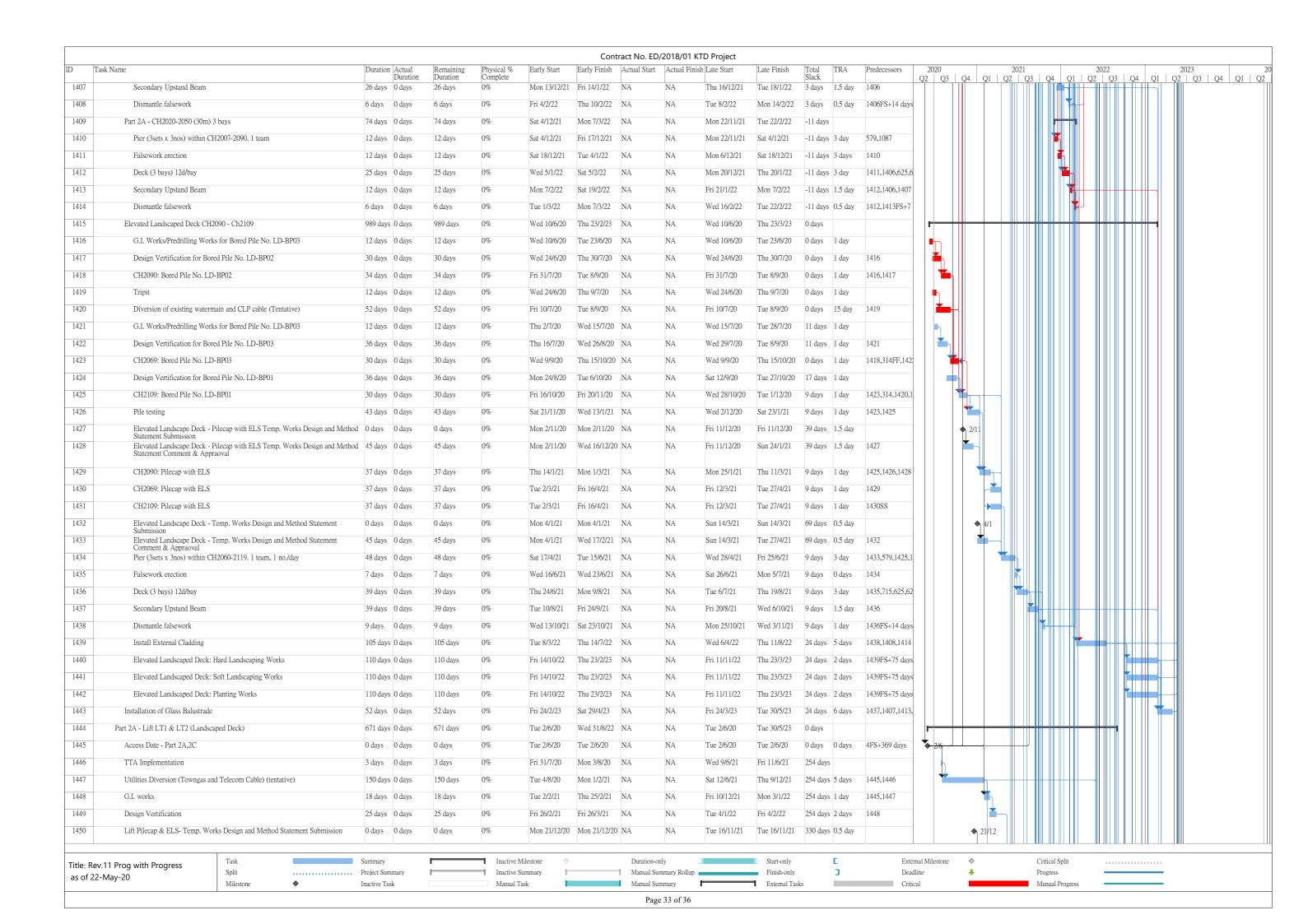
							Con	iliact No. LD	/2010/01 K	TD Project													
Task	Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	sh Late Start	Late Finish	Total Slack	TRA	Predecessors	2020	Q4 Q	202	21	04	Q1 Q2	2022	3 0	
33	PMAA Panel Material Comment and Approval by PM	18 days		18 days	0%	Sat 2/5/20	Fri 22/5/20	NA	NA	Sat 6/6/20	Sat 27/6/20	30 days	1 days	1182	Z2 Q3		1 Q2			4 4			Ш
34	PMAA Panel Material Coloring Sample Submission	0 days	0 days	0 days	0%	Thu 4/6/20	Thu 4/6/20	NA	NA	Mon 29/6/20	Mon 29/6/20	20 days	1 days	1183	4/6								
35	PMAA Panel Material Coloring Sample Comment and Approval by PM	10 days	0 days	10 days	0%	Thu 4/6/20	Mon 15/6/20	NA	NA	Mon 29/6/20	Fri 10/7/20	20 days	1 days	1184									
36	Material Testing and Offsite Fabrication	247 days	o days	247 days	0%	Mon 1/6/20	Tue 2/2/21	NA	NA	Wed 10/6/20	Wed 17/2/21	9 days											
37	Holding Down Bolt Procurement	61 days	0 days	61 days	0%	Fri 5/6/20	Tue 4/8/20	NA	NA	Wed 10/6/20	Sun 9/8/20	5 days	1 days										
38	Holding Down Bolt Testing	45 days	0 days	45 days	0%	Wed 5/8/20	Fri 18/9/20	NA	NA	Mon 10/8/20	Wed 23/9/20	5 days	1 day	1187									
39	Structural Steelwork Procurement	81 days		81 days	0%	Mon 1/6/20	Thu 20/8/20		NA	Sat 13/6/20	Tue 1/9/20	12 days											
90	Structural Steel Frame Material Testing	46 days		46 days	0%	Fri 21/8/20	Mon 5/10/20		NA	Wed 2/9/20	Sat 17/10/20	12 days		1189									
91	Structural Steel Frame Fabrication and Delivery	120 days		120 days	0%	Tue 6/10/20	Tue 2/2/21		NA	Sun 18/10/20	Sun 14/2/21			1181,1190									
92	·											12 days											
	Structural Steel Frame Start Delivery to Stie	0 days		0 days	0%	Wed 25/11/20			NA	Tue 8/12/20	Tue 8/12/20	12 days		1191SS+51 days		25/11							
93	Polymethyl Metharylate (PMMA) and Associated Aluminium Sub-frame Procurement	121 days		121 days	0%	Tue 16/6/20	Wed 14/10/2		NA	Sat 11/7/20	Sun 8/11/20	25 days		1185									
94	Polymethyl Metharylate (PMMA) panel fabrication and delivery	101 days		101 days	0%	Thu 15/10/20	Sat 23/1/21	NA	NA	Mon 9/11/20	Wed 17/2/21	25 days	30 days	1193,1181									
95	Temp Works Design for Noise Barrier	106 days	0 days	106 days	0%	Sat 13/6/20	Mon 19/10/2	0 NA	NA	Fri 19/6/20	Sat 24/10/20	5 days				7							
96	ELS Design Preparation for Noise Barrier with ICE	18 days	0 days	18 days	0%	Wed 17/6/20	Thu 9/7/20	NA	NA	Tue 23/6/20	Wed 15/7/20	5 days	1 day										
97	ELS Design for Noise Barrier Comment by AECOM	21 days	0 days	21 days	0%	Fri 10/7/20	Thu 30/7/20	NA	NA	Thu 16/7/20	Wed 5/8/20	6 days	1 day	1196									
98	Temporary Works Platform Design Preparation	36 days	0 days	36 days	0%	Sat 13/6/20	Mon 27/7/20	NA	NA	Fri 19/6/20	Sat 1/8/20	5 days	1 day										
99	Temporary Working Platform Design Submit for AECOM Comment	19 days	0 days	19 days	0%	Tue 28/7/20	Tue 18/8/20	NA	NA	Mon 3/8/20	Mon 24/8/20	5 days	1 day	1198									
00	Temporary Working Platform Fabrication	51 days	0 days	51 days	0%	Wed 19/8/20	Mon 19/10/2	0 NA	NA	Tue 25/8/20	Sat 24/10/20	5 days	1 day	1199									
01	2.0 Noise Barrier Footing and Modification Existing Column Stud	184 days	2.71 days	181.29 days	0%	Fri 20/3/20	Sat 19/9/20	Fri 20/3/20	NA	Fri 20/3/20	Wed 23/9/20	4 days		_									
)2	Take up the Works Area	1 day	1 day	0 days	0%	Fri 20/3/20	Fri 20/3/20	Fri 20/3/20	Fri 20/3/20	Fri 20/3/20	Fri 20/3/20	0 days											
3	Ground Investigation Works	25 days	0 days	25 days	0%	Sat 4/7/20	Sat 1/8/20	NA	NA	Wed 8/7/20	Wed 5/8/20	3 days	1 day	1176									
)4	Diversion of Existing Utilities and ELS Construction	42 days		42 days	0%	Mon 3/8/20	Sat 19/9/20	NA	NA	Thu 6/8/20	Wed 23/9/20		1 day	1197,1203									
)5	Fooing with Column Stud Construction	61 days		61 days	0%	Wed 23/9/20			NA	Thu 24/9/20	Mon 7/12/20	1 day											
)6	Bay 1 & 3 Fooing with Column Stud and Modification of Existing Column Stud	10 days			0%	Wed 23/9/20	Tue 6/10/20		NA	Thu 24/9/20	Wed 7/10/20		1 dov	1188,1204,184FI									
	along Bay 1 & 3			10 days									1 day			1							
7	Bay 2 & 4 Fooing with Column Stud and Modification of Existing Column along Bay 2&4	10 days		10 days	0%	Wed 7/10/20	Sat 17/10/20		NA	Thu 8/10/20	Mon 19/10/20		1 day	1206									
08	Bay 5 & 7 Fooing with Column Stud, Modification of Existing Stud along Bay 5&7			10 days	0%		Fri 30/10/20		NA	Tue 20/10/20	Sat 31/10/20		1 day	1207									
9	Bay 6 Fooing with Column Stud, Modification of Existing Stud along Bay 6	10 days	-	10 days	0%		Wed 11/11/2		NA	Mon 2/11/20	Thu 12/11/20	1 day	1 day	1208									
.0	Backfill and extract sheet pile	21 days	0 days	21 days	0%	Thu 12/11/20	Sat 5/12/20	NA	NA	Fri 13/11/20	Mon 7/12/20	1 day	1 day	1209									
.1	Modification of Remaining Colum Stud	50 days	0 days	50 days	0%	Mon 7/12/20	Fri 5/2/21	NA	NA	Tue 8/12/20	Sat 6/2/21	1 day	1 day										
12	Modification of Remaining Column Stud	50 days	0 days	50 days	0%	Mon 7/12/20	Fri 5/2/21	NA	NA	Tue 8/12/20	Sat 6/2/21	1 day	1 day	1210,1178									
13	Noise Barrier Installation	258 days	0 days	258 days	0%	Wed 19/8/20	Sat 3/7/21	NA	NA	Sat 26/9/20	Mon 5/7/21	1 day	1 day		-								
14	CNP Application	31 days	0 days	31 days	0%	Wed 19/8/20	Fri 18/9/20	NA	NA	Sat 26/9/20	Mon 26/10/20	38 days	1 day	1199		+							
15	Temporary Platform Delivery to Site	0 days	0 days	0 days	0%	Mon 19/10/20	Mon 19/10/2	0 NA	NA	Tue 27/10/20	Tue 27/10/20	5 days	0.5 day	1200		19/10							
16	Temporary Platform On-site Assembly (Night Time)	36 days	0 days	36 days	0%	Tue 20/10/20	Tue 1/12/20	NA	NA	Tue 27/10/20	Mon 7/12/20	5 days	0.5 day	1214,1215									
17	Structural Steel Frame Installation	119 days	o days	119 days	0%	Mon 7/12/20	Wed 5/5/21	NA	NA	Tue 8/12/20	Thu 6/5/21	1 day	1 day	1192,1212SS,12									
18	PMMA and Associated Aluminum Sub-frame Installation	117 days	o days	117 days	0%	Fri 8/1/21	Wed 2/6/21	NA	NA	Sat 9/1/21	Thu 3/6/21	1 day	1 day	1194SS+50 days				41 11					
19	Lighting Installation	25 days	0 days	25 days	0%	Thu 3/6/21	Sat 3/7/21	NA	NA	Fri 4/6/21	Mon 5/7/21	1 day	1 day	1218FF+25 days									
20	Rainwater downpipe	25 days		25 days	0%	Thu 3/6/21	Sat 3/7/21	NA	NA	Fri 4/6/21	Mon 5/7/21		1 day	1218FF+25 days									
21	Bus Lay-by	25 days		25 days	0%	Thu 3/6/21	Sat 3/7/21	NA	NA	Fri 4/6/21	Mon 5/7/21	1 day		1218FF+25 days									
									NA	Mon 5/7/21			O dove					200					
22	Planned Completion for Section 5 & Section 9	0 days		0 days	0%	Sat 3/7/21		NA			Mon 5/7/21		0 days	1218,1219,1220,				7 37 /					
	ection 6		ys 8.73 days	1192.27 days?		Thu 16/5/19		Thu 16/5/19		Thu 16/5/19	Wed 29/5/24	298 da											
24	Fencing (15m/d) & Hoarding Erection (10m/d)				0%	Tue 15/10/19				Tue 15/10/19	Fri 30/12/22	42 days											
25	Hoarding - Part 1 (~57m)	51 days		51 days	0%	Tue 1/12/20	Mon 1/2/21		NA	Wed 21/9/22	Mon 21/11/22		_	121,8									
26	Fencing - Part 1 (758m)	6 days	0 days	6 days	0%	Sat 19/9/20	Fri 25/9/20	NA	NA	Mon 1/3/21	Sat 6/3/21	130 days	0 days	121,8									
27	Fencing - Part 2A (~458m) - 4 team	12 days	0 days	12 days	0%	Wed 3/2/21	Fri 19/2/21	NA	NA	Sat 5/2/22	Fri 18/2/22	296 days	1 days	9,121,1147,1445									
a. Pov 1	1 Prog with Progress	Summary	<u>'</u>		Inactive M	filestone \diamondsuit	1	Duration-o	nly		Start-only			Externa	l Milestone	♦	1 1 1111111	Cri	itical Split	<u> </u>	<u> </u>		
	ay-20 Split	Project Sur	nmary		Inactive St	ummary		Manual Su	mmary Rollup		Finish-only External Tas		3	Deadlin	ie	•		Prc	ogress	gress	_		_



							Con	tract No. ED,	/2018/01 K	TD Project												_
Task N	Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	h Late Start	Late Finish	Total TRA Slack		2020 2 03	Q4 Q1	2021	03 1	04		2022 2 Q3	04	01
72	CH2000 - CH2060 (~84m, 2 M/H) - S.D. Rd	14 days		14 days	0%	Thu 6/1/22	Fri 21/1/22	NA	NA	Mon 5/9/22	Wed 21/9/22	198 days 1 days	1085SS+12 days	2 Q3	Q4 Q1	, QZ			1 Q2		Q4	QI
73	CH2060 - CH2118.93 (~50.7m, 2 M/H) - Rd D3	14 days	0 days	14 days	0%	Mon 4/10/21	Wed 20/10/21	NA	NA	Fri 3/12/21	Sat 18/12/21	51 days 1 days	1267				I A					,
74	CH100 - CH147 (~169m, 5 M/H) - L12 Road	38 days	0 days	38 days	0%	Mon 2/5/22	Wed 15/6/22	NA	NA	Sat 2/7/22	Mon 15/8/22	51 days 3 days	1275,1229									,
75	Open Space & Promenade (~457m, 11 M/H)	76 days	0 days	76 days	0%	Tue 25/1/22	Sat 30/4/22	NA	NA	Tue 29/3/22	Thu 30/6/22	51 days 6 days	1504,458,459,12						4	$\ \cdot\ $,
76	L12d Stormwater	50 days	0 days	50 days	0%	Thu 21/10/21	Fri 17/12/21	NA	NA	Wed 26/1/22	Mon 28/3/22	80 days	1273,490				1			4		,
77	Sewerage Drainage	496 days	0 days	496 days	0%	Tue 1/12/20	Wed 3/8/22	NA	NA	Sat 29/5/21	Wed 5/10/22	51 days								 		,
78	Procurement of Sewerage Pipes	90 days	0 days	90 days	0%	Tue 1/12/20	Sun 28/2/21	NA	NA	Sat 29/5/21	Thu 26/8/21	179 days 0.5 days										,
79	Sewerage Drainage - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Wed 2/6/21	Wed 2/6/21	NA	NA	Sat 28/8/21	Sat 28/8/21	87 days 0.5 days				4 2/	6					,
30	Sewerage Drainage - Temp. Works Design and Method Statement Comment &	21 days	0 days	21 days	0%	Wed 2/6/21	Tue 22/6/21	NA	NA	Sat 28/8/21	Fri 17/9/21	87 days 0.5 days	1279									,
1	Appraoval CH1000 - CH1087 (~68m, 3 M/H)	19 days	0 days	19 days	0%	Tue 15/6/21	Wed 7/7/21	NA	NA	Fri 27/8/21	Fri 17/9/21	62 days 1 days	428,451,465,466									,
2	CH1087 - CH1189.4 (~47m, 1 no M/H)	14 days	0 days	14 days	0%	Sat 4/9/21	Mon 20/9/21	NA	NA	Sat 18/9/21	Wed 6/10/21	12 days 1 days	1265,1278,1280,									,
33	CH100 - CH147 (~156m, 6 M/H) - L12 Road	41 days		41 days	0%	Thu 16/6/22	Wed 3/8/22	NA	NA	Tue 16/8/22	Wed 5/10/22	51 days 3 days	1274,1280,1275,									,
	Underground Watermain	629 days		629 days	0%	Tue 15/12/20	Fri 27/1/23		NA	Fri 14/5/21	Thu 16/3/23	41 days	127 1,1200,1273,									<u>.</u>
285	Fresh Watermain	519 days		519 days	0%	Tue 15/12/20	Wed 14/9/22		NA	Fri 14/5/21	Thu 16/3/23	119 days										.
286	Fresh Watermain - Method Statement Submission	0 days		0 days	0%	Tue 1/6/21	Tue 1/6/21		NA NA	Sat 7/8/21	Sat 7/8/21	67 days 1 days				1 /	15			/ [*]		$\ \ $
287	Fresh Watermain - Ivietnod Statement Submission Fresh Watermain Method Statement Comment & Appraoval				0%	Tue 1/6/21	Mon 5/7/21			Sat 7/8/21	Fri 10/9/21		1286									$\ \ $
88	**	35 days		35 days					NA NA			67 days 1 days	1286									$\ \ $
	Fresh Watermain Procurement	120 days		120 days	0%	Mon 11/1/21	Mon 10/5/21		NA	Fri 14/5/21	Fri 10/9/21	123 days 1 days	1000 1007									$\ \ $
39	CH1000 - CH1087 (~191m) Rd D3	20 days		20 days	0%	Tue 6/7/21	Wed 28/7/21		NA	Sat 11/9/21	Wed 6/10/21	58 days 1 days	1288,1287									$\ \ $
90	CH1087 - CH1189.4 (~212m) - N. Ramp	4 days		4 days	0%	Tue 21/9/21	Sat 25/9/21		NA	Thu 7/10/21	Mon 11/10/21		1282,467,1289									$\ \ $
1	CH1189.4 - CH1394 (~409.2m) - Bridge D3	42 days		42 days	0%	Tue 10/8/21	Tue 28/9/21		NA	Fri 15/10/21	Thu 2/12/21	54 days 2 days	1288,944FF									$\ \ $
2	CH1394 - CH1444.7 (~101.4m) - S. Ramp	10 days	0 days	10 days	0%	Tue 6/7/21	Fri 16/7/21	NA	NA	Mon 15/8/22	Thu 25/8/22	332 days 0 days	988SS+10 days,									,
3	CH1444.7 - CH1560 (~165m) - Rd D3	30 days	0 days	30 days	0%	Mon 12/7/21	Sat 14/8/21	NA	NA	Sat 27/11/21	Tue 4/1/22	116 days 0 days	988SS+15 days									,
4	CH1720 - CH1920 (~25m) - Underpass	2 days	0 days	2 days	0%	Fri 17/12/21	Sat 18/12/21	NA	NA	Fri 16/9/22	Sat 17/9/22	221 days 0 days	1270,444									,
	CH2060 - CH2118.93 (~47m) - Rd D3	2 days	0 days	2 days	0%	Sat 16/10/21	Mon 18/10/21	NA	NA	Wed 15/12/21	Thu 16/12/21	51 days 0 days	1273SS+10 days									,
	CH100 - CH147 (~280m) - L12 Road	30 days	0 days	30 days	0%	Tue 17/5/22	Tue 21/6/22	NA	NA	Tue 28/6/22	Tue 2/8/22	35 days 2 days	1297									,
7	Open Space & Promenade (~1,093m)	110 days	0 days	110 days	0%	Thu 30/12/21	Mon 16/5/22	NA	NA	Wed 12/1/22	Fri 27/5/22	10 days 1 day	1497,458,111							HIII		,
	Freshwater main across Kai Tak River	50 days	0 days	50 days	0%	Tue 17/5/22	Fri 15/7/22	NA	NA	Tue 15/11/22	Thu 12/1/23	151 days 1 day	1297,514						1111			,
)	L12d Freshwater	50 days	0 days	50 days	0%	Tue 15/12/20	Wed 17/2/21	NA	NA	Tue 15/11/22	Thu 12/1/23	569 days	498									,
)	Fresh Watermain T&C	51 days	0 days	51 days	0%	Sat 16/7/22	Wed 14/9/22	NA	NA	Fri 13/1/23	Thu 16/3/23	151 days 1 day	1297,1296,1298,									+
)1	Salt Watermain	591 days	0 days	591 days	0%	Mon 1/2/21	Fri 27/1/23	NA	NA	Sun 20/6/21	Thu 16/3/23	41 days										1
)2	Salt Watermain - Method Statement Submission	0 days	0 days	0 days	0%	Mon 24/5/21	Mon 24/5/21	NA	NA	Mon 13/9/21	Mon 13/9/21	112 days 1 day				4 24	15					,
)3	Salt Watermain Method Statement Comment & Appraoval	35 days	0 days	35 days	0%	Mon 24/5/21	Sun 27/6/21	NA	NA	Mon 13/9/21	Sun 17/10/21	112 days 1 day	1302									$\ \ $
)4	Salt Watermain Procurement	120 days	0 days	120 days	0%	Mon 1/2/21	Mon 31/5/21	NA	NA	Sun 20/6/21	Sun 17/10/21	139 days 1 day										$\ \ $
)5	CH1000 - CH1087 (~157m) Rd D3	15 days	0 days	15 days	0%	Mon 28/6/21	Thu 15/7/21	NA	NA	Thu 18/8/22	Sat 3/9/22	341 days 1 days	1304,1303									$\ \ $
06	CH1087 - CH1189.4 (~218m) - N. Ramp	4 days	0 days	4 days	0%	Mon 27/9/21	Thu 30/9/21	NA	NA	Tue 12/10/21	Sat 16/10/21	12 days 1 day	1290									$\ \ $
)7	CH1189.4 - CH1394 (~409.2m) - Bridge D3	40 days	0 days	40 days	0%	Sat 2/10/21	Thu 18/11/21	NA	NA	Mon 18/10/21	Thu 2/12/21	12 days 0.5 days	1291SS,1303,45									$\ \ $
08	CH1394 - CH1444.7 (~101.4m) - S. Ramp	10 days	0 days	10 days	0%	Sat 17/7/21	Wed 28/7/21	NA	NA	Fri 26/8/22	Tue 6/9/22	332 days 1 day	1292									$\ \ $
09	CH1444.7 - CH1560 (~165m) - Rd D3	18 days		18 days	0%	Mon 16/8/21	Sat 4/9/21	NA	NA	Wed 29/6/22	Wed 20/7/22	258 days 1 day	1293									$\ \ $
10	CH1560 - CH1720 (~160m) - NDR	50 days		50 days	0%	Fri 19/11/21	Wed 19/1/22		NA	Thu 21/7/22	Sat 17/9/22	197 days	1307,1309,444									$\ \ $
1	CH1720 - CH1920 (~25m) - Underpass	3 days		3 days	0%	Thu 20/1/22	Sat 22/1/22		NA	Mon 19/9/22	Wed 21/9/22	197 days 1 day	1294,1310						4111			$\ \ $
2	CH2060 - CH2118.93 (~47m) - Rd D3	2 days		2 days	0%	Mon 24/1/22	Tue 25/1/22		NA	Thu 22/9/22	Fri 23/9/22	197 days 0 days	1295,1311									$\ \ $
3	CH100 - CH147 (~455m) - L12 Road	47 days		2 days 47 days	0%		Tue 16/8/22		NA	Wed 3/8/22	Tue 27/9/22	35 days 2 days	1295,1311									$\ \ $
14	L12d Salt Watermain	50 days		50 days	0%	Wed 22/0/22 Wed 17/8/22	Mon 17/10/22		NA NA	Wed 3/6/22 Wed 16/11/22	Fri 13/1/23	75 days 1 day	1313,498									$\ \ $
				-									,									$\ \ $
315	Open Space & Promenade (~1,093m)	110 days		110 days	0%	Tue 17/5/22	Sat 24/9/22		NA	Sat 28/5/22	Sat 8/10/22	10 days 1 day	1297,458									$\ \ $
316	Saltwater main across Kai Tak River	51 days	U days	51 days	0%	Mon 26/9/22	Fn 25/11/22	NA	NA	Tue 15/11/22	Fri 13/1/23	41 days 1 day	1315,514									Ш
le: Rev.11	Prog with Progress	Summary			Inactive M			Duration-or	-		Start-only	E .		Milestone	♦			ical Split				
	split Split	Project Sun	nmary	U .	Inactive S	ummary		Manual Sur	nmary Rollup		Finish-only	3	Deadline		4		Prog	gress				

