#### 14-11-2022

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 October 2022

I 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 and one electronic copy of Monthly EM&A Report for October 2022, which has been verified by the IEC for your reference.

Thank you very much for your attention and please feel free to contact Mr. Lee at 2618 2166 should you require further information.

Yours faithfully,

For and on behalf of Ka Shing Management Consultant Limited

#### AKCL

Applied knowledge center limited

**Company Secretary** 

## **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

October 2022

(Version 1.0)

Certified By:	1
	(Environmental Team Leader)



Ref.: CEDKTDS4EM00\_0\_0256L.22

11 November 2022

By Post and Email

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

Attention: Mr. Clive Cheng

Dear Sir,

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

#### Monthly EM&A Report for October 2022

Reference is made to the Environmental Team's submission of the Monthly EM&A Report for October 2022 (Version 1.0) certified by the ET Leader and provided to us via email on 8 November 2022.

Please be informed that we have no adverse comment on the captioned submission. We hereby verify the captioned submission 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

c.c.

Y H Hui Independent Environmental Checker

> CEDD Ka Sh

Ka Shing Penta-Ocean Attn.: Mr. Alex Wong Attn.: Mr. Chan Pang Attn.: Mr. Daniel Ho Fax: 2739 0076 By email Fax: 2572 4080

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## **EXECUTIVE SUMMARY**

This is the 34<sup>th</sup> Monthly Environmental Monitoring & Audit (EM&A) report which summaries the findings of the EM&A Programme during the reporting period from 1 to 31 October 2022.

#### **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/Limit Level exceedance was recorded.
- 4) Summary of the non-compliance in the reporting month for the Project is tabulated in Table I.

Demonstern	No. of Exceedance		A stien Talzen	
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	

 Table I
 Non-compliance Record in the Reporting Month

#### Complaint log

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

Date of complaint	Description of complaint	Investigation / Recommendations / Action take	Close-out date / Status
N/A	N/A	N/A	N/A
	complaint	complaint Description of complaint	Date of complaintDescription of complaintRecommendations / Action take

Table II Summary of complaints in the Reporting Month

Date of complaint received	Date of complaint	Description of complaint	Investigation / Recommendations / Action take	Close-out date / Status
was received in the reporting month.				

#### 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.

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

Table III Summary of summons and successful prosecutions 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:
  - North Approach Ramp Construction of end wall & central median
  - Bridge D3 Construction of Bridge Deck & laying of storm water drainage pipes
  - North Depressed Road Construction of central median
  - Underpass Construction of upstand wall, Panel timber slat installation
  - South Approach Ramp Construction of Permanent Structure & laying of storm water drainage pipes
  - District Cooling System seawater intake box culvert (Shing Fung Road) Reinstatement of inner wall of the box culvert
  - Lift 3 Modification works
  - Lift 4 Construction of lift shaft and glass panel
  - South Depressed Road construction of upstand wall, Panel timber slat installation
  - Rising Main and Water Pipe Laying of sewage
  - Elevated Landscaped Deck Installation of columns, construction of Landscaped Deck
  - Shing Kai Road Modification works, laying of storm water drainage pipes
  - Lift 1 & 2 Installation of lift shaft
  - CLP substation Construction of permeant structure
  - Noise Barrier Remaining works, Bus lay-by construction, expansion of the existing noise barrier
  - Seawater Intake Box Culvert of Saltwater Pumping Station Installation of sheetpiles and ELS system, pumping test
  - At Grade Road Laying of storm water drainage pipes

#### <u>Future key issues</u>

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	
North Approach Ramp – Construction of end wall & central	Noise and Air Quality, Chemical	
median	and Waste Management	
Bridge D3 – Construction of Bridge Deck & laying of storm	Noise and Air Quality, Landscape	
water drainage pipes	and Visual	
North Depressed Road - Construction of central median and	Noise and Air Quality, Chemical	
profile barrier	and Waste Management	
Underpass - Construction of upstand wall, Panel timber slat	Noise and Air Quality, Chemical	
installation	and Waste Management	
South Approach Ramp – Construction of Permanent Structure	Noise and Air Quality, Chemical	
& laying of storm water drainage pipes	and Waste Management	
District Cooling System seawater intake box culvert (Shing	Noise, Air and Water Quality	

Future key issues in the coming month	Potential impact
Fung Road) – Reinstatement of inner wall of the box culvert	
Lift 3 – Modification works	Noise and Air Quality, Chemical and Waste Management
Lift 4 – Construction of lift shaft and glass panel	Noise and Air Quality, Chemical and Waste Management
South Depressed Road – Construction of upstand wall, Panel timber slat installation	Noise and Air Quality, Chemical and Waste Management
Rising Main and Water Pipe – Laying of sewage	Noise, Air and Water Quality
Elevated Landscaped Deck – Installation of columns, construction of Landscaped Deck	Noise, Air and Water Quality
At Grade Road - Laying of storm water drainage pipes	Noise, Air and Water Quality
Shing Kai Road – Modification works, laying of storm water drainage pipes	Noise, Air and Water Quality
Lift 1 & 2 - Construction of lift shaft	Noise and Air Quality, Chemical and Waste Management
CLP substation – Construction of permeant structure	Noise, Air and Water Quality
Noise Barrier – Remaining works, Bus lay-by construction, expansion of the existing noise barrier	Noise, Air and Water Quality
Seawater Intake Box Culvert of Saltwater Pumping Station – Installation of sheetpiles and ELS system, pumping test	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 Civil Engineering and Development Department (CEDD) had completed an Environmental Impact Assessment (EIA) and is the Permit Holder.
- 1.4 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.
- 1.5 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**

1.6 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.

Party	Role	Contact Person	Position	Phone No.	Fax No.
Civil Engineering and	Project	Mr. Alex Wong	Senior Engineer	3579 2452	2739 0076
Development Department (CEDD)	Proponent	Ms. Chan Ka Yan	Engineer	3579 2458	2739 0076
AECOM Asia Co. Ltd. (AECOM)	Supervisor (act as Engineers' Representative (ER) listed in EM&A Manual)	Mr. Clive Cheng	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. Lulu Mar	Environmental Officer	6845 0626	3465 8898

Table 1.1 Contact Information of Key Personnel

#### Works Area and Construction Programme

 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

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

The first of the first and the first of the first and the first of the	<u>Tuble 1.2 Major activities of the Project during reporting month</u>			
North Approach Ramp – Construction of end	Bridge D3 – Construction of Bridge Deck &			
wall & central median	laying of storm water drainage pipes			
North Depressed Road – Construction of central	Underpass – Construction of upstand wall, Panel			
median	timber slat installation			
South Approach Ramp – Construction of	District Cooling System seawater intake box			
Permanent Structure	culvert - Connection of intake box culvert			
Rising Main and Water Pipe – Laying of sewage	Lift 3 – Modification works			
Lift 4 – Construction of lift shaft and glass panel	South Depressed Road – construction of upstand wall, Panel timber slat installation			
Elevated Landscaped Deck – Installation of	At Grade Road - Laying of storm water drainage			
columns, construction of Landscaped Deck	pipes			
Shing Kai Road – Modification works, laying of storm water drainage	Lift 1 &2 - Construction of lift shaft			
CLP substation – Construction of permeant structure	Noise Barrier – Remaining works, Bus lay-by construction, expansion of the existing noise barrier			
Seawater Intake Box Culvert of Saltwater Pumping Station – Installation of sheetpiles and ELS				
system, pumping test				

Table 1.2 Major activities of the Project during reporting month

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

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

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	18 May 2021	

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
		(Revision 2)	
Condition 3.2	NA	Baseline Monitoring Report	2 Jan 2020
Condition 3.2	NA	Revised Baseline Monitoring Report	28 Mar 2020
Condition 3.3	Condition 3.2	Monthly EM&A Report (September 2022)	14 October 2022

## 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 5.

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		

Table 2.1 Locations of Air Quality Monitoring Stations

\* 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.

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

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

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

Table 2.2 Air Quality Monitoring Parameters, Frequency and Duration

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

#### **Monitoring Equipment**

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

Equipment	Model	Quantity
HVS Sampler	TE-5170 X c/w of TSP sampling inlet	3
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

Table 2.3 Air Quality Monitoring Equipment

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

#### Monitoring Methodology and QA/QC Procedure

#### 24-hour TSP Monitoring

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

2.9 Setup criteria of HVS are shown as follows:

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

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

#### Maintenance/Calibration

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

#### 1-hour TSP Monitoring

#### Measurement Procedures

- 2.19 The measurement procedures of the 1-hour TSP were conducted in accordance with the Manufacturer's Instruction Manual as follows:
  - Set up the dust meter on a tripod at 1.2m level.
  - Turned on the dust meter and check the battery, if too low, change new ones. Pointed the meter to the source area or the planned measurement area.

- The zero calibration of the instrument was conducted before and after each sampling.
- TSP levels were recorded for 1-hour with 5-minute data logging interval.
- Recorded down the general meteorological conditions, Test ID no., start/end time, spot check reading at each sampling location for data processing.
- Recorded any activities that may generate dust during measurement period.

#### Maintenance/Calibration

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

• To 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

- 2.21 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.
- 2.22 The wind data was captured by a data logger and the data was downloaded at least once per month for analysis.
- 2.23 The wind data monitoring equipment will be re-calibrated at least once every six months.
- 2.24 Wind direction is divided into 16 sectors of 22.5 degrees each.
- 2.25 Details of weather information during the monitoring period are shown in Appendix F.

#### Action and Limit Levels

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

Parameter	Air Monitoring Station	Action Level, μg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
	AM3	182	260
24-hour average TSP	AM4(A)	187	260
	AM7	181	260

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

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

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

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

- 2.27 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 2.6 and Table 2.7 respectively.
- 2.28 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.

Air Monitoring Station	Average TSP Concentration, µg/m <sup>3</sup>	Range, μg/m <sup>3</sup>	Action Level, µg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
AM3	61	30 - 77	182	260
AM4(A)	/	/ _ /	187	260
AM7	56	32 - 75	181	260

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

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

Air Monitoring Station	Average TSP Concentration, µg/m <sup>3</sup>	Range, µg/m <sup>3</sup>	Action Level, µg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
AM3	47	36 - 61	297	500
AM4(A)	56	44 - 70	326	500
AM7	48	27 - 67	315	500

2.29 There was no Action and Limit Level exceedance of 24-hour average TSP and 1-hour average

TSP levels recorded during the reporting month.

- 2.30 Graphical presentation and detailed monitoring results of 24-hour average TSP and 1-hour average TSP levels are shown in Appendix G and Appendix H respectively.
- 2.31 The Event and Action Plan is provided in Appendix I.
- 2.32 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<sub>Aeq, 30-minute</sub>, 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 6.

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)

Table 3.1 Locations of Noise 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.

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

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

Noise Monitoring Station	Location for Measurement	Parameter	Frequency and Duration
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 (Monday, to Saturday), at
M12 - Hong Kong Children's Hospital	Rooftop (Façade)		(Monday to Saturday) at frequency of once per week.

Table 3.2 Noise Monitoring Parameters, Frequency and Duration

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

#### **Monitoring Equipment**

3.8 As referred to 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 3.3 summarizes the equipment to be used in the noise monitoring.

Table 3.3 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	2

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

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

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

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

#### Maintenance and Calibration

- 3.16 The microphone head of the sound level meter and calibrator was cleaned with a soft cloth at quarterly intervals.
- 3.17 The sound level meter and sound calibrator were calibrated annually.
- 3.18 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

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

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 UD(A)

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

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

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

- 3.20 Impact noise monitoring results at the designed noise monitoring stations are summarized in Table 3.5 respectively.
- 3.21 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.

Noise Monitoring Station	Measured L <sub>Aeq, 30-min</sub> , Average, dB(A)	Measured L <sub>Aeq, 30-min</sub> , Range, dB(A)	Action Level	Limit Level ^
M11	71.9	70.4 - 73.9	When one documented	75
M12	65.0	63.9 - 65.7	complaint is received	dB(A)

Table 3.5 Summary of Noise Monitoring Data during the reporting month

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

- 3.22 There were no action level exceedance of noise monitoring and limit level exceedance of  $L_{Aeq}$ , <sub>30min</sub> recorded during the reporting month.
- 3.23 Graphical presentation and detailed monitoring results are shown in Appendix K.
- 3.24 The Event and Action Plan is provided in Appendix L.
- 3.25 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

	ASR No. in	Predicted Cumulative Maximum 24-hour average TSP concentration		Measured 24-hr average TSP in	
Air Monitoring Station	EIA report	Scenario 1 (Mid 2009 to Mid 2013),	Scenario 2 (Mid 2013 to Late 2016),	Reporting Month (October 2022) µg/m <sup>3</sup>	
		$\mu g/m^3$	$\mu g/m^3$		
AM3 - Sky Tower	A40^	106	138	30 - 77	
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	32 - 75	

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

Twee H2 comparison of 1 now are age 151 monitoring Data maniproventions				
	ASR No. in EIA report	Predicted Cumu 1-hour ave concen	Measured 1-hr average TSP in	
Air Monitoring Station		Scenario 1 (Mid 2009 to	Scenario 2 (Mid 2013 to	Reporting Month (October 2022)
		Mid 2013), μg/m <sup>3</sup>	Late 2016), µg/m <sup>3</sup>	µg/m <sup>3</sup>
AM3 - Sky Tower	A40	217^	247^	36 - 61
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	A43	283^	409^	44 – 70
AM7 – Hong Kong Children's Hospital	PA60	NA	NA	27 - 67

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. 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.

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 (October 2022) L <sub>Aeq, 30min</sub> , dB(A)
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop <sup>*</sup>	N18	50 - 76*	70.4 - 73.9
M12 - Hong Kong Children's Hospital	PN83, PN84, PN84A	NA	63.9 - 65.7

*Table 4.3 Comparison of Noise Monitoring Data with EIA predictions* 

Note:

\* 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.

- 4.2 24-hour TSP monitoring results 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.

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 6, 12, 20 and 27 October 2022 in the reporting month.
- 5.4 The summaries of site audits are attached in Table 5.1.

Close-out Inspection Key Observations **Recommendations / Actions** Date / Date Status 06 October NA No NA 2022 12 October No NA NA 2022 20 October No NA NA 2022 27 October No NA NA 2022

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

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

## 6. ENVIRONMENTAL SITE INSPECTION AND AUDIT

#### **Site Inspection**

- 6.1 Site inspections were carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site.
- 6.2 Site inspections were conducted on 6, 12, 20 and 27 October 2022 in the reporting month.
- 6.3 The summaries of site audits are attached in Table 6.1.

Inspection Close-out **Key Observations Recommendations / Actions** Date Date / Status Closed-out 06 October on 12 2022 October 2022 Action Taken: The accumulated waste was Observation: cleared. The accumulated waste should be removed. Closed-out 12 October on 20 2022 October 2022 Action Taken: Observation: Water spraying on haul road have Water spraying on haul road been enhanced to reduce dust should be enhanced to reduce emission at ELT area. dust emission at ELT area. 20 October N/A N/A N/A 2022

*Table 6.1 Summary of site inspections observations during the reporting month* 

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
27 October 2022	Observation: The stagnant water should be cleared regularly.	Action Taken: The stagnant water has been cleared.	Closed-out on 03 November 2022

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

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

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

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

Environmental Licenses, Notifications and Permits	Ref. No.	Valid Form	Valid Till
Environmental Permit under EIAO	EP-337/2009	23 Apr 2009	N/A
	EP-445/2013/B	3 May 2022	N/A
Construction Dust Notification under APCO	445956	6 June 2019	N/A
Wastewater Discharge License under WPCO	WT00034610-2019	26 Sep 2019	30 Sep 2024
Waste Disposal Billing Account	7034450	28 June 2019	N/A
Registration as a Chemical Waste Producer	5218-286-P3182-03	18 Jul 2019	N/A
Construction Noise Permit	GW-RE0309-22	14 Apr 2022	13 Oct 2022

Table 6.2 Summary of Environmental Licenses, Notifications and Permits

Environmental Licenses, Notifications and Permits	Ref. No.	Valid Form	Valid Till
	GW-RE0503-22	02 Jun 2022	01 Dec 2022
	GW-RE0539-22	11 Jun 2022	09 Dec 2022
	GW-RE0580-22	18 Jun 2022	16 Dec 2022
	GW-RE0964-22	23 Sep 2022	19 Mar 2023
	GW-RE1060-22	14 Oct 2022	13 Apr 2023

#### **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 O.
- 6.8 In response to the site audit findings, the Contractor carried out corrective actions with summary given in Appendix O.

#### **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.

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

Table 6.3 Summary of complaints in the Reporting Month

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

#### 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.

	• •	iis und successful prosecutio		· · · · · · · · · · · · · · · · · · ·
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.				

Table 6.4 Summary of summons and successful prosecutions 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 P.