							COI	itiact IVO. LD	/2010/011	TD Project											
Task N	Name	Duration	n Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Fini	sh Late Start	Late Finish	Total TRA Slack	Predecessors 2020	04 0:	202	.1	04 0.		022	04	\1
17	Salt Watermain T&C	50 days	0 days	50 days	0%	Sat 26/11/22	Fri 27/1/23	NA	NA	Sat 14/1/23	Thu 16/3/23	41 days 1 day	Q2 Q3 1312,1315,1316,	Q4 Q1	Q2	Q3 Q	24 Q1	Q2	Q3	Q4 Q	1 (
8	Irrigation System	535 days	s 0 days	535 days	0%	Tue 5/1/21	Sat 22/10/22	NA	NA	Wed 16/6/21	Thu 16/3/23	120 days		╢╺┼┼						a III	
19	Irrigation System - Method Statement Submission	0 days	0 days	0 days	0%	Sun 20/6/21	Sun 20/6/21	NA	NA	Thu 4/11/21	Thu 4/11/21	137 days 1 day				20/6					
20	Irrigation System Method Statement Comment & Appraoval	21 days	0 days	21 days	0%	Sun 20/6/21	Sat 10/7/21	NA	NA	Thu 4/11/21	Wed 24/11/21	137 days 1 day	1319			,					
1	Irrigation Pipe and System Procurement	150 days	s 0 days	150 days	0%	Tue 5/1/21	Thu 3/6/21	NA	NA	Wed 16/6/21	Fri 12/11/21	162 days 1 day		╢ -							
22	CH1000 - CH1087 (~87m) Rd D3	5 days	0 days	5 days	0%	Fri 16/7/21	Wed 21/7/21	NA	NA	Mon 5/9/22	Fri 9/9/22	341 days 0 days	1305,1321								
23	CH1087 - CH1189.4 (~205m) - N. Ramp		0 days	10 days	0%	Mon 7/6/21	Fri 18/6/21	NA	NA	Sat 13/11/21	Wed 24/11/21	132 days 1 day	1321								
14	CH1189.4 - CH1394 (~409.2m) - Bridge D3		0 days	7 days	0%	Sat 2/10/21	Sat 9/10/21	NA	NA	Thu 25/11/21	Thu 2/12/21	45 days 0 days	1307SS,1320,13								
5	CH1394 - CH1444.7 (~101.4m) - S. Ramp	3 days	0 days	3 days	0%	Thu 29/7/21	Sat 31/7/21	NA	NA	Wed 7/9/22	Fri 9/9/22	332 days 0 days	1308								
5	CH1444.7 - CH1560 (~175m) - Rd D3	4 days	0 days	4 days	0%	Mon 6/9/21			NA	Mon 12/9/22	Thu 15/9/22	302 days 0 days	1309,1322,1325								
7	CH1920 - CH2000 (~160m) S.D. Rd		0 days		0%	Thu 6/1/22	Tue 11/1/22		NA	Fri 16/9/22	Wed 21/9/22	207 days 1 day	1271,1326								
	· ´			5 days																	
28	CH2000 - CH2060 (~60m) - S.D. Rd		0 days	2 days	0%	Sat 22/1/22	Mon 24/1/22		NA	Thu 22/9/22	Fri 23/9/22	198 days 0 days	1272,1327								
29	CH2060 - CH2118.93 (~100m) - Rd D3	3 days	0 days	3 days	0%	Wed 26/1/22	Fri 28/1/22		NA	Sat 24/9/22	Tue 27/9/22	197 days 0 days	1312,1328								
30	CH100 - CH147 (~173m) - L12 Road	5 days	0 days	5 days	0%	Wed 17/8/22	Mon 22/8/22		NA	Wed 28/9/22	Wed 5/10/22	35 days 1 day	1313,1329								
31	Irrigation System T&C		0 days	50 days	0%	Tue 23/8/22	Sat 22/10/22		NA	Sat 14/1/23	Thu 16/3/23	120 days 1 day	1330								\parallel
	Salt Water and Sewage Pumping Station		s 0 days	637 days	0%	Sat 27/3/21	Thu 18/5/23		NA	Wed 28/7/21	Tue 30/5/23	8 days									
3	Salt Water Pumping Station - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 2/8/21	Mon 2/8/21	NA	NA	Fri 10/9/21	Fri 10/9/21	39 days 1 day				2/8					
34	Salt Water Pumping Station - Temp. Works Design and Method Statement Comme & Appraoval	nt 35 days	0 days	35 days	0%	Mon 2/8/21	Sun 5/9/21	NA	NA	Fri 10/9/21	Thu 14/10/21	39 days 1 day	1333								
5	Utilities Diversion	65 days	0 days	65 days	0%	Mon 21/6/21	Sat 4/9/21	NA	NA	Wed 28/7/21	Wed 13/10/21	31 days 15 day									
6	Substructure	100 days	s 0 days	100 days	0%	Tue 5/10/21	Sat 5/2/22	NA	NA	Fri 15/10/21	Tue 15/2/22	8 days									
7	Sheetpile Installation	25 days	0 days	25 days	0%	Tue 5/10/21	Wed 3/11/21	NA	NA	Fri 15/10/21	Fri 12/11/21	8 days 5 days	148,1334,1335,1				h III				
8	Excavation and Shoring Installation	50 days	0 days	50 days	0%	Thu 4/11/21	Tue 4/1/22	NA	NA	Sat 13/11/21	Thu 13/1/22	8 days 5 days	1337								
9	Base Slab Construction include blinding layer	25 days	0 days	25 days	0%	Wed 5/1/22	Sat 5/2/22	NA	NA	Fri 14/1/22	Tue 15/2/22	8 days 3 days	1338,149FS+120								
)	Superstructure	460 days	s 0 days	460 days	0%	Fri 24/9/21	Wed 12/4/23	NA	NA	Wed 16/2/22	Mon 29/5/23	38 days						-			-
	Coordination with CLP to plan for Layout and Details of Transformer Room	0 days	0 days	0 days	0%	Fri 24/9/21	Fri 24/9/21	NA	NA	Sat 4/6/22	Sat 4/6/22	253 days				⇔ 2-	4/)	+			
2	Scaflold, Falsework and Formwork Erection	28 days	0 days	28 days	0%	Mon 7/2/22	Thu 10/3/22	NA	NA	Wed 16/2/22	Sat 19/3/22	8 days 2 days	1339,719,531,54					4			
3	Wall Rebar Fixing & Concreting	24 days	0 days	24 days	0%	Fri 11/3/22	Fri 8/4/22	NA	NA	Mon 21/3/22	Thu 21/4/22	8 days 1 day	1342								
4	Top Slab and Beam: Rebar Fixing and Formwork	36 days	0 days	36 days	0%	Sat 9/4/22	Tue 24/5/22	NA	NA	Fri 22/4/22	Thu 2/6/22	8 days 2 days	1343								
5	Formwork & Falsework Removal	28 days	0 days	28 days	0%	Wed 25/5/22	Mon 27/6/22	NA	NA	Sat 4/6/22	Thu 7/7/22	8 days 1 day	1344,1341								
16	Watertightnes Test	15 days		15 days	0%	Tue 28/6/22	Fri 15/7/22	NA	NA	Fri 19/8/22	Mon 5/9/22	44 days 1 day	1345								
47	Backfilling & Sheetpile Removal	24 days		24 days	0%	Tue 28/6/22	Tue 26/7/22		NA	Tue 9/8/22	Mon 5/9/22	35 days 2 days	1345								
48	Water Chamber Construction		0 days	36 days	0%	Tue 28/6/22	Tue 9/8/22		NA	Fri 8/7/22	Thu 18/8/22	8 days 1 day	1345								
49	Watertightnes Test for Water Chamber		0 days	15 days	0%		Fri 26/8/22		NA	Fri 19/8/22	Mon 5/9/22	8 days 1 day	1348								
50	Drainage and Roadworks		0 days	80 days	0%	Wed 10/8/22 Wed 27/7/22	Mon 31/10/2		NA	Sat 18/2/23	Mon 29/5/23	170 days 5 days	1347,383								
													1347,383								
52	Utilities Laying		o days	105 days	0%	Wed 27/7/22	Tue 29/11/22		NA	Tue 6/9/22	Tue 10/1/23	35 days 5 days	714,1345,555,13								
	Finishing work and fitting out	75 days		75 days		Sat 27/8/22	Fri 25/11/22		NA	Tue 6/9/22	Mon 5/12/22	8 days 1 day									
53	Tx Installation with T&C		0 days	60 days	0%	Tue 15/11/22			NA	Thu 24/11/22	Mon 6/2/23	8 days 1 day	1346,1352FF+50								\blacksquare
54	PCCW Installation	15 days		15 days	0%	Wed 30/11/22			NA	Fri 24/2/23		70 days 1 day	1351,1346								
55	Ironmongery work		0 days	24 days	0%	Sat 26/11/22			NA	Tue 14/2/23	Mon 13/3/23	64 days 0.5 days									1
56	E&M installation		s 0 days	100 days	0%	Thu 3/11/22	Fri 3/3/23		NA	Sat 12/11/22	Mon 13/3/23	8 days 5 days	1345,1353FF+30								1
7	Testing and Commissioning	30 days	0 days	30 days	0%	Sat 4/3/23	Wed 12/4/23	NA	NA	Tue 14/3/23	Fri 21/4/23	8 days 2 days	1356,1355,1351,								
8	WSD Form 46 Part I & II Submission	0 days	0 days	0 days	0%	Sat 27/3/21	Sat 27/3/21	NA	NA	Sat 22/4/23	Sat 22/4/23	615 days 0.5 days		·	♦ 27/3						
59	WSD Form 46 Part 46 Part IV Submission	0 days	0 days	0 days	0%	Tue 15/3/22	Tue 15/3/22	NA	NA	Sat 22/4/23	Sat 22/4/23	329 days 0.5 days	1358					15/3			#1
50	CLP Meter Installation	0 days	0 days	0 days	0%	Sun 19/6/22	Sun 19/6/22	NA	NA	Sat 22/4/23	Sat 22/4/23	251 days 0.5 days							19/6		+
51	FSD Form 501 Submission for FS Inspection	0 days	0 days	0 days	0%	Wed 12/4/23	Wed 12/4/23	NA	NA	Sat 22/4/23	Sat 22/4/23	8 days 0.5 days	1359,1360,1357								•
o. Dov. 11	Prograith Progress Task	Summary			Inactive M	lilestone 🔷		Duration-c	nly		Start-only	Е	External Milestone	**		Criti	ical Split				
e: KeV.II	Prog with Progress	Project Sur	nmary		Inactive Su				mmary Rollup		Finish-only	3	Deadline	4		Progr					_

			1					tract No. ED/		<u>=</u>													
Task	Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	1 Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2 Q3 (Q4 Q1	2021 Q2		Q4 (2022 2 Q3	Q4	Q1
2	FSD Inspection	0 days	0 days	0 days	0%	Sat 29/4/23	Sat 29/4/23	NA	NA	Thu 11/5/23	Thu 11/5/23	8 days	0.5 days	1361FS+15 days									
3	Issuance of FS Certificate	0 days	0 days	0 days	0%	Thu 18/5/23	Thu 18/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	8 days	0.5 days	1362FS+15 days									
4	Salt Water and Sewage Pumping Station: Landscaping hardworks and softworks	110 days	o days	110 days	0%	Wed 30/11/22	Sat 15/4/23	NA	NA	Wed 11/1/23	Mon 29/5/23	35 days	2 days	562,1351,548									
5	Salt Water and Sewage Pumping Station: Planting Works	110 days	s 0 days	110 days	0%	Wed 30/11/22	Sat 15/4/23	NA	NA	Wed 11/1/23	Mon 29/5/23	35 days	2 days	562,1351,548									
6	Section 6 Completion	0 days	0 days	0 days	0%	Tue 30/5/23	Tue 30/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	0 days		1350,1363,1364,									
7	Seawater Intake Box Culvert (~169m)	647 days	s 0 days	647 days	0%	Fri 5/3/21	Mon 8/5/23	NA	NA	Fri 5/3/21	Tue 30/5/23	0 days										_	++
8	Access Date - Part 4	0 days	0 days	0 days	0%	Fri 5/3/21	Fri 5/3/21	NA	NA	Fri 5/3/21	Fri 5/3/21	0 days	0 days	4FS+645 days		*	5/3						
9	Part 4 - CHA.0-79 (79m)	290 days	s 0 days	290 days	0%	Thu 19/5/22	Mon 8/5/23	NA	NA	Fri 10/6/22	Tue 30/5/23	18 days									_		
0	CHA 0-24 Precast Section	34 days	0 days	34 days	0%	Thu 19/5/22	Tue 28/6/22	NA	NA	Fri 10/6/22	Wed 20/7/22	18 days									/		
	Temporary ELS & Excavation and Shoring Installation	24 days	0 days	24 days	0%	Thu 19/5/22	Thu 16/6/22	NA	NA	Fri 10/6/22	Fri 8/7/22	18 days	1 days	1384,1386,1238,						ll i			
2	Install 3 nos. 8 m long precast units (2.5 days per unit)	10 days	0 days	10 days	0%	Fri 17/6/22	Tue 28/6/22	NA	NA	Sat 9/7/22	Wed 20/7/22	18 days	2.5 days	1371									
3	CHA 24-79 (75m) (5 units)	256 days	s 0 days	256 days	0%	Wed 29/6/22	Mon 8/5/23	NA	NA	Thu 21/7/22	Tue 30/5/23	18 days											#
4	Temporary ELS & Excavation	50 days	0 days	50 days	0%	Wed 29/6/22	Fri 26/8/22	NA	NA	Thu 21/7/22	Sat 17/9/22	18 days	1 day	1372									
5	Unit 1 & 3 (41 days per unit)	44 days	0 days	44 days	0%	Sat 27/8/22	Thu 20/10/22	NA	NA	Mon 19/9/22	Thu 10/11/22	18 days	3 days	1374									
6	Unit 2 & 4 (41 days per unit)	44 days		44 days	0%	Fri 21/10/22	Sat 10/12/22		NA	Fri 11/11/22	Mon 2/1/23	18 days		1375									$\mathbb{L} \parallel$
7	Unit 5 & 6 (41 days per unit)	44 days		44 days	0%	Mon 12/12/22		NA	NA	Tue 3/1/23	Sat 25/2/23	18 days		1376									
	Remove struts and backfilling	24 days		24 days	0%	Mon 6/2/23	Sat 4/3/23	NA	NA	Mon 27/2/23	Sat 25/3/23	18 days		1376,1377									
)	Reinstate seawall	50 days		50 days	0%	Mon 6/3/23	Mon 8/5/23		NA	Mon 27/3/23	Tue 30/5/23	18 days		1378									1
	Part 10 - CHA79-89 (10m)	286 days		286 days	0%	Wed 2/6/21	Wed 18/5/22		NA	Wed 2/6/21	Thu 9/6/22	0 days	1 uuyo	1370									
) I	Access Date - Part 10			0 days	0%	Wed 2/6/21	Wed 16/3/22 Wed 2/6/21		NA NA	Wed 2/6/21	Wed 2/6/21		0 days	4FS+734 days,1'			W	16					
-		0 days				Wed 2/6/21 Sun 2/1/22			NA NA	Wed 2/6/21 Tue 22/2/22	Tue 22/2/22		o uays	+1°5+754 uays,1				١				ווון	
_	Tempoary Works Design and Method Statement Submission		0 days	0 days	0%		Sun 2/1/22					40 days		1202						4/11			
	Tempoary Works Design and Method Statement Comment by PM	21 days		21 days	0%	Mon 3/1/22	Wed 26/1/22		NA	Tue 22/2/22	Thu 17/3/22	40 days		1382									
	Temporary ELS & Excavation	14 days		14 days	0%	Fri 25/2/22	Sat 12/3/22		NA	Fri 18/3/22	Sat 2/4/22	18 days		1388,1381,1391,									
	Box Culvert with Feeder Installation	47 days		47 days	0%	Mon 14/3/22	Wed 11/5/22		NA	Mon 4/4/22	Wed 1/6/22	18 days		1384,1381,1391									
	Remove struts and backfilling	6 days	-	6 days	0%	Thu 12/5/22	Wed 18/5/22		NA	Thu 2/6/22	Thu 9/6/22		1 days	1392,1385							4111		
	Part 1 - CH89-165 (76m) 6 Units	193 days	-	193 days	0%	Mon 16/8/21		NA	NA	Mon 6/9/21	Wed 1/6/22	18 days											
	Temporary ELS & Excavation	25 days	0 days	25 days	0%	Mon 16/8/21	Mon 13/9/21	NA	NA	Mon 6/9/21	Wed 6/10/21	18 days		9,1147,1445						 			
	Unit 1 & 3 (41 days per unit)	44 days	0 days	44 days	0%	Tue 14/9/21	Sat 6/11/21	NA	NA	Thu 7/10/21	Sat 27/11/21	18 days	4 days	1388,418,570									
	Unit 2 & 4 (41 days per unit)	44 days	0 days	44 days	0%	Mon 8/11/21	Thu 30/12/21	NA	NA	Mon 29/11/21	Fri 21/1/22	18 days	4 days	1389						† 			
	Unit 5 & 6 (41 days per unit)	44 days	0 days	44 days	0%	Fri 31/12/21	Thu 24/2/22	NA	NA	Sat 22/1/22	Thu 17/3/22	18 days	4 days	1390									
2	Remove struts and backfilling	36 days	0 days	36 days	0%	Fri 25/2/22	Fri 8/4/22	NA	NA	Thu 21/4/22	Wed 1/6/22	43 days	1 days	1390,1391									
	Elevated Landscape Deck CH1920 - 2090	1178 day	ys 11.27 days	1166.74 days?	0%	Thu 16/5/19	Sat 29/4/23	Thu 16/5/19	NA	Thu 16/5/19	Wed 29/5/24	321 da		-								++++	+
4	Agree Interface Coordination Plan with KL/2014/01 Contractor	14 days	14 days	0 days	100%	Thu 16/5/19	Fri 31/5/19	Thu 16/5/19	Fri 31/5/19	Thu 16/5/19	Fri 31/5/19	0 days	0 days										
5	Ch1920-CH2060	1 day?	0 days	1 day?	0%	Sat 23/5/20	Sat 23/5/20	NA	NA	Wed 29/5/24	Wed 29/5/24	1467 d											
6	Part 1 - CH1919-2020 (70m) 4 bays	181 days	o days	181 days	0%	Mon 5/7/21	Thu 10/2/22	NA	NA	Wed 8/9/21	Mon 14/2/22	3 days								 			
	Pier Temporary Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 5/7/21	Mon 5/7/21	NA	NA	Wed 8/9/21	Wed 8/9/21	65 days	1 day					5/7					
	Pier Temporary Works Design and Method Statement Comment & Approval	45 days	0 days	45 days	0%	Mon 5/7/21	Wed 18/8/21	NA	NA	Wed 8/9/21	Fri 22/10/21	65 days	1 day	1397									
)	CH1930 Pier (1set x 3nos.):	12 days	0 days	12 days	0%	Tue 5/10/21	Tue 19/10/21	NA	NA	Fri 8/10/21	Fri 22/10/21	3 days		1075,1076,1066									
	CH1950-CH2020: Pier (3sets x 3nos) - 1 day/no 1 team	11 days	0 days	11 days	0%	Wed 20/10/21	Mon 1/11/21	NA	NA	Sat 23/10/21	Thu 4/11/21	3 days	2 day	579,1398,1399									
	Falsework Temporary Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Wed 1/9/21	Wed 1/9/21	NA	NA	Tue 21/9/21	Tue 21/9/21	20 days	1 day					4 1/9	9				
	Falsework Temporary Works Design and Method Statement Comment &	45 days	0 days	45 days	0%	Wed 1/9/21	Fri 15/10/21	NA	NA	Tue 21/9/21	Thu 4/11/21	20 days	1 day	1401									
+	Approval Falsework erection	10 days		10 days	0%	Tue 2/11/21	Fri 12/11/21		NA	Fri 5/11/21	Tue 16/11/21	1	1 day	1400,1402									
4	Deck & Secondary Upstand Beam Temporary Works Design and Method	0 days		0 days	0%	Wed 1/9/21	Wed 1/9/21		NA	Sun 3/10/21	Sun 3/10/21	32 days		-				6 1/0					
5	Statement Submission Deck & Secondary Upstand Beam Temporary Works Design and Method	45 days		45 days	0%	Wed 1/9/21	Fri 15/10/21		NA	Sun 3/10/21	Tue 16/11/21			1404									
6	Statement Comment & Approval Deck (4 bays) 12d/bay & link bridge (12d/bay)	25 days		25 days	0%	Sat 13/11/21	Sat 11/12/21		NA	Wed 17/11/21	Wed 15/12/21		-	1403,625,623FS									
		25 days	ounys	25 days			Sut 11/12/21	171	1721		13/12/21	Junys	1 uuy										Ш
	1 Prog with Progress Task Split	Summary Project Sun	nmarv		Inactive Mi			Duration-or Manual Sur	nly mmary Rollup		Start-only Finish-only		C 3	Extern Deadli	al Milestone	\$			tical Split gress	t			
22-N	1ay-20 Split Milestone ◆	Inactive Ta			Manual Ta			Manual Sur			External Tas	ks	7	Critica		_			gress nual Prog	rress			



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Task Nan	e	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total TRA Slack	Predecessors	2020 O2 O3	04 01	2021 Q2 Q3	04 01	2022 Q2 Q3	03 04	Q1 Q2
451	Lift Pilecap and ELS - Temp. Works Foundation Design and Method Statement Comment & Appraoval	30 days		30 days	0%	Mon 21/12/20	Tue 19/1/21	NA	NA	Tue 16/11/21	Wed 15/12/21	330 days 0.5 day	1450	<u>-</u>						
452	Intall Sheetpile, ELS, Excavation and Temp. Works Installation (Shoring, Drainage & Slope Protection)	38 days	0 days	38 days	0%	Tue 2/2/21	Sat 20/3/21	NA	NA	Thu 16/12/21	Fri 4/2/22	259 days 2 days	1447,1451		***	$-\parallel \parallel \parallel \parallel$				
453	Footing Construction	75 days	0 days	75 days	0%	Thu 13/5/21	Wed 11/8/21	NA	NA	Sat 5/2/22	Sat 7/5/22	218 days 2 days	1452,1449,587							
454	Sheepile Extraction & Backilling	25 days	0 days	25 days	0%	Thu 12/8/21	Thu 9/9/21	NA	NA	Mon 9/5/22	Tue 7/6/22	218 days 1 day	1453							
455	Lift Structure - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Tue 1/6/21	Tue 1/6/21	NA	NA	Tue 3/5/22	Tue 3/5/22	336 days 0.5 day				1/6				
456	Lift Structure - Temp. Works Design and Method Statement Comment & Appraova		-	36 days	0%	Tue 1/6/21	Tue 6/7/21	NA	NA	Tue 3/5/22	Tue 7/6/22	336 days 0.5 day	1455			1,0				
457	Lift Tower: Falsework & Formwork Erection, Rebar Fixing & Concreting	63 days	-	63 days	0%	Fri 10/9/21	Thu 11/11/21		NA	Wed 8/6/22	Tue 9/8/22	271 days 3 days	1454,1157,1456							
458	Lift installation (LT1 & LT2)	90 days	0 days	90 days	0%	Fri 24/12/21	Tue 19/4/22	NA	NA	Fri 11/11/22	Tue 28/2/23	261 days 1 day	1457FS+36 days							
159	E & M installation	33 days	0 days	33 days	0%	Wed 20/4/22	Fri 27/5/22	NA	NA	Wed 1/3/23	Wed 12/4/23	261 days 3 days	1458							
160	Louvers and Glazing Installation	27 days	0 days	27 days	0%	Sat 11/12/21	Fri 14/1/22	NA	NA	Thu 8/9/22	Wed 12/10/22	220 days 3 days	1457FS+25 days							
161	Parapet Installation and Finishing Works	40 days	0 days	40 days	0%	Sat 15/1/22	Sat 5/3/22	NA	NA	Thu 13/10/22	Mon 28/11/22	220 days 3 days	1460					k		
62	Testing & commissioning	15 days	0 days	15 days	0%	Sat 28/5/22	Wed 15/6/22	NA	NA	Thu 13/4/23	Sat 29/4/23	261 days 0.5 days	1459							
463	CLP Meter Installation	0 days	0 days	0 days	0%	Mon 18/4/22	Mon 18/4/22		NA	Mon 18/4/22	Mon 18/4/22	0 days 0.5 day						♦ 18/4		
464			-		0%	Wed 15/6/22	Wed 15/6/22						1450 1460							
	EMSD Submission Form 5 for Lift Inspection	0 days	0 days	0 days					NA	Tue 2/5/23	Tue 2/5/23	320 days 0.5 day								
465	EMSD Lift Inspection	0 days	0 days	0 days	0%	Wed 29/6/22	Wed 29/6/22		NA	Tue 16/5/23	Tue 16/5/23	320 days 0.5 day						29	//6	
466	Issuance of Lift Use Permit	0 days	0 days	0 days	0%	Thu 14/7/22	Thu 14/7/22	NA	NA	Tue 30/5/23	Tue 30/5/23	320 days 0.5 day	1465FS+15 days						.4/7	+
167	Staircase ST1	100 days	s 0 days	100 days	0%	Fri 12/11/21	Tue 15/3/22	NA	NA	Fri 25/11/22	Sat 25/3/23	309 days 5 days	587,367,1457							+
468	Finishing and E&M Works	50 days	0 days	50 days	0%	Wed 16/3/22	Tue 17/5/22	NA	NA	Mon 27/3/23	Tue 30/5/23	309 days 0.5 day	1467,367					 	+++++	+
169	L12d Underground Drainage and Utilities Laying	75 days	0 days	75 days	0%	Mon 7/3/22	Tue 7/6/22	NA	NA	Tue 29/11/22	Tue 28/2/23	220 days 1 day	1457,1460,1461				/ 			
170	L12d Roadworks and Pedestrian, with Light Pole	36 days	0 days	36 days	0%	Wed 8/6/22	Wed 20/7/22	NA	NA	Wed 1/3/23	Sat 15/4/23	220 days 1 day	1469,349							
71	L12d Roadworks and Pedestrian	36 days	-	36 days	0%	Thu 21/7/22	Wed 31/8/22		NA	Mon 17/4/23	Tue 30/5/23	220 days 1 day	1470						$1 \mid \mid \mid \mid \mid \mid$	
													1470							
	en Space & Promenade	564 days		564 days	0%	Mon 28/6/21	Thu 18/5/23		NA	Sun 1/8/21	Tue 30/5/23	9 days								
73	Open Space & Promenade (From Northern End - CH1720)	564 days	s 0 days	564 days	0%	Mon 28/6/21	Thu 18/5/23	NA	NA	Sun 15/8/21	Tue 30/5/23	9 days								
74	Observation Deck	358 days	s 0 days	358 days	0%	Tue 1/3/22	Fri 12/5/23	NA	NA	Fri 6/5/22	Tue 30/5/23	14 days					/ 			
75	Foundation - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Tue 1/3/22	Tue 1/3/22	NA	NA	Fri 6/5/22	Fri 6/5/22	66 days 0.5 day						1/3		
76	Foundation - Temp. Works Design and Method Statement Comment &	45 days	0 days	45 days	0%	Tue 1/3/22	Thu 14/4/22	NA	NA	Fri 6/5/22	Sun 19/6/22	66 days 0.5 day	1475,639,646				 	┶ ┤ '		
77	Appraoval G.I. works for LT5	12 days	0 days	12 days	0%	Sat 4/6/22	Fri 17/6/22	NA	NA	Mon 20/6/22	Mon 4/7/22	13 days 2 days	1447,611,604,15					#		
78	Design Vertification	25 days		25 days	0%	Sat 18/6/22	Mon 18/7/22	NA	NA	Tue 5/7/22	Tue 2/8/22	13 days 1 day	1477							
179	Predrilling works for Socket H- pile	12 days	-		0%	Tue 19/7/22	Sat 30/7/22		NA	Wed 3/8/22	Sun 14/8/22	15 days	1478							
	·			12 days																
80	Socket H-pile Installation	37 days		37 days	0%	Mon 1/8/22	Tue 13/9/22	NA	NA	Mon 15/8/22	Tue 27/9/22	12 days 2 days	367,1155,726,14							
181	Pile Testing	43 days	0 days	43 days	0%	Wed 14/9/22	Fri 4/11/22	NA	NA	Wed 28/9/22	Fri 18/11/22	12 days 1 day	1480							
482	Structure & Lift Core - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 20/6/22	Mon 20/6/22	NA	NA	Wed 5/10/22	Wed 5/10/22	107 days 0.5 day						20/	6	
483	Structure & Lift Core - Temp. Works Design and Method Statement	45 days	0 days	45 days	0%	Mon 20/6/22	Wed 3/8/22	NA	NA	Wed 5/10/22	Fri 18/11/22	107 days 0.5 day	1482						HHH	
184	Comment & Appraoval Trech Excavation for Pipe Laying Works	30 days	0 days	30 days	0%	Sat 4/6/22	Sat 9/7/22	NA	NA	Wed 15/6/22	Wed 20/7/22	9 days 2 days	15							
185	Pipe laying works, Cable Laying and Drawpits	36 days	0 days	36 days	0%	Mon 11/7/22	Sat 20/8/22	NA	NA	Thu 21/7/22	Wed 31/8/22	9 days 5 days	15,1484							
486	Observation Deck: Substructure with Excavation/ELS works	36 days		36 days	0%	Sat 5/11/22	Fri 16/12/22		NA	Sat 19/11/22	Sat 31/12/22	12 days 1 day	163,506,1483,14							
187																				
	Observation Deck: Superstructure with Lift Core and Staircase work	72 days		72 days	0%	Sat 17/12/22	Sun 26/2/23		NA	Mon 2/1/23	Tue 14/3/23	16 days 1 day	1486							
188	LT5: Lift installation with T&C and Statutory Inspection	60 days		60 days	0%	Mon 27/2/23	Fri 12/5/23		NA	Wed 15/3/23	Tue 30/5/23	14 days 1 day	713,1487						$\ \ \ \ \ $	
489	E&M and ABWF works, Landscaping and paving works	110 days	s 0 days	110 days	0%	Sat 17/12/22	Thu 4/5/23	NA	NA	Thu 12/1/23	Tue 30/5/23	21 days 3 days	1528,717,1486							
490	Toilet	416 days	s 0 days	416 days	0%	Mon 28/6/21	Wed 16/11/2	2 NA	NA	Sun 15/8/21	Fri 24/2/23	41 days							 	
191	Foundation - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 28/6/21	Mon 28/6/21	NA	NA	Sun 15/8/21	Sun 15/8/21	48 days 0.5 days				◆ -28/6				
192	Foundation - Temp. Works Design and Method Statement Comment &	45 days	0 days	45 days	0%	Sat 24/7/21	Mon 6/9/21	NA	NA	Sun 15/8/21	Tue 28/9/21	22 days 0.5 days	1491,639,646							
193	Appraoval Footing	16 days		16 days	0%	Thu 16/9/21	Wed 6/10/21		NA	Wed 29/9/21	Tue 19/10/21	10 days 0.5 days				111				
494	Structure - Temp. Works Design and Method Statement Submission	0 days		0 days	0%	Mon 26/7/21	Mon 26/7/21		NA	Fri 3/9/21	Fri 3/9/21	39 days 0.5 days				26/7				
495	Structure - Temp. Works Design and Method Statement Comment & Appraoval	47 days	0 days	47 days	0%	Mon 26/7/21	Fri 10/9/21	NA	NA	Fri 3/9/21	Tue 19/10/21	39 days 2 days	1494							
tle. Roy 11 Dr	og with Progress	Summary			Inactive M	filestone \Diamond		Duration-c	only		Start-only	Е	Exte	mal Milestone	\$	C	ritical Split			
INCV. I I FI	20 Split	Project Sur	nmarv		Inactive S	ummary		Manual Su	mmary Rollup		Finish-only	3	Dead	lline	1	Pr	rogress	_		_