#### 7. FUTURE KEY ISSUES

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

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

Table 7.1 Summary of future key issues and potential impact in the coming month				
Future key issues in the coming month	Potential impact			
North Approach Ramp – Construction of end wall & central	Noise and Air Quality, Chemical			
median	and Waste Management			
Bridge D3 – Construction of Bridge Deck & laying of storm	Noise and Air Quality, Landscape			
water drainage pipes	and Visual			
North Depressed Road – Construction of central median	Noise and Air Quality, Chemical			
-	and Waste Management			
Underpass - Construction of upstand wall, Panel timber slat	Noise and Air Quality, Chemical			
installation	and Waste Management			
South Approach Ramp – Construction of Permanent Structure	Noise and Air Quality, Chemical			
& laying of storm water drainage pipes	and Waste Management			
District Cooling System seawater intake box culvert -	Noise, Air and Water Quality			
Connection of intake box culvert	•			
Lift 3 – Modification works	Noise and Air Quality, Chemical			
	and Waste Management			
Lift 4 – Construction of lift shaft and glass panel	Noise and Air Quality, Chemical			
	and Waste Management			
South Depressed Road -construction of upstand wall, Panel	Noise and Air Quality, Chemical			
timber slat installation	and Waste Management			
Rising Main and Water Pipe – Laying of sewage	Noise, Air and Water Quality			
Elevated Landscaped Deck – Installation of columns, construction of Landscaped Deck	Noise, Air and Water Quality			
At Grade Road - Laying of storm water drainage pipes	Noise, Air and Water Quality			
Shing Kai Road – Modification works, laying of storm water	-			
drainage pipes	Noise, Air and Water Quality			
Lift 1 & 2 - Construction of lift shaft	Noise and Air Quality, Chemical			
Lift 1 $\approx$ 2 - Construction of fift shaft	and Waste Management			
CLP substation – Construction of permeant structure	Noise, Air and Water Quality			
Noise Barrier - Remaining works, Bus lay-by construction,	Noise Air and Water Quality			
expansion of the existing noise barrier	Noise, Air and Water Quality			
Seawater Intake Box Culvert of Saltwater Pumping Station -	Noise, Air and Water Quality			
Installation of sheetpiles and ELS system, pumping test	Torse, An and water Quality			

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

- 7.2 The mitigation measures for environmental impact including Air Quality, Construction Noise, Water Quality, Chemical and Waste Management, Landscape and Visual shall be implemented:
  - Sufficient watering of the works site with the active dust emitting activities,
  - Limitation of the speed for vehicles on unpaved site roads,
  - Properly cover the stockpiles,
  - Good maintenance to the plant and equipment,
  - Use of quieter plant and Quality Powered Mechanical Equipment (QPME),
  - Provide movable noise barriers,
  - Appropriate desilting/ sedimentation devices provided on site for treatment before discharge,
  - Well maintain the drainage system to prevent the spillage of wastewater during heavy rainfall,
  - Onsite waste sorting and implementation of trip ticket system,
  - Good management and control on construction waste reduction,
  - Erection of decorative screen hoarding,
  - Strictly following the Environmental Permits and Licenses, and
  - Provide sufficient mitigation measures as recommended in Approved EIA 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 C.

## 8. CONCLUSIONS

- 8.1 Environmental monitoring works were performed in the reporting month and all monitoring results were checked and reviewed.
- 8.2 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded. 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

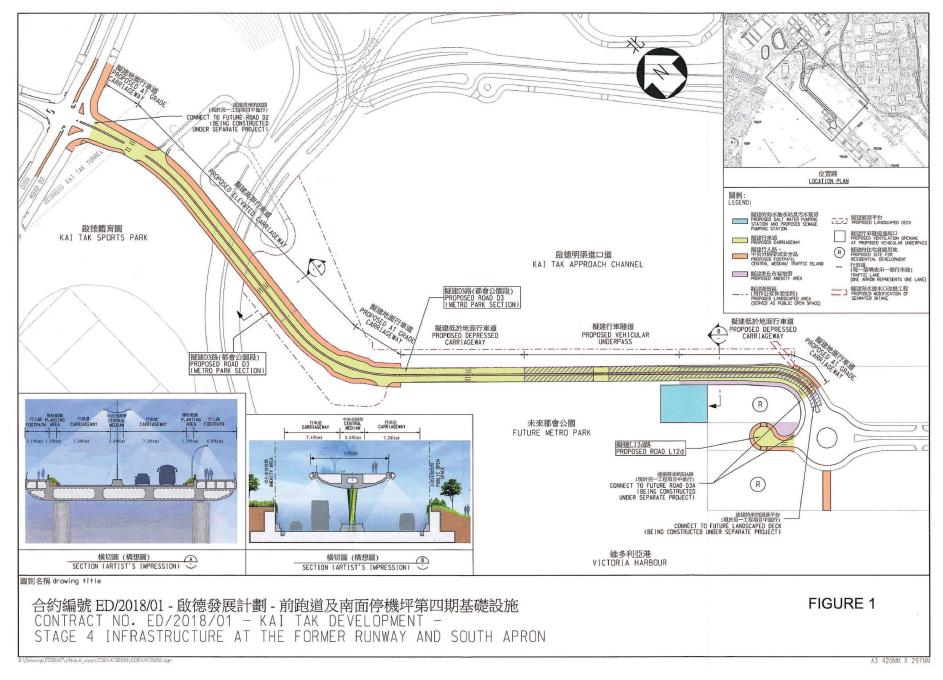


Figure 1 – Proposed works of Contract No. ED/2018/01

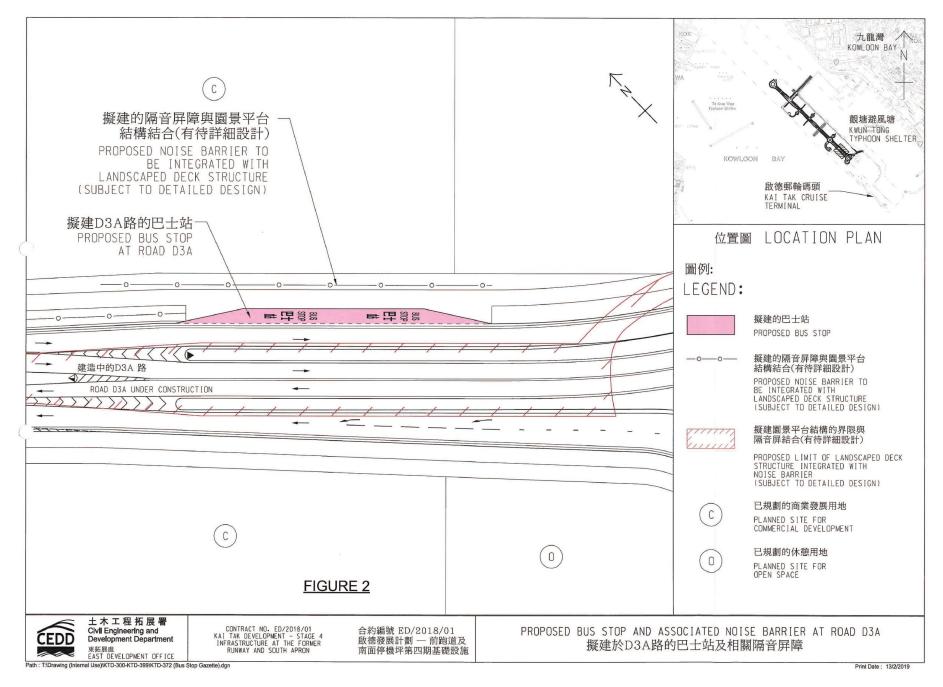


Figure 2 - Proposed Bus Stop And Associated Noise Barrier At Road D3A

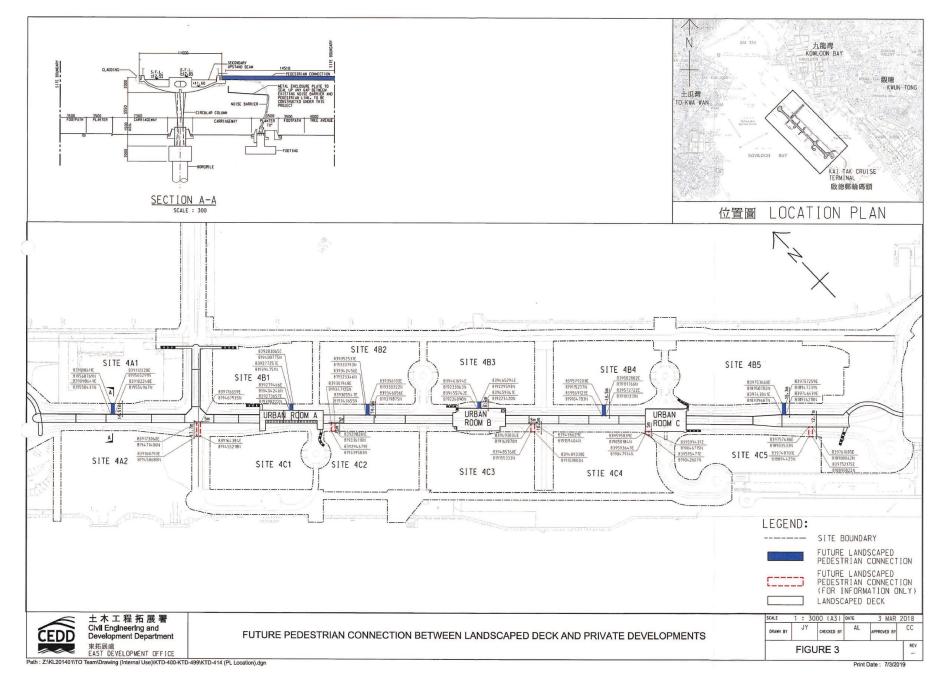


Figure 3 – Future Pedestrian Connection Between Landscaped Deck And Private Developments

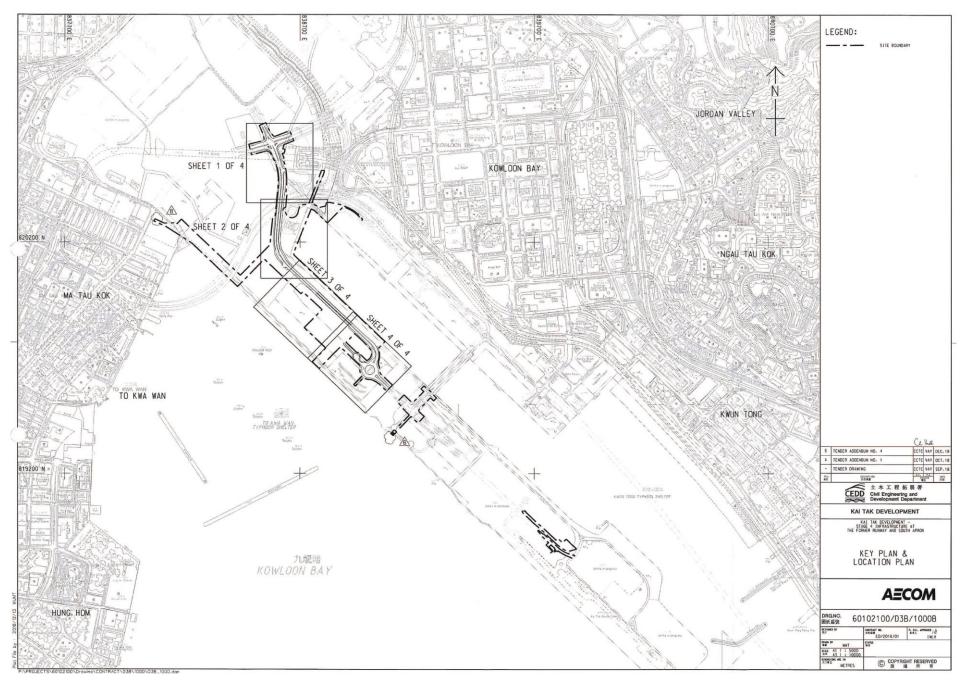


Figure 4 – Site Layout Plan

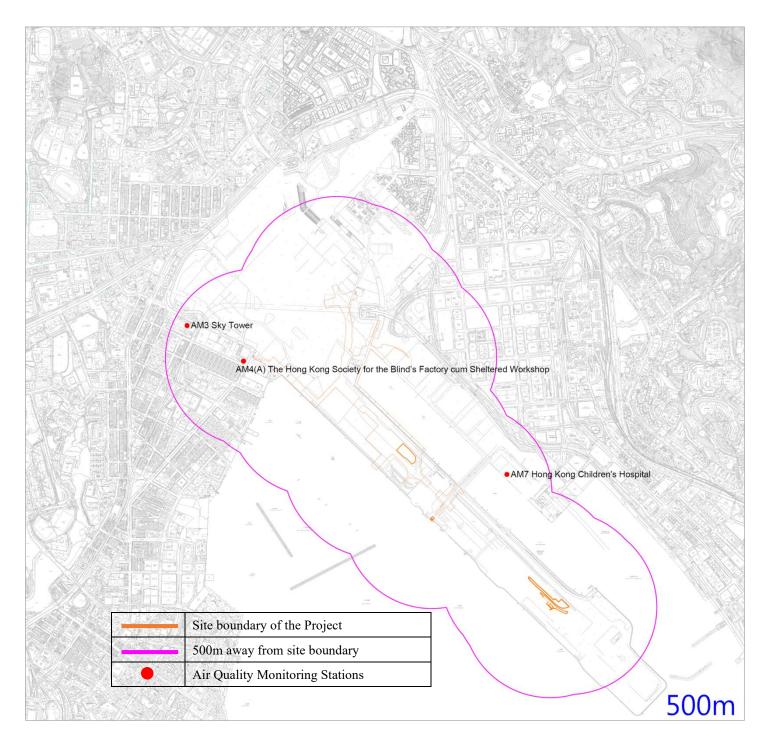


Figure 5 – Air Quality Monitoring Stations

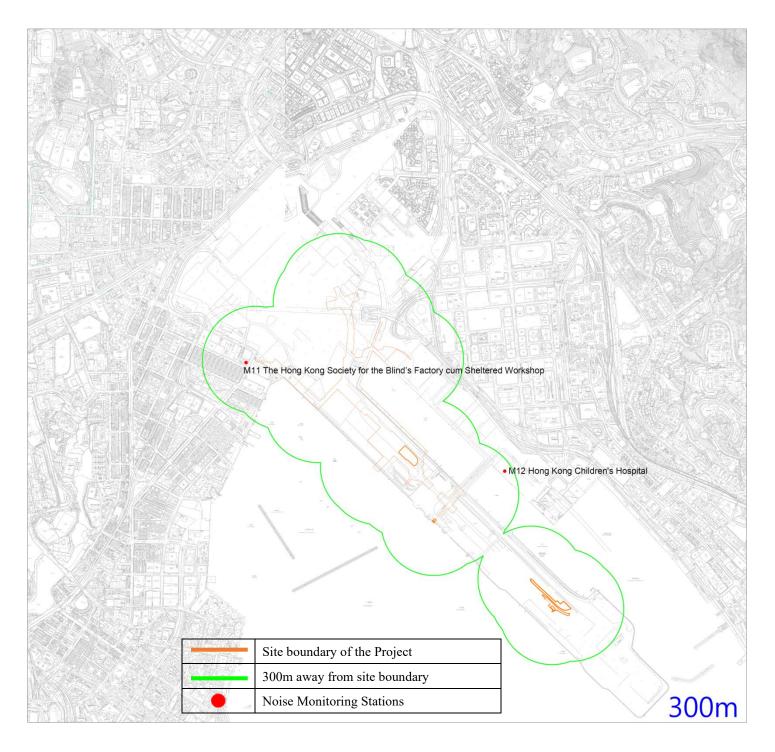
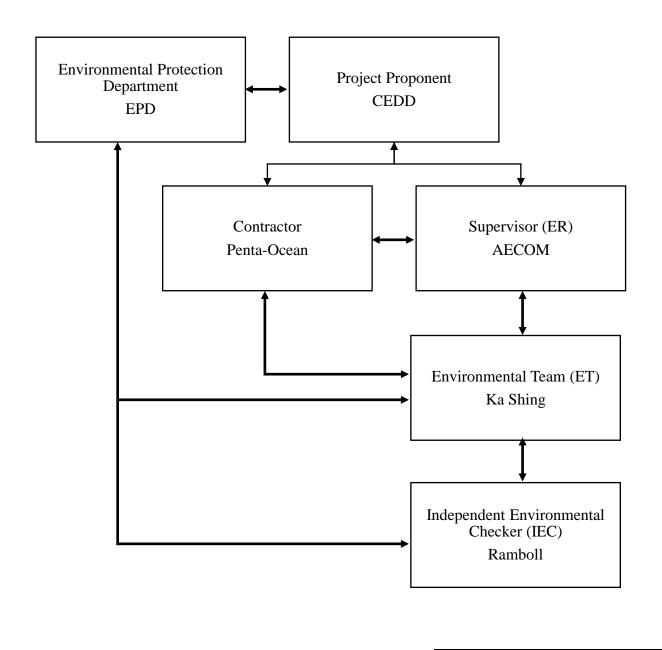
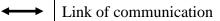


Figure 6 – Noise Monitoring Stations

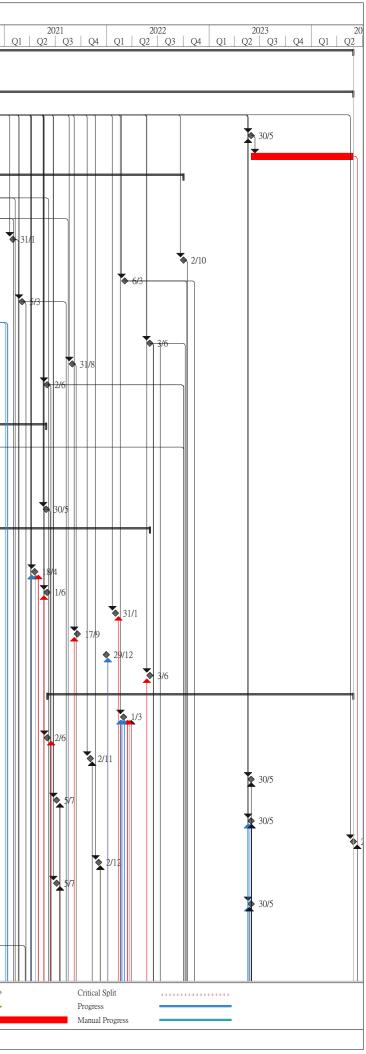
**Appendix A – Organization Chart of EM&A Team** 



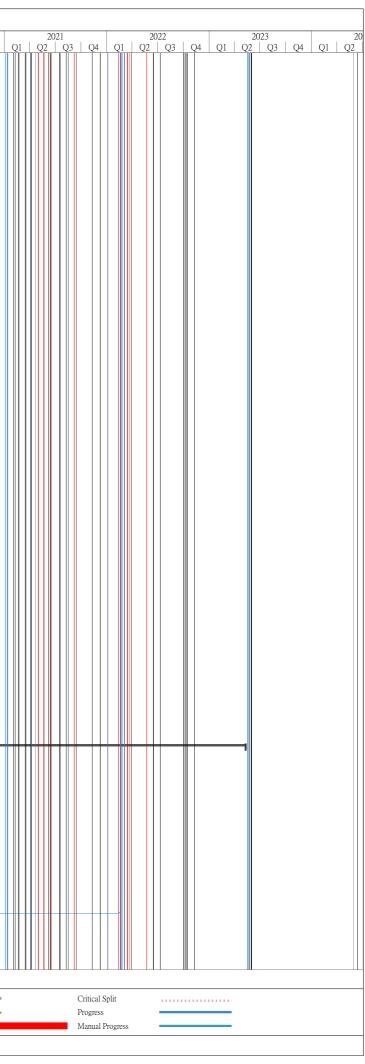


## **Appendix B – Construction Programme**

1.	m 1 Nt		A	D · ·	DI . 1 ~	P 1 0			2018/01 KT		T . T	m . 1	TD 1	D 1			
	Task Name		n Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start			Late Finish	Total Slack	TRA	Predecessors	202 Q2		
l	Project Dates	1841 da	ys 5.03 days	1835.97 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	0 days			_	
2	Contract Date	0 days	0 days	0 days	0%	Thu 16/5/19	Thu 16/5/19	Thu 16/5/19	Thu 16/5/19	Thu 16/5/19	Thu 16/5/19	0 days	0 days				
3	Date of Commencement & Completion (CDP1: Item 3)	1827 da	ys0 days	1827 days	0%	Thu 30/5/19	Wed 29/5/24	Thu 30/5/19	NA	Thu 30/5/19	Wed 29/5/24	0 days	0 days				
1	Starting Date (CDPart1: Item 3)	0 days	0 days	0 days	100%	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	0 days	0 days	2FS+14 days			
5	Completion Date	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	0 days	4FS+1461 days,			
j l	Establishment Work	365 day	s 0 days	365 days	0%	Wed 31/5/23	Wed 29/5/24	NA	NA	Wed 31/5/23	Wed 29/5/24	0 days	0 days	5			
7	Schedule of Access Dates (CDP1: Item 3[TA No.1)	1221 da	ys1221 days	0 days	0%	Thu 30/5/19	Sun 2/10/22	Thu 30/5/19	NA	Thu 30/5/19	Sun 2/10/22	0 days	0 days			+	_
8	Access Date - Part 1, 6A,6B,9A,9B	0 days	0 days	0 days	100%	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	0 days	0 days	4		╫┑	Γ
9	Access Date - Part 2A,2C	0 days	0 days	0 days	0%	Tue 2/6/20	Tue 2/6/20	NA	NA	Tue 2/6/20	Tue 2/6/20	0 days	0 days	4FS+369 days	2	<del>76</del>	┝
0	Access Date - Part 2B	0 days	0 days	0 days	0%	Sun 31/1/21	Sun 31/1/21	NA	NA	Sun 31/1/21	Sun 31/1/21	0 days	0 days	4FS+612 days			
1	Access Date - Part 2E	0 days	0 days	0 days	0%	Sun 2/10/22	Sun 2/10/22	NA	NA	Sun 2/10/22	Sun 2/10/22	0 days	0 days	4FS+1221 days			
2	Access Date - Part 3A	0 days	0 days	0 days	0%	Sun 6/3/22	Sun 6/3/22	NA	NA	Sun 6/3/22	Sun 6/3/22	0 days	0 days	4FS+1011 days			
3	Access Date - Part 3B,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			
4	Access Date - Part 3C,3D,3E,3G,3I	1 day	1 day	0 days	100%	Thu 31/10/19	Thu 31/10/19	Thu 31/10/19	Thu 31/10/19	Thu 31/10/19	Thu 31/10/19	0 days	0 days				Ļ
5	Access Date - Part 3F	0 days	0 days	0 days	0%	Fri 3/6/22	Fri 3/6/22	NA	NA	Fri 3/6/22	Fri 3/6/22	0 days	0 days	4FS+1100 days			
6	Access Date - Part 3H,7A,7B,8,9 (TA No.1)	0 days	0 days	0 days	0%	Tue 31/8/21	Tue 31/8/21	NA	NA	Tue 31/8/21	Tue 31/8/21	0 days	0 days	4FS+824 days			
7	Access Date - Part 10	0 days	0 days	0 days	0%	Wed 2/6/21	Wed 2/6/21	NA	NA	Wed 2/6/21	Wed 2/6/21	0 days	0 days	4FS+734 days			
8	Access Date - Area WA1	0 days	0 days	0 days	100%	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	Thu 30/5/19	0 days	0 days	4			
9	Schedule of Time for Ordering (CDP1: Item Cl.B5)	695 day	s 0 days	695 days	0%	Fri 5/7/19	Sun 30/5/21	Fri 5/7/19	NA	Fri 5/7/19	Sun 30/5/21	0 days	0 days			++	
0	Time for Ordering "Section Subject to Excision" - Section 4	0 days	0 days	0 days	0%	Tue 2/6/20	Tue 2/6/20	NA	NA	Tue 2/6/20	Tue 2/6/20	0 days	0 days	4FS+368 days	2	2/6	ļ
1	Time for Ordering "Section Subject to Excision" - Section 8	0 days	0 days	0 days	0%	Tue 2/6/20	Tue 2/6/20	NA	NA	Tue 2/6/20	Tue 2/6/20	0 days	0 days	4FS+368 days		2/6	
2	Time for Ordering "Section Subject to Excision" - Section 9	0 days	0 days	0 days	100%	Fri 5/7/19	Fri 5/7/19	Fri 5/7/19	Fri 5/7/19	Fri 5/7/19	Fri 5/7/19	0 days	0 days	4FS+35 days			
3	Time for Ordering "Section Subject to Excision" - Section 10	0 days		0 days	0%	Sun 30/5/21	Sun 30/5/21	NA	NA	Sun 30/5/21	Sun 30/5/21	0 days	0 days	4FS+730 days			
4	Schedule of Key Dates (CDP1: Item 3[TA No.1])		s 0 days	665 days	0%	Fri 7/8/20	Fri 3/6/22	NA	NA	Fri 7/8/20	Fri 3/6/22	0 days	0 days				Ļ
5	KD1	0 days	0 days	0 days	0%	Fri 7/8/20	Fri 7/8/20	NA	NA	Fri 7/8/20	Fri 7/8/20		0 days	4FS+435 days,70	.		7/9
6	KD2		0 days	0 days	0%	Sun 18/4/21	Sun 18/4/21		NA	Sun 18/4/21	Sun 18/4/21	0 days		4FS+689 days,70			ľ
7	KD3		0 days	0 days	0%		Tue 1/6/21			Tue 1/6/21		0 days		4FS+733 days,70			
8	KD4	0 days		0 days	0%	Mon 31/1/22	Mon 31/1/22		NA	Mon 31/1/22	Mon 31/1/22	0 days	0 days	4FS+977 days,70			
9	KD4 KD5		0 days	-	0%	Fri 17/9/21	Fri 17/9/21		NA	Fri 17/9/21	Fri 17/9/21	0 days		4FS+841 days,70			
)	KD6	0 days		0 days	0%	Wed 29/12/21	Wed 29/12/21			Wed 29/12/21	Wed 29/12/21		0 days	706,883			
		0 days	0 days	0 days					NA			0 days		4FS+1100 days,			
1	KD7	0 days	0 days	0 days	0%	Fri 3/6/22	Fri 3/6/22	NA	NA	Fri 3/6/22	Fri 3/6/22		0 days	4FS+1100 days,			
2	Schedule of Section Completion (CDP1 Cl. X5)		ys0 days	1092 days	0%	Wed 2/6/21	Wed 29/5/24		NA	Wed 2/6/21	Wed 29/5/24		0 days	177 4006 1			
3	Section Completion Date Section 1		0 days	0 days	0%	Tue 1/3/22	Tue 1/3/22	NA	NA	Tue 1/3/22	Tue 1/3/22	-13 days		4FS+1006 days,			
4	Section Completion Date Section 2	0 days	0 days	0 days	0%	Wed 2/6/21		NA	NA	Wed 2/6/21	Wed 2/6/21		0 days	4FS+734 days,69			
5	Section Completion Date Section 3	0 days	0 days	0 days	0%	Tue 2/11/21	Tue 2/11/21		NA	Tue 2/11/21	Tue 2/11/21	0 days	0 days	4FS+887 days,69			ĺ
5	Section Completion Date Section 4	0 days	0 days	0 days	0%	Tue 30/5/23	Tue 30/5/23		NA	Tue 30/5/23	Tue 30/5/23		0 days	4FS+1461 days,6			
7	Section Completion Date Section 5	0 days	0 days	0 days	0%	Mon 5/7/21	Mon 5/7/21	NA	NA	Mon 5/7/21	Mon 5/7/21	0 days	0 days	4FS+767 days,69			
8	Section Completion Date Section 6	0 days	0 days	0 days	0%	Tue 30/5/23	Tue 30/5/23		NA	Tue 30/5/23	Tue 30/5/23	0 days	0 days	4FS+1461 days,0			
9	Section Completion Date 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	4FS+1826 days,6			
)	Section Completion Date Section 8	0 days	0 days	0 days	0%	Thu 2/12/21	Thu 2/12/21	NA	NA	Thu 2/12/21	Thu 2/12/21	0 days	0 days	4FS+917 days,69			
	Section Completion Date Section 9	0 days	0 days	0 days	0%	Mon 5/7/21	Mon 5/7/21	NA	NA	Mon 5/7/21	Mon 5/7/21	0 days	0 days	4FS+767 days,69			
2	Section Completion Date Section 10	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	0 days	4FS+1461 days,			
-	Pre-meeting of ACABAS	77 days	0 days	77 days	0%	Mon 29/6/20	Mon 14/9/20	NA	NA	Mon 6/7/20	Mon 14/9/20	0 days				-++•	4
ŀ	Pre-meeting of ACABAS	0 days	0 days	0 days	0%	Mon 29/6/20	Mon 29/6/20	NA	NA	Thu 23/7/20	Thu 23/7/20	24 days			•	2916	1
	Task Force on Kai Tak Harbourfront Development Meeting	0 days	0 days	0 days	0%	Mon 6/7/20	Mon 6/7/20	NA	NA	Mon 6/7/20	Mon 6/7/20	0 days				6/7	
	Task	Summary		<b> </b>	Inactive N	vilestone 🔷		Duration-or	lv		Start-only		C	Fyte	mal Miles	stone	1
e∙ Re	ev. I I Prod with Prodress		nmarv		Inactive S				nmary Rollup 💼		Finish-only		3		lline		
	22-May-20	Project Su			g macuve a	Julillian		Manual Sur			1 mish only		-	Dea			



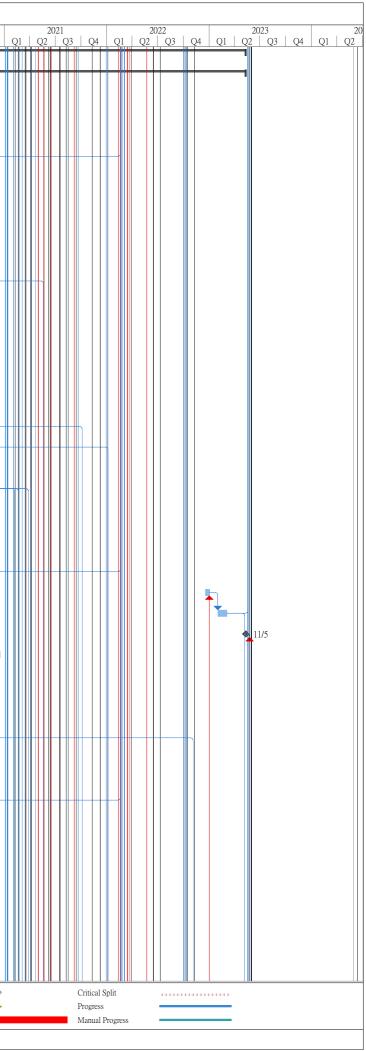
)	Task Name	Duration		Remaining	Physical %	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total	TRA	Predecessors	2	2020
46	District Council Consultation		Duration 0 days	Duration 0 days	Complete 0%	Mon 14/9/20	Mon 14/9/20	NA	NA	Mon 14/9/20	Mon 14/9/20	Slack 0 days			Q2	
40			-				Fri 28/2/20			Thu 20/2/20	Fri 28/2/20					
	Project Manager's Instruction	-	8 days	0 days	0%	Thu 20/2/20						0 days				
48	PMI No. 001 - BIM Promenade Walk-through Video for Infrastructure in Kai Tak Stage 4		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	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			V2	
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			26/2	
53	Early Warning	257 days	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				
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				
58	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				
60	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				
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				
62	EW No. 010: Existing 150mm Fresh Water Pipe clashing with Bridge D3 and South Approach Ramp	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				
63	EW No. 01: Additional Requirement for Special Arrangement for Design and Constructioon 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				
64	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			V2	
65	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	
67	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	
69			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	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	100%	Mon 16/3/20		Mon 16/3/20			Mon 16/3/20	0 days			16/3	
71	Proposed Disposed Ground EW No. 025: Broken Steel Casing for Bored Pile P02-BP2		0 days	0 days	100%	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	-	14 days	0%	Thu 28/5/20	Thu 11/6/20		NA	Tue 9/6/20	Tue 7/7/20	12 days				
72	Compensation Event (CNCE) No. 009 - Inclement Weather in April 2020	0 days	-	0 days	0%	Thu 28/5/20	Thu 11/0/20 Thu 28/5/20		NA	Tue 7/7/20	Tue 7/7/20	40 days				28
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				•
75	Project Submission	1457 day	401.03 days	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	71 days	0 days	100%	Tue 18/6/19	Tue 27/8/19	Tue 18/6/19	Tue 27/8/19	Tue 18/6/19	Tue 27/8/19	0 days	0 days	4		
77	Works Programme	-	160 days	0 days	0%	Thu 16/5/19	Tue 22/10/19	Thu 16/5/19	Thu 15/8/19	Thu 16/5/19	Tue 22/10/19	0 days				
78	Submit First Programme	20 days	-	0 days	100%	Thu 16/5/19	Tue 4/6/19	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	Wed 5/6/19	Thu 13/6/19	0 days	0 days	78		
80	Revise and Resubmission of Works Programme	42 days		0 days	100%	Fri 14/6/19		Fri 14/6/19	Thu 25/7/19		Thu 25/7/19	0 days	0 days	79		
81	Final Review and Acceptance of the First Programme by Project Manager	20 days	_	0 days	100%	Sat 27/7/19	Thu 25/7/19 Thu 15/8/19	Sat 27/7/19	Thu 15/8/19		Thu 15/8/19	0 days	0 days	80		
82	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	0.5 day	4		
82	Submit Hearth and Sarety Management Plan (ACC CL Do(2)) Submit Detailed Programme for Safety Risk (ER Part 7, CL 7.3.4)	o days 34 days	-	0 days	100%	Mon 9/12/19	Sat 11/1/20	Mon 9/12/19			Sat 11/1/20	0 days	0.5 day	4		
														4		
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	0 days	0.5 day	4		
85	Submit BIM Models Deliverables	262 days	262 days	0 days	0%	Tue 13/8/19	Thu 30/4/20	Tue 13/8/19	Thu 30/4/20	Tue 13/8/19	Thu 30/4/20	0 days				
	Task	Summary			Inactive N	filestone 🔷		Duration-on	ly		Start-only		C	F	xternal Mi	iles
	ev. I I Prod with Prodress	Project Sum	mary [		Inactive S				nmary Rollup 💼		Finish-only		3		eadline	
us UI 4	Milestone	nactive Tas	k		Manual T	aala		Manual Sun			External Tasl	-		(	ritical	