						Cont	Iact No. ED	/2010/01 K	TD Project												
Γ	Task Name	Duration Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis	sh Late Start	Late Finish	Total Slack	TRA	Predecessors	2020	04 01	2021	04 01	2022 Q2 Q3 Q	M 01 1 0	2023	04 0
96	Structure work	45 days 0 days	45 days	0%	Thu 7/10/21	Mon 29/11/21	NA	NA	Wed 20/10/21	Fri 10/12/21	10 days	0.5 days	1493,506,1495	Q2 Q3 (Q4 Q1	Q2 Q3	Q4 Q1	, Q2 Q3 Q	04 Q1 Q	2 Q3	<u>Q4</u> <u>Q1</u>
97	MIC toilet unit	24 days 0 days	24 days	0%	Tue 30/11/21	Wed 29/12/21	NA	NA	Sat 11/12/21	Tue 11/1/22	10 days	0.5 days	1496								
98	MIC toilet unit: E&M and ABWF works	75 days 0 days	75 days	0%	Thu 30/12/21	Thu 31/3/22	NA	NA	Wed 23/2/22	Wed 25/5/22	43 days	3 days	1497,717					<u></u>			
99	Observation Tower Construction	31 days 0 days	31 days	0%	Thu 30/12/21	Tue 8/2/22	NA	NA	Wed 19/1/22	Sat 26/2/22	16 days	1 day	1496,1497								
500	Observation Tower: Building Works and E&M Works	76 days 0 days	76 days	0%	Wed 9/2/22	Thu 12/5/22	NA	NA	Mon 28/2/22	Tue 31/5/22	16 days	1 day	1499								
501	Refuse Collection Block and Back of House: Structure Works	101 days 0 days	101 days	0%	Wed 9/2/22	Sat 11/6/22	NA	NA	Fri 20/5/22	Sat 17/9/22	82 days	1 day	1496,1497,1499				#_				
502	Refuse Collection Block and Back of House: Building Works and E&M	131 days 0 days	131 days	0%	Mon 13/6/22	Wed 16/11/22	NA	NA	Mon 19/9/22	Fri 24/2/23	82 days	1 day	1501								
03	Works Amphitheater	95 days 0 days	95 days	0%	Wed 9/2/22	Sat 4/6/22	NA	NA	Wed 11/5/22	Wed 31/8/22	74 days	5 days	1496,639,646,14				#_				
04	Fast food (Light Refreshment) kiosk deck	45 days 0 days	45 days	0%	Tue 30/11/21	Mon 24/1/22	NA	NA	Thu 20/1/22	Wed 16/3/22	41 days	0.5 days	611,1496,604,61								
05	Fast food (Light Refreshment) Kiosk: Building Works and E&M Works	86 days 0 days	86 days	0%	Sat 26/2/22	Sat 11/6/22	NA	NA	Thu 17/3/22	Thu 30/6/22	16 days	1 day	1504,639,646,14				+				
06	Fitness Ground Lawn & Water Play Plaza	82 days 0 days	82 days	0%	Mon 13/6/22	Sat 17/9/22		NA	Sat 2/7/22	Sat 8/10/22	16 days		days,1500FF+25 1505								
07	Stepped Stage and Seating & Back of House Facility (under Bridge D3)	30 days 0 days	30 days	0%	Mon 22/8/22	Mon 26/9/22		NA	Thu 1/9/22	Sat 8/10/22	9 days		1503,1485								
08	Trim and form formation level within Open Space & Promenade area	45 days 0 days	45 days	0%	Tue 27/9/22	Sat 19/11/22		NA	Mon 10/10/22	Wed 30/11/22	1		1507,1505,1506,								
09	Paving work & Hard Landscaping Works	45 days 0 days	45 days	0%		Thu 12/1/23		NA	Thu 1/12/22	Thu 26/1/23		2 days	1508,1500,1498								
510											1	_									
	ABWF, E&M work and street furniture	75 days 0 days	75 days	0%		Mon 20/2/23		NA	Sat 25/2/23	Tue 30/5/23	79 days		1508,1509SS,15						0/1		
11	FSD Form 501 Submission for FS Inspection	0 days 0 days	0 days	0%	Mon 9/1/23		NA	NA	Mon 1/5/23	Mon 1/5/23	111 days		1510SS+50 days						9/1		
12	FSD Inspection	0 days 0 days	0 days	0%	Tue 24/1/23	Tue 24/1/23		NA	Tue 16/5/23	Tue 16/5/23	111 days		1511FS+15 days								
13	Issuance of FS Certificate	0 days 0 days	0 days	0%	Wed 8/2/23	Wed 8/2/23		NA	Tue 30/5/23	Tue 30/5/23	111 days		1512FS+15 days						▼ 8/2 1	.	
14	Landscaping works and Planting works	100 days 0 days	100 days	0%	Fri 13/1/23	Thu 18/5/23	NA	NA	Fri 27/1/23	Tue 30/5/23	1	4 days	1509,668,1503,6							.11	
15	Open Space & Promenade (From CH1720 - South End)	477 days 0 days	477 days	0%	Mon 12/7/21	Mon 13/2/23	NA	NA	Sun 1/8/21	Tue 30/5/23	18 days										
16	Modification Seawall - Temp. Works Design and Method Statement Submission	0 days 0 days	0 days	0%	Mon 12/7/21	Mon 12/7/21	NA	NA	Sun 1/8/21	Sun 1/8/21	20 days	1 day				12/7					
17	Modification Seawall - Temp. Works Design and Method Statement Comment & Appraoval	k 30 days 0 days	30 days	0%	Mon 12/7/21	Tue 10/8/21	NA	NA	Sun 1/8/21	Mon 30/8/21	20 days	2 days	1516								
18	Modification (Seawall) CH1720-1820	150 days 0 days	150 days	0%	Wed 11/8/21	Fri 11/2/22	NA	NA	Tue 31/8/21	Thu 3/3/22	17 days	1 day	1517								
19	Modification (Seawall) CH1820-1920	150 days 0 days	150 days	0%	Wed 15/9/21	Fri 18/3/22	NA	NA	Thu 7/10/21	Fri 8/4/22	17 days	1 day	1518SS+30 days)			
20	Temporary toilet	24 days 0 days	24 days	0%	Mon 13/9/21	Tue 12/10/21	NA	NA	Fri 14/1/22	Mon 14/2/22	100 days	0.5 days	506,655,660				$h \mid l'$				
21	Temporary Toilet: Building Works and E&M Works	75 days 0 days	75 days	0%	Wed 13/10/21	Wed 12/1/22	NA	NA	Sat 28/1/23	Sat 29/4/23	385 days	0.5 day	1520,655,660								
22	Temporary Management Office: Structure Works	45 days 0 days	45 days	0%	Sat 25/9/21	Thu 18/11/21	NA	NA	Wed 26/1/22	Tue 22/3/22	100 days	0.5 days	1520SS+10 days								
23	Temporary Management Office: Building Works and E&M Works	100 days 0 days	100 days	0%	Fri 19/11/21	Tue 22/3/22	NA	NA	Wed 23/3/22	Sat 23/7/22	100 days	0.5 day	1522,655,660				+				
24	Floating Stage Concrete structure	18 days 0 days	18 days	0%	Sat 19/3/22	Sat 9/4/22	NA	NA	Sat 9/4/22	Tue 3/5/22	17 days	0 days	1519,1518,1522				+	<u>K</u>			
25	Stepped Seating at Southern End	24 days 0 days	24 days	0%	Mon 11/4/22	Wed 11/5/22	NA	NA	Wed 4/5/22	Tue 31/5/22	17 days	0.5 days	1524								
26	Trim and form formation level within Open Space & Promenade area	14 days 0 days	14 days	0%	Thu 12/5/22	Fri 27/5/22	NA	NA	Wed 1/6/22	Fri 17/6/22	17 days	0 days	1525								
27	Paving work and Landscaping Works	30 days 0 days	30 days	0%	Sat 28/5/22	Mon 4/7/22	NA	NA	Sat 18/6/22	Sat 23/7/22	17 days	0.5 days	1526,1522,1525,								
28	ABWF, E&M work and street furniture	75 days 0 days	75 days	0%	Tue 5/7/22	Fri 30/9/22	NA	NA	Mon 25/7/22	Sat 22/10/22	17 days	1 day	1527,717,1523					+			
29	CLP Meter Installation	0 days 0 days	0 days	0%	Fri 30/9/22	Fri 30/9/22	NA	NA	Mon 1/5/23	Mon 1/5/23	212 days	0.5 day	1528,1521,1523					→ 30	9/9		
30	FSD Form 501 Submission for FS Inspection	0 days 0 days	0 days	0%	Thu 8/12/22	Thu 8/12/22	NA	NA	Mon 1/5/23	Mon 1/5/23	144 days	0.5 day	1529						8/12		
31	FSD Inspection	0 days 0 days	0 days	0%	Thu 22/12/22	Thu 22/12/22	NA	NA	Tue 16/5/23	Tue 16/5/23	144 days		1530FS+15 days						22/12		
32	Issuance of FS Certificate	0 days 0 days	0 days	0%	Fri 6/1/23	Fri 6/1/23		NA	Tue 30/5/23	Tue 30/5/23	144 days		1531FS+15 days						6/1		
33	Open Space & Promenade: Landscaping works	110 days 0 days	110 days	0%	Mon 3/10/22	Mon 13/2/23		NA	Mon 24/10/22	Sat 4/3/23	17 days		1528,668,1243FI						0/1		
34	Open Space & Promenade: Planting works	110 days 0 days	110 days	0%	Mon 3/10/22	Mon 13/2/23		NA	Mon 24/10/22	Sat 4/3/23	17 days		1528,668,1243FI]	
35	Part 1, 2A, 2B - Road L12	193 days 0 days	193 days	0%	Tue 23/8/22	Mon 17/4/23		NA	Thu 6/10/22	Tue 30/5/23	35 days		1520,000,124311								
36	Part 1, 2A, 2B - Road L12 Trim road formation			0%		Thu 25/8/22		NA NA					1274,1283,1296,					#			
		3 days 0 days	3 days		Tue 23/8/22				Thu 6/10/22	Sat 8/10/22	35 days	-						1			
37	Lay sub base	7 days 0 days	7 days	0%	Fri 26/8/22	Fri 2/9/22		NA		Mon 17/10/22			1536					1			
538	Lay kerb	12 days 0 days	12 days	0%	Sat 3/9/22	Sat 17/9/22		NA	Tue 18/10/22	Mon 31/10/22		-	1537					1			
539	Construct pedestrian street/ footpath	14 days 0 days	14 days	0%	Mon 19/9/22	Thu 6/10/22		NA	Tue 1/11/22	Wed 16/11/22		-	1538								
40	Install central median	14 days 0 days	14 days	0%	Fri 7/10/22	Sat 22/10/22	NA	NA	Thu 17/11/22	Fri 2/12/22	35 days	1 day	1539								
e: Re	ev. I I Prod with Progress	Summary		Inactive M			Duration-o			Start-only				nal Milestone	\$		Critical Split				
	2-May-20 Split	Project Summary		Inactive S	ummary		Manual Su	mmary Rollup		Finish-only		3	Dead	line	4	P	rogress				

							Con	tract No. ED/	2018/01 KT	D Project													
1	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2 Q3	Q4 C	01 Q2	021 Q3 Q4	Q1 Q2	Q2 Q3 Q4	Q1 Q2	2023 Q3	Q4 Q1
1541	Concrete infill between profile barrier	7 days	0 days	7 days	0%	Mon 24/10/22	Mon 31/10/22	NA NA	NA	Sat 3/12/22	Sat 10/12/22	35 days	0 days	1540						H			
1542	Road pavement	5 days	0 days	5 days	0%	Tue 1/11/22	Sat 5/11/22	NA	NA	Mon 12/12/22	Fri 16/12/22	35 days	0 days	1541						<u> </u>			
1543	Install street furniture (Part 1, 2A, 2B - Road L12)	131 days	0 days	131 days	0%	Mon 7/11/22	Mon 17/4/23	NA	NA	Sat 17/12/22	Tue 30/5/23	35 days	6 days	1542									
544	Planting Works for Underpass, South Depress Road and At-Grade Road	130 days	0 days	130 days	0%	Mon 7/11/22	Sat 15/4/23	NA	NA	Mon 19/12/22	Tue 30/5/23	36 days	10 days	668									
545	Landscaping Works for Underpass, South Depress Road and At-Grade	130 days	0 days	130 days	0%	Mon 7/11/22	Sat 15/4/23	NA	NA	Mon 19/12/22	Tue 30/5/23	36 days	10 days	668						*			
546	Planned Completion for Section 6	0 days	0 days	0 days	0%	Thu 18/5/23	Thu 18/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	9 days	0 days	1533,1543,1532,							•	18/5	
547	Section 7	365 days	0 days	365 days	0%	Mon 6/3/23	Wed 29/5/24	NA	NA	Mon 6/3/23	Wed 29/5/24	0 days											
548	Establishment work for landscape softwork	365 days	0 days	365 days	0%	Mon 6/3/23	Wed 29/5/24	NA	NA	Mon 6/3/23	Wed 29/5/24	0 days	10 days	1533,1534									
549	Planned Completion for Section 7	0 days	0 days	0 days	0%	Wed 29/5/24	Wed 29/5/24	NA	NA	Wed 29/5/24	Wed 29/5/24	0 days		1548,6									
550	Section 10 (Subject to Excision)	614 days	0 days	614 days	0%	Tue 20/4/21	Thu 11/5/23	NA	NA	Mon 10/5/21	Tue 30/5/23	15 days					Н						
551	Decking for Underpass (Rd L14)	614 days	0 days	614 days	0%	Tue 20/4/21	Thu 11/5/23	NA	NA	Mon 10/5/21	Tue 30/5/23	15 days					Н						
552	Deck for Underpass (Road L14) - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Tue 20/4/21	Tue 20/4/21	NA	NA	Mon 10/5/21	Mon 10/5/21	20 days	0.5 day				◆ 20	/4					
553	Deck for Underpass (Road L14) - Temp. Works Design and Method Statement Comment & Appraoval	21 days	0 days	21 days	0%	Tue 20/4/21	Mon 10/5/21	NA	NA	Mon 10/5/21	Sun 30/5/21	20 days	0.5 day	1552			*						
554	Support along U-through	225 days	0 days	225 days	0%	Mon 31/5/21	Tue 1/3/22	NA	NA	Mon 31/5/21	Tue 1/3/22	0 days	10 days	23,185,1553,192			*	7					
555	Plinth installation along support	123 days	0 days	123 days	0%	Wed 2/3/22	Fri 29/7/22	NA	NA	Wed 2/3/22	Fri 29/7/22	0 days	6 days	1554					*	-			
556	Placing of beam along underpass	90 days	0 days	90 days	0%	Thu 1/9/22	Sun 18/12/22	NA	NA	Thu 1/9/22	Mon 19/12/22	0 days	4 days	1555FS+28 days						—			
557	Finishing and E&M Works	110 days	0 days	110 days	0%	Mon 19/12/22	Fri 5/5/23	NA	NA	Thu 12/1/23	Tue 30/5/23	20 days		1556,279						*			
558	Cover-up (Roof)	115 days	0 days	115 days	0%	Mon 19/12/22	Thu 11/5/23	NA	NA	Mon 19/12/22	Thu 11/5/23	0 days	5 days	1556						¥			
559	Planned Completion for Section 10	0 days	0 days	0 days	0%	Thu 11/5/23	Thu 11/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	19 days	0.5 days	1558,158,1557							*	11/5	

Appendix C – Apply permission for Environmental Monitoring

Propose alternative monitoring location: The Lok Sin Tong Modular Social Housing Scheme Status: Rejected application Email on: 10 May 2022 Email on: 13 October 2022 Subject The Lok Sin Tong Benevolent Society Kowloon - Apply Subject The Lok Sin Tong Benevolent Society Kowloon - Reject to Apply permission for Environmental Monitoring for Stage 4 of Kai Tak permission for Environmental Monitoring for Stage 4 of Kai Tak Development Development From To To Bcc Bcc 2022-05-10 15:48 2022-10-13 15:52 Date Figure 1 Impact dust measurement setup.jpg(~1.2 MB) Company: The Lok Sin Tong Benevolent Society Kowloon Figure 2 Impact noise measurement setup.jpg(~979 KB) By Email Company: The Lok Sin Tong Benevolent Society Kowloon By Email Referring to the communication between your staff and me regarding the captioned work at 21 September 2022, the Lok Sin Tong Benevolent Society Kowloon was rejected the apply permission for Environmental Monitoring Dear Mada for Stage 4 of Kai Tak Development. 5 May 2022 Due to electricity supply and security concern in Modular House , Environmental monitoring at Modular House is not allowed open. Should you have any enquires regarding the measurement, please do not hesitate to contact Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south Thank you for your kind attention and I look forward to receiving your favourable reply soon. We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of Yours Sincerely, the EM&A programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron (KTD Stage 4 Project) starting from July 2019 to May 2024. Lee Wing Hang Ka Shing Management Consultant Limited KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular 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. Your premise, Hong Kong Society for Blind Workshop and Hotels, is one of the proposed sensitive receivers. We would like to obtain your kind permission for entering the premise to carry out baseline and impact monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30minute) would need to conduct continuously for 14 days, our propose baseline monitoring date is June 2022. After baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six The monitoring location will be located on the roof top floor of The Lok Sin Tong Modular Social Housing Scheme at Junction of Sung Wong Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP monitor with size 0.5m (L) x 0.5m (W) x 1.4m (H). We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the measurement point for 1-hour TSP and 30-mintue noise measurement. We hope to conduct site visit at 13:30 pm of 25 May 2022 (Wed). Should you have any enquires regarding the measurement, please do not hesitate to contact Thank you for your kind attention and I look forward to receiving your favourable reply soon. Yours Sincerely Lee Wing Hang Ka Shing Management Consultant Limited

ose alternative monitoring location: Freder Centre
us: No reply from building management office unit the reporting month
il on: 19 July 2022
bject Freder Centre - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development
te 2022-07-19 13:33
 Figure 1 Impact dust measurement setup.jpg(~1.2 MB) Figure 2 Impact noise measurement setup.jpg(~979 KB)
mpany: Freder Centre
Email
ar Sir
: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south
, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development partment (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of EM&A programme of the kai Tak Development - Stage 4 Infrastructure at the former runway and south apron TD Stage 4 Project) starting from July 2019 to May 2024.
O Stage 4 project is located in the south-eastern part of Kowloon Peninsular of the HKSAR, comprising the ron and runway areas of the former kai Tak Airport and existing waterfront areas at To Kwa Wan, Ma Tau K, Kowloon Bay, Kwun Tong and Cha Kwo Ling. Your premise, Hong Kong Society for Blind Workshop and Hotels, one of the proposed sensitive receivers.
would like to obtain your kind permission for entering the premise to carry out baseline and impact nitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30- nute) would need to conduct continuously for 14 days, our propose baseline monitoring date is August 2022.
ter baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise nitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six ys.
e monitoring location will be located on the roof top floor of Freder Centre at Junction of Sung Wong Toi ad and To Kwa Wan Road facing to Kai Tak Development area. 228V power supply is needed for 24-hour TSP intor with Size 0.5m (L) x 0.5m (W) x 1.4m (H). We will pay for the electricity. Similar setup photo cords are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the assurement point for 1-hour TSP and 30-mintue noise measurement.
hope to conduct site visit at 15:30pm of 26 July 2022 (Tue).
ould you have any enquires regarding the measurement, please do not hesitate to contact at
ank you for your kind attention and I look forward to receiving your favourable reply soon.
urs Sincerely,
e Wing Hang Shing Management Consultant Limited

Propose alternative monitoring location: New Port Centre Status: No reply from building management office unit the reporting month Email on: 19 July 2022 Email on: 17 August 2022 New Port Centre - Apply permission for Environmental Kum Shing Group and Hong Kong Energy Infrastructure Limited -Monitoring for Stage 4 of Kai Tak Development Apply permission for Environmental Monitoring for Stage 4 of Kai From Tak Development From To Bcc To Bcc Date 2022-07-19 13:33 2022-08-17 11:54 Date Figure 1 Impact dust measurement setup.jpg(~1.2 MB) Figure 2 Impact noise measurement setup.jpg(~979 KB) Figure 1 Impact dust measurement setup.jpg(~1.2 MB) Company: New Port Centre & Synergis management services limited Figure 2 Impact noise measurement setup.jpg(~979 KB) plug 01.jpg(~2.6 MB) By Email Company: Kum Shing Group and Hong Kong Energy Infrastructure Limited Dear Sir Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south By Email apron Dear Si We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south the EM&A programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron (KTD Stage 4 Project) starting from July 2019 to May 2024. We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular of the HKSAR, comprising the Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of apron and runway areas of the former Kai Tak Airport and existing waterfront areas at To Kwa Wan, Ma Tau the EM&A programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron Kok, Kowloon Bay, Kwun Tong and Cha Kwo Ling. Your premise, New Port Centre, is one of the proposed (KTD Stage 4 Project) starting from July 2019 to May 2024. We would like to obtain your kind permission for entering the premise to carry out baseline and impact KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular of the HKSAR, comprising the monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30apron and runway areas of the former Kai Tak Airport and existing waterfront areas at To Kwa Wan, Ma Tau minute) would need to conduct continuously for 14 days, our propose baseline monitoring date is August 2022. Kok, Kowloon Bay, Kwun Tong and Cha Kwo Ling. Your premise, New Port Centre, is one of the proposed sensitive receivers. After baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six We would like to obtain your kind permission for entering the premise to carry out baseline and impact monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30minute) would need to conduct continuously for 14 days, our propose baseline monitoring date is August 2022. The monitoring location will be located on the roof top floor of New Port Centre at Junction of Sung Wong Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP After baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise monitor with size 0.5m (L) \times 0.5m (W) \times 1.4m (H). We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six measurement point for 1-hour TSP and 30-mintue noise measurement. The monitoring location will be located on the roof top floor of New Port Centre at Junction of Sung Wong We hope to conduct site visit at 13:30pm of 26 July 2022 (Tue). Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP monitor with size 0.5m (L) x 0.5m (W) x 1.4m (H). We will pay for the electricity. Similar setup photo Should you have any enquires regarding the measurement, please do not hesitate to contact records are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the measurement point for 1-hour TSP and 30-mintue noise measurement. Thank you for your kind attention and I look forward to receiving your favourable reply soon. We hope to loan the company on the roof top floor of Plug 01 for 24-hour TSP monitor of power supply. Yours Sincerely, Should you have any enquires regarding the measurement, please do not hesitate to contact Lee Wing Hang Ka Shing Management Consultant Limited Thank you for your kind attention and I look forward to receiving your favourable reply soon.

Yours Sincerely,

Ka Shing Management Consultant Limited

Propose alternative monitoring location: New Port Centre Status: No reply from building management office unit the reporting month Email on: 19 August 2022 Email on: 15 September 2022 New Port Centre - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development Subject RE: Kum Shing Group and Hong Kong Energy Infrastructure Limited - Apply permission for Environmental Monitoring for To Bcc Stage 4 of Kai Tak Development 2022-09-15 15:35 From • Figure 1 Impact dust measurement setup.jpg(~1.2 MB) Figure 2 Impact noise measurement setup.jpg(~979 KB) To Figure 3 expect Impact dust measurement setup.png(~267 KB) Figure 4 power supply plug.jpg(~2.6 MB) Company: New Port Centre & Synergis management services limited 2022-08-19 08:36 Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south Dear Mr. LEE, We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of the EM&A programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron As we do not have ownership to the roof, we'd suggest you to approach the management company of Newport (KTD Stage 4 Project) starting from July 2019 to May 2024. Center for further discussion. KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular 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 https://www.synergis.com.hk/html/en/ Kok, Kowloon Bay, Kwun Tong and Cha Kwo Ling. Your premise, New Port Centre, is one of the proposed sensitive receivers. We would like to obtain your kind permission for entering the premise to carry out baseline and impact monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30best, minute) would need to conduct continuously for 14 days, our propose baseline monitoring date is August 2022. Paul Lee After baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six The monitoring location will be located on the roof top floor of New Port Centre at Junction of Sung Wong Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP monitor with size 0.5m (L) \times 0.5m (W) \times 1.4m (H). We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. The expect of impact dust measurement setup photo records are shown in Figure 3 and the power supply will come from the roof of the socket (Figure 4) for reference. Our technician will stay at the measurement point for 1-hour TSP and 30-mintue Should you have any enquires regarding the measurement, please do not hesitate to contact Thank you for your kind attention and I look forward to receiving your favourable reply soon. Yours Sincerely, Ka Shing Management Consultant Limited

Appendix D – Environmental monitoring schedules

Contract No. EDO 15/2018 Environmental Monitoring at Kai Tak Development Stage 4 Infrastructure at the former runway and south apron Environmental Monitoring and Weekly Site Inspection Schedule for April 2024

April 2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	Weekly Site Inspection 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	4	5	6
7	8	9 Weekly Site Inspection + SSMC meeting 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	10	11	12	13
14	15 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	16	17	18 Weekly Site Inspection	19	20 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7
21	22	23	24	25 Weekly Site Inspection	26 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	27
28	29	30				

NOTE:

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

Air Quality Monitoring Station

AM3 - Sky Tower

AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

AM7 - Hong Kong Children's Hospital

Noise Quality Monitoring Station

M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

M12 - Hong Kong Children's Hospital

Contract No. EDO 15/2018 Environmental Monitoring at Kai Tak Development Stage 4 Infrastructure at the former runway and south apron Tentative Environmental Monitoring and Weekly Site Inspection Schedule for May 2024

May 2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	Weekly Site Inspection 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	3	4
5	6	7	8 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	9 Weekly Site Inspection	10	11
12	13	14 Weekly Site Inspection + SSMC meeting 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	15	16	17	18
19	20 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	21	22	23 Weekly Site Inspection	24	25 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7
26	27	28	29	30 Weekly Site Inspection	31 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	

NOTE:

- 1) Site inspection schedule and Impact monitoring schedule may be changed due to unforeseen circumstance (e.g. adverse weather).
- 2) Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A) and M11), the premises owner rejected ET to conduct impact monitoring starting from 1 Sept 2022. No 24-TSP monitoring will be conducted at AM4(A) while 1-hr TSP at AM4(A) and 30-min noise monitoring at M11 will be conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for AM4(A) and M11 are confirmed.

Air Quality Monitoring Station

AM3 - Sky Tower

 $\ensuremath{\mathsf{AM4}}(A)$ - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

AM7 - Hong Kong Children's Hospital

Noise Quality Monitoring Station

M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

M12 - Hong Kong Children's Hospital

Appendix E – Photographic records

Impact TSP Monitoring



Measurement setup at AM3



Measurement setup at AM4(A)



Measurement setup at AM7



Measurement setup at M11



Measurement setup at M12



Weather Station at the rooftop of Hong Kong Children's Hospital

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

Catalogue of High Volume Sampler (HVS)



Suspended Particulate (TSP) air sampler featuring a mass flow controller (MFC) for accurate and consistent particulate sampling. The mass flow controller adjust the motor speed as the filter media collects particulate to maintain a constant flow rate throughout the entire sample duration. The system utilizes a stainless steel filter holder for use with standard 8" x 10" filter paper. The anodized aluminum shelter and robust electrical components allow the system to operate a continuous 24 hour sample.

ABOUT US: Tisch Environmental Inc. Tisch Environmental is the benchmark for high volume air sampling, particulate. metals, volatiles, and specialty monitoring equipment. Since the company's inception in 1953 as General Metal Works, our product line has expanded from the first high volume air sampler to include high-tech and custom samplers. Our clients are professionals from every sector of the regulatory and industrial markets.