Ta	sk Name			Duration	Actual	Remaining	Physical %	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total	TRA	Predecessors	20	)20
					Duration	Duration	Complete							Slack		Fieuecessors	Q2	
86	Existing Site Model (Topography)			46 days	-	0 days	100%	Tue 13/8/19	Fri 27/9/19		Fri 27/9/19		Fri 27/9/19	0 days	1 day			
87	Existing Underground Utilities (UU			33 days	-	0 days	100%	Mon 26/8/19	Fri 27/9/19	Mon 26/8/19			Fri 27/9/19	0 days	1 day			
88	3D Digital Survey For Existing Co	nditions		44 days	-	0 days	100%	Mon 2/9/19			Tue 15/10/19		Tue 15/10/19	0 days	1 day			
89	3D Photogrametry Model			46 days		0 days	100%	Mon 16/9/19		Mon 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	Mon 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 31/10/19	Thu 31/10/19	0 days	1 day			
93	4D Model Linked Up with Program	nme		0 days	0 days	0 days	100%	Thu 30/4/20	Thu 30/4/20	Thu 30/4/20	Thu 30/4/20	Thu 30/4/20	Thu 30/4/20	0 days	1 day		<b>♦</b> 30	/4
94	Construction Method Simulation (	CMS) in 3D Model		0 days	0 days	0 days	100%	Wed 22/4/20	Wed 22/4/20	Wed 22/4/20	Wed 22/4/20	Wed 22/4/20	Wed 22/4/20	0 days	1 day		♦ 22/4	4
95	BIM Deliverables Schedule			896 days	3.72 days	892.28 days	0%	Thu 16/5/19	Wed 27/10/21	Thu 16/5/19	NA	Thu 16/5/19	Tue 11/1/22	76 days				
96	Establish BIM Team			0 days	0 days	0 days	100%	Sat 3/8/19	Sat 3/8/19	Sat 3/8/19	Sat 3/8/19	Sat 3/8/19	Sat 3/8/19	0 days	1 day			
97	BIM Execution Plan			0 days	0 days	0 days	100%	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	0 days	1 day			
98	BIM Submission Schedule			0 days	0 days	0 days	100%	Fri 16/8/19	Fri 16/8/19	Fri 16/8/19	Fri 16/8/19	Fri 16/8/19	Fri 16/8/19	0 days	1 day			
99	BIM 360 License			0 days	0 days	0 days	100%	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	0 days	1 day			
00	BIM/Drawing Management Softwa	ire System		0 days	0 days	0 days	100%	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	Sat 31/8/19	0 days	1 day			
01	CDE Setup			1 day	1 day	0 days	100%	Sat 31/8/19	Mon 9/9/19	Sat 31/8/19	Mon 9/9/19	Sat 31/8/19	Mon 9/9/19	0 days	1 day		-	
02	Clash Report Format			-	0 days	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			
03	Monthly Report Format			-	0 days	0 days	100%	Thu 12/9/19		Thu 12/9/19			Thu 12/9/19		1 day			
04	Quality Assurance Plan for BIM				0 days	0 days	100%	Mon 30/9/19		Mon 30/9/19			Mon 30/9/19	0 days	1 day		_	
05	BIM Training Plan				0 days	0 days	100%	Thu 10/10/19		Thu 10/10/19			Thu 10/10/19	0 days	1 day			
06	BIM Training Schedule for CIC Tr	aining		-	0 days	0 days	100%	Mon 30/9/19		Mon 30/9/19			Mon 30/9/19		1 day			
07	Monthly BIM Progress Report	annig			-	0 days	100%	Thu 16/5/19					Tue 31/12/19		1 day			
					0 days	-				Thu 16/5/19				0 days			_	
08	Monthly Clash Report				1 day	0 days	100%	Tue 31/3/20		Tue 31/3/20			Tue 31/3/20		1 day			
.09	BIM Object Libraries			-	1 day	0 days	100%	Thu 12/9/19		Thu 12/9/19			Thu 12/9/19		1 day			
10	Trees Preservation and Removal Pr Submission			-	0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20		NA	Sun 17/1/21	Sun 17/1/21	63 days				
11	Trees Preservation and Removal Preservation Comment & Approval	oposal (TPRP) for tress by Relevant Governmer	along promenade open space nt Authories	e 360 days	0 days	360 days	0%	Mon 2/11/20	Wed 27/10/21	NA	NA	Sun 17/1/21	Tue 11/1/22	76 days	1 day	110		
12	Trees Preservation and Removal Pr	roposal (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 30/9/20	Wed 30/9/20	52 days	1 day			<ul> <li>♣ 31.</li> </ul>
13	Trees Preservation and Removal Pr Submission Comment & Approval	oposal (TPRP) for tress	along Sing Kai Road	360 days	0 days	360 days	0%	Fri 31/7/20	Sun 25/7/21	NA	NA	Wed 30/9/20	Fri 24/9/21	61 days	1 day	112		
	Submission Comment & Approval	by Relevant Governmer	nt Authories															
14	Temporary Traffic Management			478 days	447.84 days	30.16 days	0%	Thu 30/5/19	Fri 18/9/20	Thu 30/5/19	NA	Thu 30/5/19	Fri 25/9/20	7 days				
15	Submit Traffic Engineering Consu	tant and TTM Team Lea	ader (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 30/5/19	Wed 12/6/19	0 days	1 day	4		
16	Submit EP Mgt System Co-ordinat	or (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 30/5/19	Wed 5/6/19	0 days	1 day	4		
17	Approve of EP Co-ordinator by Pro-	oject Manager (PS Cl. 1.	18N(2))	14 days	14 days	0 days	100%	Thu 6/6/19	Wed 19/6/19	Thu 6/6/19	Wed 19/6/19	Thu 6/6/19	Wed 19/6/19	0 days	1 day	116		
18	Submit UU detection equipment for	r Supervisor approval (F	PS Cl. 1.25A(1))	7 days	7 days	0 days	100%	Thu 30/5/19	Wed 5/6/19	Thu 30/5/19	Wed 5/6/19	Thu 30/5/19	Wed 5/6/19	0 days	1 day	4		
19	Submit & obtain approval: site offi submission + 14d approval)	ce's location and layout	plan (PS Cl. 1.45(11)) (7d	47 days	47 days	0 days	100%	Thu 30/5/19	Fri 18/10/19	Thu 30/5/19	Fri 18/10/19	Thu 30/5/19	Fri 18/10/19	0 days	1 day	4		
20	Submit Site survey record (PS Cl.1	.47(7))		34 days	34 days	0 days	100%	Thu 30/5/19	Tue 2/7/19	Thu 30/5/19	Tue 2/7/19	Thu 30/5/19	Tue 2/7/19	0 days	1 day	4		
21	Submit & obtain approval: fencing	& hoarding plan (PS Cl	. 1.48(10)	40 days	0 days	40 days	0%	Mon 10/8/20	Fri 18/9/20	NA	NA	Mon 17/8/20	Fri 25/9/20	7 days	0.5 days	4		-
22	Submit site facilities (PS Cl. 1.50S	)		65 days	65 days	0 days	100%	Thu 30/5/19	Fri 2/8/19	Thu 30/5/19	Fri 2/8/19	Thu 30/5/19	Fri 2/8/19	0 days	0.5 days	4		
23	Submit security system (PS Cl. 1.5	3A(5))		36 days	36 days	0 days	100%	Thu 30/5/19	Thu 4/7/19	Thu 30/5/19	Thu 4/7/19	Thu 30/5/19	Thu 4/7/19	0 days	0.5 days	4		
24	Submit Interface Management Plar			47 days	-	0 days	100%	Thu 30/5/19	Mon 15/7/19	Thu 30/5/19	Mon 15/7/19		Mon 15/7/19	0 days	0.5 days		_	
15	Submit Subcontractor Managemen			13 days		0 days	100%	Thu 30/5/19		Thu 30/5/19			Tue 11/6/19	0 days	0.5 days			
.5	Submit Temporary Drainage and S		$ an(PS(C)  + 24\Delta(1)) $		174 days	0 days	100%	Thu 30/5/19 Thu 30/5/19		Thu 30/5/19			Tue 19/11/19	0 days	1 day	4		
			aar (10 Cr. 1.2473(1))													7		
27	Submit EM&A Manual (ER Part 8	, ,		6 days	-	0 days	100%	Thu 30/5/19	Tue 4/6/19		Tue 4/6/19		Tue 4/6/19	-	0 days	4		
28	Submit Proposal of selection of sup		enais (ACC CI. CII(I)	80 days		0 days	100%	Thu 30/5/19	Sat 17/8/19		Sat 17/8/19		Sat 17/8/19	0 days	0 days	4		
29	Submit Contractor's Management	feam (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 30/5/19	Thu 18/7/19	0 days	0 days	4		
le: Rev	.11 Prog with Progress	Task		Summary			Inactive N			Duration-on			Start-only		C		ternal Mile	estone
	-May-20	Split		Project Sum	mary		Inactive S	Summary 🛛		Manual Sun	nmary Rollup 🗧		Finish-only		3	De	eadline	

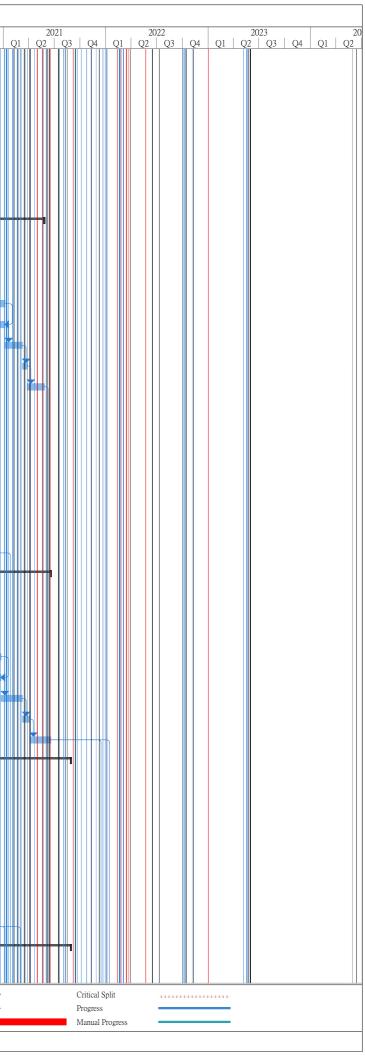
2021	2022	2023 20
2021 Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4 Q1 Q2	2025 20 Q3 Q4 Q1 Q2
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) [	Task Name	Duration A	ctual	Remaining	Physical %	Early Start		Actual Start			Late Finish	Total	TRA	Predecessors	20	)20
		D	Duration	Duration	Complete							Slack	IKA	r ieuecessois		Q3
30	Permanent Works Design Submission		-	1083.92 days	0%	Thu 16/5/19		Thu 16/5/19		Thu 16/5/19	Thu 11/5/23	0 days				
31	General Design Submission			487.54 days	0%	Thu 30/5/19		Thu 30/5/19		Thu 30/5/19	Thu 11/5/23	0 days		4		
2	Project Design Plan (Draft)	16 days 10	-	0 days	100%	Thu 30/5/19		Thu 30/5/19		Thu 30/5/19	Fri 14/6/19	0 days	1 day	4		
3	Project Design Plan (Draft) Comment by PM	14 days 14	4 days	0 days	100%	Sat 15/6/19	Fri 28/6/19			Sat 15/6/19	Fri 28/6/19	0 days	1 day			
34	Address Comments	120 days 6	-	54 days	55%	Tue 2/7/19	Wed 15/7/20	Tue 2/7/19	NA	Tue 2/7/19	Thu 11/5/23	1030 d	1 days	132	•••	
35	Project Design Plan (Final)	54 days 54	4 days	0 days	100%	Thu 5/9/19	Tue 29/10/19	Thu 5/9/19	Tue 29/10/19	Thu 5/9/19	Tue 29/10/19	0 days	1 days	134		
36	Design Memorandum (include E&M Provision) (Draft)	26 days 20	6 days	0 days	100%	Tue 4/6/19	Sat 29/6/19	Tue 4/6/19	Sat 29/6/19	Tue 4/6/19	Sat 29/6/19	0 days	1 days	132		
37	Address Comments	15 days 11	5 days	0 days	100%	Thu 1/8/19	Thu 15/8/19	Thu 1/8/19	Thu 15/8/19	Thu 1/8/19	Thu 15/8/19	0 days	1 days	136		
138	Design Memorandum Include E&M Provision (Final)	59 days 59	9 days	0 days	100%	Tue 23/7/19	Sun 17/11/19	Tue 23/7/19	Sun 17/11/19	Tue 23/7/19	Sun 17/11/19	0 days	1 days	137		
139	Traffic Impact Assessment(Draft)	62 days 62	2 days	0 days	100%	Wed 18/9/19	Mon 18/11/19	Wed 18/9/19	Mon 18/11/	Wed 18/9/19	Mon 18/11/19	0 days	1 day	4		
140	Address Comments	16 days 10	6 days	0 days	100%	Mon 18/11/19	Wed 4/12/19	Mon 18/11/19	Wed 4/12/19	Mon 18/11/19	Wed 4/12/19	0 days	0.5 days	139		
141	Traffic Impact Assessment(Final)	30 days 0	days	30 days	0%	Mon 3/8/20	Tue 1/9/20	NA	NA	Sat 24/4/21	Sun 23/5/21	264 days	0.5 days	140		
142	ACABAS (Draft)	69 days 69	9 days	0 days	100%	Thu 30/5/19	Tue 6/8/19	Thu 30/5/19	Tue 6/8/19	Thu 30/5/19	Tue 6/8/19	0 days	2 days	4		
143	Address Committee's comments	30 days 30	0 days	0 days	100%	Wed 7/8/19	Thu 5/9/19	Wed 7/8/19	Thu 5/9/19	Wed 7/8/19	Thu 5/9/19	0 days	2 days	142		
144	ACABAS Re-submission Preparation & Submission	61 days 6	1 days	0 days	100%	Fri 6/9/19	Tue 5/11/19	Fri 6/9/19	Tue 5/11/19	Fri 6/9/19	Tue 5/11/19	0 days	2 days	143		
145	ACABAS Submission Approved	63 days 6	3 days	0 days	100%	Wed 6/11/19	Tue 7/1/20	Wed 6/11/19	Tue 7/1/20	Wed 6/11/19	Tue 7/1/20	0 days	2 days	144		
146	VCAB and DAP Submission	22 days 22	2 days	0 days	100%	Mon 10/2/20	Mon 2/3/20	Mon 10/2/20	Mon 2/3/20	Mon 10/2/20	Mon 2/3/20	0 days	2 days	4		
147	Comment by PM and Relevant Authorities	21 days 2		0 days	100%	Tue 3/3/20		Tue 3/3/20	Mon 23/3/20		Mon 23/3/20	0 days	2 days	146		
148	Stage 1: VCAB and DAP Submission	50 days 0	-	50 days	0%	Fri 12/6/20		NA		Sat 4/7/20	Sat 22/8/20	22 days	-	147,44FF+21 da		
149	Comment by PM and Relevant Authorities	50 days 0		50 days	0%	Sat 1/8/20		NA		Sun 23/8/20	Sun 11/10/20	22 days		148		
50	Stage 2: VCAB and DAP Submission	30 days 0	-	30 days	0%	Sun 20/9/20	Mon 19/10/20		NA	Fri 13/11/20	Sat 12/12/20	54 days	2 0495	140		
				-	0%			NA		Sun 13/12/20				149		
151	Comment by PM and Relevant Authorities	50 days 0	-	50 days		Tue 20/10/20					Sun 31/1/21	54 days	0.1	150		
152	Draft Utility Report Submission	19 days 19		0 days	100%	Mon 2/9/19			Fri 20/9/19		Fri 20/9/19		2 days			
153	Draft Utility Report Comment & Approval	17 days 1'		0 days	100%	Sat 21/9/19	Mon 7/10/19		Mon 7/10/19		Mon 7/10/19		2 days			
54	Final Utility Report Submission	52 days 52		0 days	100%	Mon 2/12/19	Wed 22/1/20		Wed 22/1/20		Wed 22/1/20		2 days			
55	Final Utility Report Submission Comment & Approval	38 days 0	-	38 days	0%	Thu 30/1/20	Mon 29/6/20			Thu 30/1/20	Tue 1/3/22	610 days		154		
56	Operational and Maintenace Manual (Draft) Submission	14 days 0	days	14 days	0%	Mon 19/12/22	Sun 1/1/23	NA	NA	Sat 25/2/23	Fri 10/3/23	68 days	2 days	1556		
157	Operational and Maintenace Manual (Final) Submission	32 days 0	days	32 days	0%	Wed 1/2/23	Sat 4/3/23	NA	NA	Mon 10/4/23	Thu 11/5/23	68 days	2 days	156FS+30 days		
158	As-built and As-fabrication Drawing Submission	0 days 0	days	0 days	0%	Thu 11/5/23	Thu 11/5/23	NA	NA	Thu 11/5/23	Thu 11/5/23	0 days	2 days	1558		
159	Site Investigation	561 days 10	67.98 days	393.02 days	0%	Sat 1/6/19	Sat 12/12/20	Sat 1/6/19	NA	Sat 1/6/19	Tue 1/3/22	444 days	;		+	
160	Ground Investigation Proposal (Draft)	56 days 50	6 days	0 days	100%	Sat 1/6/19	Fri 26/7/19	Sat 1/6/19	Fri 26/7/19	Sat 1/6/19	Fri 26/7/19	0 days	1 days	4		
161	Submit & endorse by Gov. Depts and PM	6 days 6	days	0 days	100%	Sat 27/7/19	Thu 1/8/19	Sat 27/7/19	Thu 1/8/19	Sat 27/7/19	Thu 1/8/19	0 days	1 days	160		
162	Ground Investigation Proposal (Final)	30 days 0	days	30 days	0%	Tue 1/9/20	Wed 30/9/20	NA	NA	Mon 20/12/21	Tue 18/1/22	475 days	a 1 days	161		
163	Submit and endorse by Gov. Depts and PM	14 days 0	days	14 days	0%	Thu 1/10/20	Wed 14/10/20	NA	NA	Wed 19/1/22	Tue 1/2/22	475 days	1 days	162		
164	Supervise the SI Carry Out on Site	199 days 44	4 days	155 days	22%	Sat 10/8/19	Sat 24/10/20	Sat 10/8/19	NA	Sat 10/8/19	Tue 11/1/22	444 days	4 days	161		
165	Submit SI Report(Draft) for Comment	21 days 0	days	21 days	0%	Sun 25/10/20	Sat 14/11/20	NA	NA	Wed 12/1/22	Tue 1/2/22	444 days	1 days	164		
166	Submit and endorse SI Report(Final) by Project Manager	28 days 0	days	28 days	0%	Sun 15/11/20	Sat 12/12/20	NA	NA	Wed 2/2/22	Tue 1/3/22	444 days	1 days	165,163		
167	Lifts (LT3 & LT4), Staircase and Associated Works (Structure)	431 days 10	65.12 days	265.88 days	0%	Thu 12/9/19	Sun 15/11/20	Thu 12/9/19	NA	Thu 12/9/19	Thu 3/12/20	18 days			_	
168	Prepare AIP Submission with E&M provision (Draft)	75 days 75	5 days	0 days	100%	Thu 12/9/19	Mon 25/11/19	Thu 12/9/19	Mon 25/11/	Thu 12/9/19	Mon 25/11/19	0 days	3 days			
169	Submit & endorse by PM and Statutory Authorities/Gov. Dept	21 days 2		0 days	100%	Tue 26/11/19	Mon 16/12/19	Tue 26/11/19	Mon	Tue 26/11/19	Mon 16/12/19	0 days	0.5 days	168		
170	Submit & endorse by Statutory Authorities/Gov. Dept	22 days 22		0 days	100%	Fri 28/2/20		Fri 28/2/20	16/12/19	Fri 28/2/20	Fri 20/3/20		2 days	168		
71	Prepare AIP and ICE certification (Final)	25 days 0		25 days	0%	Mon 29/6/20	Thu 23/7/20			Fri 10/7/20	Mon 3/8/20	11 days		168,169,170,44F		
.72	Prepare DDA and ICE certification (Draft)	50 days 0	-	50 days	0%	Thu 4/6/20	Thu 23/7/20			Mon 15/6/20	Mon 3/8/20	11 days		168,171FF	Ļ	
	Submit & endorse by PM and Statutory Authorities/Gov. Dept				0%			NA		Tue 4/8/20	Tue 22/9/20			172		
173		50 days 0		50 days		Fri 24/7/20						11 days				
174	Prepare DDA for and ICE certification (Final)	15 days 0	uays	15 days	0%	Sat 12/9/20	Sat 26/9/20	NA	NA	Wed 30/9/20	Wed 14/10/20	18 days	1 days	173,145FF,171F		
itle: Re	ev.11 Prog with Progress	Summary	I		Inactive M			Duration-on	-		Start-only		C		nal Mil	lesto
		Project Summa Inactive Task	ary [		Inactive Si Manual Ta			<ul> <li>Manual Surr</li> <li>Manual Surr</li> </ul>			<ul> <li>Finish-only</li> <li>External Task</li> </ul>	s	3	Dead		
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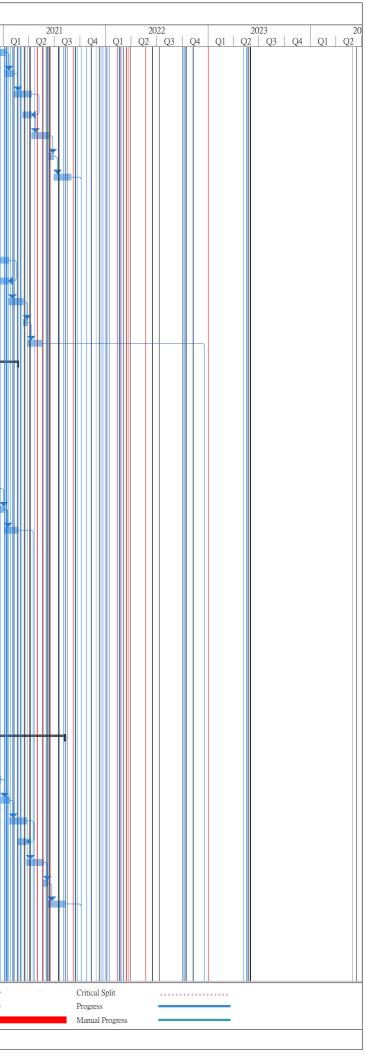