TISCH 🕡

Mass Flow Controlled

- 7-Day Mechanical Timer
- Flapsed Time Indicator
- Aluminum Outdoor Shelter
- Brush Style Motor
- Dickson Chart Recorder, 24 Hour
- Stainless Steel Filter Holder
- 36-60 CFM
- Made In USA

www.tisch-env.com

TE-5170 TSP MFC, 110 Volt 60 Hertz, 8 Amps TE-5170X TSP MFC, 220 Volt 50 Hertz 4 Amps TE-5170XZ TSP MFC, 220 Volts 60 Hertz, 4 Amps



TSP MFC

MFC TSP Ambient Air Sampler

Particulate Size: Total Suspended Particulate (TSP) EPA Designation: CFR 40 Part 50 Appendix B Flow Controller: Mass Flow Controller Motor Style: Brush Style Motor Assembly

Pressure Recorder: Dickson Chart Recorder, 24 hour

Timer: 7 Day Mechanical

Elapsed Time Indicator: Mechanical, Hours and Tenths

Flow Range: 39-60CFM, 1.09M³M-1.68M³M

Housing: Anodized Aluminum Filter Holder: Stainless Steel, 8" x 10" 4" Recorder Charts: Box of 100

Filter Holder: 8" x 10" Stainless Steel with hold down frame

US EPA Reference Method Sampling, CFR Appendix J Part 50 Regulatory Compliance

Institutional Studies Construction Sites

Bridge and Water Tower Painting Sites

Fence Line Monitoring Industrial Monitoring Landfill Monitoring

Public Health Applications

TE-3000 Filter Holder Cartridge TE-G653 8" x 10" Glass Fiber Filter Media TE-33384 Motor Brush Set (110volt)

TE-33378 Motor Brush Set (220volt) TE-116311 Replacement Motor (110volt)

TE-116312 Replacement Motor (220volt) TE-106 Recorder Charts TE-160 Recorder Pen Points TE-5018 Gasket 8" x 10"

TE-5028 -Variable Flow Calibration Kit TE-HVC-V Xcalibrator HiVol Calibrator

Weight: 75lbs, Shelter

Shipping Dimensions: 46"W x 23"L x 20" H, Shelter 19"W x 19"L x 20"H, Lid

Assembled Dimensions: 28"W x 28"L x 61"H



Calibration Certificate of HVS

Air Sampler Calibration Curve Plotting & Calculation (Dickson recorder)

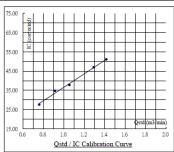
Calibration curve ref. No. :	ATSPC-01-2024020901	Date of calibration:	09/02/2024
Location :	Sky Tower	Sampler :	TE-5170X
Calibration Data			
Ambient barometric pressure	Pa = 767.4 (mmHg)	Ambient temperature	Ta = 288.55 (deg K)
Qstd Slope, m = 2.0142	4	Qstd Intercept, b =	0.020850

Calibration Curve

Plate No.	H ₂ O	Qstd	I	IC
Tale Ivo.	(in)	(m ³ / min)	(chart)	(corrected)
18	7.90	1.415	50.0	51.06
13	6.60	1.292	46.0	46.97
10	4.40	1.053	37.0	37.78
7	3.30	0.911	34.0	34.72
5	2.30	0.758	27.0	27.57

Subsequent calculation of sampler flow

Method	Calibration equation	Slope, m	Intercept, b	Corr. coeff., r	
Dickson recorder	Qstd = 1 / m1 [(I) (Sqrt ((Pav / 760) (298 / Tav))) - b1]	34.998	1.6194	0.9968	ĺ



Calibration curve requirements: (A). r > 0.990; (B). At least 3 Qstd numbers are in the TSP range (1.1 - 1.7 m3 / min).

Remark: Qstd (m³ / min) = 1/m [Sqrt (H₂O (Pa / 760) (298 / Ta)) - b]. IC (corrected) = I [Sqrt ((Pa / 760) (298 / Ta))].

FLOW (corrected) = Sqrt (FLOW (mano) (Pa / 760) (298 / Ta))

Calibrated by:

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

Form: No. INS-HVS-CAL dd 16 01 2020

Air Sampler Calibration Curve Plotting & Calculation

(Dickson recorder)

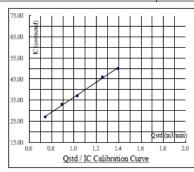
Calibration curve ref. N	o.: ATSPC-01-2024040801	Date of calibration	: 08/04/2024
Location :	Sky Tower	Sampler :	TE-5170X
Calibration Data			
Ambient barometric pre	ssure, Pa = 759.1 (mmH	g) Ambient temperatu	re, Ta =298.25 (deg K)
Qstd Slope, m = 2	01424	Qstd Intercept, b =	0.020850

Calibration Curve

Cultoration Carre								
Plate No.	H ₂ O	Qstd	I	IC				
Plate No.	(in)	(m^3/min)	(chart)	(corrected)				
18	8.00	1.392	50.0	49.95				
13	6.50	1.254	46.0	45.95				
10	4.40	1.030	37.0	36.96				
7	3.30	0.891	33.0	32.97				
5	2.30	0.742	27.0	26.97				

Subsequent calculation of sampler flow

Method	Calibration equation	Slope, m	Intercept, b	Corr. coeff., r
Dickson recorder	Qstd = 1 / ml [(I)(Sqrt((Pav/760)(298/Tav)))-bl]	35.533	0.8308	0.9987



Calibration curve requirements : (A). r > 0.990; (B). At least 3 Qstd numbers are in the TSP range (1.1 - 1.7 m3 / min).

 $\begin{array}{lll} Remark: & Q_2td\left(\,m^3\,/\,min\,\right) = 1/m\,[\,Sqrt\left(\,H_2O\left(\,Pa\,/\,760\,\right)\left(\,298\,/\,Ta\,\right)\,\right) - b\,]. \\ \\ IC\,(\,corrected\,) = I\,[\,Sqrt\left(\,(\,Pa\,/\,760\,)\left(\,298\,/\,Ta\,\right)\,\right)\,]. \end{array}$

FLOW (corrected) = Sqrt (FLOW (mano) (Pa / 760) (298 / Ta))

Calibrated by : Checked by : Name : (Poon Tsz Wing) Name : (Choy Ching Yee)

Form No. INS-HVS-CAL dd 16 01 2020

Calibration Certificate of HVS

Air Sampler Calibration Curve Plotting & Calculation (Dickson recorder)

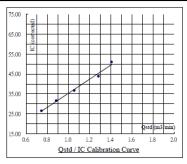
Calibration curve ref. No. :	ATSPC-01-2024020903	Date of calibration :	09/02/2024
Location : Hong Ko	ng Children's Hospital	Sampler :	TE-5170X
Calibration Data			
Ambient barometric pressure,	Pa = 767.4 (mmHg)	Ambient temperature, Ta	a = 288.55 (deg K)
Qstd Slope, m = 2.01424	4	Qstd Intercept, b =	0.020850

Calibration Curve

Plate No.	H_2O	Qstd	I	IC
Flate No.	(in)	(m ³ / min)	(chart)	(corrected)
18	7.80	1.406	50.0	51.06
13	6.50	1.282	43.0	43.91
10	4.40	1.053	36.0	36.76
7	3.10	0.882	31.0	31.66
5	2.20	0.742	26.0	26.55

Subsequent calculation of sampler flow

Method	Calibration equation	Slope, m	Intercept, b	Corr. coeff., r	ı
Dickson recorder	Qstd = 1 / m1 [(I)(Sqrt((Pav / 760)(298 / Tav))) - b1]	35.247	0.1676	0.9942	ĺ



Calibration curve requirements : (A). r > 0.990; (B). At least 3 Qstd numbers are in the TSP range (1.1 - 1.7 m3 / min).

FLOW (corrected) = Sqrt (FLOW (mano) (Pa / 760) (298 / Ta)).

Form No. INS-HVS-CAL dd 16 01 2020

Air Sampler Calibration Curve Plotting & Calculation

(Dickson recorder)

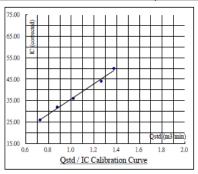
Calibration cur	ve ref. No. :	TSPC-01-20	24040803	Date of calibration :	08/04/2024	
Location :	Hong Kong (hildren's Ho	spital	Sampler :	TE-5170X	
Calibration Da	<u>ta</u>					
Ambient barom	etric pressure, Pa =	759.1	(mmHg)	Ambient temperature, Ta =	298.25	(deg K)
Qstd Slope, m =	= 2.01424			Qstd Intercept, b = 0.	020850	

Calibration Curve

Plate No.	H ₂ O	Qstd	I	IC
Plate No.	(in)	(m^3/min)	(chart)	(corrected)
18	7.80	1.375	50.0	49.95
13	6.60	1.264	44.0	43.96
10	4.30	1.018	36.0	35.96
7	3.20	0.877	32.0	31.97
5	2.20	0.725	26.0	25.97

Subsequent calculation of sampler flow

Method	Calibration equation	Slope, m	Intercept, b	Corr. coeff., r
Dickson recorder	Qstd = 1 / ml [(I)(Sqrt((Pav/760)(298/Tav)))-b1]	35.354	0.3766	0.9963



Calibration curve requirements : (A). r > 0.990; (B). At least 3 Qstd numbers are in the TSP range (1.1 - 1.7 m3 / min).

Remark: $Qstd(m^3/min) = 1/m[Sqrt(H_2O(Pa/760)(298/Ta)) - b].$ IC(corrected) = I[Sqrt((Pa/760)(298/Ta))].

FLOW (corrected) = Sqrt (FLOW (mano) (Pa / 760) (298 / Ta)).

Calibrated by: Checked by: Checked by: Name: (Choy Ching Yee)

Form No. INS-HVS-CAL dd 16 01 2020

Calibration Certificate of HVS

Air Sampler Calibration Curve Plotting & Calculation (Dickson recorder)

Calibration curve ref. No. :	ATSPC-01-20	23061901	Date of calibration :	19/06/2023	
Model no :	GS2310		Serial number :	10346	
Calibration Data					
Ambient barometric pressure,	Pa = 755.3	(mmHg)	Ambient temperature, Ta =	305.25	(deg K)
Ostd Slope, m = 2.0142	4		Ostd Intercept, b = 0.	020850	

Calibration Curve Ostd H₂O Plate No. (in) (m3/min) (chart) (corrected) 7.60 1.338 50.0 49.25 6.50 1.236 44.0 43.34 13 38.0 10 4.40 1.015 37.43 3.20 0.864 32.0 31.52

Subsequent calculation of sampler flow

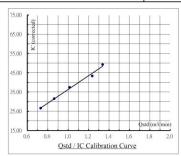
2.30

Method	Calibration equation	Slope, m	Intercept, b	Corr. coeff., r	
Dickson recorder	Qstd = 1 / m1 [(1) (Sqrt ((Pav / 760) (298 / Tav))) - b1]	35.675	0.6397	0.9953	

27.0

26.60

0.731



Calibration curve requirements: (A). r > 0.990; (B). At least 3 Qstd numbers are in the TSP range (1.1 - 1.7 m3 / min).

Qstd (m^3 / min) = 1/m [Sqrt (H_2O (Pa / 760) (298 / Ta)) - b]. IC (corrected) = I [Sqrt ((Pa / 760)(298 / Ta))]. FLOW (corrected) = Sqrt (FLOW (mano) (Pa / 760) (298 / Ta)).

Calibrated by: Checked by: (Poon Tsz Wing)

Form No. INS-HVS-CAL dd 16 01 2020

Orifice Transfer Standard Certification Worksheet TE-5025A



RECALIBRATION **DUE DATE:** May 17, 2024

Calibration Certification Information						
Cal. Date: May 17, 2023	Rootsmeter S/N: 438320	Ta: 297	°K			
Operator: Jim Tisch		Pa: 745.0	mm Hg			
Calibration Model #: TE-5025A	Calibrator S/N: 0006					

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4270	3.2	2.00
2	3	4	1	1.0000	6.4	4.00
3	5	6	1	0.8940	7.9	5.00
4	7	8	1	0.8490	8.8	5.50
5	9	10	1	0.6990	12.8	8.00

		Data Tabulat	ion		
Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$ (y-axis)	Va	Qa (x-axis)	√∆H(Ta/Pa)
0.9793	0.6863	1.4025	0.9957	0.6978	0.8929
0.9751	0.9751	1.9835	0.9914	0.9914	1.2628
0.9731	1.0885	2.2176	0.9894	1.1067	1.4119
0.9719	1.1448	2.3258	0.9882	1.1639	1.4808
0.9666	1.3829	2.8051	0.9828	1.4060	1.7859
	m=	2.01424		m=	1.26128
QSTD	b=	0.02085	QA	b=	0.01328
-,	r=	0.99999		r=	0.99999

Calculatio	ns	
Vstd= ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	Va= ΔVol((Pa-ΔP)/Pa)	
Qstd= Vstd/ΔTime	Qa= Va/ΔTime	
For subsequent flow ra	te calculations:	
$Qstd= 1/m \left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b$	Qa= $1/m\left(\left(\sqrt{\Delta H(Ta/Pa)}\right)-b\right)$	

11376	Standard Conditions
Tstd:	298.15 °K
Pstd:	760 mm Hg
	Key
ΔH: calibrator	manometer reading (in H2O)
ΔP: rootsmete	er manometer reading (mm Hg)
Ta: actual abs	olute temperature (°K)
Pa: actual bar	ometric pressure (mm Hg)
b: intercept	
m: slope	

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

RECALIBRATION

Tisch Environmental, Inc. 145 South Miami Avenue Village of Cleves, OH 45002

www.tisch-env.com TOLL FREE: (877)263-7610 FAX: (513)467-9009

Catalogue of Dust Meter (TSI Sidepak AM510)

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 and long battery life, the AM510 is also ideal for extended sampling. The easy-to-use TrakPro Data Analysis Software lets you create effective graphs and reports.

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
- + Choice of rechargeable NiMH smart battery packs or AA-cell pack

Model AM510 SidePak Personal Aerosol Monitor

Sensitivity

90° light scattering, Sensor Type 670 nm laser diode 0.001 to 20 mg/m³ 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/m³

Zero stability ±0.001 mg/m3 over 24 hours

using 10-second time-constant Temperature Coefficient Approximately +0.0005 mg/m³ per

°C (for variations from temperature at which instrument was last zeroed)

Flow Rate

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

Temperature Range

32 to 120°F (0 to 50°C)

Storage Range -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

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 Range 0.1 to 10.0, user-adjustable

Physical

Weight

4.2 x 3.7 x 2.8 in. (106 x 92 x 70 mm) with 801723, 801724, 801729 or External Dimensions

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,

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. S0 to 60 Hz

Input Voltage Range Output Voltage 9 VDC @ 1.0 A

Maintenance

Recommended annually Factory Clean/Calibrate User Zero Calibration Before each use User Flow Calibration As needed

Communications Interface

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

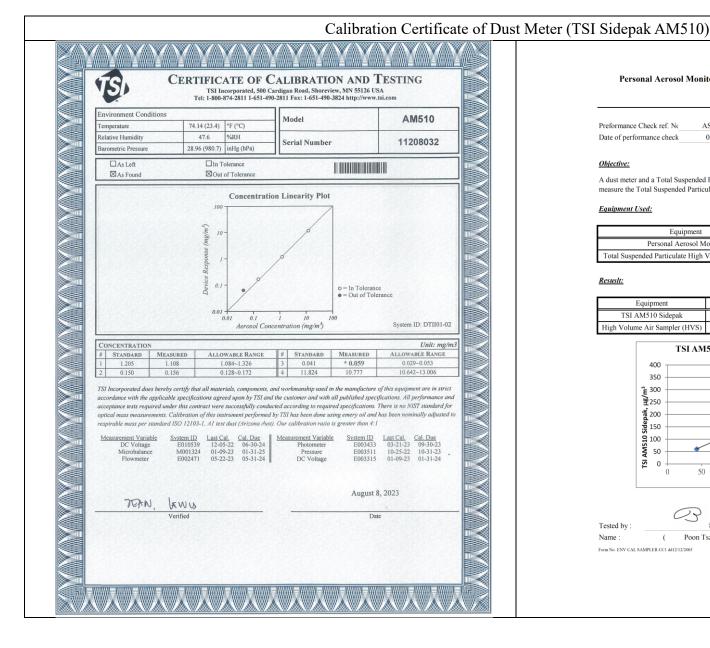
**All dust plugs and dust gaskets must be installed.

***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:

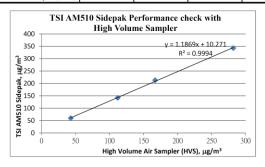
A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

Equipment Used:

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

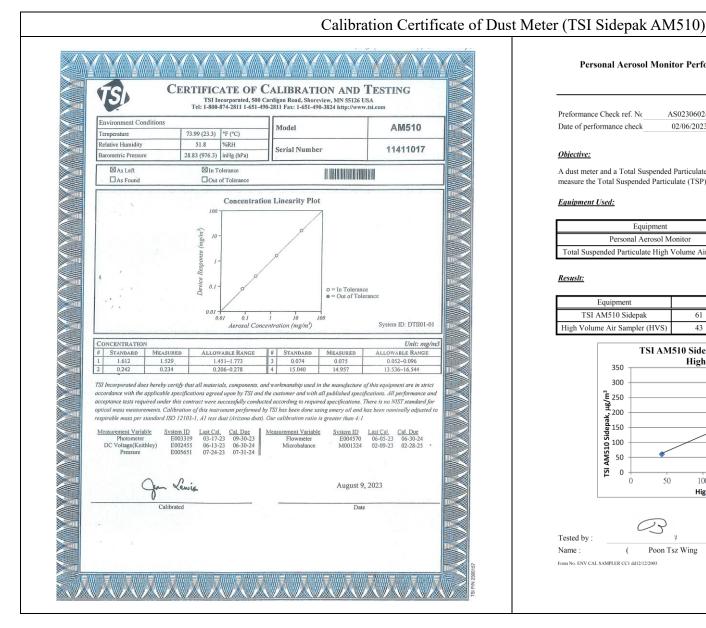
Resustt:

Equipment	Measurement Result, μg/m ³			
TSI AM510 Sidepak	60	142	213	343
High Volume Air Sampler (HVS)	43	112	167	282



Checked by Tested by

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



Personal Aerosol Monitor Performance check with High Volume Sampler

Preformance Check ref. No	AS0230602-5	Report Issue Date	02/06/2023	
Date of performance check	02/06/2023			

Objective:

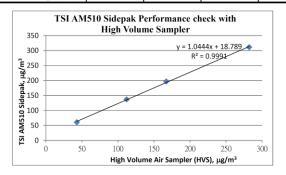
A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

Equipment Used:

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

Resusit:

Equipment	Measurement Result, μg/m ³			
TSI AM510 Sidepak	61	137	197	311
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

Catalogue of Weather Station

Cabled Vantage Pro2™ & Vantage Pro2 Plus™ Stations



6152C 6162C

Vantage Pro2™

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 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.

Integrated Sensor Suite (ISS)

Operating Temperature	-40° to +150°F (-40° to +65°C)
Non-operating Temperature	-40° to +158°F (-40° to +70°C)
	5 mA (average) at 4 to 6 VDC for ISS only. 10 mA average for both console and ISS
Connectors, Sensor	Modular RJ-11
Cable Type	4-conductor, 26 AWG
Cable Length, Anemometer	40' (12 m) (included); 240' (73 m) (maximum recommended)

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 m/s); at 240' (73 m), the maximum wind speed displayed is 100 mph (34 m/s)

Wind Speed Sensor Solid state magnetic sensor Wind Direction Sensor Wind vane with potentiometer (214 cm2) collection area Temperature Sensor Type...... PN Junction Silicon Diode Relative Humidity Sensor Type Film capacitor element Sensor Inputs

ISS Dimensions(not including anemometer or bird spikes):

Vantage Pro2 with Fan-Asprated Rad Shield........... 20.8" x 9.4" x 16.0" (528 mm x 239 mm x 406 mm) Vantage Pro2 Plus with Standard Rad Shield 14.3" x 9.7" x 14.5" (363 mm x 246 mm x 368 mm) Vantage Pro2 Plus with Fan-Aspirated Rad Shield 21.1" x 9.7" x 16.0" (536 mm x 246 mm x 406 mm)



DAVIS [""||| * Davis Instruments 3465 Diablo Ave., Hayward, CA 94545-2778 USA (510) 732-9229 * FAX (510) 670-0589 * sales@davisinstruments.com * www.davisinstruments.com

DS6152C, 6162C Rev. W 12/7/18

Vantage Pro2

Ultra Violet (UV) Radiation Index (requires UV sensor)

Historical Graph Data Hourly Average, Daily, Monthly Highs Alarm High Threshold from Instant Calculation

Wind

Wind Chill (Calculated)

Range -110° to +135°F (-79° to +57°C)

Source...... United States National Weather Service (NWS)/NOAA

Equation Used Osczevski (1995) (adopted by US NWS in 2001)

Variables Used Instant Outside Temperature and 10-min. Avg. Wind Speed

Current Display Data Instant Calculation

Current Graph Data Instant Calculation; Hourly, Daily and Monthly Low

Historical Graph Data. Hourly, Daily and Monthly Lows Alarm..... Low Threshold from Instant Calculation

Wind Direction

Monthly Dominant

Monthly Dominants

Wind Speed

other units are converted from mph and rounded to nearest 1 km/hr, 0.1

m/s or 1 knot

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,

Monthly and Yearly High with Direction of High

Highs with Direction of Highs

High Thresholds from Instant Reading and 10-minute Average

Calibration Certificate of Weather Station Cal Lab Limited 校正實驗室有限公司 Room 2103, Technology Plaza, 29-35 Sha Tsui Road, Tsuen Wan, NT, Hong Kong Tel: +852 25680106 Email: info@callab.com.hk CALIBRATION Fax: +852 30116194 Website: www.callab.com.hk Calibration Certificate No.: CC0122402 **Customer Information** Customer: Castco Testing Centre Limited Address: 33, On Kui Street, Fanling, N.T. **Equipment Identification** Equipment Description Manufacturer Model No. Serial No. Assigned equipment No.: Weather Station Davis Vantage PRO 2 BD190307008 AAST-WS-O-1 Certificate Information Date of Receipt: 6 February 2024 Calibration Condition: 21.5°C, 55%RH, 1012hPa Date of Calibration: 16 February 2024 Adjustment: N/A Due Date of Calibration: N/A Appearance: Good Calibration Procedure: JJF 1183-2007, JJF 1076-2001, Remark: N/A SOP-116 Reference Equipment Identification Equipment Description Serial No. Expiration Date Platinum resistance thermometer KPPRHT-A-1 KCI I-1095, KCI P-1095 9 November 2024 KPPRHT-A-1 Humidity sensor KCI I-1095, KCI P-1095 9 November 2024 Hot Wire Anemometer 9535 T95351316004 11 August 2024 Note1: The estimated expanded uncertainties have been calculated in "Evaluation and expression of uncertainty in measurement" and give an internal estimated to have a level of confidence of 95%. A coverage factor of 25 a savened unless explicitly stated. NOTE: The standard is jain internal used in the calculation are traceable to national or international recognized standard and are calibrated on a schedule to maintain the accuracy and good condition. The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of the Note4: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as re-Approved By: Company Chop: When Warren Yeung Certificate Issue Date: 16 February 2024

CC0122402

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1. The certificate shall not be reproduced except in full, without written approval of Cal Lab Limited

2. The certificate is issued subject to the latest Terms and Conditions, available at our web site

Appendix G – Weather information

General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)
01/04/2024	26.3	29.1	Trace
02/04/2024	25.9	28.9	0
03/04/2024	26.1	28.9	Trace
04/04/2024	26.5	28.5	Trace
05/04/2024	24.7	29.3	0.3
06/04/2024	23.4	25.4	2.7
07/04/2024	23.7	28.3	0.9
08/04/2024	23	28.8	0
09/04/2024	21.7	24.3	Trace
10/04/2024	21.9	26.8	0
11/04/2024	22.8	27.7	0
12/04/2024	23.1	30.2	0
13/04/2024	24.3	31.9	0
14/04/2024	25.7	31.4	0
15/04/2024	26.2	30.3	0
16/04/2024	25.2	31.4	0
17/04/2024	27	30.9	0
18/04/2024	24.1	29.5	8.6
19/04/2024	26.1	29.9	2.2
20/04/2024	23.3	29.5	42.2
21/04/2024	21.5	27.2	81.6
22/04/2024	23.3	26.9	13.2
23/04/2024	24.6	27.2	40
24/04/2024	24.8	27.8	Trace
25/04/2024	24.4	28.5	5.7
26/04/2024	24.4	29	25
27/04/2024	27.7	30.2	0.8
28/04/2024	23.4	28.3	12.2
29/04/2024	25.3	29.9	0
30/04/2024	23.1	30.5	21.7

NOTE1: The above weather information was obtained from manned weather station of Hong Kong Observatory.

NOTE2: race means rainfall less than 0.05 mm

https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2024&m=4

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

Date	Time	Wind Speed (m/s)	Wind Direction												
05/04/2024	0:00	1.8	112.5	06/04/2024	0:00	1.8	112.5	07/04/2024	0:00	1.8	112.5	08/04/2024	0:00	0.9	112.5
05/04/2024	1:00	0.9	292.5	06/04/2024	1:00	0.9	90	07/04/2024	1:00	1.3	112.5	08/04/2024	1:00	0.9	112.5
05/04/2024	2:00	0.9	135	06/04/2024	2:00	1.3	45	07/04/2024	2:00	1.8	112.5	08/04/2024	2:00	1.3	135
05/04/2024	3:00	1.3	90	06/04/2024	3:00	1.3	67.5	07/04/2024	3:00	1.3	112.5	08/04/2024	3:00	0.9	90
05/04/2024	4:00	0.9	202.5	06/04/2024	4:00	0.9	90	07/04/2024	4:00	1.8	45	08/04/2023	4:00	0.9	112.5
05/04/2024	5:00	0.9	112.5	06/04/2024	5:00	1.3	0	07/04/2024	5:00	1.3	337.5	08/04/2023	5:00	0.9	112.5
05/04/2024	6:00	0.9	135	06/04/2024	6:00	0.9	135	07/04/2024	6:00	0.9	112.5	08/04/2024	6:00	0.9	112.5
05/04/2024	7:00	0.9	90	06/04/2024	7:00	1.3	67.5	07/04/2024	7:00	1.3	135	08/04/2024	7:00	0.9	90
05/04/2024	8:00	1.3	90	06/04/2024	8:00	1.8	112.5	07/04/2024	8:00	1.8	90	08/04/2024	8:00	1.3	112.5
05/04/2024	9:00	1.8	112.	06/04/2024	9:00	2.7	90	07/04/2024	9:00	1.8	135	08/04/2024	9:00	1.8	67.5
05/04/2024	10:00	0.9	90	06/04/2024	10:00	2.2	90	07/04/2024	10:00	1.3	135	08/04/2024	10:00	1.3	45
05/04/2024	11:00	0.4	112.5	06/04/2024	11:00	2.7	90	07/04/2024	11:00	1.8	67.5	08/04/2024	11:00	1.8	22.5
05/04/2024	12:00	0.9	135	06/04/2024	12:00	2.7	90	07/04/2024	12:00	0.4	90	08/04/2024	12:00	1.8	45
05/04/2024	13:00	1.8	135	06/04/2024	13:00	1.8	112.5	07/04/2024	13:00	1.8	225	08/04/2024	13:00	1.8	45
05/04/2024	14:00	1.3	45	06/04/2024	14:00	2.2	112.5	07/04/2024	14:00	1.3	67.5	08/04/2024	14:00	1.8	22.5
05/04/2024	15:00	0.9	315	06/04/2024	15:00	1.3	90	07/04/2024	15:00	0.9	22.5	08/04/2024	15:00	1.3	67.5
05/04/2024	16:00	0.9	112.5	06/04/2024	16:00	2.2	90	07/04/2024	16:00	0.4	112.5	08/04/2024	16:00	1.3	90
05/04/2024	17:00	0.9	135	06/04/2024	17:00	1.8	90	07/04/2024	17:00	0.4	112.5	08/04/2024	17:00	1.8	112.5
05/04/2024	18:00	1.3	112.5	06/04/2024	18:00	1.8	112.5	07/04/2024	18:00	1.3	112.5	08/04/2024	18:00	2.7	90
05/04/2024	19:00	0.9	112.5	06/04/2024	19:00	0.9	135	07/04/2024	19:00	1.3	112.5	08/04/2024	19:00	1.3	90
05/04/2024	20:00	1.3	112.5	06/04/2024	20:00	0.9	112.5	07/04/2024	20:00	1.3	112.5	08/04/2024	20:00	1.8	45
05/04/2024	21:00	0.9	135	06/04/2024	21:00	0.9	112.5	07/04/2024	21:00	1.3	135	08/04/2024	21:00	1.8	67.5
05/04/2024	22:00	0.9	157.5	06/04/2024	22:00	0.9	112.5	07/04/2024	22:00	1.3	90	08/04/2024	22:00	0.9	112.5
05/04/2024	23:00	0.9	135	06/04/2024	23:00	0.4	135	07/04/2024	23:00	0.9	112.5	08/04/2024	23:00	0.9	45

Date	Time	Wind Speed (m/s)	Wind Direction												
09/04/2024	0:00	0.4	112.5	10/04/2024	0:00	0.9	112.5	11/04/2024	0:00	0.9	112.5	12/04/2024	0:00	0.9	67.5
09/04/2024	1:00	0.9	90	10/04/2024	1:00	0.9	112.5	11/04/2024	1:00	0.4	112.5	12/04/2024	1:00	0.4	112.5
09/04/2024	2:00	0.9	112.5	10/04/2024	2:00	0	225	11/04/2024	2:00	0.4	90	12/04/2024	2:00	0.4	135
09/04/2024	3:00	1.3	112.5	10/04/2024	3:00	0	225	11/04/2024	3:00	0.9	22.5	12/04/2024	3:00	0.4	45
09/04/2024	4:00	0.9	112.5	10/04/2024	4:00	0.9	247.5	11/04/2024	4:00	0.9	0	12/04/2024	4:00	0.4	135
09/04/2024	5:00	1.3	90	10/04/2024	5:00	0.4	270	11/04/2024	5:00	1.3	135	12/04/2024	5:00	0.4	90
09/04/2024	6:00	0.9	90	10/04/2024	6:00	0	180	11/04/2024	6:00	1.8	67.5	12/04/2024	6:00	0.4	22.5
09/04/2024	7:00	0.4	135	10/04/2024	7:00	0.4	270	11/04/2024	7:00	0.9	157.5	12/04/2024	7:00	1.3	90
09/04/2024	8:00	0.9	337.5	10/04/2224	8:00	0.4	157.5	11/04/2024	8:00	0.4	90	12/04/2024	8:00	0.9	112.5
09/04/2024	9:00	0.9	135	10/04/2024	9:00	0.4	202.5	11/04/2024	9:00	0.4	22.5	12/04/2024	9:00	0.9	112.5
09/04/2024	10:00	0.9	90	10/04/2024	10:00	0.9	270	11/04/2024	10:00	1.3	90	12/04/2024	10:00	0.9	135
09/04/2024	11:00	0.9	67.5	10/04/2024	11:00	0.4	135	11/04/2024	11:00	0.9	112.5	12/04/2024	11:00	0.9	90
09/04/2024	12:00	0.9	67.5	10/04/2024	12:00	0.9	67.5	11/04/2024	12:00	0.9	112.5	12/04/2024	12:00	0.9	112.5
09/04/2024	13:00	0.9	0	10/04/2024	13:00	1.3	112.5	11/04/2024	13:00	0.9	135	12/04/2024	13:00	1.8	112.5
09/04/2024	14:00	0.9	90	10/04/2024	14:00	0.9	112.5	11/04/2024	14:00	0.9	90	12/04/2024	14:00	1.3	112.5
09/04/2024	15:00	1.3	45	10/04/2024	15:00	0.9	135	11/04/2024	15:00	0.9	112.5	12/04/2024	15:00	0.9	90
09/04/2024	16:00	1.3	337.5	10/04/2024	16:00	0.9	135	11/04/2024	16:00	1.8	112.5	12/04/2024	16:00	1.3	0
09/04/2024	17:00	1.3	67.5	10/04/2024	17:00	0.4	112.5	11/04/2024	17:00	1.3	112.5	12/04/2024	17:00	1.3	90
09/04/2024	18:00	1.3	67.5	10/04/2024	18:00	0.4	112.5	11/04/2024	18:00	0.9	90	12/04/2024	18:00	1.3	90
09/04/2024	19:00	0.9	315	10/04/2024	19:00	0.9	112.5	11/04/2024	19:00	1.8	90	12/04/2024	19:00	1.3	90
09/04/2024	20:00	1.3	112.5	10/04/2024	20:00	0.9	112.5	11/04/2024	20:00	1.3	90	12/04/2024	20:00	0.9	315
09/04/2024	21:00	0.4	0	10/04/2024	21:00	0.4	112.5	11/04/2024	21:00	1.8	67.5	12/04/2024	21:00	0.9	112.5
09/04/2024	22:00	0.4	270	10/04/2024	22:00	0.9	112.5	11/04/2024	22:00	0.9	112.5	12/04/2024	22:00	0.9	112.5
09/04/2024	23:00	0.9	112.5	10/04/2024	23:00	0.4	112.5	11/04/2024	23:00	1.8	22.5	12/04/2024	23:00	0.9	45

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

Date	Time	Wind Speed (m/s)	Wind Direction												
17/04/2024	0:00	0.9	112.5	18/04/2024	0:00	0.9	157.5	19/04/2024	0:00	0.9	90	20/04/2024	0:00	0.9	45
17/04/2024	1:00	0.9	112.5	18/04/2024	1:00	0.9	292.5	19/04/2024	1:00	0.9	112.5	20/04/2024	1:00	2.2	45
17/04/2024	2:00	1.3	135	18/04/2024	2:00	0.4	112.5	19/04/2024	2:00	0.9	112.5	20/04/2024	2:00	1.3	90
17/04/2024	3:00	0.9	135	18/04/2024	3:00	0.4	247.5	19/04/2024	3:00	0.9	112.5	20/04/2024	3:00	2.2	45
17/04/2024	4:00	0.9	112.5	18/04/2024	4:00	0.9	315	19/04/2024	4:00	0.4	135	20/04/2024	4:00	2.2	90
17/04/2024	5:00	0.4	112.5	18/04/2024	5:00	0.4	315	19/04/2024	5:00	0.9	112.5	20/04/2024	5:00	2.7	90
17/04/2024	6:00	0.4	45	18/04/2024	6:00	0.4	135	19/04/2024	6:00	0.9	157.5	20/04/2024	6:00	1.8	90
17/04/2024	7:00	0.9	112.5	18/04/2024	7:00	0.9	112.5	19/04/2024	7:00	0.9	112.5	20/04/2024	7:00	1.8	112.5
17/04/2024	8:00	0.9	157.5	18/04/2024	8:00	1.3	67.5	19/04/2024	8:00	0.9	90	20/04/2024	8:00	1.8	90
17/04/2024	9:00	0.9	292.5	18/04/2024	9:00	0.9	247.5	19/04/2024	9:00	0.4	112.5	20/04/2024	9:00	1.8	315
17/04/2024	10:00	0.4	112.5	18/04/2024	10:00	0.9	22.5	19/04/2024	10:00	1.3	67.5	20/04/2024	10:00	1.3	67.5
17/04/2024	11:00	0.4	247.5	18/04/2024	11:00	0.4	22.5	19/04/2024	11:00	1.3	45	20/04/2024	11:00	1.8	22.5
17/04/2024	12:00	0.9	315	18/04/2024	12:00	1.3	45	19/04/2024	12:00	1.3	45	20/04/2024	12:00	1.8	22.5
17/04/2024	13:00	0.4	315	18/04/2024	13:00	0.4	112.5	19/04/2024	13:00	1.8	45	20/04/2024	13:00	2.7	90
17/04/2024	14:00	0.4	135	18/04/2024	14:00	0.4	157.5	19/04/2024	14:00	1.3	45	20/04/2024	14:00	1.8	112.5
17/04/2024	15:00	0.9	112.5	18/04/2024	15:00	1.3	45	19/04/2024	15:00	1.8	67.5	20/04/2024	15:00	1.8	112.5
17/04/2024	16:00	0.4	112.5	18/04/2024	16:00	1.3	247.5	19/04/2024	16:00	0.9	22.5	20/04/2024	16:00	1.8	112.5
17/04/2024	17:00	0.9	292.5	18/04/2024	17:00	1.3	22.5	19/04/2024	17:00	0.9	45	20/04/2024	17:00	1.8	45
17/04/2024	18:00	0.9	90	18/04/2024	18:00	0.9	225	19/04/2024	18:00	0.9	67.5	20/04/2024	18:00	2.7	45
17/04/2024	19:00	0.9	135	18/04/2024	19:00	0.9	67.5	19/04/2024	19:00	1.3	67.5	20/04/2024	19:00	1.8	157.5
17/04/2024	20:00	0.9	90	18/04/2024	20:00	0.9	22.5	19/04/2024	20:00	0.9	45	20/04/2024	20:00	1.8	112.5
17/04/2024	21:00	0.9	112.5	18/04/2024	21:00	1.3	157.5	19/04/2024	21:00	0.9	67.5	20/04/2024	21:00	2.7	180
17/04/2024	22:00	1.3	67.5	18/04/2024	22:00	0.9	135	19/04/2024	22:00	1.3	112.5	20/04/2024	22:00	1.3	112.5
17/04/2024	23:00	0.9	112.5	18/04/2024	23:00	1.3	67.5	19/04/2024	23:00	0.9	45	20/04/2024	23:00	1.3	90

Date	Time	Wind Speed (m/s)	Wind Direction												
21/04/2024	0:00	0.9	45	22/04/2024	0:00	1.3	247.5	23/04/2024	0:00	1.8	112.5	24/04/2024	0:00	1.3	135
21/04/2024	1:00	0.9	22.5	22/04/2024	1:00	1.3	225	23/04/2024	1:00	2.2	112.5	24/04/2024	1:00	1.3	112.5
21/04/2024	2:00	1.8	112.5	22/04/2024	2:00	1.3	45	23/04/2024	2:00	1.8	45	24/04/2024	2:00	1.8	135
21/04/2024	3:00	2.2	67.5	22/04/2024	3:00	1.3	45	23/04/2024	3:00	1.8	337.5	24/04/2024	3:00	1.3	135
21/04/2024	4:00	1.8	45	22/04/2024	4:00	1.8	45	23/04/2024	4:00	1.8	112.5	24/04/2024	4:00	0.9	135
21/04/2024	5:00	1.3	67.5	22/04/2024	5:00	1.3	45	23/04/2024	5:00	0.9	112.5	24/04/2024	5:00	1.8	90
21/04/2024	6:00	2.2	112.5	22/04/2024	6:00	1.8	67.5	23/04/2024	6:00	1.3	112.5	24/04/2024	6:00	1.8	112.5
21/04/2024	7:00	2.7	337.5	22/04/2024	7:00	1.3	45	23/04/2024	7:00	1.3	225	24/04/2024	7:00	1.8	112.5
21/04/2024	8:00	2.7	67.5	22/04/2024	8:00	1.3	45	23/04/2024	8:00	1.8	247.5	24/04/2024	8:00	0.9	90
21/04/2024	9:00	3.1	67.5	22/04/2024	9:00	2.7	45	23/04/2024	9:00	1.3	247.5	24/04/2024	9:00	0.9	112.5
21/04/2024	10:00	3.1	90	22/04/2024	10:00	1.8	45	23/04/2024	10:00	1.8	90	24/04/2024	10:00	0.9	112.5
21/04/2024	11:00	3.6	67.5	22/04/2024	11:00	1.3	22.5	23/04/2024	11:00	1.3	45	24/04/2024	11:00	0.9	225
21/04/2024	12:00	1.3	67.5	22/04/2024	12:00	1.3	45	23/04/2024	12:00	1.8	247.5	24/04/2024	12:00	1.8	112.5
21/04/2024	13:00	1.3	90	22/04/2024	13:00	1.8	45	23/04/2024	13:00	2.7	112.5	24/04/2024	13:00	1.8	135
21/04/2024	14:00	2.2	90	22/04/2024	14:00	2.2	270	23/04/2024	14:00	2.2	112.5	24/04/2024	14:00	1.3	112.5
21/04/2024	15:00	2.2	112.5	22/04/2024	15:00	1.3	22.5	23/04/2024	15:00	2.7	90	24/04/2024	15:00	1.3	90
21/04/2024	16:00	2.2	90	22/04/2024	16:00	2.2	45	23/04/2024	16:00	3.1	225	24/04/2024	16:00	0.9	112.5
21/04/2024	17:00	1.8	135	22/04/2024	17:00	0.4	247.5	23/04/2024	17:00	1.8	202.5	24/04/2024	17:00	1.3	67.5
21/04/2024	18:00	2.2	247.5	22/04/2024	18:00	0.9	270	23/04/2024	18:00	1.8	45	24/04/2024	18:00	0.4	45
21/04/2024	19:00	2.2	90	22/04/2024	19:00	1.3	270	23/04/2024	19:00	1.3	45	24/04/2024	19:00	1.3	112.5
21/04/2024	20:00	1.8	90	22/04/2024	20:00	1.3	247.5	23/04/2024	20:00	1.8	67.5	24/04/2024	20:00	0.9	45
21/04/2024	21:00	1.8	112.5	22/04/2024	21:00	1.3	247.5	23/04/2024	21:00	2.2	67.5	24/04/2024	21:00	1.3	90
21/04/2024	22:00	2.7	90	22/04/2024	22:00	1.8	270	23/04/2024	22:00	1.3	67.5	24/04/2024	22:00	0.9	45
21/04/2024	23:00	1.8	45	22/04/2024	23:00	0.9	112.5	23/04/2024	23:00	1.3	67.5	24/04/2024	23:00	0.4	67.5

Date	Time	Wind Speed (m/s)	Wind Direction												
25/04/2024	0:00	2.7	90	26/04/2024	0:00	0.9	135	27/04/2024	0:00	1.3	67.5	28/04/2024	0:00	0.9	247.5
25/04/2024	1:00	1.3	90	26/04/2024	1:00	0.4	45	27/04/2024	1:00	1.3	67.5	28/04/2024	1:00	0.9	112.5
25/04/2024	2:00	1.8	112.5	26/04/2024	2:00	0.4	315	27/04/2024	2:00	1.8	45	28/04/2024	2:00	0.4	135
25/04/2024	3:00	1.8	22.5	26/04/2024	3:00	0.4	22.5	27/04/2024	3:00	1.3	67.5	28/04/2024	3:00	0.4	112.5
25/04/2024	4:00	2.2	45	26/04/2024	4:00	0.9	112.5	27/04/2024	4:00	0.4	112.5	28/04/2024	4:00	2.2	247.5
25/04/2024	5:00	1.8	67.5	26/04/2024	5:00	0.4	67.5	27/04/2024	5:00	0.4	112.5	28/04/2024	5:00	2.7	247.5
25/04/2024	6:00	1.3	90	26/04/2024	6:00	1.8	247.5	27/04/2024	6:00	0.9	112.5	28/04/2024	6:00	1.3	270
25/04/2024	7:00	1.8	67.5	26/04/2024	7:00	1.3	247.5	27/04/2024	7:00	0.4	112.5	28/04/2024	7:00	0.9	247.5
25/04/2024	8:00	2.7	90	26/04/2024	8:00	1.8	225	27/04/2024	8:00	0.9	67.5	28/04/2024	8:00	1.3	270
25/04/2024	9:00	0.9	22.5	26/04/2024	9:00	1.3	247.5	27/04/2024	9:00	0.9	67.5	28/04/2024	9:00	1.3	67.5
25/04/2024	10:00	0.9	292.5	26/04/2024	10:00	1.8	247.5	27/04/2024	10:00	0.4	112.5	28/04/2024	10:00	1.8	247.5
25/04/2024	11:00	1.8	247.5	26/04/2024	11:00	2.2	270	27/04/2024	11:00	0.4	112.5	28/04/2024	11:00	1.3	225
25/04/2024	12:00	1.3	180	26/04/2024	12:00	1.3	45	27/04/2024	12:00	0.4	67.5	28/04/2024	12:00	0.9	247.5
25/04/2024	13:00	0.4	112.5	26/04/2024	13:00	0.9	112.5	27/04/2024	13:00	0.9	45	28/04/2024	13:00	0.4	112.5
25/04/2024	14:00	0.4	67.5	26/04/2024	14:00	0.9	67.5	27/04/2024	14:00	0.4	112.5	28/04/2024	14:00	0.4	135
25/04/2024	15:00	0.4	22.5	26/04/2024	15:00	2.2	112.5	27/04/2024	15:00	0.4	90	28/04/2024	15:00	0.4	135
25/04/2024	16:00	0.4	67.5	26/04/2024	16:00	3.1	90	27/04/2024	16:00	0.4	202.5	28/04/2024	16:00	0.4	112.5
25/04/2024	17:00	0.4	135	26/04/2024	17:00	2.7	112.5	27/04/2024	17:00	0.4	157.5	28/04/2024	17:00	0.4	112.5
25/04/2024	18:00	0.4	337.5	26/04/2024	18:00	2.7	112.5	27/04/2024	18:00	1.3	247.5	28/04/2024	18:00	0.9	90
25/04/2024	19:00	0.9	135	26/04/2024	19:00	1.8	90	27/04/2024	19:00	0.4	225	28/04/2024	19:00	0.4	90
25/04/2024	20:00	0.9	112.5	26/04/2024	20:00	1.8	112.5	27/04/2024	20:00	0.4	247.5	28/04/2024	20:00	0.4	90
25/04/2024	21:00	0.4	112.5	26/04/2024	21:00	2.2	112.5	27/04/2024	21:00	0.4	135	28/04/2024	21:00	0.4	112.5
25/04/2024	22:00	0.9	112.5	26/04/2024	22:00	2.2	90	27/04/2024	22:00	0.4	90	28/04/2024	22:00	0.4	112.5
25/04/2024	23:00	0.4	112.5	26/04/2024	23:00	1.8	112.5	27/04/2024	23:00	0.9	90	28/04/2024	23:00	0.9	112.5

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
29/04/2024	0:00	0.4	90	30/04/2023	0:00	1.8	112.5								
29/04/2024	1:00	1.3	135	30/04/2023	1:00	0.9	90								
29/04/2024	2:00	1.3	90	30/04/2023	2:00	1.3	90								
29/04/2024	3:00	0.9	112.5	30/04/2023	3:00	0.9	135								
29/04/2024	4:00	0.4	112.5	30/04/2023	4:00	1.8	247.5								
29/04/2024	5:00	0.4	135	30/04/2023	5:00	1.3	247.5								
29/04/2024	6:00	0.4	90	30/04/2023	6:00	1.8	225								
29/04/2024	7:00	0.9	180	30/04/2023	7:00	1.3	247.5								
29/04/2024	8:00	0.9	247.5	30/04/2023	8:00	1.8	247.5								
29/04/2024	9:00	0.9	247.5	30/04/2023	9:00	2.2	270								
29/04/2024	10:00	0.4	247.5	30/04/2023	10:00	2.2	45								
29/04/2024	11:00	0.9	270	30/04/2023	11:00	1.8	45								
29/04/2024	12:00	0.4	180	30/04/2023	12:00	2.2	45								
29/04/2024	13:00	0.4	135	30/04/2023	13:00	2.7	45								
29/04/2024	14:00	0.4	225	30/04/2023	14:00	1.8	157.5								
29/04/2024	15:00	0.4	202.5	30/04/2023	15:00	1.8	135								
29/04/2024	16:00	0.4	202.5	30/04/2023	16:00	2.7	270								
29/04/2024	17:00	0.4	225	30/04/2023	17:00	3.1	225								
29/04/2024	18:00	0.4	247.5	30/04/2023	18:00	3.1	157.5								
29/04/2024	19:00	0.4	270	30/04/2023	19:00	2.6	135								
29/04/2024	20:00	0.4	247.5	30/04/2023	20:00	2.2	247.5								
29/04/2024	21:00	0.4	247.5	30/04/2023	21:00	1.8	247.5								
29/04/2024	22:00	0.9	90	30/04/2023	22:00	1.8	135								
29/04/2024	23:00	0.4	135	30/04/2023	23:00	1.3	157.5								

Appendix H-24-hr TSP monitoring results and graphical presentation

Location: AM3 – Sky Tower

Start Date	Weather	Air Temp.	Atmospheric Pressure	Filter w	eight (g)	Particulate	Elapse	e Time	Sampling Time	Flow (cf)		Av. Flow	Total vol.	Conc.
		(°C)	(hPa)	Initial	Final	weight (g)	Initial	Final	(min)	Initial	Final	(m³/min)	(m^3)	$(\mu g/m^3)$
03/04/2024	Cloudy	29.5	1010.1	18.3963	18.4644	0.0681	2024/4/3 9:26	2024/4/4 9:26	1440.0	50	50	1.37	1972	35
09/04/2024	Cloudy	23.9	1015.8	14.2798	14.3751	0.0953	2024/4/9 9:22	2024/4/10 9:22	1440.0	50	50	1.39	1997	48
15/04/2024	Sunny	27.6	1013.0	14.4418	14.5422	0.1004	2024/4/15 13:28	2024/4/16 13:28	1440.0	50	50	1.38	1984	51
20/04/2024	Cloudy	29.7	1008.0	15.1346	15.2584	0.1238	2024/4/20 13:26	2024/4/21 13:26	1440.0	50	50	1.37	1972	63
26/04/2024	Cloudy	27.3	1004.3	15.0157	15.1843	0.1686	2024/4/26 9:31	2024/4/27 9:31	1440.0	50	50	1.37	1976	85

Maximum	85
Minimum	35
Average	56
Action Level	182
Limit Level	260

Location: AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

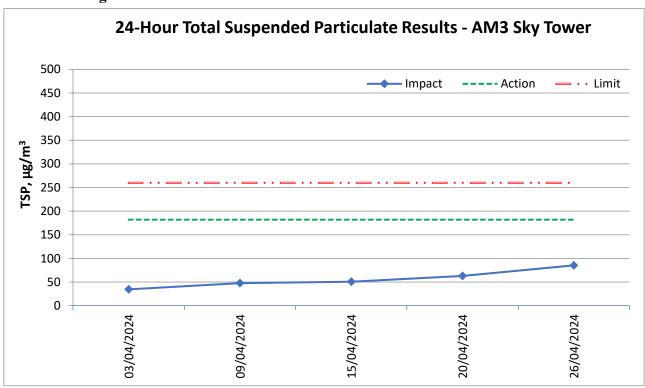
Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) ET will resume the impact monitoring once the alternative monitoring location for AM4(A) is confirmed.

Location: AM7 – Hong Kong Children's Hospital

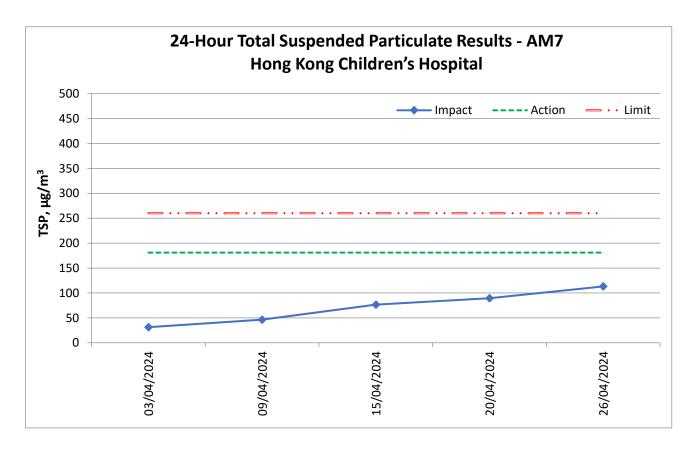
Start Date	Weather	Air Weather Temp.	1	0 .0.		Particulate	Elapse	e Time			Rate m)			Total conc.
		(°C)	(hPa)	Initial	Final	weight (g)	Initial	Final	(min)	Initial	Final	(m³/min)	(m^3)	$(\mu g/m^3)$
03/04/2024	Cloudy	29.5	1010.1	14.2843	14.3474	0.0631	2024/4/3 13:23	2024/4/4 13:23	1440.0	50	50	1.40	2017	31
09/04/2024	Cloudy	23.9	1015.8	14.6512	14.7461	0.0949	2024/4/9 13:20	2024/4/10 13:20	1440.0	50	50	1.42	2042	46
15/04/2024	Sunny	27.6	1013	14.2597	14.4135	0.1538	2024/4/15 9:38	2024/4/16 9:38	1440.0	50	50	1.40	2012	76
20/04/2024	Cloudy	29.7	1008	15.0345	15.2132	0.1787	2024/4/20 13:34	2024/4/21 13:34	1440.0	50	50	1.39	2000	89
26/04/2024	Cloudy	27.3	1004.3	14.5927	14.8194	0.2267	2024/4/26 9:29	2024/4/27 9:29	1440.0	50	50	1.39	2004	113

Maximum	113
Minimum	31
Average	71
Action Level	181
Limit Level	260

24-hour average TSP



Note: Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A). ET will resume the impact monitoring once the alternative monitoring location for AM4(A) is confirmed.



Appendix 1 – 1-hr 1SP monitoring results and graphical presentation

Location:
AM3 Sky Tower

Date	Date Measurement Period			1-hr TSP concentration, g/m ³	Weather	
	9:00	1	10:00	33		
03/04/2024	10:00	-	11:00	34	Cloudy	
	11:00	-	12:00	34		
	9:00	-	10:00	45		
09/04/2024	10:00	-	11:00	47	Cloudy	
	11:00	1	12:00	45		
	13:00	-	14:00	65		
15/04/2024	14:00	1	15:00	69	Sunny	
	15:00	-	16:00	67		
	13:00	-	14:00	60		
20/04/2024	14:00	-	15:00	63	Cloudy	
	15:00	1	16:00	64		
	9:00	-	10:00	84		
26/04/2024	10:00	-	11:00	90	Cloudy	
	11:00	1	12:00	89		
Maximum				90		
Minimum				33		
Average				59		
	tion Lev			297		
Limit Level				500		

Date Measurement Period 1-hr TSP concentration, μg/m³ Weather 9:00 10:00 41 Location: 10:00 11:00 44 03/04/2024 Cloudy AM4(A) -11:00 12:00 46 The Hong Kong 9:00 10:00 63 Society for the 09/04/2024 10:00 11:00 66 Cloudy Blind's Factory 67 **Sheltered** 11:00 12:00 cum Workshop 13:00 14:00 94 15/04/2024 14:00 15:00 92 Sunny 15:00 16:00 91 9:00 10:00 97 20/04/2024 Cloudy 10:00 11:00 99 12:00 11:00 96 13:00 14:00 94 26/04/2024 14:00 15:00 97 Cloudy 98 15:00 16:00

NOTE: Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since1 Sept 2022. 1-hr TSP monitoring at AM4(A) were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for AM4(A) is confirmed.

Maximum Minimum

Average

Action Level

Limit Level

99

41

79

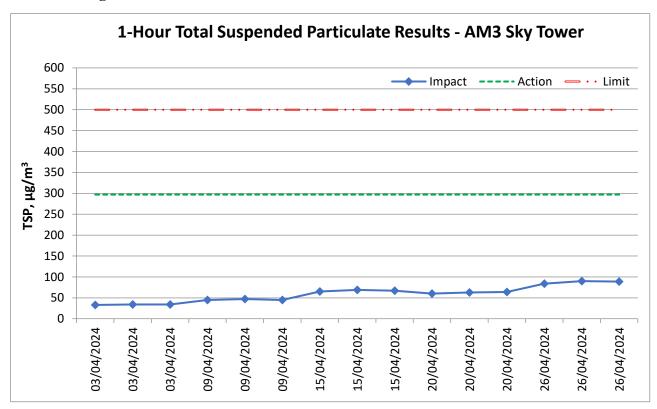
326

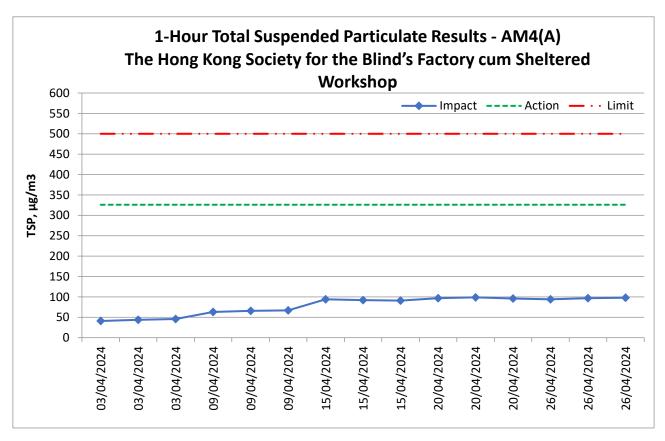
500

Location:
AM7 Hong Kong
Children's
Hospital

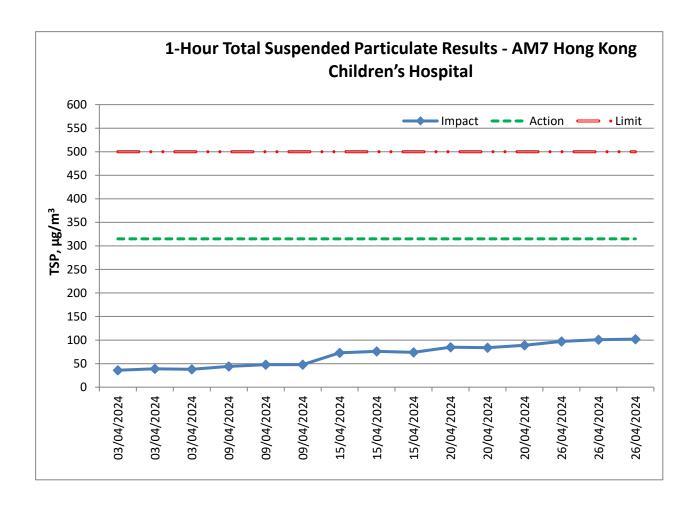
	Date	Measurement Period			1-hr TSP concentration, μg/m ³	Weather	
		13:00	-	14:00	36		
	03/04/2024	14:00	1	15:00	39	Cloudy	
5		15:00	1	16:00	38		
		13:00	1	14:00	44		
	09/04/2024	14:00	1	15:00	48	Cloudy	
		15:00	ı	16:00	48		
		9:00	-	10:00	73		
	15/04/2024	10:00	1	11:00	76	Sunny	
		11:00	ı	12:00	74		
		13:00	1	14:00	85		
	20/04/2024	14:00	1	15:00	84	Cloudy	
		15:00	ı	16:00	89		
		9:00	ı	10:00	97		
	26/04/2024	10:00	ı	11:00	101	Cloudy	
		11:00	-	12:00	102		
	Maximum				102		
	Minimum				36		
		Average			69		
		ction Leve			315		
	L	imit Leve	l		500		

1-hour average TSP





NOTE: Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since1 Sept 2022. 1-hr TSP monitoring at AM4(A) were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for AM4(A) is confirmed.