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1			Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	Q2	
175	Submit & endorse by PM and S	tatutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Sun 27/9/20	Sun 15/11/20	NA	NA	Thu 15/10/20	Thu 3/12/20	18 days	3 days	174		
76	Noise barrier fronting to 4B5 at Rd	D3A & Bus Lay By (Section 5&9)	338 days	215.23 days	122.77 days	0%	Mon 4/11/19	Tue 6/10/20	Mon 4/11/19	NA	Mon 4/11/19	Wed 7/10/20	1 day				#
177	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			
178	Submit & endorse by PM and S	tatutory 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	┢	
179	Prepare AIP and ICE certification	on (Final)	56 days	31 days	25 days	55%	Wed 22/4/20	Tue 16/6/20	Wed 22/4/20	NA	Wed 22/4/20	Wed 17/6/20	1 day		178FF+21 days		
180	Prepare DDA Subm (Draft)		18 days	18 days	0 days	100%	Wed 1/4/20	Sat 18/4/20	Wed 1/4/20	Sat 18/4/20	Wed 1/4/20	Sat 18/4/20	0 days	0.5 days			
181	Submit & endorse by PM		55 days	35 days	20 days	64%	Sat 18/4/20	Thu 11/6/20	Sat 18/4/20	NA	Sat 18/4/20	Thu 6/8/20	56 days		180		
182	Submit & endorse by Statutory	Authorities/Gov Dent	50 days	-	50 days	0%	Wed 17/6/20		NA	NA	Thu 18/6/20	Thu 6/8/20	1 day		180,179		
183		ication (Final) (Original Contract Scope)	12 days		12 days	0%	Thu 6/8/20	Mon 17/8/20		NA	Fri 7/8/20	Tue 18/8/20	1 day	1 days	181,182		
	-			-													
184	Submit & endorse by PM and S	tatutory Authorities/Gov. Dept	50 days	-	50 days	0%	Tue 18/8/20	Tue 6/10/20		NA	Wed 19/8/20	Wed 7/10/20	1 day	1 days	183		
185	Decking for Underpass (Rd L14)		304 days	0 days	304 days	0%	Mon 20/7/20	Wed 19/5/21	NA	NA	Fri 31/7/20	Sun 30/5/21	11 days				ľ
186	Structure Prepare AIP and ICE	certification (Draft)	25 days	0 days	25 days	0%	Mon 20/7/20	Thu 13/8/20	NA	NA	Fri 31/7/20	Mon 24/8/20	11 days	3 days	44FF+12 days		
187	Submit & endorse by PM and S	tatutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Fri 14/8/20	Fri 2/10/20	NA	NA	Tue 25/8/20	Tue 13/10/20	11 days	0.5 days	186		
188	Prepare AIP and ICE certification	on (Final)	15 days	0 days	15 days	0%	Sat 3/10/20	Sat 17/10/20	NA	NA	Wed 14/10/20	Wed 28/10/20	11 days	1 day	186,187		
189	Prepare DDA and ICE certification	ion (Draft)	89 days	0 days	89 days	0%	Sun 18/10/20	Thu 14/1/21	NA	NA	Thu 29/10/20	Mon 25/1/21	11 days	1 day	186,188		
190	Submit & endorse by PM and S	tatutory 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		
191	Prepare DDA and ICE certificat	ion (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		
192	Submit & endorse by PM and S	tatutory 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		
193	Road D3 Bridge & Approach Ram	DS	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		Щ
194	D3 Bridge Substructure			358.08 days		0%	Thu 30/5/19	Mon 10/8/20	Thu 30/5/19		Thu 30/5/19	Thu 8/10/20	59 days				
195	Prepare AIP and ICE certific	ration (Draft)	66 days	-	0 days	100%	Thu 30/5/19	Sat 3/8/19	Thu 30/5/19		Thu 30/5/19	Sat 3/8/19		3 days	4		
	-														105 120		
196	-	d Statutory Authorities/Gov. Dept	15 days	-	0 days	100%	Mon 5/8/19		Mon 5/8/19	Mon 19/8/19		Mon 19/8/19	0 days	1 days	195,138		
197	Prepare AIP and ICE certific		30 days	-	0 days	100%	Mon 23/12/19		Mon 23/12/19			Tue 21/1/20	0 days	0 days	195,196		
198	Prepare DDA and ICE certif	ication (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		
199	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		
200	Submit & endorse by Statute	ory 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		
201	Prepare DDA for and ICE co (Contractor Bear DDA Appr	rtification (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		
202		d 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		1
203	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				₩
204	Prepare AIP and ICE certification	on (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			
205	Submit & endorse by PM and S	tatutory 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		
206	Prepare AIP and ICE certification	on (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	0 days	3 days	205		
207	Prepare DDA and ICE certificat	ion (Draft)	222 days	222 days	0 days	100%	Fri 19/7/19	Tue 25/2/20	Fri 19/7/19	Tue 25/2/20	Fri 19/7/19	Tue 25/2/20	0 days	3 days	205		
208	Submit & endorse by PM		23 days	-	0 days	100%	Wed 26/2/20	Thu 19/3/20	Wed 26/2/20			Thu 19/3/20	-	2 days	207		
200	Submit & endorse by Statutory	Authoritics/Corr Dont	50 days		50 days	0%	Mon 29/6/20	Mon 17/8/20		NA	Thu 16/7/20	Thu 3/9/20	17 days		207,206FF+12 c		
		-	-	-													
210	Prepare DDA for and ICE certif		21 days		21 days	0%	Tue 18/8/20	Mon 7/9/20		NA	Fri 4/9/20	Thu 24/9/20	17 days		208,206,209		
211	Submit & endorse by PM and S		50 days	-	50 days	0%	Tue 8/9/20	Tue 27/10/20		NA	Fri 25/9/20	Fri 13/11/20	17 days		210		
212	Prepare AIP (E&M works) and	ICE certification (Draft)	32 days	-	32 days	0%	Thu 2/7/20	Sun 2/8/20	NA	NA	Thu 27/8/20	Sun 27/9/20	56 days	2 days			
213	Submit & endorse by PM and S	tatutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Mon 3/8/20	Sat 3/10/20	NA	NA	Mon 28/9/20	Sat 28/11/20	56 days	2 days	212		
214	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	Sun 29/11/20	Wed 30/12/20	56 days	2 days	213		
215	Submit & endorse by PM and S	tatutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Thu 5/11/20	Tue 5/1/21	NA	NA	Thu 31/12/20	Tue 2/3/21	56 days	2 days	214		
216	Prepare DDA (E&M works) and	l 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	2 days	215FF		
217	Submit & endorse by PM and S	tatutory 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		
218	Prepare DDA (E&M works) and	l 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		
219	Submit & endorse by PM and S		62 days	-	62 days	0%	Fri 26/3/21	Wed 26/5/21		NA	Fri 21/5/21	Wed 21/7/21	56 days		218		
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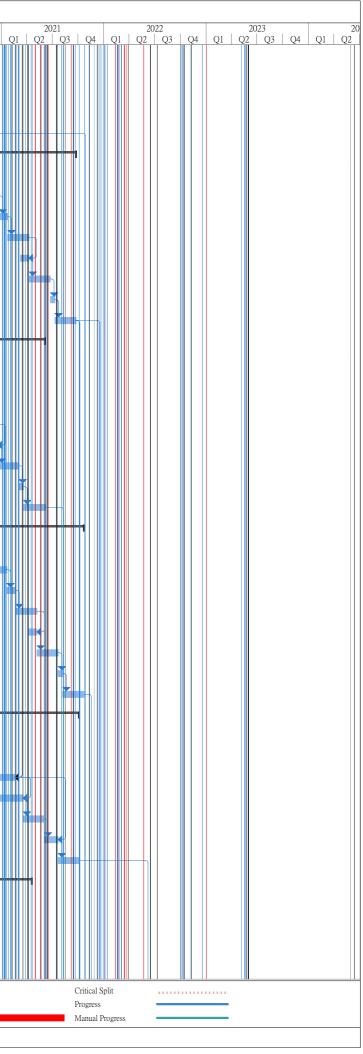
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	'ask Name		Duration	Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start			Late Finish	Total Slack	TRA	Predecessors		2020 Q3	
20	D3 North Approach Ramp (Structur			348.95 days		0%	Mon 3/6/19	Sat 4/7/20		NA	Mon 3/6/19	Thu 8/10/20	96 days				<b>•</b>	
221	Prepare AIP and ICE certificatio		51 days		0 days	100%	Mon 3/6/19	Tue 23/7/19		Tue 23/7/19		Tue 23/7/19		3 days	4			
222	Submit & endorse by PM and St	atutory 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			
223	Prepare AIP and ICE certificatio	n (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			
224	Prepare DDA (Draft) with ICE c	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			
25	Submit & endorse by PM/Statuto	ory 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			
26	Prepare DDA for and ICE certifi	ication (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			
27	Submit & endorse by PM/Statuto	ory 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	1	┋	₽
28	D3 North Approach Ramp (E&M W	Vorks)	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			-	┢┿┿╋	╉
9	Prepare AIP (E&M works) and I	CE 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		-		
30	Submit & endorse by PM and St	atutory 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	-		
1	Prepare AIP (E&M works) and I	CE 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 St	atutory Authorities/Gov. Dept	62 days	0 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		32 days		32 days	0%	Sat 5/12/20		NA	NA	Sun 2/5/21	Wed 2/6/21	148 days		232FF	-		
1	Submit & endorse by PM and St		62 days		62 days	0%	Wed 6/1/21		NA	NA	Thu 3/6/21	Tue 3/8/21	148 days		233	-		
5	Prepare DDA (E&M works) and		17 days	-	17 days	0%	Tue 9/3/21	Thu 25/3/21		NA	Wed 4/8/21	Fri 20/8/21	148 days		233	-		
5	Submit & endorse by PM and St		62 days		62 days	0%	Fri 26/3/21	Wed 26/5/21		NA	Sat 21/8/21	Thu 21/10/21	148 days		234	_		
,	D3 South Approach Ramp	aaaory munomico/00%. Dept		322.64 days	-	0%	Thu 30/5/19			NA	Thu 30/5/19	Tue 16/2/21	122 days		233			
	Prepare AIP and ICE certificatio	n (Draft)	96 days	_	0 days	100%	Thu 30/5/19 Thu 30/5/19	Mon 2/9/19		NA Mon 2/9/19		Mon 2/9/19						
3	_				-								0 days		220			
	Submit & endorse by PM and St	atutory Authorities/Gov. Dept	35 days		0 days	100%	Wed 25/9/19		Wed 25/9/19			Tue 29/10/19		1 day	238			
	Prepare AIP Submission (Final)		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		1 day	238,239			
	Prepare DDA and ICE certificati		50 days	-	0 days	100%	Wed 1/4/20	Wed 20/5/20	Wed 1/4/20	Wed 20/5/20		Wed 20/5/20		5 days	240FF+15 days			
2	Submit & endorse by PM and St	atutory 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 certifi	ication (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	1		1
	Submit & endorse by PM and St	atutory 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			í
	D3 South Approach Ramp (E&M W	Vorks)	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					1
5	Prepare AIP (E&M works) and I	CE 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			4	
	Submit & endorse by PM and St	atutory 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			ŀ
	Prepare AIP (E&M works) and I	CE 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	-	-        i	Ì
)	Submit & endorse by PM and St	atutory 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	-		
)	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	-		
	Submit & endorse by PM and St	atutory 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 St	atutory 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	-		
	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				┥╫╫┠╴	-
5	Underpass (Structure)			320.41 days	-	0%	Thu 30/5/19	Sat 26/9/20	Thu 30/5/19		Thu 30/5/19	Wed 2/12/20	67 days				┥╫╫┡	
5	Prepare AIP and ICE certification	ation (Draft)	96 days		0 days	100%	Thu 30/5/19	Mon 2/9/19	Thu 30/5/19		Thu 30/5/19	Mon 2/9/19		3 days	4	-		
,	-	l 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		Thu 19/9/19		1 days	256	-		
3	Prepare AIP and ICE certifica	-	84 days		0 days	100%	Tue 14/1/20	Mon 6/4/20	Tue 14/1/20	Mon 6/4/20		Mon 6/4/20		2 days	256,257			
	Prepare DDA (Draft) Prepara			156 days	0 days	100%	Tue 3/9/19	Wed 5/2/20	Tue 3/9/19		Tue 3/9/19	Wed 5/2/20		3 days	256	-		
		uron rse by PM & Statutory Authorities/Gov. Dept	150 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						
)				-	-									0.5 days		a		
	Prepare DDA for and ICE cer		15 days		15 days	0%	Fri 24/7/20	Fri 7/8/20	NA	NA	Tue 29/9/20	Tue 13/10/20	67 days		260,258FF+21			
	-	d Statutory Authorities/Gov. Dept	50 days	-	50 days	0%	Sat 8/8/20		NA	NA	Wed 14/10/20	Wed 2/12/20	67 days	I day	261			1
3	Underpass (E&M Works)		392 days	-	392 days	0%	Mon 3/8/20	Sun 29/8/21		NA	Tue 10/11/20	Wed 11/1/23	99 days					1
	Prepare AIP (E&M works) and	nd ICE certification (Draft)	32 days	0 days	32 days	0%	Mon 5/10/20	Thu 5/11/20	NA	NA	Tue 10/11/20	Fri 11/12/20	36 days	2 days				
e: Rev	v.11 Prog with Progress	Task	Summary				Milestone 🔷		Duration-on			Start-only		C		ternal Mi	ilestone	_
	2-May-20	Split Milestone	Project Sum Inactive Tas			Inactive S	Summary		<ul> <li>Manual Sun</li> <li>Manual Sun</li> </ul>	nmary Rollup 🖕		Finish-only External Task		3	Dea Cri	adline		
		IVITICSIUTIC	macuve ras	Λ.		ivianual	1.45%		Ivianual Sun	unitat y		<ul> <li>External Lask</li> </ul>	2		Cri	acal		



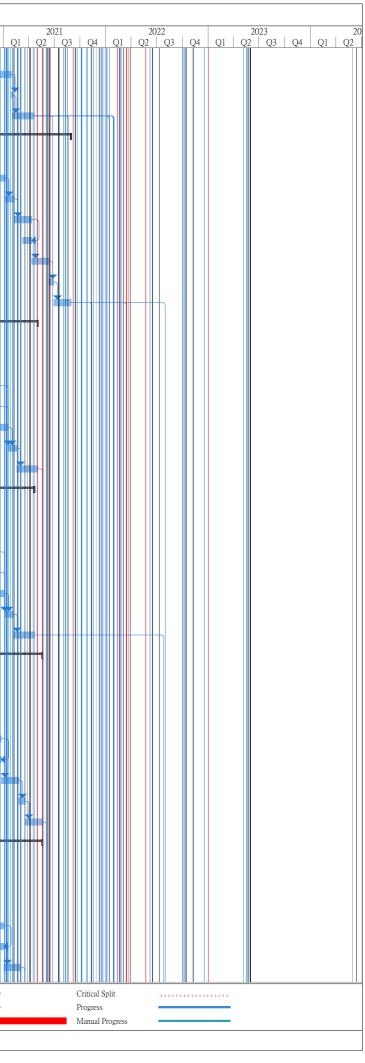
	ask Name	Duration	Actual	Remaining	Physical %	Early Start	Early Finish	Actual Start			Late Finish	Total TRA	Predecessors	202	20	
		]	Duration	Duration	Complete							Slack			20 Q3	Q
265	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Fri 6/11/20	Wed 6/1/21	NA	NA	Sat 12/12/20	Thu 11/2/21	36 days 2 days	264			
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			
267	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 2 days	266			
268	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	NA	Thu 15/4/21	Sun 16/5/21	36 days 2 days	267FF			
269	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Sun 11/4/21	Fri 11/6/21	NA	NA	Mon 17/5/21	Sat 17/7/21	36 days 2 days	268			
270	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	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				
273	L14) and ICE certification (Draft) 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	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			
275	L14) and ICE certification (Final) Submit & endorse by PM and Statutory Authorities/Gov. Dept	74 days	0 davs	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			
276	Prepare DDA (E&M works) and Architectural Finishes of of Underpass (Road	31 days (	-	31 days	0%	Sun 20/12/20		NA	NA	Wed 17/8/22	Fri 16/9/22	605 days 1 day	275FF			
277	L14) and ICE certification (Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept	51 days (	-	51 days	0%	Wed 20/1/21	Thu 11/3/21		NA	Sat 17/9/22	Sun 6/11/22	605 days 1 day	27511	-		
278	Prepare DDA (E&M works) and Architectural Finishes of of Underpass (Road L14) and ICE certification (Final)	15 days (	-	15 days	0%	Fri 12/3/21		NA	NA	Mon 7/11/22	Mon 21/11/22		277			
279	Submit & endorse by PM and Statutory Authorities/Gov. Dept	51 days (	-	51 days	0%	Sat 27/3/21		NA	NA	Tue 22/11/22	Wed 11/1/23	605 days 1 day	278			
280	E&M Work for Pump House of Underpass D3	364 days	83.71 days	280.29 days	0%	Mon 24/2/20	Sun 21/2/21	Mon 24/2/20	NA	Mon 24/2/20	Wed 18/8/21	178 days				
281	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				
282	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			
284	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			
285	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			
286	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			
287	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	127.82 days	0%	Thu 16/5/19	Thu 20/8/20	Thu 16/5/19	NA	Thu 16/5/19	Thu 11/5/23	994 days				
290	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	Fri 2/8/19	Thu 16/5/19	Fri 2/8/19	0 days 1 days	4			
291	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	Wed 4/9/19	Sat 3/8/19	Wed 4/9/19	0 days 2 days	290			
292	Prepare AIP and ICE certification (Final)	44 days	44 davs	0 days	100%	Mon 9/12/19	Tue 21/1/20	Mon 9/12/19	Tue 21/1/20	Mon 9/12/19	Tue 21/1/20	0 days 0 days	291			
293	Prepare DDA and ICE certification (Draft)	57 days	-	0 days	100%	Tue 24/9/19		Tue 24/9/19			Tue 19/11/19	0 days 5 days	290			
294	Submit & endorse by PM	17 days	-	0 days	100%	Tue 19/11/19	Thu 5/12/19	Tue 19/11/19			Thu 5/12/19	0 days 1 day	293	-		
295	Submit & endorse by Statutory Authorities/Gov. Dept	20 days		0 days	100%	Wed 19/2/20	Mon 9/3/20	Wed 19/2/20			Mon 9/3/20		293			
296	Prepare DDA for and ICE certification (Final)	30 days		30 days	0%	Sat 23/5/20	Sun 21/6/20		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 (		60 days	0%	Mon 22/6/20	Thu 20/8/20		NA	Mon 13/3/23	Thu 11/5/23	994 days 5 days	296			
298	Depressed Road (North) E&M Works	322 days	-	322 days	0%	Mon 21/9/20		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 day				
300	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days (	0 days	61 days	0%	Thu 22/10/20	Mon 21/12/20	NA	NA	Fri 18/12/20	Tue 16/2/21	57 days 1 day	299			
301	Prepare AIP (E&M works) and ICE certification (Final)	31 days (	0 days	31 days	0%	Tue 22/12/20	Thu 21/1/21	NA	NA	Wed 17/2/21	Fri 19/3/21	57 days 1 day	300			
302	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	NA	Sat 20/3/21	Wed 19/5/21	57 days 1 day	301			
303	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	NA	Mon 19/4/21	Wed 19/5/21	57 days 1 day	302FF			
304	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			
305	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			
306	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			
307	Depressed Road (South) and Substructure of Elevated Landscape Deck	463 days 2	333.16 days	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				
308	Prepare AIP and ICE certification (Draft)	54 days		0 days	100%	Mon 10/6/19	Fri 2/8/19	Mon 10/6/19		Mon 10/6/19	Fri 2/8/19	0 days 1 days				
309	Submit & endorse by PM and Statutory Authorities/Gov. Dept	81 days		0 days	100%	Sat 3/8/19	Tue 22/10/19		Tue 22/10/19		Tue 22/10/19	0 days 2 days	308			
		01 01/3 (	-1	5 aug 0			1 40 22 10/17	5	100 220 10/13	540 510117						
	v.11 Prog with Progress Task Split	Summary Project Summ	narv		Inactive M			Duration-on Manual Sun	ly 📃 nmary Rollup 🗖		Start-only Finish-only	C 3		ernal Mile dline	estone	
as of 22	P-May-20 Split Milestone	Project Summ Inactive Task			Manual T			Manual Sun Manual Sun			External Task		Crit			
									e 7 of 36							—



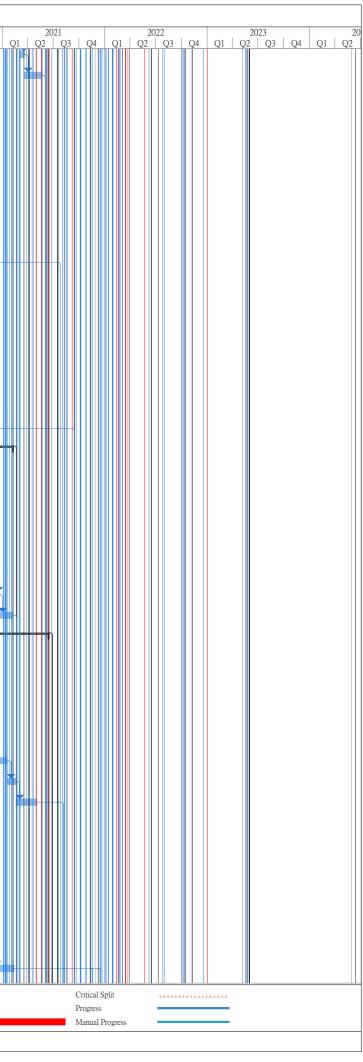
			-		-		-		ract No. ED/			-	-		-			
Ta	ask Name		Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	202 Q2		3
310	Prepare AIP and ICE (certification	on (Final)	270 days	222 days	48 days	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		ŧ	Π
311	Prepare DDA certification (Draf	t)	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	h		
312	Submit & endorse by PM and St	atutory 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 days			
313	Prepare DDA for and ICE certifi	cation (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			K	
314	Submit & endorse by PM and St	atutory 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			H
315	South Depressed Road (E&M Work	s)	382 days	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			-		r
316	Prepare AIP (E&M works) and I	CE 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 St	atutory 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 I	CE 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	-		
19	Submit & endorse by PM and St	atutory 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	-		
320	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	-		
321	Submit & endorse by PM and St		76 days		76 days	0%	Fri 9/4/21	Wed 23/6/21	NA	NA	Tue 20/4/21	Sun 4/7/21	11 days		320	-		
322	Prepare DDA (E&M works) and	-	16 days	-	16 days	0%	Thu 24/6/21	Fri 9/7/21	NA	NA	Mon 5/7/21	Tue 20/7/21	11 days		321	-		
323	Submit & endorse by PM and St		76 days		76 days	0%	Sat 10/7/21	Thu 23/9/21		NA	Wed 21/7/21	Mon 4/10/21	11 days	-	322			
24	Road Works (Civil Works)	autory Automics/Gov. Dept		196.01 days		0%	Tue 13/8/19	Fri 4/6/21		NA	Tue 13/8/19	Tue 14/12/21	193 days		522	-		
															20266 - 75 Jan	_		
325	Prepare AIP for At-grade Road I	33 and ICE certification (Draft)	57 days		0 days	100%	Tue 13/8/19	Tue 8/10/19		Tue 8/10/19		Tue 8/10/19		1 day	293SS+75 days			
26	Submit & endorse by PM		21 days		0 days	100%	Wed 9/10/19		Wed 9/10/19			Tue 29/10/19			325			
27	Submit & endorse by Statutory A	-	24 days		0 days	100%	Wed 30/10/19		Wed 30/10/19			Fri 22/11/19		1 day	325			
28	Prepare AIP for At-grade Road I	D3 and ICE certification (Final)	57 days	57 days	0 days	100%	Thu 5/3/20	Mon 4/5/20	Thu 5/3/20	Mon 4/5/20	Thu 5/3/20	Mon 4/5/20	0 days	0 days	326FS+12 days,327,44FF+			H
29	Prepare DDA for At-grade Road	D3 and ICE certification (Draft)	210 days	0 days	210 days	0%	Sat 23/5/20	Fri 18/12/20	NA	NA	Wed 2/12/20	Tue 29/6/21	193 days	5 days	325FS+100 days,328FF+6			H
0	Submit & endorse by PM and St	atutory 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			
1	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			
32	Submit & endorse by PM and St	atutory 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 Wor	ks)	382 days	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			-		
1	Prepare AIP (E&M works) and I	CE 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				
5	Submit & endorse by PM and St	atutory 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	-		
6	Prepare AIP (E&M works) and I	CE 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	-		
7	Submit & endorse by PM and St	atutory 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	-		
8	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	-		
9	Submit & endorse by PM and St	atutory 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	~		
0	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	-		
1	Submit & endorse by PM and St	atutory 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	-		
2	Road L12d Works (Roadworks)			261.27 days		0%	Tue 6/8/19	Mon 4/10/21		NA	Tue 6/8/19	Tue 28/2/23	512 days				Щ	
3	Prepare AIP for Road L12d Sub	nission (Draft)	64 days		0 days	100%	Tue 6/8/19		Tue 6/8/19	Tue 8/10/19		Tue 8/10/19	0 days		325	~		
4	Submit & endorse by PM and St			227 days	150 days	60%	Wed 9/10/19		Wed 9/10/19		Wed 9/10/19	Tue 15/3/22	512 days		525	_		
	-														242 44EE 10	_		
5	(Final)	lude E&M Provision Works) and ICE certification			120 days	0%	Tue 20/10/20	Tue 16/2/21		NA	Wed 16/3/22	Wed 13/7/22	512 days		343,44FF+12 days,344	_		
.6	(Draft)	nclude E&M Provision Works) and ICE certificat			120 days	0%	Thu 19/11/20		NA	NA	Fri 15/4/22	Fri 12/8/22	512 days		343FS+260 days,345FF+30	_		
.7	Submit & endorse by PM and St		75 days		75 days	0%	Fri 19/3/21	Tue 1/6/21	NA	NA	Sat 13/8/22	Wed 26/10/22		0.5 days	346			
8	Prepare DDA for Road L12d (In (Final)	clude E&M Provision Works) and ICE certification	ion 50 days	0 days	50 days	0%	Wed 2/6/21	Wed 21/7/21		NA	Thu 27/10/22	Thu 15/12/22	512 days	0 days	347,345FF			
)	Submit & endorse by PM and St	atutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Thu 22/7/21	Mon 4/10/21	NA	NA	Fri 16/12/22	Tue 28/2/23	512 days	0 days	348			
)	Road Lighting of Road D3 (E&M)		469 days	129.19 days	339.81 days	0%	Mon 6/1/20	Sun 18/4/21	Mon 6/1/20	NA	Mon 6/1/20	Sun 1/8/21	105 days					r
1	Prepare AIP (E&M works) Subr	nission (Draft)	30 days	30 days	0 days	100%	Mon 6/1/20	Tue 4/2/20	Mon 6/1/20	Tue 4/2/20	Mon 6/1/20	Tue 4/2/20	0 days	2 days				
2	Submit & endorse by Statutory A	Authorities/Gov. Dept and PM	190 days	108 days	82 days	57%	Wed 5/2/20	Wed 12/8/20	Wed 5/2/20	NA	Wed 5/2/20	Wed 25/11/20	105 days		351			l
3	Prepare AIP (E&M works) and I	CE certification (Final)	32 days	0 days	32 days	0%	Thu 13/8/20	Sun 13/9/20	NA	NA	Thu 26/11/20	Sun 27/12/20	105 days	2 days	352			ł
+	Submit & endorse by PM and St	atutory 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			
		Task	Summary			Inactive N	filestone 🔿		Duration-on	lv		Start-only		<u>с</u>	Fet	emal Mile	estone	L
	v.11 Prog with Progress -May-20	Split		imary		Inactive N				imary Rollup 💼		Finish-only		3		adline	-360110	ž
of 22				sk								External Tasl				tical		