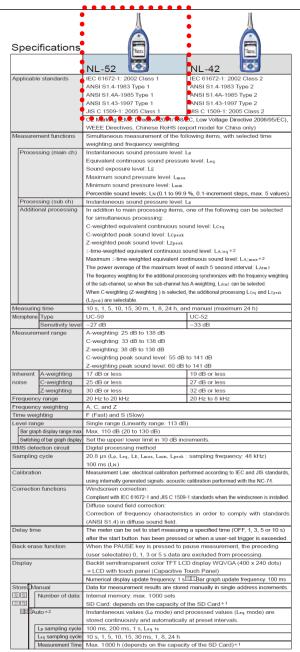
Appendix J – Event and Action Plan for air quality

F	Action									
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 submitted by ET; Check Contractor's working method. 	1. Notify Contractor.	 Rectify any unacceptable practice; Amend working methods if appropriate. 						
Action Level being exceeded by two or more consecutive	Identify source and investigate the causes of exceedance;	 Check monitoring data submitted by ET; Check Contractor's 	Confirm receipt of 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; 3. Discuss with ET and	2. Notify Contractor;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;	4. Advise the Supervisor /ER on the effectiveness of the proposed remedial	measures to be implemented; 4. Supervise implementation	of notification; 3. Implement the agreed proposals;						
	5. Assess the effectiveness of Contractor's remedial actions;	measures.	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 exceeded by one	1. Identify source and investigate the causes of	\mathcal{E}	1. Confirm receipt of notification of exceedance	1. Take immediate action to avoid further exceedance;						
sampling	exceedance; 2. Inform Contractor, IEC,	2. Check Contractor's working method;	in writing; 2. Notify Contractor;	2. Discuss with ET and IEC on proper remedial						
	Supervisor /ER, and EPD; 3. Repeat measurement to confirm finding;	3. Discuss possible remedial measures with ET and Contractor;	3. In consolidation with the IEC, agree with the Contractor on the remedial	actions; 3. Submit proposal for remedial actions to						
	C,	4. Advise the Supervisor /ER	measures to be	Supervisor /ER and IEC						

F. 4	Action							
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; Supervise implementation of remedial measures; 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 informed of the results; If exceedance stop, cease additional monitoring. 	submitted by ET; 2. Check Contractor's working method; 3. Discuss with Supervisor /ER, ET, and Contractor on the potential remedial actions; 4. Review Contractor's remedial actions whenever necessary to assure their	 Confirm receipt of notification of exceedance in writing; Notify Contractor; In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; Supervise implementation of remedial measures; If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated. 	 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. 				

 $\label{eq:continuous_problem} \begin{tabular}{ll} Appendix $K-$ Calibration certificates, catalogue of noise monitoring equipment \end{tabular}$

Catalogue of Sound Level Meter



Data r	recall	Allows viewing of stored data				
	memory	Up to five setup configurations can be saved in internal memory, for later recall				
	,	Start up via file settings previously stored on SD card possible				
Wavefe	orm recording *3	Start up the me column provinces y stored on the start possible				
_	e format	Uncompressed waveform WAVE file				
	mpling frequency	Select 48 kHz, 24 kHz or 12 kHz				
_	ta length	Select 24 bit or 16 bit				
	DC output	Output DC signals using a frequency weighting characteristic selected by processing				
Outputs	Output voltage	2.5 V. 25 mV / dB at bar graph display full scale				
	AC output	, , , , , ,				
	AC output	Output AC signals using a frequency weighting characteristic selected by processing or by A, C, Z-weighting.				
	Output voltage	1 ∨ (rms values) at bar graph display full scale				
	Comparator					
	output*2	Turns on when the open-collector output exceeds the set value				
USB		(max. applied voltage 24 V, max. current 60 mA, allowable dissipation 300 mW)				
DSBL:		Allows USB to be connected to a computer and recognized as a removable allows USB to be controlled via communication commands.				
	32C communication	Allows for RS-232C communication via use of a dedicated cable				
_	continuous output*2					
Type of Instantaneous value		Lp Leg, Lmax, Lmin, Lpeak				
dat	1 10000000 14140					
_	tput interval	100 ms				
Print o		Printing of measurement results on dedicated printer DPU-414				
_	r requirements	Four IEC R6 (size AA) batteries (alkaline or rechargeable batteries) or external power supply				
Ba	ttery life (23 ℃)	Alkaline battery LR6 (AA): 26 h Ni-MH secondary battery: 25 h				
		At the maximum *Depends on the setting				
-	adapter	NC-98C (NC-34 for previous models cannot be used)				
Ext	temal power voltage	5 to 7 V (rated voltage: 6 V)				
Cu	rrent consumption	Approximately 90 mA (normal operation, rated voltage)				
Ambie	nt Temperature	−10 to +50 °C				
condit	ions Humidity	10 to 90 % RH (non-condensing)				
Dustpi	roof / water-resistant	IP code: IP54 (except for microphone)				
perfor	mance *4	See precautions regarding waterproofing				
Dimer	nsions, weight	Approx. 250 (H) x 76 (W) x 33 mm(D), approx. 400 g (with batteries)				
Suppl	ied accessories	Storage case x 1, Windscreen WS-10 x 1, Windscreen fall prevention rubber x 1,				
		Hand strap x 1, LR6 (AA) alkaline batteries x 4, SD card 512 MB×1 (NX-42EX				
		preinstalled model only)				

Product name	Product number
Extended function program (Inst.on 512 MB SD card)	NX-42EX
Waveform recording program*2 (Inst.on 2 GB SD card)	NX-42WR
Octave, 1/3 octave real-time analysis program*2 (Inst.on 512 MB SD card)	NX-42RT
FFT analysis program *2 (Inst.on 512 MB SD card)	NX-42FT
Data management software for environmental measurement	AS-60
Data management software for environmental measurement (Includes the octave and 1/3 octave data management software)	AS-60RT
Data management software for environmental measurement (Includes the vibration level data management software)	AS-60∨M
Waveform analysis software	CAT-WAVE
SD Card 512 MB	SD-512M
SD Card 2 GB	SD-2G
AC adapter (100 ∨ to 240 ∨)	NC-98C
Battery pack	BP-21
Microphone extension cables	EC-04 (from 2 m)
BNC-Pin output code	CC-24
Comparator output cable	CC-42C
Printer	DPU-414
Printer cable	CC-42P
RS 232C serial I/O cable	CC-42R
USB cable	_
Sound calibrator	NC-74
All-weather windscreen	WS-15
Windscreen mounting adapter	WS-15006
Rain-protection windscreen	WS-16
Sound level meter tripod	ST-80
All-weather windscreen tripod	ST-81

*4 Protection against harmful dust and water splashing from any direction.

Before use, verify that the rubber bottom cover and the battery compartment lid are firmly closed. To maintain the water and dust proof rating, internal packing replacement is required every two years (at



RION CO., LTD.

3-20-41, Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan Tel: +81-42-359-7888 Fax: +81-42-359-7442

This product is environment-friendly. It does not include toxic chemicals on our policy.

This product is certified to an International Protection rating of IP54 (dust protected and resistant to splashing water).
This leaffet is printed with environmentally friendly vegetable-based ink on recycled paper.

1011-4 E 212.P.D

Calibration Certificate of Sound Level Meter



中国赛宝实验室计量检测中心 (工业和信息化部电子第五研究所计量检测中心) CEPREI CHINA CEPREI LABORATORY CALIBRATION & TESTING CENTRE

CALIBRATION CERTIFICATE

证书编号: 2HB23001488-0004 Certificate No.



委托单位: _ Client	Ca	astco Testing Centre Limi	ted				
仪器名称: Description	Sound Level Meter						
型号规格:		NL-52					
Model/Type	7 /						
制造商:		RION					
Manufacturer							
机身号:	01287681						
Serial No.							
管理号:		AAST-SLM-12					
Asset No.			ALC: NO TO TO				
接收日期:	2023-07-28	校准日期:	2023-08-07				
Rec. Date		Cal. Date					
签发日期:	2023-08-08	建议校准周期:	12个月(12 months)				
App. Date	Reference Cal. Period						
结论:	所校准项目符合技术要:	求(The calibrated items meet th	ne technical requirements)				
Conclusion							

Calibrated by

Approved by

签发:





印章: Stamp

赛宝计量检测中心 总部地址:广州市增城区朱村街朱村大道西78号 实验室地址:广州市增城区朱村街朱村大道西78号 客服电话: 020-87237633 传真: 020-87236189

投诉电话: 020-87236896 邮件: cal@ceprei.com 同址: www.ceprei-cal.com CEPREI Calibration and Testing Centre

HQ Addr: No.78, Zhucun Avenue West, Zengcheng District, Guangzhou, China Add. of the Lab: No.78, Zhucun Avenue West, Zengcheng District, Guangzhou, China Service Tel: 020-87237633 Fax: 020-87236189 Complaint Tel: 020-87236896

Email: cal@ceprei.com Website: www.ceprei-cal.com

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DIRECTIONS

1. 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. 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.

3. 本次校准的技术依据及CNAS认可范围(Reference documents and CNAS accredited scopes):

- * JJG 188-2017 声级计检定规程: Sound pressure level: (20~130)dB: Frequency Weighting: (20~130)dB, (10
- · IFEIR分离 · IFEIR分离网络中注层编号为L13344的证书附件。超出范围的内容未被认可,其结果结论所依据的合格评定活动不在认可 范围角。(Please see the attachment of certificate No. L13344 at CNAS website for details, beyond which is not accredited, the conformity assessment activities on which the result/econclusions are based are outside the scope of accreditation.)

4. 本次校准所使用的主要测量标准(The main measurement standards used during the calibration): 证书号/有效期/溯源单位 技术指标

(Description)	(Certificate No./Due Date/Traceability to)	(Specification)	(Measuring Range)
实验室标准传声器(2246 093)	GFJGJL1001230304187/2024-04-13/航空 304所	U=(0.05~0.20)dB (k=2)	10Hz~20kHz
正弦信号发生器(243165	4GC22000542-0057/2023-10-26/賽宝(广州)	f: ±1mHz; 失真度 Distortion: <-70dB	f: 0.001Hz~200kHz; <i>U</i> : 100μV~5Vrms
		±0.1dB	10Hz~50kHz
数字多用表(MY5300648 3)		DCV: ±0.0035%; ACV: ± 0.06%; DCI: ±0.05%; ACI : ±0.1%; R: ±0.01%; f: ±0.001%	:(0.001~750)V@(3Hz~

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

6. 环境条件(Environmental conditions): 温度(Temperature): 25.3℃ 相对湿度(Relative Humidity): 65%

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%.

8. 证书中"P"、"合格"代表"测量结果在允许范围内","F"、"不合格"代表"测量结果不在允许范围内","N/A"代表"不适用或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的要求合理使用,如考虑测量结果测量不确定度的影响等。

"P" and "Pass" in this certificate stand for "Low Limit's the measured value "High Limit", "F" and "Fail" stand for "the measured value \(- Low Limit or the measured value \(- High Limit", "NA" stands for "Not Applicable or The technical specification has not been confirmed det." The conclusions of this certificate are for reference only. Users should use them reasonably according to the actual measurement requirements, such as considering the impact of measurement uncertainty, etc.

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Calibration Certificate of Sound Level Meter

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。 The reference calibration period is based on the reference documents and normal operating conditions of the calibrated instrument. It is only for reference. The client may decide the calibration period of the instrument according to the

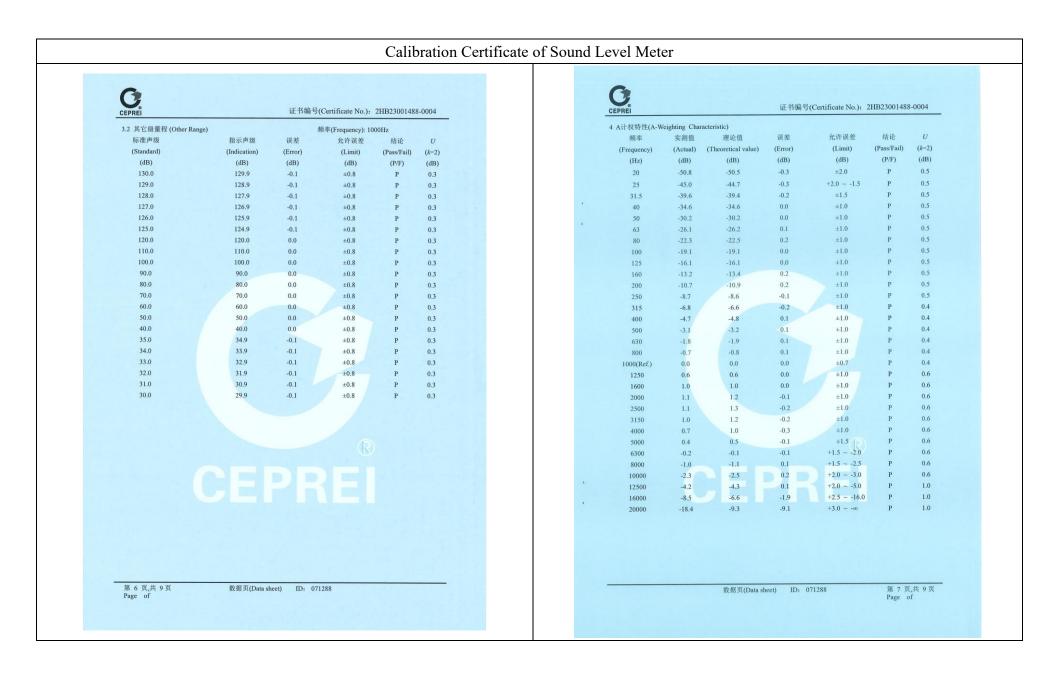


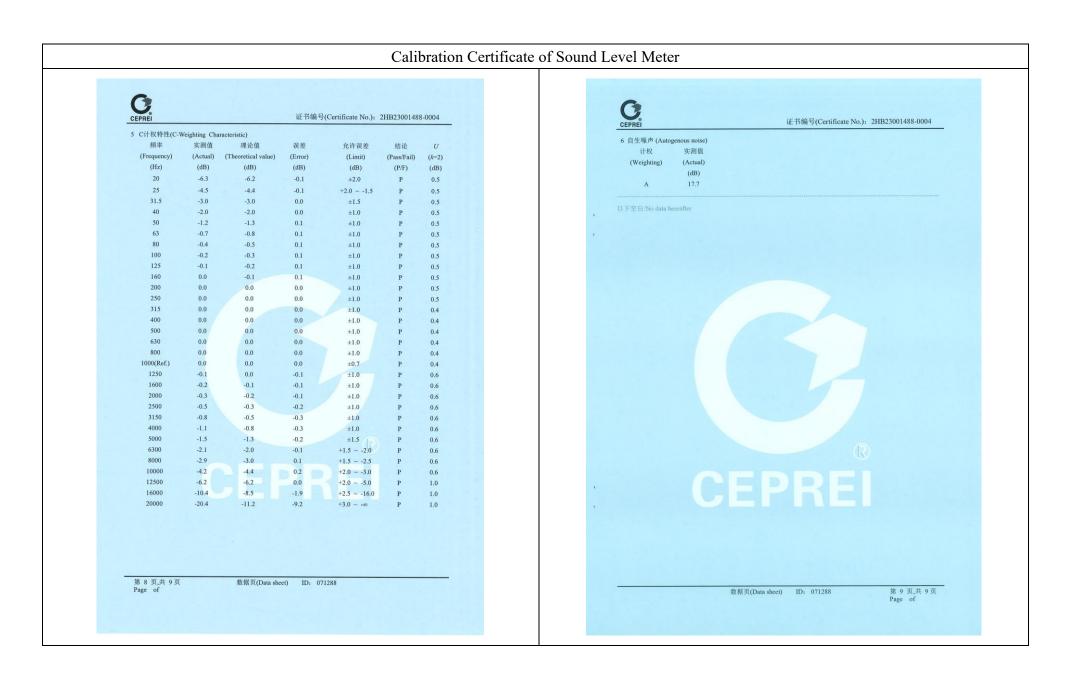
- 注: 1.本证书未经本机构书面授权,不得部分复制。(The certificate shall not be partly reproduced without written approval of the laboratory.)
- 2.本次校准结果仅与被校物有关。(The results are only related to the items calibrated.)
- 3."委托方"、"委托方联络信息"由委托方提供,"制造厂"、"型号规格"、"出厂骗号"以及"设备编号"为仪器 上标注。委托方对上面内容如有异议。须在收到证书后二十个工作目均提出 The information Client and Contact Information are provided by client, and the Manufacurer, Model/Type, Serial
- The information Client and Contact Information are provided by client, and the Manufacurer, Model/Type, Serial No. and Equipment No. are marked on the items. Client shall submit any objection within 20 working days after receiving the certificate for the information above.

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actual use.







Calibration Certificate of Sound Level Meter



正 北海县(Cartificate No.), 2DD22001489 000

说 明 DIRECTIONS

- 1. 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.
- 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.
- 3. 本次校准的技术依据及CNAS认可范围(Reference documents and CNAS accredited scopes):

 ** JIG 188-2017 声级计检定规程: Sound pressure level: (20~130)dB; Frequency Weighting: (20~130)dB, (10 Hz~20kHz)
- 112. 2001(2) · 详细内容请查看CNAS网站中注册编号为L13344的证书附件,超出范围的内容未被认可,其结果/估论所依据的合格评定活动不在认可 范围传。(Please see the attachment of certificate No. L13344 at CNAS website for details, beyond which is not accredited, the conformity assessment activities on which the results/conclusions are based are outside the scope of accreditation.)
- 4. 本次校准所使用的主要测量标准(The main measurement standards used during the calibration): 近世界海外期源源单位 埃里特特 测量费

名 称	业中写/有双期/溯源平位	1又小1日小	(河里)江田
(Description)	(Certificate No./Due Date/Traceability to)	(Specification)	(Measuring Range)
实验室标准传声器(2246 093)	GFJGJL1001230304187/2024-04-13/航空 304所	U=(0.05~0.20)dB (k=2)	10Hz~20kHz
6)	4GC22000542-0057/2023-10-26/賽宝(广州)	Distortion: <-70dB	f: 0.001Hz~200kHz; <i>U</i> : 100μV~5Vrms
	4GC22000429-0039/2023-08-29/赛宝(广州)		10Hz~50kHz
数字多用表(MY5300648 3)	4GC22000447-0003/2023-09-26/賽宝(广州)	0.06%; DCI: ±0.05%; ACI	
功率放大器(2536312)	4GC22000600-0093/2023-11-30/賽宝(广州)	: ≤0.2%	20Hz~50kHz
PULSE分析系统(3160-1 06540)	4GC23000001-0137/2024-01-03/賽宝(广州)		頻率:0.001Hz~51.2kHz, 电压:(1×10 ⁻⁵ ~30)V
市校准器(2272351)	4GC22000600-0073/2023-11-29/寒宝(广州)	1级 First Level	31.5Hz~16kHz

- 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
- 6. 环境条件(Environmental conditions):
- 温度(Temperature): 25.3℃ 相对湿度(Relative Humidity): 65%
- 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。

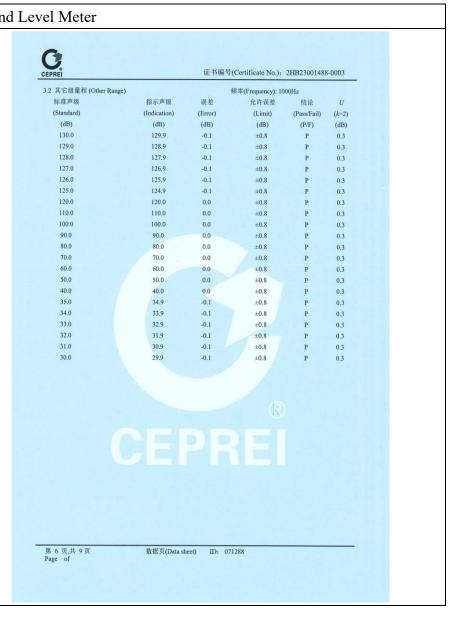
The extended uncertainty given in this certificate is evaluated according to JJF1059.1-2012 "Evaluation and Expression of Uncertainty in Measurement", and is calculated by multiplying the combined standard uncertainty by the coverage factor k which corresponding to the coverage probability about 95%.

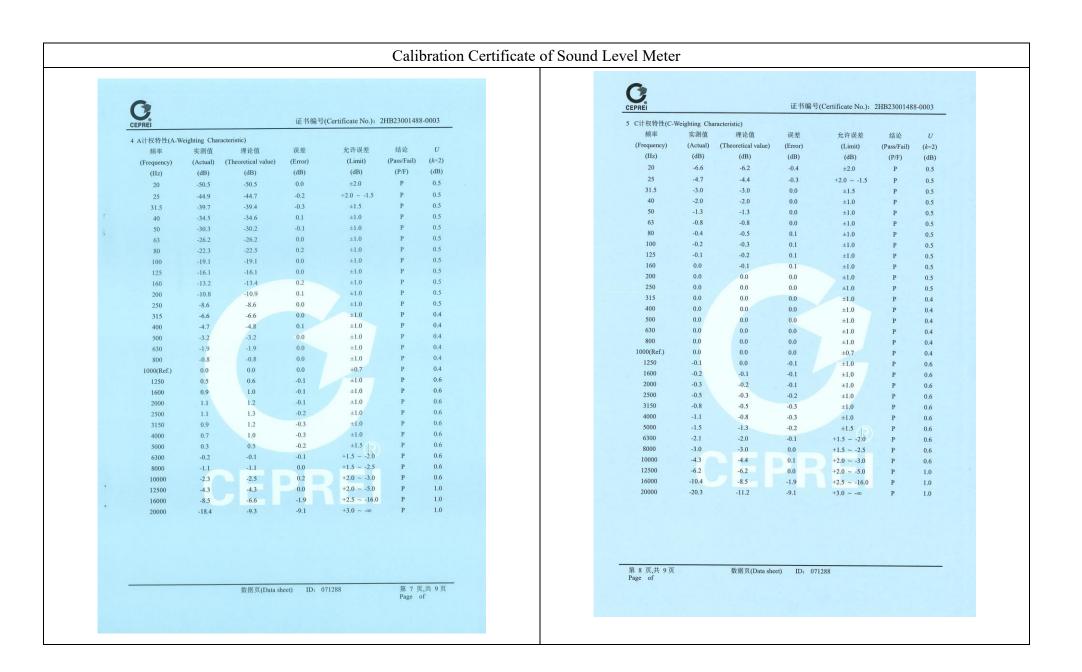
8. 证书中"PP、"合格"代表"测量结果充允许范围内", "FP、"不合格"代表"测量结果不在允许范围内", "N/A"代表"不适识放木指标暂时无法确认等"。本证书报告的结论仅供参考,使用人员应结合实际测量的要求合理使用,如考虑测量结果测量不确定度的影响等。

"P" and "Pass" in this certificate stand for "Low Limit ≤the measured value ≤High Limit", "F" and "Fail" stand for "the measured value ≤Low Limit or the measured value ≤Low Limit or the measured value ≤New Limit", "N/A" stands for "Not Applicable or The technical specification has not been confirmed etc." The conclusions of this certificate are for reference only. Users should use them reasonably according to the actual measurement requirements, such as considering the impact of measurement uncertainty, etc.

第 3 页,共 9 页 Page of

Calibration Certificate of Sound Level Meter 证书编号(Certificate No.): 2HB23001488-0003 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。 There are no factor and defect that affect the measurement result accuracy of the certificate. 頻率(Frequency)=1000Hz 2 指示声级调整 (Indication SPL Calibration) 放大器型号 放大器编号 传声器型号 传声器编号 (Preamplifier Type) (Preamplifier SN.) (Microphone Type) (Microphone SN.) 校准后示值 U声校准器型号 标准声压级 校准前示值 (Reference SPL) (Before Calibration) (After Calibration) (k=2) (Calibrator Type) (dB) (dB) (dB) (dB) 93.8 0.2 94.0 93.8 3 级线性 (Level Linearity) 頻率(Frequency): 8000Hz 3.1 参考级量程 (Reference Range) 指示声级 允许误差 U误差 标准声级 (Standard) (Indication) (Error) (Limit) (Pass/Fail) (k=2)(dB) (dB) (dB) (P/F) (dB) (dB) 130.0 129.8 -0.2 ±0.8 0.3 128.8 -0.2 ±0.8 0.3 129.0 -0.2 ±0.8 0.3 127.8 128.0 0.3 -0.2 ±0.8 127.0 126.8 0.3 ± 0.8 126.0 125.9 -0.1 125.0 124.9 -0.1 0.3 119.9 -0.1 ±0.8 120.0 0.3 ±0.8 110.0 0.0 110.0 ±0.8 0.3 0.0 100.0 100.0 ±0.8 0.3 90.0 90.0 0.0 80.0 79.9 -0.1 ±0.8 0.3 69.9 -0.1 ±0.8 0.3 70.0 ±0.8 0.3 60.0 0.0 60.0 0.3 -0.1 ±0.8 49.9 50.0 ±0.8 0.3 40.0 39.9 -0.1 0.3 35.0 34.8 -0.2 ±0.8 0.3 33.8 -0.2 ±0.8 34.0 0.3 32.9 -0.1 33.0 0.3 31.8 -0.2 ±0.8 32.0 ±0.8 0.3 31.0 30.8 -0.2 29.8 -0.2 ±0.8 0.3 30.0 第 5 页,共 9 页 数据页(Data sheet) ID: 071288 Page of





Catalogue of Sound Calibrator

For microphone calibration NC-74

How to use

Carefully insert the microphone all the way into the coupler of the NC-74. Then simply turn the power on to apply a constant sound pressure level to the diaphragm of the microphone.



The performance of the NC-74 is suitable for calibration of high-precision sound level meters. The unit is compact, lightweight, and easy to use. Two IEC LR6 (size AA) alkaline batteries will power the unit for more than 30 hours of continuous use at room temperature.

pressure. Based on the information provided by the sensor, the CPU controls the signal amplitude. This allows the unit to always provide the correct output for achieving constant sound pressure level, regardless of fluctuations



Using the 1/2-inch adap

level meter microphones with 1 inch diameter, the 1/2-inch microphone adapter can be removed, 1/2-inch microphones are calibrated with the adapter



Applicable standards	IEC 60942:2003 Class 1 JIS C1515:2004 Class 1			
Suitable microphones	1-inch microphones	IEC 61094-1 Type LS1P UC-27 UC-25 UC-34		
	1/2-inch microphones	IEC 61094-1 Type LS2aP UC-59 UC-57 UC-53A UC-52 UC-26 UC-30 UC-31 UC-31 UC-33P		
Nominal sound pressure level	94 dB			
Sound pressure level tolerance	±0.3 dB			
Nominal frequency	1 kHz			
Frequency tolerance	±1.0 % or less			
Power requirements	IEC LR6 (size AA) alkaline battery X 2			
Dimensions, mass	Approx. 49 (H) × 80 (W) × 74 (D) mm Approx. 200 g (including batteries)			
Supplied accessories	Case X 1 IEC LR6 (size AA) alkaline battery X 2 1/2-inch microphone adapter NC-74-002 X 1			



* Specification subject to change without notice.



3-20-41, Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan Tel: +81-42-359-7888 Fax: +81-42-359-7442 http://www.rion.co.jp/english/

Distributed by:			

Calibration Certificate of Sound Calibrator



委托单位:

中国赛宝实验室计量检测中心(工业和信息化部电子第五研究所计量检测中心)

Castco Testing Centre Limited

CALIBRATION CERTIFICATE

证书编号: 2HB23001488-0001 Certificate No.