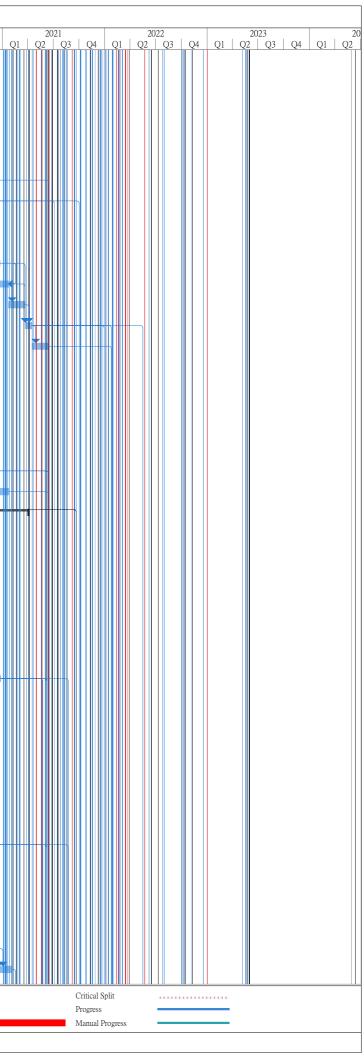
									ract No. ED/									
D Ta	ask Name		Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	202 Q2		04
355	Prepare DDA (E&M works) as	nd ICE certification (Draft)	32 days	0 days	32 days	0%	Mon 12/10/20	Thu 12/11/20	NA	NA	Mon 25/1/21	Thu 25/2/21	105 days	2 days	354FF			Ř
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			ľ
357	Prepare DDA (E&M works) as	nd 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			
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				r	
360	Prepare AIP (E&M works) and	d 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	d ICE certification (Final)	32 days	0 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	361			
363	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	Mon 7/6/21	Sat 7/8/21	119 days	2 days	362			
364	Prepare DDA (E&M works) a	nd ICE certification (Draft)	32 days	0 days	32 days	0%	Wed 10/3/21	Sat 10/4/21	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	0 days	62 days	0%	Sun 11/4/21	Fri 11/6/21	NA	NA	Sun 8/8/21	Fri 8/10/21	119 days	2 days	364			
366	Prepare DDA (E&M works) a	nd ICE certification (Final)	17 days	0 days	17 days	0%	Sat 12/6/21	Mon 28/6/21	NA	NA	Sat 9/10/21	Mon 25/10/21	119 days	2 days	365			
367	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	Tue 26/10/21	Sun 26/12/21	119 days	2 days	366			
368	Roadworks other than at-grade Ro	oad 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		rks other than at-grade Road D3 and Road L12d	36 days	36 days	0 days	100%	Mon 2/9/19	Mon 7/10/19	Mon 2/9/19	Mon 7/10/19	Mon 2/9/19	Mon 7/10/19	0 days	0.5 days				
370	(Draft) 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	369			
371		rks other than at-grade Road D3 and Road L12d	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		orks other than at-grade Road D3 and Road L12d	95 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	days 371FF+30 days			
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	372			-
374		orks 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	371,372,373			
375	(Final)	Statutory Authorities/Gov. Dept	75 days		75 days	0%	Wed 17/2/21		NA	NA	Wed 10/3/21	Sun 23/5/21	21 days		374			
376	-	nd Saltwater Pumping Station (Civil Works)		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			ЩЦ		
377	-	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	Wed 4/3/20	Sat 18/4/20	0 days					
378		Statutory Authorities/Gov. Dept	82 days		49 days	40%	Sat 18/4/20		Sat 18/4/20	NA	Sat 18/4/20	Mon 23/5/22	684 days		377			
379	-	Sewerage and Saltwater Pumping Station (Final)	75 days		75 days	0%	Thu 9/7/20	Mon 21/9/20			Tue 24/5/22	Sat 6/8/22	684 days		378			
380		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		379FF+15 days			
381		Statutory Authorities/Gov. Dept	75 days	-	75 days	0%		Tue 5/1/21				Fri 4/11/22	668 days					ļ
382		Sewerage and Saltwater Pumping Station (Final)	30 days		30 days	0%	Wed 6/1/21		NA		Sat 5/11/22	Sun 4/12/22		-	379,380,381			
383		Statutory Authorities/Gov. Dept	75 days		75 days	0%	Fri 5/2/21	Tue 20/4/21		NA	Mon 5/12/22	Fri 17/2/23	668 days					
384	Road Lighting of Road other than		356 days		356 days	0%	Fri 29/5/20	Wed 19/5/21			Tue 2/6/20	Sun 23/5/21	4 days	0.5 4435	562			
385	Prepare AIP (E&M works) and		38 days		38 days	0%	Fri 29/5/20		NA		Tue 2/6/20	Thu 9/7/20		2 days				
386	· · · · ·	Statutory Authorities/Gov. Dept	77 days		77 days	0%	Mon 6/7/20	Sun 20/9/20		NA	Fri 10/7/20	Thu 24/9/20		2 days	385			
387	Prepare AIP (E&M works) and	v .	32 days		32 days	0%	Mon 21/9/20	Thu 22/10/20		NA	Fri 25/9/20	Mon 26/10/20		2 days	386			
388		Statutory Authorities/Gov. Dept	62 days		62 days	0%	Fri 23/10/20	Wed 23/12/20		NA	Tue 27/10/20	Sun 27/12/20		2 days	387			
	-																	
389	Prepare DDA (E&M works) at		32 days		32 days	0%	Sun 22/11/20	Wed 23/12/20			Thu 26/11/20	Sun 27/12/20		2 days	388FF 389			
390	-	Statutory Authorities/Gov. Dept	62 days		62 days	0%	Thu 24/12/20	Tue 23/2/21		NA	Mon 28/12/20	Sat 27/2/21		2 days	390			
391	Prepare DDA (E&M works) at		23 days		23 days		Wed 24/2/21	Thu 18/3/21 Wed 10/5/21		NA	Sun 28/2/21	Mon 22/3/21		2 days				
392	-	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		2 days	391			
393	_	bad D3 and Road L12d (E&M Works)	322 days		322 days	0%	Thu 2/7/20	Wed 19/5/21		NA	Mon 6/7/20	Sun 23/5/21	4 days	1 .1				
394	Prepare AIP (E&M works) and		31 days	-	31 days	0%	Thu 2/7/20		NA	NA	Mon 6/7/20	Wed 5/8/20		1 day	204			
395	-	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		1 day	394			
396	Prepare AIP (E&M works) and		31 days		31 days	0%	Fri 2/10/20	Sun 1/11/20			Tue 6/10/20	Thu 5/11/20		1 day	395			
397	-	Statutory Authorities/Gov. Dept	61 days		61 days	0%	Mon 2/11/20		NA	NA	Fri 6/11/20	Tue 5/1/21		1 day	396			
398	Prepare DDA (E&M works) a		31 days		31 days	0%	Wed 2/12/20		NA	NA	Sun 6/12/20	Tue 5/1/21		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			
Title: Rev	v.11 Prog with Progress	Task	Summary			Inactive N			Duration-or			Start-only		C		emal Mile	estone	<
	-May-20	Split Milestone	Project Sum Inactive Tas			Inactive S Manual T			<ul> <li>Manual Sur</li> <li>Manual Sur</li> </ul>	nmary Rollup 💼 nmary 🛛 📕		<ul> <li>Finish-only</li> <li>External Task</li> </ul>	S	3	Dead	dline ical		4
				1		internation 1			- internate out			- 2.4001101 1 dSM		_				