Sound Level Calibrator 仪器名称: Description NC-74 型号规格: Model/Type RION 制造商: Manufacturer 34178129 机身号: Serial No. AAST-SLC-05 管理号: Asset No. 2023-07-28 2023-08-08 接收日期: 校准日期: Cal. Date Rec. Date 2023-08-10 12个月(12 months) 建议校准周期: 签发日期: Reference Cal. Period App. Date 结论: 所校准项目符合技术要求(The calibrated items meet the technical requirements) Conclusion

Inspected by 印章:

Stamp

赛宝计量检测中心 总部地址:广州市增城区朱村街朱村大道西78号 实验室地址:广州市增城区朱村街朱村大道西78号 客服电话: 020-87237633 传真: 020-87236189

投诉电话: 020-87236896 邮件: cal@ceprei.com 阿址: www.ceprei-cal.com CEPREI Calibration and Testing Centre

HQ Addr: No.78, Zhucun Avenue West, Zengcheng District, Guangzhou, China Add. of the Lab: No.78, Zhucun Avenue West, Zengcheng District, Guangzhou, China Service Tel: 020-87237633 Fax: 020-87236189 Complaint Tel: 020-87236896

Email: cal@ceprei.com Website: www.ceprei-cal.com

第1页共5页 Page of

Calibration Certificate of Sound Calibrator

L 出 住 导 (Cartifliante No.)。 2HR23001488-0001

说 明 DIRECTIONS

I. 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. 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.

- 3. 本次校准的技术依据及CNAS认可范围(Reference documents and CNAS accredited scopes):
 JJG 176-2022 声校准器检定规程: Sound Pressure Level: 94dB、104dB、114dB、124dB(63Hz~8kHz): 94dB、104dB、114dB、31.5Hz~16kHz): Frequency: 31.5Hz~16kHz; Harmonic Distortion: 0.1%~10%. (20Hz~20Hz):
- ZORITZY 转继角序等演查看CNAS网站中往屏檐号为L13344的证书册件,超出范围的内容未被认可,其结果/结论所依据的含格评定活动不在认可 范围内。(Please see the attachment of certificate No. L1344 at (CNAS website for details, beyond which is not accredited, the conformity assessment activities on which the results'conclusions are based are outside the scope of accreditediation.)
- 4. 本次校准所使用的主要测量标准(The main measurement standards used during the calibration):

(Description)	(Certificate No./Due Date/Traceability to)	(Specification)	(Measuring Range)	
093)	304所	U=(0.05~0.20)dB (k=2)	10Hz~20kHz	
前置放大器(3194482) 数字多用表(MY5300648 3)		DCV: ±0.0035%; ACV: ± 0.06%; DCI: ±0.05%; ACI : ±0.1%; R: ±0.01%; f: ±0.001%	:(0.001~750)V@(3Hz~	

PULSE分析系统(3050-1 4GC23000001-0135/2024-01-03/賽宝(广州) 频率: $U_{rel}=0.001\%$, $L_{rel}=0.001\%$, $L_{rel}=0.001\%$, 电压: $(1\times10^5\sim30)$ V

- 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
- 6. 环境条件(Environmental conditions):
- 温度(Temperature): 22.6℃ 相对湿度(Relative Humidity): 58%
- 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 JIF1059.1-2012 "Evaluation and Expression of Uncertainty in Measurement", and is calculated by multiplying the combined standard uncertainty by the coverage factor extrainty in the continuous to the coverage probability about 95%.

- 8. 证书中"P"、"合格"代表"测量结果在允许范围内", "F"、"不合格"代表"测量结果不在允许范围内", "N/A"代表"不适用或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的要求合理使用,如考虑测量结果测量不确定度的影响等。
- "P" and "Pass" in this certificate stand for "Low Limit≤the measured value ≤High Limit", "F" and "Fail" stand for "the measured value <Low Limit or the measured value \Low Limit or the measured value \Low High Limit", "NA stands for "Not Applicable or The technical specification has not been confirmed ete." The conclusions of this certificate are for reference only. Users should use them reasonably according to the actual measurement requirements, such as considering the impact of measurement uncertainty, etc.
- 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。

第 3 页,共 5 页 Page of



Calibration Certificate of Sound Calibrator



Complaint Tel: 020-87236896

Website: www.ceprei-cal.com

Email: cal@ceprei.com

投诉电话: 020-87236896

网址: www.ceprei-cal.com

邮件: cal@ceprei.com

DIRECTIONS

- 1. 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. 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.

- 3. 本次校准的技术依据及CNAS认可范围(Reference documents and CNAS accredited scopes):
- JJG 176-2022 声校准器检定规程: Sound Pressure Level: 94dB、104dB、114dB、124dB(63Hz~8kHz): 94dB . 104dB. 114dB,(31.5Hz~16kHz); Frequency: 31.5Hz~16kHz; Harmonic Distortion: 0.1%~10%. (20Hz~ 20kHz)
- 详细内容请查看CNAS网站中注册编号为L13344的证书别件。超出范围的内容未被认可,其结果/结论所依据的合格评定活动不在认可范围角、(Please see the attachment of certificate No. L13344 at (CNAS website for details, beyond which is not accredited, the conformity assessment activities on which the results/conclusions are based are outside the scope of accreditation.)
- 4. 本次校准所使用的主要测量标准(The main measurement standards used during the calibration): 证书号/有效期/溯源单位 技术指标 测量范围 (Certificate No./Due Date/Traceability to) (Specification) (Measuring Range) 前置放大器(2239843) GFJGJL1001230304185/2024-03-22/航空 頻率响应: ±0.1dB

(100pA~1A) @ (10 Hz~100kHz); R: 10µ

电压:(1×10⁻⁵~30)V 10Hz~25kHz

PULSE分析系统(3160-1 4GC23000528-0009/2024-08-16/賽宝(广州) 频率:Urg=0.001%,k=2;电压: 频率:0.001Hz~51.2kHz, 093)

- 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
- 6. 环境条件(Environmental conditions):
- 温度(Temperature): 21.2°C 相对湿度(Relative Humidity): 60%
- 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%.

8. 证书中"P"、"合格"代表"测量结果在允许范围内", "F"、"不合格"代表"测量结果不在允许范围 内","N/A"代表"不适用或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 结合实际测量的要求合理使用, 如考虑测量结果测量不确定度的影响等。

"P" and "Pass" in this certificate stand for "Low Limit≤the measured value ≤High Limit", "F" and "Fail" stand for "the measured value < Low Limit or the measured value > High Limit", "N/A" stands for "Not Applicable or The technical specification has not been confirmed etc". The conclusions of this certificate are for reference only. Users should use them reasonably according to the actual measurement requirements, such as considering the impact of measurement

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。

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第1页,共5页

Page of

Calibration Certificate of Sound Calibrator CEPRE 证书编号(Certificate No.): 2HB23001715-0001 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。 There are no factor and defect that affect the measurement result accuracy of the certificate. 2 声压级 (Sound Pressure Level) 规定声压级 测量声压级 声压级差的绝对值 结论 (Prescribed SPL) (Measured SPL) (Absolute value of SPL) (dB) (dB) (dB) 94 93.86 0.14 ≤0.25 0.10 3 頻率 (Frequency) 规定频率 测量频率 频率误差的绝对值 结论 (Prescribed Fre.) (Measured Fre.) (Absolute value of Fre.) (Pass/Fail) (k=2) (Hz) (Hz) (%) (%) (%) 1000 1003.7 0.37 ≤0.70 0.10 4 总失真+噪声 (Distortion and noise) 规定声压级 规定频率 总失真+噪声 接受限 结论 Urel (Prescribed SPL) (Measured Fre.) (Distortion and noise) (Limit) (Pass/Fail) (k=2) (dB) (Hz) (%) (%) (%) 94 1000 0.69 < 2.50 5.0 数据页(Data sheet) ID: 013393 第 5 页.共 5 页 Page of

Catalogue of Air Flow Meter (TSI TA440)

SPECIFICATIONS

Velocity

Resolution

Range (TA410) Range (TA430, TA440) Accuracy (TA410)162

0 to 20 m/s (0 to 4,000 ft/min) 0 to 30 m/s (0 to 6,000 ft/min) ±5% of reading or ±0.025 m/s (±5 ft/min), whichever is greater

Accuracy (TA430, TA440)¹⁶² ±3% of reading or ±0.015 m/s (±3 ft/min), whichever is greater 0.01 m/s (1 ft/min)

Duct Size (TA430, TA440) Dimensions

1 to 635 cm in increments of 0.1 cm (1 to 250 inches in increments of 0.1 in.)

Volumetric Flow Rate (TA430, TA440)

Range Actual range is a function of velocity, and duct size

Temperature

Range (TA410, TA430) -18 to 93°C (0 to 200°F) Range (TA440) -10 to 60°C (14 to 140°F) Accuracy³ ±0.3°C (±0.5°F) Resolution 0.1°C (0.1°F)

Relative Humidity (TA440 only)

Range Accuracy⁴ ±3% RH Resolution 0.1% RH

Wet Bulb Temperature (TA440 only) Range

5 to 60°C (40 to 140°F) Resolution 0.1°C (0.1°F)

Dew Point (TA440 only)

-15 to 49°C (5 to 120°F) Range Resolution 0.1°C (0.1°F)

Instrument Temperature Range 5 to 45°C (40 to 113°F)

Operating (Electronics) Model TA410, TA430 -18 to 93°C (0 to 200°F) Model TA440 -10 to 60°C (14 to 140°F) Operating (Probe) -20 to 60°C (-4 to 140°F) Storage

Data Storage Capabilities (TA430, TA440)

12,700+ samples and 100 test IDs

Logging Interval (TA430, TA440)

1 second to 1 hour



Airflow Instruments, TSI Instruments Ltd.
Visit our website at www.airflowinstruments.co.uk for more information.

P/N 2980548 Rev D (A4) ©2014 TSI Incorporated

Time Constant (TA430, TA440)

User selectable

External Meter Dimensions

8.4 cm x 17.8 cm x 4.4 cm (3.3 in. x 7.0 in. x 1.8 in.)

Meter Weight with Batteries

0.27 kg (0.6 lbs.)

Meter Probe Dimensions

Probe Length 101.6 cm (40 in.) Probe Diameter of Tip 7.0 mm (0.28 in.) Probe Diameter of Base 13.0 mm (0.51 in.)

Articulating Probe Dimensions

Articulating Section Length 19.7 cm (7.8 in.) Diameter of Articulating Knuckle 9.5 mm (0.38 in.)

Power Requirements

Four AA-size batteries or AC adapter

	TA410	TA430, TA430-A	TA440, TA440-A
Velocity range 0 to 20.00 m/s (0 to 4000 ft/min)	+		
Velocity range 0 to 30.00 m/s (0 to 6000 ft/min)		+	+
Temperature	+	+	+
Flow		+	+
Humidity, wet bulb, dew point			1+1
Probe	Straight	Straight or -A articulated	Straight or -A articulated
Variable time constant		+	+
Manual data logging		+	+
Auto save data logging			+
Statistics		+	+
Review data		+	+
LogDat2 downloading software		+	+
Free Certificate of Calibration	+	+	+

The accuracy statement begins at 30 ft/min through 4000 ft/min (0.15 m/s through 20 m/s) for the Model TA410, and 30 ft/min through 6,000 ft/min (0.15 m/s through 30 m/s) for Models TA430 and TA440.

Accuracy with instrument case at 25°C (77°F), add uncertainty of 0.03°C/°C (0.05°F/°F) for change in instrument temperature.

*Accuracy with probe at 25°C (77°F). Add uncertainty of 0.2% RH/°C (0.1% RH/°F) for change in probe temperature. Includes 1% hysteresis.

Calibration Certificate of Air Flow Meter



Cal Lab Limited 校正實驗室有限公司

Room 2103, Technology Plaza, 29-35 Sha Tsui Road, Tsuen Wan, NT, Hong Kong

Tel: +852 25680106 Email: info@callab.com.hk Fax: +852 30116194 Website: www.callab.com.hk



Calibration Certificate No.: CC0242312 Information provided by customer

Customer: Castco Testing Centre Limited Address: 33, On Kui Street, Fanling, N.T.

Equipment identification provided by customer

Equipment Description Manufacturer Model No. Serial No. Assigned equipment No.

Air Velocity Monitor TSI AIRFLOW TA440 TA4401232005 AAST-FLOW-02

Certificate Information

Date of Receipt: 15 December 2023 Calibration Condition: 21.3°C, 56%RH, 1014hPa
Date of Calibration: 18 December 2023 Adjustment: N/A
Due Date of Calibration: N/A Appearance: Good

Due Date of Calibration: N/A Appearance:
Calibration Procedure: SOP-112 Remark:

 Reference Equipment Identification
 Model
 Serial No.
 Expiration Date

 Hot Wire Anemometer
 9535
 T95351316004
 11 August 2024

Result of Calibration

Air Velocity

Reference Reading (m/s)	Measured Reading (m/s)	Error (m/s)	Uncertainty (%)	Technical Requirement	Technical Reference Doc
0.99	0.99	0.00	3.6	±5%	Mfr's Spec.
2.02	2.03	0.01	3.6	±5%	Mfr's Spec.
5.01	4.98	-0.03	3.6	±5%	Mfr's Spec.
7.96	8.07	0.11	3.6	±5%	Mfr's Spec.

Note: The estimated expanded uncertainties have been calculated in "Evaluation and expression of uncertainty in measurement" and give an internal estimated to have a level of confidence of SYSA. A coverage factor of 3 is assumed unless explicitly stated.

Note: The standard is and instruments used in the statistican are traccalled to institution or international recognized standard and are estimated on a schedule to maintain the

excuracy and good condition.

Note3: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of the

instrument.

Notes: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as received.

Calibrated By: Checked and Approved By:

Company Chop:

UI ILL

Wing Cheng Warren Yeung

Certificate Issue Date: 19 December 2023

*** End of Certificate ***

1. The certificate shall not be reproduced except in full, without written approval of Cal Lab Limited

ited CC0242312 Page 1 of 1

2. The certificate is issued subject to the latest Terms and Conditions, available at our web site

Appendix L – Noise monitoring results and graphic	al presentation

M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

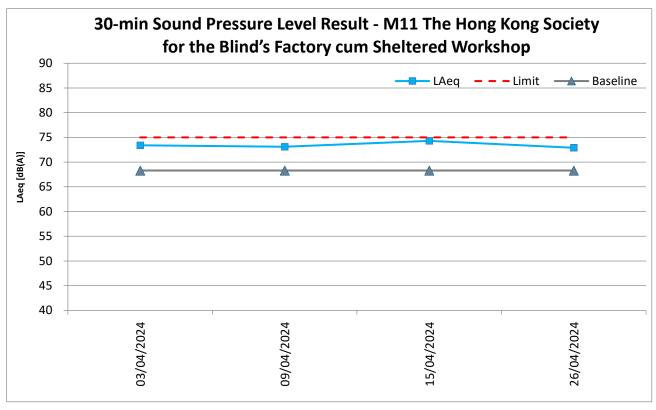
D (T (0C)		XX7 .1	Measured Noise Level at M11, dB(A)						T	
Date	Temp (°C)	Weather	Tir	Time Baseline		\mathcal{L}_{Aeq}	L_{A10}	L_{A90}	Limit	
03/04/2024	29.5	Cloudy	9:43	-	10:13	68.3	73.4	75.6	69.5	75
09/04/2024	23.9	Cloudy	10:25	-	10:55	68.3	73.1	74.2	70.7	75
15/04/2024	27.6	Sunny	13:18	-	13:48	68.3	74.3	78.5	67.3	75
26/04/2024	27.3	Cloudy	14:29	-	14:59	68.3	72.9	75.9	64.7	75
			N	Maximum			74.3			
			N	Minimum			72.9			
				A	verage		73.5			

NOTE: Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 30-min noise monitoring at M11 were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for M11 is confirmed.

M12 - Hong Kong Children's Hospital

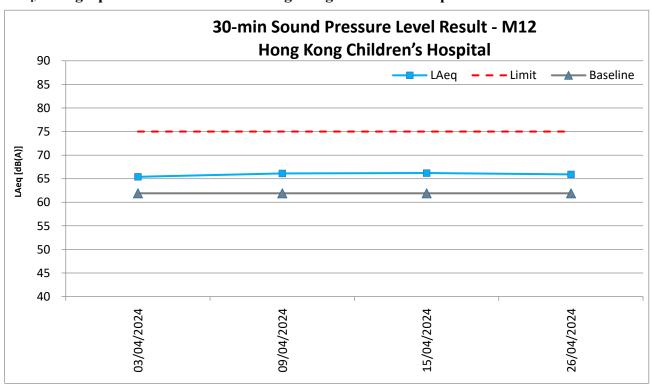
,			Measured Noise Level at M12, dB(A)							
Date	Temp (°C)	Weather	7	٦ أ	me	Baseline	L _{Aeq}	L _{A10}	L _{A90}	Limit
03/04/2024	29.5	Cloudy	13:49	-	14:19	61.9	65.4	69.1	60.5	75
09/04/2024	23.9	Cloudy	14:18	-	14:48	61.9	66.1	69.5	64.5	75
15/04/2024	27.6	Sunny	10:11	-	10:41	61.9	66.2	68.6	62.5	75
26/04/2024	27.3	Cloudy	9:36	-	10:06	61.9	65.9	67.4	59.8	75
				Maximum						
			Minimum			65.4				
					Average		65.9			

 $L_{Aeq, 30-min}$ graphical results of M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop



NOTE: Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 30-min noise monitoring at M11 were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for M11 is confirmed.

LAeq, 30-min graphical results of M12 - Hong Kong Children's Hospital



Appendix M – Event and Action Plan for noise

Every		Ac	tion	
Event	ET	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 identified.) 	1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures submitted by the Contractor and advise the ER accordingly; 3. Advise the Supervisor / ER on the proposed remedial measures. (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. (The above actions should be taken within 2 working days after the exceedance is identified.) 	 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	1. Inform IEC, Supervisor /ER, Contractor and EPD; 2. Repeat measurement to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contract's working procedure; 6. Discuss remedial measures required with the IEC, Contractor and Supervisor /ER; 7. Assess effectiveness of	1. Discuss the potential remedial actions with Supervisor /ER, ET and Contractor; 2. 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.)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; 5. 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 N – Event and Action Plan	for Landscape and Visual Impact

Event		Acı	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. 	 Check report. Check Contractor's working method. Discuss with ET and Contractor on possible remedial measures. Advise Supervisor /ER on effectiveness of proposed remedial measures. Check implementation of 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. 	Contractor on possible remedial measures.	Notify Contractor. Ensure remedial measures are properly implemented.	Amend working methods. Rectify damage and undertake any necessary replacement.			

Appendix O – Waste Flow Table



Appendix F - Monthly Summary Waste Flow Table

Name of Department: CEDD Contract No.: ED/2018/01

Monthly Summary Waste Flow Table for April 2024

				Monthly	ouiiiiiai y	Waste	IOW Table	OI APIII 2024			
	Ad	tual Quantitie	s of Inert C&D	Materials Gene	rated Month	ly		Actual Quantities of C&D Wastes Generated Monthly			
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Importe Fill	d Meta	Paper / s cardboard packaging	L (coo Noto S	Chemical Wa	Others, e.g. general refuse
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m³)	(in '000m ³	(in '000	kg) (in '000kg)	(in '000kg)	(in '000kg) (in '000m³)
Jan	2.311	0.111			2.311						0.184
Feb	2.232	0.177			2.232						0.173
Mar	2.893	0.032			2.893			0.051			0.259
Apr	3.482	0.016			3.482						0.238
May											
Jun											
Sub-total	10.918	0.336			10.918			0.051			0.854
July											
Aug											
Sep											
Oct											
Nov											
Dec											
Total	10.918	0.336			10.918			0.051			0.854
			Forecas	st of Total Quan	tities of C&D	Materials	to be Gener	ated from the Con	tract*		
Total Quantit	y Hard Rock and	d Large Reused	in the Reused	in other Dispos	ed as	orted Fill	Metals	Paper / cardboard	Plastics	Chemical Waste	Others, e.g.
Generated	Broken Con	crete Contr	ract Pro	jects Public	Fill	orted Fill	Metals	packaging	(see Note 3)	Orientical Waste	general refuse
(in '000m ³)	(in '000m	n ³) (in '00	0m ³) (in '0	00m ³) (in '00	0m ³) (in	'000m³)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
207.384	2.103	10.	2 1	40 27.4	15	25	200	0.8	0.1		3.891

Notes: (1)

- (1) The performance targets are given in ER Appendix 8I Clause 14 and the EM&A Manual
- (2) The waste flow table shall also include C&D materials to be imported for use at the Site
- Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material and water barrier
- (4) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000m³ (ER Part 8 Clause 8.7.5(d)(ii) refers)
- (5) Assume inert C&D materials density and non-inert C&D materials are 1.9 ton/m3 and 1.5 ton/m3

Appendix P – Environmental Mitigation Implementation Schedule(EMIS)

EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.2		8 times daily watering of the work site with active dust emitting	^
		activities.	
S3.2	S4.8	Implementation of dust suppression measures stipulated in Air	^
		Pollution Control (Construction Dust) Regulation. The following	
		mitigation measures, good site practices and a comprehensive dust	
		monitoring and audit programme are recommended to minimize	
		cumulative dust impacts.	
		- Stockpiling site(s) should be lined with impermeable sheeting	^
		and bunded. Stockpiles should be fully covered by	
		impermeable sheeting to reduce dust emission.	
		- Misting for the dusty material should be carried out before	^
		being loaded into the vehicle.	
		- Any vehicle with an open load carrying area should have	٨
		properly fitted side and tail boards.	
		- 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.	
		- 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.	
		- 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.	
		- Vehicle washing facilities should be provided at every vehicle	^
		exit point.	
		- The area where vehicle washing takes place and the section of	٨
		the road between the washing facilities and the exit point should	
		be paved with concrete, bituminous materials or hardcores.	
		- Every main haul road should be scaled with concrete and kept	٨
		clear of dusty materials or sprayed with water so as to	
		maintain the entire road surface wet.	
		- 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.	
		- Every vehicle should be washed to remove any dusty materials	٨
		from its body and wheels before leaving the construction sites.	

Implementatio	n Schedule for I	Noise Measures	
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.3		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.	
S3.3		Good Site Practice:	
S3.3		- Only well-maintained plant should be operated on-site and	٨
		plant should be serviced regularly during the construction	
		program.	
		- Silencers or mufflers on construction equipment should be	٨
		utilized and should be properly maintained during the	
		construction program.	
		- Mobile plant, if any, should be sited as far away from NSRs as	^
		possible.	
		- Machines and plant (such as trucks) that may be in intermittent	٨
		use should be shut down between works periods or should be	
		throttled down to a minimum.	
		- Plant known to emit noise strongly in one direction should,	٨
		wherever possible, be orientated so that the noise is directed	
		away from the nearby NSRs.	
		- Material stockpiles and other structures should be effectively	^
		utilized, wherever practicable, in screening noise from on-site	
		construction activities.	
		- Scheduling of Construction Works during School	N/A
		Examination Period	

Implementatio	Implementation Schedule for Water Quality Measures				
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status		
S3.4		Construction Runoff	^		
		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:			
S3.4		- use of sediment traps.	٨		
S3.4		- adequate maintenance of drainage systems to prevent flooding	٨		
		and overflow.			

EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
Kei.	S5.8	- Surface run-off from construction sites should be discharged	^
	55.0	into storm drains via adequately designed sand/silt removal	
		facilities such as sand traps, silt traps and sedimentation basins.	
	S5.8	- Channels or earth bunds or sand bag barriers should be provided	^
	33.0	on site to properly direct stormwater to such silt removal	
		facilities. Perimeter channels should be provided on site	
		boundaries where necessary to intercept storm run-off from	
		outside the site so that it will not wash across the site. Catchpits	
		and perimeter channels should be constructed in advance of site	
		formation works and earthworks.	
	S5.8	- Silt removal facilities, channels and manholes should be	^
		maintained and the deposited silt and grit should be removed	
		regularly, at the onset of and after each rainstorm to prevent	
		local flooding. Any practical options for the diversion and	
		re-alignment of drainage should comply with both engineering	
		and environmental requirements in order to provide adequate	
		hydraulic capacity of all drains. Minimum distance of 100 m	
		should be maintained between the discharge points of	
		construction site run-off and the existing saltwater intakes.	
	S5.8	- Earthworks final surfaces should be well compacted and the	^
		subsequent permanent work or surface protection should be	
		carried out immediately after the final surfaces are formed to	
		prevent erosion caused by rainstorms. Appropriate drainage like	
		intercepting channels should be provided where necessary.	
	S5.8	- Measures should be taken to minimize the ingress of rainwater	^
		into trenches. If excavation of trenches in wet seasons is	
		necessary, they should be dug and backfilled in short sections.	
		Rainwater pumped out from trenches or foundation excavations	
		should be discharged into storm drains via silt removal facilities.	
	S5.8	- Open stockpiles of construction materials (e.g. aggregates,	^
		sand and fill material) on sites should be covered with tarpaulin	
		or similar fabric during rainstorms.	
	S5.8	- Manholes (including newly constructed ones) should always be	^
		adequately covered and temporarily sealed so as to prevent silt,	
		construction materials or debris from getting into the drainage	
		system, and to prevent storm run-off from getting into foul	
		sewers. Discharge of surface run-off into foul sewers must	
		always be prevented in order not to unduly overload the foul	

EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
1101	OV D III III	sewerage system.	
	S5.8	- Good site practices should be adopted to remove rubbish and	٨
		litter from construction sites so as to prevent the rubbish and	
		litter from spreading from the site area. It is recommended to	
		clean the construction sites on a regular basis.	
S3.4		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.	
S3.4	S5.8	Ideally, 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.	
		If excavation in soil cannot be avoided in these months or at any	
		time of year when rainstorms are likely, for the purpose of	
		preventing soil erosion, temporary exposed slope surfaces should be	
		covered e.g. by tarpaulin, and temporary access roads should be	
		protected by crushed stone or gravel, as excavation proceeds.	
		Intercepting channels should be provided (e.g. along the crest / edge	
		of excavation) to prevent storm runoff from washing across exposed	
		soil surfaces. Arrangements should always be in place in such a way	
		that adequate surface protection measures can be safely carried out	
		well before the arrival of a rainstorm.	
S3.4		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	

	mplementation Schedule for Water Quality Measures			
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status	
		and particularly suited to applications where the influent is pumped.		
S3.4		Open stockpiles of construction materials (for examples, aggregates,	^	
		sand and fill material) of more than 50 m ³ 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.		
S3.4		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.		
S3.4		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 are summarised in		
		Appendix A2 of ProPECC PN 1/94. Particular attention should be		
		paid to the control of silty surface runoff during storm events.		
S3.4		Oil interceptors should be provided in the drainage system and	NA	
		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.		
S3.4	S5.8	Wheel Washing Water	^	
		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.		
S3.4		Drainage	^	
		It is recommended that 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.		
S3.4		All temporary and permanent drainage pipes and culverts provided	^	

Implementation	n Schedule for V	Water Quality Measures	
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
		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.	
S3.4		All fuel tanks and storage areas should be provided with locks and	٨
		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.	
S3.4	S5.8	Sewage Effluent	٨
		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.	
		Notices should be posted at conspicuous locations to remind the	
		workers not to discharge any sewage or wastewater into the	
		surrounding environment. Regular environmental audit of the	
		construction site will provide an effective control of any	
		malpractices and can encourage continual improvement of	
		environmental performance on site. It is anticipated that sewage	
		generation during the construction phase of the project would not	
		cause water pollution problem after undertaking all required	
		measures.	
S3.4		Stormwater Discharges	٨
		Minimum distances of 100 m should be maintained between the	
		existing or planned stormwater discharges and the existing or	
		planned seawater intakes	
S3.4		Debris and Litter	٨
		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 is optimised	

EIA for KTD	EIA for KTD	Environmental Protection Measures / Mitigation Measures	Status
Development Ref.	Roads D3AD4A Ref.		Status
		and that disposal of any solid materials, litter or wastes to marine	
		waters does not occur.	
	S5.8	Boring and Drilling Water	^
		Water used in ground boring and drilling for site investigation or	
		rock / soil anchoring should as far as practicable be re-circulated	
		after sedimentation. When there is a need for final disposal, the	
		wastewater should be discharged into storm drains via silt removal	
		facilities.	
	S5.8	Acid Cleaning, Etching and Pickling Wastewater	NA
		Acidic wastewater generated from acid cleaning, etching, pickling	
		and similar activities should be neutralized to within the pH range	
		of 6 to 10 before discharging into	
		foul sewers.	
	S5.8	Effluent Discharge	^
		There is a need to apply to EPD for a discharge licence for discharge	
		of effluent from the construction site under the WPCO. The	
		discharge quality must meet the requirements specified in the	
		discharge licence. All the runoff and wastewater generated from the	
		works areas should be treated so that it satisfies all the standards	
		listed in the TM-DSS. Minimum distance of 100 m should be	
		maintained between the discharge points of construction site effluent	
		and the existing seawater intakes and the planned WSR mentioned in	
		S5.3.1 as appropriate. The beneficial uses of the treated effluent for	
		other on-site activities such as dust suppression, wheel washing and	
		general cleaning etc., can minimise water consumption and reduce	
		the effluent discharge volume. If monitoring of the treated	
		effluent quality from the works areas is required during the	
		construction phase of the Project, the monitoring should be carried	
		out in accordance with the relevant WPCO licence which is under	
		the ambit of regional office (RO) of EPD.	
	S5.8	Accidental Spillage	٨
		Contractor must register as a chemical waste producer if chemical	
		wastes would be produced from the construction activities. The	
		Waste Disposal Ordinance (Cap 354) and its subsidiary regulations	
		in particular the Waste Disposal (Chemical Waste) (General)	
		Regulation, should be observed and complied with for control of	
		chemical wastes.	
		Any service shop and maintenance facilities should be located on	

Implementatio	on Schedule for '	Water Quality Measures	
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
		hard standings within a bunded area, and sumps and oil interceptors	
		should be provided. Maintenance of vehicles and equipment	
		involving activities with potential for leakage and spillage should	
		only be undertaken within the areas appropriately equipped to	
		control these discharges.	
	S5.8	Disposal of chemical wastes should be carried out in compliance	٨
		with the Waste Disposal Ordinance. The Code of Practice on the	
		Packaging, Labelling and Storage of Chemical Wastes published	
		under the Waste Disposal Ordinance details the requirements to deal	
		with chemical wastes. General requirements are given as follows:	
		- Suitable containers should be used to hold the chemical wastes	
		to avoid leakage or spillage during storage, handling and	
		transport.	
	S5.8	- Chemical waste containers should be suitably labelled, to notify	٨
		and warn the personnel who are handling the wastes, to avoid	
		accidents.	
	S5.8	- Storage area should be selected at a safe location on site and	٨
		adequate space should be allocated to the storage area.	_

Implementatio	Implementation Schedule for Waste Management Measures				
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status		
S3.5		Good Site Practices			
		It is not anticipated that adverse waste management related impacts			
		would arise, provided that good site practices are adhered to.			
		Recommendations for good site practices during construction			
		activities include:			
S3.5		- Nomination of an approved person, such as a site manager, to	٨		
		be responsible for good site practices, arrangements for			
		collection and effective disposal to an appropriate facility, of all			
		wastes generated at the site.			
	S6.7	- Prepare a Waste Management Plan, which becomes a part of the	٨		
		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.			
S3.5	S6.7	- Training of site personnel in proper waste management and	٨		
		chemical waste handling procedures.			

EIA for KTD Development	EIA for KTD - Roads D3A	Environmental Protection Measures / Mitigation Measures	Status
Ref. S3.5	& D4A Ref. S6.7	- Provision of sufficient waste disposal points and regular	^
33.3	30.7	collection for disposal.	
S3.5	S6.7	- Appropriate measures to minimise windblown litter and dust	^
55.5	50.7	during transportation of waste by either covering trucks or by	
		transporting wastes in enclosed containers.	
S3.5		- A recording system for the amount of wastes generated,	^
55.5		recycled and disposed of (including the disposal sites).	
	S6.7	- Regular cleaning and maintenance programme for drainage	^
	30.7	systems, sumps and oil interceptors.	
	S6.7	- Training should be provided to workers about the concepts of	^
	50.7	site cleanliness and appropriate waste management procedures,	
		including waste reduction, reuse and recycle.	
S3.5		Waste Reduction Measures	
33.3			
		Good management and control can prevent the generation of a	
		significant amount of waste. Waste reduction is best achieved at the	
		planning and design stage, as well as by ensuring the	
		implementation of good site practices. Recommendations to achieve	
G2 <i>E</i>	067	waste reduction include:	NIA
S3.5	S6.7	- Sort C&D waste from demolition of the remaining structures to	NA
G2. 7	067	recover recyclable portions such as metals.	^
S3.5	S6.7	- 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.	
S3.5	S6.7	- Encourage collection of aluminium 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.	
S3.5		- Any unused chemicals or those with remaining functional	^
		capacity should be recycled.	
S3.5	S6.7	- Proper storage and site practices to minimise the potential for	^
		damage or contamination of construction materials.	
S3.5		Construction and Demolition Materials	
		Mitigation measures and good site practices should be incorporated	
		in the contract document to control potential environmental impact	
		from handling and transportation of C&D material. The mitigation	
		measures include:	
S3.5		- Where it is unavoidable to have transient stockpiles of C&D	^ *
		material within the Project work site pending collection for	

EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
		disposal, the transient stockpiles shall be located away from	
		waterfront or storm drains as far as possible.	
S3.5		- Open stockpiles of construction materials or construction	^
		wastes on-site should be covered with tarpaulin or similar	
		fabric.	
S3.5		- Skip hoist for material transport should be totally enclosed by	^
		impervious sheeting.	
S3.5		- Every vehicle should be washed to remove any dusty materials	^
		from its body and wheels before leaving a construction site.	
S3.5		- 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.	
S3.5		- 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.	
S3.5		- All dusty materials should be sprayed with water prior to any	^
		loading, unloading or transfer operation so as to maintain the	
		dusty materials wet.	
S3.5		- The height from which excavated materials are dropped should	^
		be controlled to a minimum practical height to limit fugitive	
		dust generation from unloading.	
S3.5		- 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	
		and Demolition Materials" should be included as one of the	
		contractual requirements and implemented by an	
		Environmental Team undertaking the Environmental	
		Monitoring and Audit work. An Independent Environmental	
		Checker should be responsible for auditing the results of the	
		system.	
	S6.7	- Plan and stock construction materials carefully to minimize	٨
		amount of waste generated and avoid unnecessary generation	

Implementatio	Implementation Schedule for Waste Management Measures			
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status	
		of waste.		
S3.5		Chemical Waste	٨	
		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.		
	S6.7	Separation of chemical wastes for special handling and appropriate	^	
		treatment.		
S3.5		General Refuse	٨	
		General refuse should be stored in enclosed bins or compaction units		
		separate from C&D material. A licensed waste collector should be		
		employed by the contractor to remove general refuse from the site,		
		separately from C&D material. Effective collection and storage		
		methods (including enclosed and covered area) of site wastes would		
		be required to prevent waste materials from being blown around by		
		wind, wastewater discharge by flushing or leaching into the marine		
		environment, or creating odour nuisance or pest and vermin		
		problem.		

Implementatio	Implementation Schedule for Landscape and Visual Measures			
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status	
S3.8.12		All existing trees should be carefully protected during construction.	٨	
S3.8.12		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.	NA	
S3.8.12		Control of night-time lighting.	٨	
S3.8.12		Erection of decorative screen hoarding.	٨	
	S7.9	Construction Site Control - CM1 - Minimized construction area and contractor's temporary works areas.	^	
		- CM2- Control of night-time lighting and glare by hooding all lights.	^	
		- CM3 - Erection of decorative mesh screens or construction	^	

Implementatio	Implementation Schedule for Landscape and Visual Measures				
EIA for KTD Development Ref.	Development - Roads D3A				
		hoardings around works areas in visually unobtrusive colours.			
		- CM4 - Reduction of construction period to practical minimum.	٨		
		- CM5 - Limitation of / Ensuring no run-off into surrounding landscape and adjacent seawater areas.	^		
		- CM6 - Temporary or advance landscape should be provided along the temporary access roads to the Cruise Terminal until such time as road D3 is open.	NA		

Remarks:			
^	^ Compliance of mitigation measure.		Non-compliance of mitigation measure.
N/A	Not Applicable at this stage.	•	Non-compliance but rectified by the contractor.
N/A (1)	Not observed.		
*	Recommendation was made during site audit	#	Recommendation was made during audit and to be
	but improved/rectified by the contractor.		improved/ rectified by the contractor.

Mitigation Measures undertaken by the Contractor for site inspections





Date:	09 April 2024	Date:	18 April 2024
Mitigation Measures:	The portable toilets	Mitigation Measures:	The use of timber
	were provided in the		comes from
	construction site.		well-managed forests.



Haul

road

sprayed with water to

maintain the entire road surface wet.

was

Mitigation Measures:



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

Reporting Month: April 2024

Contract No.	Record of Complaint (Yes/No)	Record of Warning (Yes/No)	Notification of Summons and Successful Prosecutions (Yes/No)
ED/2018/01	No	No	No

Cumulative Statistics on Complaints, Notification of Summons and Successful Prosecutions up to reporting month

Contract No.	Record of Complaint	Record of Warning	Notification of Summons and Successful Prosecutions
ED/2018/01	15	0	0

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
C0001	A dust complaint was referred from the Contractor on 21 Oct 2020 regarding a public complaint via 1823 hotline (Case no. 3-6518939602) on 20 Oct 2020.	 The water spraying system was not operated in proper time. Stockpile was not covered properly. Haul road was not wetted. Materials transported on trucks were not provided with mechanical covers. 	 Investigation 	- Closed-out on 5 Nov 2020 No further complaint was received.	

Complaint Log for ED/2018/01						
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status		
			process.			
C0002	A dust complaint was referred from the Contractor on 8 Sep 2021 through E-Mail regarding a complaint received by EPD (EPD ref.: K19/RE/00021205-21) on 7 Sep 2021.	Complaint of dust problem at the pavement of Muk Tai Street near Sports Park.	Investigation As per contractor, part of the complaint area was within the site boundary of the project. 1. Manual water spraying was provided. 2. The exposed surface and stockpile areas were covered by the impermeable tarpaulin sheet. Action taken The exposed surface and stockpile area was covered by the impermeable tarpaulin sheet. Recommendations There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however the contractor is recommended to implement the following measures to minimize the impact for air quality: 1. Ensure stockpiling sites should be lined with impermeable sheeting and bunded. 2. Stockpiles should be fully covered by impermeable sheeting at all time except during working process. 3. Ensure the work fulfill the relevant statutory requirements on control of air pollution. 4. Take necessary measures to minimize the environmental nuisance arising from the construction site.	- Closed-out on 4 Oct 2021 No further complaint was received.		
C0003	A water discharge complaint was referred from the Contractor on 10 Dec 2021 through E-Mail regarding a complaint received by	Complaint of muddy water being discharged into the sea of To Kwa Wan Typhoon Shelter via a DSD outfall near the roundabout of Shing Fung Road.	Investigation Joint site inspection was conducted by ER, IEC, ET and the contractor on 14 Dec 2021, no adverse observation against the water impact was recorded. 1. There was no muddy water discharge to DSD outfall near the roundabout of Shing Fung Road.	- Closed-out on 5 Jan 2022. - No further complaint was		

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
	EPD (ref.: K19/RE/00029046-21) on 9 Dec 2021.		 The sandbag with layers and filter were provided at the manholes. Action taken Sandbags and filter were used to block the manholes. Manholes had been adequately covered and replace the filter frequently. Recommendations There was no direct evidence showing that the water nuisance was caused by the contractor at the complaint area. Some of muddy water generated from wheel washing might be flow to the outfall inside the site boundary, however the contractor had taken the mitigation measure by using sandbag and filter to ease the nuisance. The contractor is recommended to implement the following measures to minimize the impact for waste water: 	received.	
C0004	A dust complaint was received by EPD on 16 Dec 2022. Contractor received Notification of Environmental Complaints from EPD	Complaint of mud/ silt being brought out by vehicles from the project site casing mud/silt accumulation on Shing Fung Road.	 Investigation Regular site inspection was conducted by ET on 29 Dec 2022. 1. As per the Contractor, mud / slit generated from nearby construction sites might be brought to Shing Fung Road roundabout. 2. No adverse observation against the dust impact was recorded during site inspection. 	 Closed-out on 13 Jan 2023. No further complaint was received. 	

Complaint Log for ED/2018/01						
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status		
KCI. IVO.	(ref.: K19/RE/00029136-22) by E-Mail on 22 Dec 2021.		 Action taken Watering manually frequently. Haul Road surfaces were wetted by water truck. Wheel washing for the trucks and vehicles before leaving the project site. Recommendations minimize the impact for air quality, mitigation measures should be enhanced specially in dry seasons are recommended: Increase the frequency and duration for automatic water spraying system. Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted by water trucks or manually in regular basis. Regular wash and clean the share haul road and roundabout in Shing Fung Road. Wheel washing for the trucks and vehicles before leaving the project site. The muddy water after the wheel washing should be directed to sedimentation tank and wastewater treatment facility before discharging to gully. Ensure stockpiling sites should be lined with impermeable sheeting and bunded. Stockpiles should be fully covered by impermeable sheeting at all time except during working	Date / Status		
			process. 6. Dusty materials transported on truck shall be covered.			
C0005	A noise complaint was received by EPD on 21 Dec 2022. Contractor received Notification of Environmental	Complaint of construction noise arising from the project site near Shing Kai Toad and Muk Tai Street continued to 01:30 am on 21 Dec 2022.	 Investigation Regular site inspection was conducted by ET and the Contractor on 29 Dec 2022 1. As per the Contractor, the complaint was still under investigation and could not conclude the complaint related to the project site or not. 2. Status of CNPs in the works area near Shing Kai Road and 	- During the SSMEC meeting on 10 Jan 2023, the Contractor explained		

Complaint	Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / A	ctions taken / Recor	nmendations	Close-Out Date / Status
	Complaints from EPD		Muk Tai Street were	checked and all of	them were valid.	that the
	(EPD ref.: K19/RE/00029422-22)		Construction Noise Permit	Valid Form	Valid Till	noise complaint
	on 22 Dec 2022.		GW-RE1297-22	10 Dec 2022	08 Jun 2023	case has
	ma i i i		GW-RE1299-22	17 Dec 2022	15 Jun 2023	already
	IEC received the notification on 22 Dec 2022 from EPD and forwarded the notification to CEDD, Contractor, ER and ET on same day.		Action taken 1. Trainings for CNP v 2022. 2. No construction ac hours for those areas Recommendations To minimize the impa	tivities were allowers without valid CNP.	ed in the restricted	passed to head office and waiting for the Legal opinion. No further informatio n could be
			measures are recommend. Training to new start for CNP and other etc. Regularly check to environmental perm	ff and regular enhar nvironmental issues. the status of ALI		provided for Incident Report on Complaint Investigati on at that moment Under investigati
						on in the reporting month.
C0006	A dust complaint was	Complaint of construction dust arising	Investigation	1 . 11	C. I. 2022 1111	- Closed-out
	received by EPD on 6 Dec 2022.	from construction sites along Shing Fung Road.	Site inspections were co site inspection was cond IEC on 8 Feb 2023.			on 16 Mar 2023.
	Contractor (POC)		1. The concerned area	(roundabout) is th	e common road for	

Date of Complaint received Notification of	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out
		In congestion / Hostonic anton / Recommendations	Date / Statu
Environmental Complaints from EPD (ref.: K19/RE/00027862-22) by E-Mail on 7 Dec 2022. IEC received the notification on 19 Jan 2023 and forwarded the notification to CEDD,		 public vehicles. In addition, construction vehicles from several nearby construction sites also use the concerned road, especially a lots of dump trucks. 2. Construction vehicles from Contractor (POC) project site are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. 3. Worker of sub-contractor from Contractor (POC) wetted the part of the concerned road surface during the site inspection on 8 Feb 2023 to suppress dust emission. 4. No construction works was observed on 26 Jan 2023 and no adverse observation against the dust impact were found during the site inspection on both dates. 	
ER and E1 on same day.		 Action taken Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. Wheel washing for the trucks and vehicles before leaving the project site directly through Shing Fung Road exit. Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. 	
		Recommendations There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality: 1. Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted manually in regular basis. 2. Regular wash the share haul road and roundabout in Shing	
t 1	by E-Mail on 7 Dec 2022. EC received the notification on 19 Jan 2023 and forwarded the	by E-Mail on 7 Dec 2022. EC received the notification on 19 Jan 2023 and forwarded the notification to CEDD,	as the exit was blocked by barriers since 21 Jan 2023. 3. Worker of sub-contractor from Contractor (POC) wetted the part of the concerned road surface during the site inspection on 8 Feb 2023 to suppress dust emission. 4. No construction works was observed on 26 Jan 2023 and no adverse observation against the dust impact were found during the site inspection on both dates. Action taken 1. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. 2. Wheel washing for the trucks and vehicles before leaving the project site directly through Shing Fung Road exit. 3. Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. Recommendations There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality: 1. Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted manually in regular basis.

Complaint	Log for ED/2018/01			
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
			the project site. The muddy water after the wheel washing should be directed to sedimentation tank and wastewater treatment facility before discharging to gully. 4. Dusty materials transported on truck shall be covered.	
C0007	A dust complaint was received by EPD on 19 Jan 2023. Contractor (POC) received Notification of Environmental Complaints from EPD (ref.: K19/RE/00001988-23) by E-Mail on 2 Feb 2023. IEC received the notification on 2 Feb 2023 and forwarded the notification to CEDD, ER and ET on the same day.	Complaint of dusty environment at the new road connecting Shing Fung Road and Shing Kai Road caused by vehicles from construction sites nearby.	 Investigation Joint site inspection was conducted by Contractor (POC), ER, ET and IEC on 8 Feb 2023. 1. The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. 2. Construction vehicles from POC are not allowed leaving the site to Shing Fung Road directly with barriers blocked since 21 Jan 2023. 3. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. 4. Worker of sub-contractor from Contractor (POC) wetted the part of the concerned road surface during the site inspection on 8 Feb 2023 to suppress dust emission. 5. No adverse observation against the dust impact were found during the site inspection along the new road. Action taken 1. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. 2. Wheel washing for the trucks and vehicles before leaving the project site. 3. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. Recommendations 	- Closed-out on 16 Mar 2023.

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
			There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality: 1. Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted by water trucks or manually in regular basis. 2. Regular wash the share haul road in Shing Fung Road. 3. Wheel washing for the trucks and vehicles before leaving the project site. The muddy water after the wheel washing should be directed to sedimentation tank and wastewater treatment facility before discharging to gully. 4. Dusty materials transported on truck shall be covered.		
C0008	A dust complaint was received by EPD on 13 Feb 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00003909-23) by E-Mail on 17 Feb 2023 and forwarded the E-mail to ER, ET and IEC on same day.	Complaint of silt / mud accumulation on the new road connecting Shing Fung Road and Shing Kai Road caused by vehicles from construction sites nearby.	 Investigation Joint site inspection was conducted by Contractor (POC), ER, ET and IEC on 23 Feb 2023 and regular site inspection was conducted by Contractor (POC), ER and ET on 2 Mar 2023. 1. The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust nuisance. 2. Construction vehicles from POC are not allowed leaving the site to Shing Fung Road directly with barriers blocked since 21 Jan 2023. 3. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. 4. As per Contractor (POC), EPD conducted site visit on 16 Feb 2023. 5. No adverse observation against the dust / muddy water impact were found during the site inspection on both dates. 	- Closed-out on 29 Mar 2023.	

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
			 Action taken Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. Wheel washing for the trucks and vehicles before leaving the project site. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once a week as follow: Date Road Washing by 8 Mar 2023 Sweeper truck with water spraying truck 14 Mar 2023 Sweeper truck with water spraying truck During the two site inspections, mitigation measures implemented by the Contractor (POC) were found properly based on existing site condition and resources. 		
			Recommendations There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality: 1. Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted by water trucks or manually in regular basis.		

	Log for ED/2018/01	T	T	G1 G :
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
			 Regular wash the share haul road in Shing Fung Road. Dusty materials transported on truck shall be covered. 	
C0009	A dust complaint was received by EPD on 15 Feb 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00004280-23) by E-Mail on 22 Feb 2023 and forwarded the E-mail to ER, ET and IEC on same day.	Complaint of mud / silt being brought out by vehicles from construction site at Shing Fung Road roundabout (near Lamp Post DF4831) causing mud / silt accumulation along Shing Fung Road.	 Investigation Joint site inspection was conducted by Contractor (POC), ER, ET and IEC on 23 Feb 2023 and regular site inspection was conducted by Contractor (POC), ER and ET on 2 Mar 2023. 1. The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust nuisance. 2. Construction vehicles from POC are not allowed leaving the site to Shing Fung Road directly with barriers blocked since 21 Jan 2023. 3. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. 4. As per Contractor (POC), EPD conducted site visit on 16 Feb 2023. 5. No adverse observation against the dust impact were found during the site inspection on both dates. 	- Closed-out on 29 Mar 2023.
			 Action taken Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. Wheel washing for the trucks and vehicles before leaving 	

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
			the project site. 5. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once a week as follow: Date	
			Recommendations There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality: 1. Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted by water trucks or manually in regular basis. 2. Regular wash the share haul road in Shing Fung Road. 3. Dusty materials transported on truck shall be covered.	
C0010	A dust and muddy water complaint was received by Hotline 1823 on 9 Mar 2023. ER received the transfer from the Hotline 1823 on 9 Mar 2023 and forwarded the E-mail to	Complaint of dusty environment at the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road roundabout. Worker wetted the road surface and might cause mud / silt problem.	 Investigation Joint site inspection was conducted by Contractor (POC), ER, and ET on 16 Mar 2023 and 23 Mar 2023. The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust nuisance. Construction vehicles from POC are not allowed leaving the 	- Closed-out on 6 Apr 2023.

Complaint	Log for ED/2018/01			
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
	Date of Complaint Contractor (POC), ET and IEC on same day.	Description of Complaint	 Investigation / Actions taken / Recommendations site to Shing Fung Road directly with barriers blocked since 21 Jan 2023. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. The sandbags were provided around the manholes. No adverse observation against the dust / muddy water impact were found during the site inspection on both dates. Action taken Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. Wheel washing for the trucks and vehicles before leaving the project site. As per instruction from CEDD and AECOM, road washing 	
			along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once a week as follow: Date	

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
			Recommendations There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air and water quality: 1. Dusty materials transported on truck shall be covered. 2. Enhance the sandbags with several layers of filters and replace the filter frequently.		
C0011	A muddy water complaint was received by EPD on 9 Mar 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00004280-23) by E-Mail on 22 Feb 2023 and forwarded the E-mail to ER, ET and IEC on same day.	Complaint of water being sprayed onto vehicles passing by and mud / silt being washed into roadside gully near Shing Fung Road roundabout.	Investigation Joint site inspection was conducted by Contractor (POC), ER and ET on 23 Mar 2023. 1. The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust / mud / silt nuisance. 2. The sandbags were provided around the manholes. 3. No adverse observation against the muddy water impact were found during the site inspection on both dates. Action taken 1. As per Contractor (POC), no manually road surfaces watering on Shing Fung Road after receiving complaint (16 Mar 2023). 2. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once a week as follow: Date Road Washing by 8 Mar 2023 Sweeper truck with water spraying truck 9 Mar 2023 Sweeper truck with water spraying truck	- Closed-out on 6 Apr 2023.	

•	Log for ED/2018/01	I	I	C1 0 :
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
			14 Mar 2023 Sweeper truck with water spraying truck 22 Mar 2023 Sweeper truck with water spraying truck 3. The sandbags were provided around the manholes. Recommendations There was no direct evidence showing that the muddy water nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air and water quality: 1. Enhance the sandbags with several layers of filters and replace the filter frequently.	
C0012	A dust complaint was received by EPD on 31 May 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00013488-23) by E-Mail on 6 June 2023 and forwarded the E-mail to ER, ET and IEC on same day.	Complaint of silt / mud accumulation on the new road connecting Shing Fung Road and Shing Kai Road caused by vehicles from construction site nearby.	 Investigation Joint site inspection was conducted by Contractor (POC), ER and ET on 8 June 2023. 1. As per Mr. Tony Tang from POC, the concerned area was the section of Shing Fung Road at the entrance of Gammon site accommodation. 2. The new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 December 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust / silt nuisance. 3. As per Mr. Tony Tang from POC, recycled water was used in wheel washing machine near the entrance of Gammon site. Those are the possible sources of mud nuisance. 4. No adverse observation against the dust impact were found during the site inspection. Action taken 1. As per instruction from CEDD and AECOM, road washing 	- Closed-out on 19 June 2023.
			1. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and	

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
			Shing Kai Road) and Shing Fung Road by water truck was conducted twice a week start from 11 May 2023. Date Road Washing by 19 May 2023 Sweeper truck with water spraying truck 23 May 2023 Sweeper truck with water spraying truck 25 May 2023 Sweeper truck with water spraying truck 30 May 2023 Sweeper truck with water spraying truck 2 June 2023 Sweeper truck with water spraying truck 6 June 2023 Sweeper truck with water spraying truck 9 June 2023 Sweeper truck with water spraying truck 13 June 2023 Sweeper truck with water spraying truck 2. Wheel washing for the vehicles before leaving the construction site. Recommendations There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality: 1. Regular wash the share haul road in Shing Fung Road and Shing Kai Road. 2. Dusty materials transported on truck should be covered.	
C0013	A water complaint was received by EPD on 19 June 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00014944-23)	 Complaint of muddy water being discharged into Kai Tak Approach Channel on 18 Jun 2023. Complaint of construction work being conducted on the Sunday of 18 Jun 2023. 	Joint site inspection was conducted by Contractor (POC), ER and ET on 6 Jul 2023.	- Closed-out on 2 Aug 2023.

Complaint	Log for ED/2018/01			
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
	by E-Mail on 29 June 2023 and forwarded the E-mail to ER, ET and IEC on 4 July 2023.		might wash across the exposed soil surfaces which was direct muddy water discharge. This is the possible source of water nuisance. 3. As per Mr. Tony Tang from POC, no construction work was conducted on 18 Jun 2023. Based on the attendance record, 6 employees including 4 watchman, labourer and driver, were on site on 18 Jun 2023 and they were not involved in the construction work. In the joint site inspection, no construction work was conducted on the nearby channel. 4. No adverse observation against the muddy water impact were found during the site inspection on 14 and 20 June 2023, and 6 July 2023. The sedimentation tank and wastewater treatment plant are operating efficiently during the site inspection.	
			 Action taken The ditch is maintained regularly and excavated deeper by workers. Pumps are placed at the ditch to prevent flooding and overflow. Enhanced training for site workers to prevent flushing during heavy rain by placing pumps in the ditch to prevent flooding and overflow during periods of heavy rain during Tool- Box-Talk training. 	
			Recommendations There was no direct evidence showing that the muddy water nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for water quality: Regular cleaning and maintenance drainage systems at the nearby Kai Tak Approach Channel.	

	Log for ED/2018/01			
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
C0014	A polluting discharge complaint was received by EPD on 16 October 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00024581-23) by E-Mail on 19 October 2023 and forwarded the E-mail to ER, ET and IEC on 21 October 2023.	- Complaint of polluting discharge from the construction site of Stage 4 Infrastructure at the Former Runway and South Apron, Kowloon City ("illegal discharge from kai tak 6577 construction site the main contractor should be hip hing)	 Investigation Joint site inspection was conducted by Contractor (POC), ER and ET on 26 October 2023. 1. The concerned area is near at Former Runway and South Apron, Kowloon City. Those are the possible sources should be illegal discharge from Kai Tak 6577 construction site which the main contractor should be hip hing. The possible source of polluting discharge does not come from the Contractor (POC). 2. No adverse observation against the muddy water impact were found during the site inspection on dates. No surface runoff is observed, and the sedimentation tank and wastewater treatment plant were implemented normally. Action taken 	- Closed-out on 15 November 2023.
			Action taken 1. As per Contractor (POC), no wastewater generated at concerned area and ensure fulfil the conditions stipulated in the valid WPCO licence after receiving complaint (16 October 2023). The effluent discharge has been implemented properly. 2. The silt curtain has been installed around the construction activities at the concerned area. (referring to Photo 2) The sedimentation tank and wastewater treatment has been implemented properly. 3. The pump has been installed and collected sewage	

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
			at the channel which can minimize water quality impacts and prevent overload the foul sewage system. (referring to Photo 3) The channel and ditches have been clear after receiving complaint. Recommendations There was no direct evidence showing that the muddy water nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for water quality: 1. The silt removal facilities, channels and manholes should be maintained regularly. 2. The silt curtain and equipment should be properly maintained.		

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
C0015	A dust complaint was received by EPD on 12 December 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00030287-23) by E-Mail on 19 December 2023 and forwarded the E-mail to ER, ET and IEC on 20 December 2023.	- Complaint of construction dust nuisance on Shing Fung Road.	Investigation Joint site inspection was conducted by Contractor (POC), ER, and ET on 21 December 2023. 1. As per the email clarified by Mr. Tony Tang from POC on 20 December 2023, the concerned area (section of Shing Fung Road) was the junction of Road D3 and gate 2A& 2B. 2. The new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 December 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust / silt nuisance. The non-project of stockpiles is founded near the concerned road during the site inspection. 3. 3. As per Mr. Tony Tang from POC, recycled water was used in wheel washing machine near the entrance of Gammon site. The washing facilities and regular road watering are implemented. 4. No adverse observation against the dust impact were found during the site inspection. The washing facilities and dust control measures are implemented properly. Action taken 1. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung	- 17 January 2024

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Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Statu
			Road and Shing Kai Road) and Shing Fung Road b	у
			water truck was conducted once per week in	
			December 2023.	
			Date Road Washing by	
			07 December Sweeper truck with water spraying truc	k
			2023	
			16 December Sweeper truck with water spraying truc	k
			2023	
			21 December Sweeper truck with water spraying truc	k
			2023	
			29 December Sweeper truck with water spraying truc	k
			2023	
			2. Wheel washing for the vehicles before leaving the	
			construction site.	
			Recommendations	
			There was no direct evidence showing that the dust nuisa	
			was caused by the contractor at the complaint area, how	
			Contractor (POC) is recommended to implement the follow	ving
			measures to minimize the impact for air quality:	
			1. Regular wash the share haul road in Shing Fung Road	and
			Shing Kai Road.	
			2. Dusty materials transported on truck should be covered.	