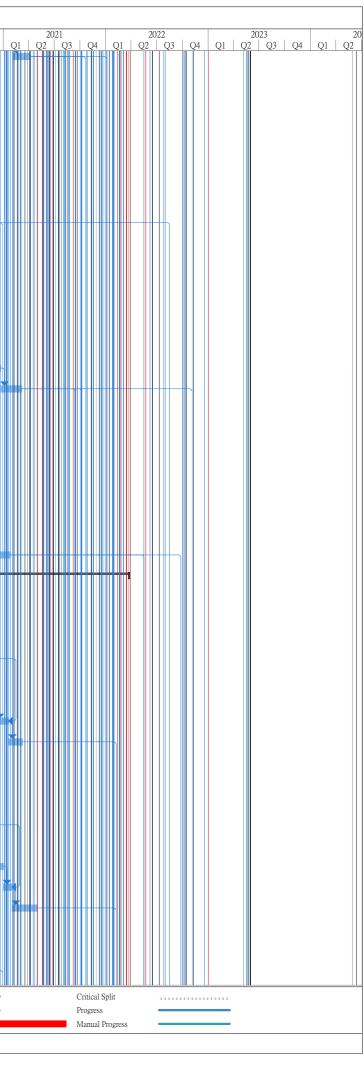
) ]	Fask Name		Duration	Actual	Remaining	Physical %	Early Start	Early Finish	ract No. ED/	Actual Finish		Late Finish	Total	TRA	Predecessors	21	)20
400		d ICE partification (Ein-1)		Duration	Duration	Complete 0%			NA	NA	Mon 8/3/21		Slack	1 day	399	Q2	
	Prepare DDA (E&M works) and		16 days		16 days		Thu 4/3/21	Fri 19/3/21				Tue 23/3/21	4 days				
)1		Statutory Authorities/Gov. Dept	61 days		61 days	0%	Sat 20/3/21	Wed 19/5/21		NA	Wed 24/3/21	Sun 23/5/21	4 days	1 day	400		
12	DCS Seawater & Intake Box Culv		-		174.59 days	0%	Tue 13/8/19	Thu 3/12/20		NA	Tue 13/8/19	Tue 3/8/21	243 days				
3	Prepare AIP Subm with ICE co	ertification (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			
4	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		
15	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		
)6	Prepare AIP and ICE certificat	ion (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
07	Prepare DDA and ICE certific	ation	80 days	0 days	80 days	0%	Sat 23/5/20	Mon 10/8/20	NA	NA	Thu 21/1/21	Sat 10/4/21	243 days	s 5 days	403SS,406FF+	1:	
08	Submit & endorse by PM and	Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Tue 11/8/20	Tue 29/9/20	NA	NA	Sun 11/4/21	Sun 30/5/21	243 days	3 days	407		
-09	Prepare DDA for and ICE cert	ification (Final)	15 days	0 days	15 days	0%	Wed 30/9/20	Wed 14/10/20	NA	NA	Mon 31/5/21	Mon 14/6/21	243 days	s 1 day	408		
410	Submit & endorse by PM and	Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Thu 15/10/20	Thu 3/12/20	NA	NA	Tue 15/6/21	Tue 3/8/21	243 days	a 2 days	409		
411	Seawater & Intake Box Culverts I	Diversion	248 days	49.98 days	198.02 days	0%	Wed 1/4/20	Fri 4/12/20	Wed 1/4/20	NA	Wed 1/4/20	Wed 6/10/21	306 days	5			
412	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		╞═╢╌	
413	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		
414	Prepare AIP and ICE certificat	ion (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	s 1 days	412,413		
415	Prepare DDA and ICE certific	ation	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,413FF+	5	
416	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		
417	Prepare DDA for and ICE cert	ification (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	s 1 day	416		
118	_	Statutory Authorities/Gov. Dept	50 days		50 days	0%	Fri 16/10/20	Fri 4/12/20	NA	NA	Wed 18/8/21	Wed 6/10/21	306 days		417		
419	Rising Main (Sewerage Works)		402 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	-			Щ
120	Prepare AIP (Draft)		35 days		0 days	100%	Thu 2/1/20	Wed 5/2/20	Thu 2/1/20	Wed 5/2/20		Wed 5/2/20	-	3 days	4		
421	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		Mon 24/2/20	0 days	1 day			
422	-	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		
423	-	-													420,422,421		
	Prepare AIP and ICE certificat		75 days		75 days	0%	Thu 2/7/20	Mon 14/9/20		NA	Fri 31/7/20	Tue 13/10/20	29 days				
124	Prepare DDA and ICE certific:		30 days		30 days	0%	Tue 15/9/20	Wed 14/10/20		NA	Wed 14/10/20	Thu 12/11/20	29 days		420SS,423		
425	-	Statutory Authorities/Gov. Dept	50 days	-	50 days	0%	Thu 15/10/20			NA	Fri 13/11/20	Fri 1/1/21	29 days		424,420		
426	Prepare DDA and ICE certific		15 days		15 days	0%		Fri 18/12/20		NA	Sat 2/1/21	Sat 16/1/21	29 days		425		
427	-	Statutory Authorities/Gov. Dept	50 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		
428	Road	nd Fresh Water Works for Underpass and Depressed			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				T
429	Stormwater Drainage AIP for (Draft)	Underpass and Depressed Roads and ICE certification	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			
430	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 days	429		
431	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		
432	Prepare AIP and ICE certificat	ion (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 days		
433	Prepare DDA and ICE certific	ation (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+30	d 🕇	
434	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 days	433		
435	Prepare DDA and ICE certific	ration (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		
436	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		
437		IP for Underpass, Depressed Road and ICE	51 days	51 days	0 days	100%	Tue 8/10/19	Wed 27/11/19	Tue 8/10/19	Wed	Tue 8/10/19	Wed 27/11/19	0 days	1 day			
438	certification (Draft) Submit & endorse by PM		26 days	26 days	0 days	100%	Thu 28/11/19	Mon 23/12/19	Thu 28/11/19	27/11/19 Mon 23/12/	. Thu 28/11/19	Mon 23/12/19	0 days	0.5 days	437		
439	Submit & endorse by Statutory	Authorities/Gov. Dept	14 days	14 days	0 days	100%	Wed 8/4/20	Fri 24/4/20	Wed 8/4/20	Fri 24/4/20	Wed 8/4/20	Fri 24/4/20	0 days	3 days	437		
140	Prepare AIP for Underpass, De	pressed Road and ICE certification (Final)	22 days	22 days	0 days	100%	Sat 25/4/20	Sat 16/5/20	Sat 25/4/20	Sat 16/5/20	Sat 25/4/20	Sat 16/5/20	0 days	0 days	438,439		
441		Depressed Road and ICE certification (Draft)	90 days		90 days	0%	Sun 17/5/20		NA	NA	Fri 2/10/20	Wed 30/12/20	138 days		440		
442		Statutory Authorities/Gov. Dept	75 days		75 days	0%	Sat 15/8/20	Wed 28/10/20		NA	Thu 31/12/20	Mon 15/3/21		s 0.5 days			
443	-	Depressed Road and ICE certification (Final)	30 days		30 days	0%	Thu 29/10/20	Fri 27/11/20		NA	Tue 16/3/21	Wed 14/4/21	138 days		442		
444		Statutory Authorities/Gov. Dept	75 days		75 days	0%	Sat 28/11/20	Wed 10/2/21		NA	Thu 15/4/21	Mon 28/6/21	138 days		442		
	Submit & Chabise by Fivi and	Summery runnendes OUV. Dept	15 uays	o unyo	15 uays	0.0	5at 20/11/20	10/2/21	11/1		1110 13/4/21	101011 20/0/21	1.50 Uays	, 0 uays			
itle: Re	ev.11 Prog with Progress	a. 15	Summary Project Sum			Inactive N Inactive S			Duration-on	ly 📃 nmary Rollup 🗖		Start-only Finish-only		с Э		ternal Mi	eston
is of 22	2-May-20		Project Sumi Inactive Tasł			Manual T	-		Manual Sun Manual Sun	· · ·		External Tasl	CS	-		adline itical	
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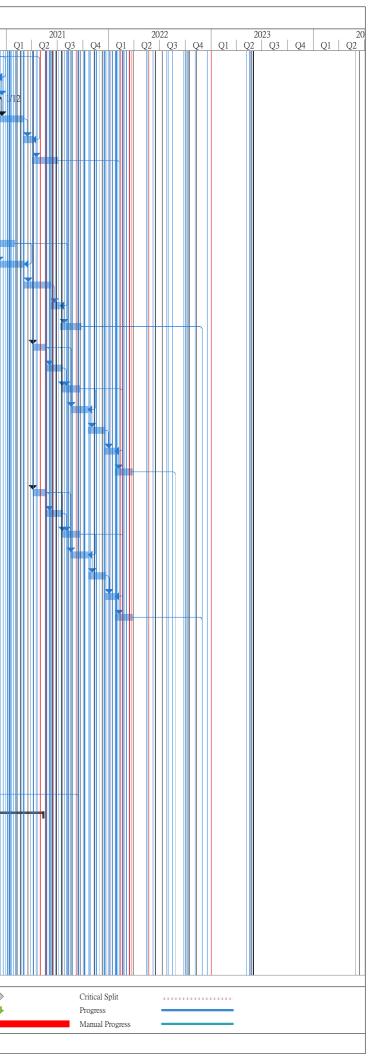
	ask Nama		Duve-t'	A official	Domainin	Dhunic-1 M	Engly Chart			2018/01 KT		Lata Elaini	Tot-1	TD /	Dradaar	00	020
	isk Name		Duration	Duration	Remaining Duration	Physical % Complete	Early Start			Actual Finish		Late Finish	Total Slack	TRA	Predecessors		020   Q
445	AIP for Water Works (Sewerag	ge Works of Gravity Sewers)	88 days	88 days	0 days	100%	Fri 13/9/19	Mon 9/12/19	Fri 13/9/19	Mon 9/12/19	Fri 13/9/19	Mon 9/12/19	0 days	1 day			
46	Submit & endorse by PM		19 days	19 days	0 days	100%	Mon 23/12/19			Fri 10/1/20	Mon 23/12/19	Fri 10/1/20	0 days	0.5 days	445		
47	Submit & endorse by Statutory	Authorities/Gov. Dept	18 days	18 days	0 days	100%	Fri 21/2/20	Mon 9/3/20	Fri 21/2/20	Mon 9/3/20	Fri 21/2/20	Mon 9/3/20	0 days	0.5 days	445		
148	AIP for Water Works (Sewerag	ge Works of Gravity Sewers) (Final)	11 days	11 days	0 days	100%	Tue 10/3/20	Fri 20/3/20	Tue 10/3/20	Fri 20/3/20	Tue 10/3/20	Fri 20/3/20	0 days	0.5 days	445,446,447		
49	DDA for Water Works (Sewer	rage Works of Gravity Sewers)	60 days	0 days	60 days	0%	Sat 23/5/20	Tue 21/7/20	NA	NA	Wed 16/12/20	Sat 13/2/21	207 days	1 day	445		╇┼
450	Submit & endorse by PM and	Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Wed 22/7/20	Wed 9/9/20	NA	NA	Sun 14/2/21	Sun 4/4/21	207 days	0.5 days	449		
451	DDA for Water Works - (Sew	erage Works of Gravity Sewers)	35 days	0 days	35 days	0%	Thu 10/9/20	Wed 14/10/20	NA	NA	Mon 5/4/21	Sun 9/5/21	207 days	1 day	448,449,450		
452	Submit & endorse by PM and	Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Thu 15/10/20	Thu 3/12/20	NA	NA	Mon 10/5/21	Mon 28/6/21	207 days	0.5 days	451		
453	AIP for Stormwater Works - W	Vaterfront Promenade and at grade Open Space (Draf	t) 80 days	0 days	80 days	0%	Mon 6/7/20	Wed 23/9/20	NA	NA	Mon 20/7/20	Wed 7/10/20	14 days	1 day	445		1
454	Submit & endorse by PM and	Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Thu 24/9/20	Sun 22/11/20	NA	NA	Thu 8/10/20	Sun 6/12/20	14 days	0.5 days	453		
455	AIP for Stormwater Works - W	Vaterfront Promenade and at grade Open Space (Final	l) 30 days	0 days	30 days	0%	Mon 23/11/20	Tue 22/12/20	NA	NA	Mon 7/12/20	Tue 5/1/21	14 days	0.5 days	453,454		
456		Waterfront Promenade and at grade Open Space	120 days	0 days	120 days	0%	Thu 24/9/20	Thu 21/1/21	NA	NA	Thu 8/10/20	Thu 4/2/21	14 days	1 day	453,455FF+30		
457	(Draft) Submit & endorse by PM and S	Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Fri 22/1/21	Mon 22/3/21	NA	NA	Fri 5/2/21	Mon 5/4/21	14 days	0.5 days	456		
458		Waterfront Promenade and at grade Open Space	24 days	0 days	24 days	0%	Tue 23/3/21	Thu 15/4/21	NA	NA	Tue 6/4/21	Thu 29/4/21	14 days	1 day	455,456,457		
459	(Final) Submit & endorse by PM and S	Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Fri 16/4/21	Mon 14/6/21	NA	NA	Fri 30/4/21	Mon 28/6/21	14 days	0.5 days	458		
460	AIP for Water Works - Remain	ning Stormwater works (Draft)	0 days	0 days	0 days	100%	Mon 2/3/20	Thu 9/4/20	Mon 2/3/20	Thu 9/4/20	Mon 2/3/20	Thu 9/4/20	0 days	1 day	453	<b>9</b>	
461		Statutory Authorities/Gov. Dept		27 days	0 days	100%	Fri 10/4/20		Fri 10/4/20	Wed 6/5/20	Fri 10/4/20	Wed 6/5/20		0.5 days	460		
462	AIP for Water Works - Remain		1 day	1 day	0 days	100%	Wed 29/4/20	Thu 7/5/20	Wed 29/4/20		Wed 29/4/20	Thu 7/5/20		0.5 days	460,461		$\parallel \parallel$
463		ining Stormwater works (Draft)	90 days		90 days	0%	Tue 2/6/20	Sun 30/8/20		NA	Fri 6/11/20	Wed 3/2/21	157 days		460		
464		Statutory Authorities/Gov. Dept	60 days		60 days	0%	Mon 31/8/20	Thu 29/10/20		NA	Thu 4/2/21	Sun 4/4/21		0.5 days	463		
465	-	ining Stormwater works (Final)	25 days		25 days	0%	Fri 30/10/20	Mon 23/11/20		NA	Mon 5/4/21	Thu 29/4/21	157 days		462,463,464	_	
466		Statutory Authorities/Gov. Dept	60 days		60 days	0%	Tue 24/11/20		NA	NA	Fri 30/4/21	Mon 28/6/21		0.5 days			
467	-	nd Fresh Water Works for Bridge B3		132.36 days		0%	Tue 22/10/19	Sat 3/4/21	Tue 22/10/19		Tue 22/10/19	Wed 6/10/21	137 days	-	405		
		_															
468	Fresh and Salt Water Works A	IP for Bridge D3 (Drail)		37 days	0 days	100%	Tue 22/10/19	Wed 27/11/19				Wed 27/11/19	-	1 day	160		
69	Submit & endorse by PM			22 days	0 days	100%	Thu 28/11/19	Thu 19/12/19				Thu 19/12/19		0.5 days	408		
470	Submit & endorse by Statutory	-	-	26 days	0 days	100%	Thu 9/4/20		Thu 9/4/20	Mon 4/5/20		Mon 4/5/20		0.5 days	160.160.15055		
471	Prepare AIP for Bridge D3 and		3 days		0 days	100%	Mon 4/5/20	Wed 6/5/20				Wed 6/5/20			468,469,470FF+		,
472	Prepare DDA for Bridge D3 a		60 days		60 days	0%	Mon 8/6/20		NA	NA	Sat 19/9/20	Tue 17/11/20	103 days		471FF+15 days,	4	
473	Submit & endorse by PM and	Statutory Authorities/Gov. Dept	55 days	0 days	55 days	0%	Fri 7/8/20	Wed 30/9/20		NA	Wed 18/11/20	Mon 11/1/21	103 days	0.5 days	472		
474	Prepare DDA for Dridge D3 ar	d ICE certification (Final)	30 days	0 days	30 days	0%	Thu 1/10/20	Fri 30/10/20	NA	NA	Tue 12/1/21	Wed 10/2/21	103 days	0 days	473		
475	Submit & endorse by PM and	Statutory Authorities/Gov. Dept	55 days	0 days	55 days	0%	Sat 31/10/20	Thu 24/12/20	NA	NA	Thu 11/2/21	Tue 6/4/21	103 days	0 days	474		
476	Stormwater Works AIP for Bri	dge D3 and ICE certification (Draft)	20 days	20 days	0 days	100%	Thu 23/1/20	Tue 11/2/20	Thu 23/1/20	Tue 11/2/20	Thu 23/1/20	Tue 11/2/20	0 days	1 day	468SS		
477	Submit & endorse by PM		9 days	9 days	0 days	100%	Wed 12/2/20	Thu 20/2/20	Wed 12/2/20	Thu 20/2/20	Wed 12/2/20	Thu 20/2/20	0 days	0.5 days	476		
478	Submit & endorse by Statutory	Authorities/Gov. Dept	28 days	28 days	0 days	100%	Wed 19/2/20	Tue 17/3/20	Wed 19/2/20	Tue 17/3/20	Wed 19/2/20	Tue 17/3/20	0 days	3 days			
479	Stormwater Works AIP for Bri	dge D3 and ICE certification (Final)	26 days	26 days	0 days	100%	Mon 2/3/20	Fri 27/3/20	Mon 2/3/20	Fri 27/3/20	Mon 2/3/20	Fri 27/3/20	0 days	1 day	477,476		
480	Prepare DDA for Bridge D3 ar	d ICE certification (Draft)	65 days	0 days	65 days	0%	Sat 23/5/20	Sun 26/7/20	NA	NA	Fri 9/10/20	Sat 12/12/20	139 days	1 day	476,479SS,478,		
481	Submit & endorse by PM and S	Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Mon 27/7/20	Mon 14/9/20	NA	NA	Sun 13/12/20	Sun 31/1/21	139 days	0.5 days	480		
482	Stormwater Works DDA for B	ridge D3 and ICE certification (Final)	15 days	0 days	15 days	0%	Tue 15/9/20	Tue 29/9/20	NA	NA	Mon 1/2/21	Mon 15/2/21	139 days	1 day	481		
483	Submit & endorse by PM and	Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Wed 30/9/20	Wed 18/11/20	NA	NA	Tue 16/2/21	Tue 6/4/21	139 days	1 day	482		
484	AIP for Stormwater Drainage	Works of Pump Rooms EVA & Road L12d (Draft)	11 days	11 days	0 days	100%	Tue 28/4/20	Fri 8/5/20	Tue 28/4/20	Fri 8/5/20	Tue 28/4/20	Fri 8/5/20	0 days	1 day			$\frac{1}{2}$
485	Submit & endorse by PM and	Statutory Authorities/Gov. Dept	60 days	15 days	45 days	25%	Fri 8/5/20	Tue 7/7/20	Fri 8/5/20	NA	Fri 8/5/20	Sat 9/1/21	186 days	0.5 days	484	‡	
486	AIP for Stormwater Drainage	Works (Final)	45 days	0 days	45 days	0%	Wed 8/7/20	Fri 21/8/20	NA	NA	Sun 10/1/21	Tue 23/2/21	186 days	0.5 days	484,485	.	₩
487	DDA for Stormwater Drainage	Works (Draft)	60 days	0 days	60 days	0%	Sat 22/8/20	Tue 20/10/20	NA	NA	Wed 24/2/21	Sat 24/4/21	186 days	1 day	484,486		
488	Submit & endorse by PM and	Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Wed 21/10/20	Sat 19/12/20	NA	NA	Sun 25/4/21	Wed 23/6/21	186 days	0.5 days	487		
489	DDA for Stromwater Drainage		45 days	· ·	45 days	0%	Sun 20/12/20		NA	NA	Thu 24/6/21	Sat 7/8/21	186 days		487,486,488		
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	11 Prog with Progress	Task Split	Summary Project Sun	ımarv		Inactive M			Duration-on Manual Sun	ıly 📃 nmary Rollup 📕		Start-only Finish-only		C ]		emal Mil idline	lestor
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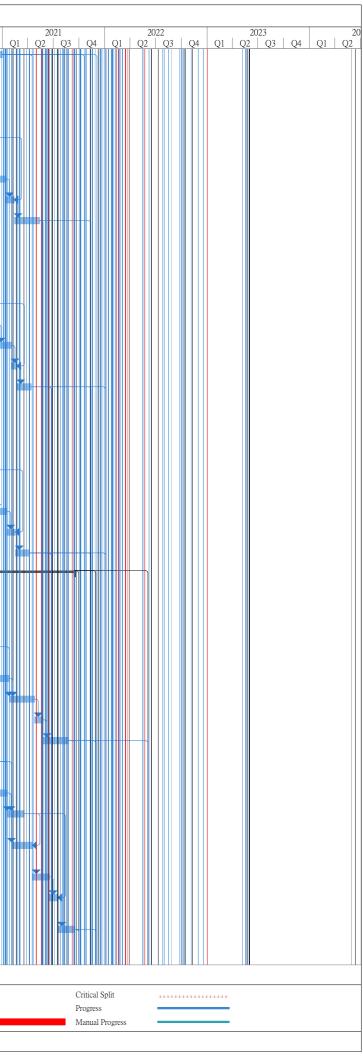
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	ask Name		Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start					Late Finish	Total Slack	TRA	Predecessors		2020 2   Q3	3 (
490	Submit & endorse by PM and Statutory	/ Authorities/Gov. Dept	60 days	0 days	60 days	0%	Wed 3/2/21	Sat 3/4/21	NA	NA	Sun 8/8/21	Wed 6/10/21	186 days	0.5 days	489			
491	AIP for Saltwater & Freshwater - Road	l L12d (Draft)	40 days	40 days	0 days	100%	Fri 1/11/19	Tue 10/12/19	Fri 1/11/19	Tue 10/12/19	Fri 1/11/19	Tue 10/12/19	0 days	1 day				
192	Submit & endorse by PM		31 days	31 days	0 days	100%	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	0 days	0.5 days	491			
.93	Submit & endorse by Statutory Author	ities/Gov. Dept	14 days	14 days	0 days	100%	Thu 9/4/20	Wed 6/5/20	Thu 9/4/20	Wed 6/5/20	Thu 9/4/20	Wed 6/5/20	0 days	1 day	491	<b>.</b>		
194	AIP for Saltwater & Freshwater Works	- Road L12d (Final)	12 days	12 days	0 days	100%	Thu 7/5/20	Mon 18/5/20	Thu 7/5/20	Mon 18/5/20	Thu 7/5/20	Mon 18/5/20	0 days	0.5 days	491,492,493	1	·	Ы
195	DDA for Saltwater & Freshwater Work	ks - Road L12d (Draft)	60 days	0 days	60 days	0%	Tue 19/5/20	Fri 17/7/20	NA	NA	Thu 11/3/21	Sun 9/5/21	296 days	1 day	491,494	1		Ы
496	Submit & endorse by PM and Statutory	/ Authorities/Gov. Dept	60 days	0 days	60 days	0%	Sat 18/7/20	Tue 15/9/20	NA	NA	Mon 10/5/21	Thu 8/7/21	296 days	0.5 days	495			
197	DDA for Saltwater & FreshwaterWork	ks - Road L12d (Final)	30 days	0 days	30 days	0%	Wed 16/9/20	Thu 15/10/20	NA	NA	Fri 9/7/21	Sat 7/8/21	296 days	1 day	494,495,496			
198	Submit & endorse by PM and Statutory	/ Authorities/Gov. Dept	60 days	0 days	60 days	0%	Fri 16/10/20	Mon 14/12/20	NA	NA	Sun 8/8/21	Wed 6/10/21	296 days	0.5 days	497			
99	Fresh and Salt Works AIP - Waterfront	t Promenade and at grade Open Space (Draft)	40 days	40 days	0 days	100%	Fri 1/11/19	Tue 10/12/19	Fri 1/11/19	Tue 10/12/19	Fri 1/11/19	Tue 10/12/19	0 days	1 day				
00	Submit & endorse by PM		31 days	31 days	0 days	100%	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	0 days	0.5 days	499			
01	Submit & endorse by PM/Statutory Au	thorities/Gov Dent	14 days		0 days	100%	Thu 9/4/20			Mon 18/5/20		Mon 18/5/20		0.5 days				
02		it Promenade and at grade Open Space (Final)		0 days	0 days	100%	Mon 11/5/20	Mon 18/5/20				Mon 18/5/20		0.5 days	499,500,501		19/5	
503			90 days	-	90 days	0%	Tue 19/5/20	Sun 16/8/20		NA	Sat 19/12/20	Thu 18/3/21	214 days		499,502			
03	(Draft) Submit & endorse by PM and Statutory				-	0%		Fri 30/10/20			Fri 19/3/21	Tue 1/6/21		-	499,502 503			
			75 days		75 days		Mon 17/8/20			NA								
05	(Final)	nt Promenade and at grade Open Space	52 days		52 days	0%	Sat 31/10/20	Mon 21/12/20		NA	Wed 2/6/21	Fri 23/7/21	214 days	-	502,503,504			
06	Submit & endorse by PM and Statutory	-	75 days		75 days	0%	Tue 22/12/20		NA	NA	Sat 24/7/21	Wed 6/10/21		0.5 days				
)7	AIP for Water Works - Remaining Free		40 days		0 days	100%	Fri 1/11/19	Tue 10/12/19		Tue 10/12/19	Fri 1/11/19	Tue 10/12/19		1 day	499SS			
18	Submit & endorse by PM		31 days	31 days	0 days	100%	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	0 days	0.5 days	507	Ы		
)9	Submit & endorse by PM/Statutory Au	thorities/Gov. Dept	14 days	14 days	0 days	100%	Thu 9/4/20	Thu 7/5/20	Thu 9/4/20	Thu 7/5/20	Thu 9/4/20	Thu 7/5/20	0 days	2 days	507	<b>•</b> .		
.0	AIP for Water Works - Remaining Free	sh Water and Salt Water works (Final)	11 days	11 days	0 days	100%	Thu 7/5/20	Mon 18/5/20	Thu 7/5/20	Mon 18/5/20	Thu 7/5/20	Mon 18/5/20	0 days	0.5 days	507,508,509	Ĩ		
1	DDA for Water Works - Remaining Fr	esh Water and Salt Water works (Draft)	50 days	0 days	50 days	0%	Mon 8/6/20	Mon 27/7/20	NA	NA	Fri 19/2/21	Fri 9/4/21	256 days	1 day	507,510			
12	Submit & endorse by PM and Statutory	/ Authorities/Gov. Dept	75 days	0 days	75 days	0%	Tue 28/7/20	Sat 10/10/20	NA	NA	Sat 10/4/21	Wed 23/6/21	256 days	0.5 days	511			ø
13	DDA for Water Works - Remaining Fr	esh Water and Salt Water works (Final)	30 days	0 days	30 days	0%	Sun 11/10/20	Mon 9/11/20	NA	NA	Thu 24/6/21	Fri 23/7/21	256 days	1 day	510,511,512			
4	Submit & endorse by PM and Statutory	/ Authorities/Gov. Dept	75 days	0 days	75 days	0%	Tue 10/11/20	Sat 23/1/21	NA	NA	Sat 24/7/21	Wed 6/10/21	256 days	0.5 days	513			
5	Pumping Stations, Box Culverts and Intak	e Structures	845 days	100.29 days	744.71 days	0%	Mon 2/12/19	Fri 25/3/22	Mon 2/12/19	NA	Mon 2/12/19	Thu 5/5/22	41 days			⊢		H
16	Prepare AIP for Salt Water and Sewage	e Pumping Structures (Draft)	29 days	29 days	0 days	100%	Mon 2/12/19	Mon 30/12/19	Mon 2/12/19		Mon 2/12/19	Mon 30/12/19	0 days	1 day	4			
17	Submit & endorse by PM		11 days	11 days	0 days	100%	Tue 31/12/19	Fri 10/1/20	Tue 31/12/19	30/12/19 Fri 10/1/20	Tue 31/12/19	Fri 10/1/20	0 days	0.5 days	516		_	
18	Submit & endorse by Statutory Author	ities/Gov. Dept	27 days	27 days	0 days	100%	Fri 27/3/20	Wed 29/4/20	Fri 27/3/20	Wed 29/4/20	Fri 27/3/20	Wed 29/4/20	0 days	2 days		,		
19	Prepare AIP for Salt Water & Sewage	Pumping Structures and ICE certification	36 days	0 days	36 days	0%	Thu 2/7/20	Thu 6/8/20	NA	NA	Thu 10/6/21	Thu 15/7/21	343 days	1 day	516,517,518FF+			Ш
20	(Final) Prepare DDA for Salt Water & Sewage	e Pumping Structures and ICE certification	45 days	0 davs	45 days	0%	Tue 1/9/20	Thu 15/10/20	NA	NA	Tue 10/8/21	Thu 23/9/21	343 days	1 dav	days 516,518FF+21			
21	(Draft) Submit & endorse by PM and Statutory		50 days		50 days	0%	Fri 16/10/20	Fri 4/12/20		NA	Fri 24/9/21	Fri 12/11/21			days,519FF+70 520			
22		e Pumping Structures and ICE certification	45 days		45 days	0%	Sat 5/12/20	Mon 18/1/21		NA	Sat 13/11/21	Mon 27/12/21			521,519FF			
23	(Final) Submit & endorse by PM and Statutory		45 days		45 days	0%	Tue 19/1/21		NA	NA	Tue 28/12/21	Tue 15/2/22	343 days	-	522			
		-													522			
24	Prepare E&M Works AIP for Sewage I	rumping Station (Dran)	29 days		0 days	100%	Tue 7/1/20	Tue 4/2/20	Tue 7/1/20	Tue 4/2/20	Tue 7/1/20	Tue 4/2/20	0 days		51( 524			
25	Submit & endorse by PM		10 days		0 days	100%	Wed 5/2/20	Fri 14/2/20		Fri 14/2/20	Wed 5/2/20	Fri 14/2/20			516,524			
26	Submit & endorse by Statutory Author	-	55 days		25 days	55%	Thu 23/4/20			NA	Thu 23/4/20	Sun 13/9/20	89 days	-	524,525			
27		on E&M works and ICE certification (Final)			77 days	0%	Wed 17/6/20		NA	NA	Mon 14/9/20	Sun 29/11/20	89 days	-	526			H
28	Prepare DDA for Sewage Pumping Sta	tion E&M works and ICE certification (Draft)	120 days	0 days	120 days	0%	Wed 24/6/20	Wed 21/10/20	NA	NA	Mon 21/9/20	Mon 18/1/21	89 days	1 day	516,526FF,527F days	1		
9	Submit & endorse by PM and Statutory	/ Authorities/Gov. Dept	70 days	0 days	70 days	0%	Thu 22/10/20	Wed 30/12/20	NA	NA	Tue 19/1/21	Mon 29/3/21	89 days	1 day	528			
0	Prepare DDA for Sewage Pumping Sta	tion and ICE certification (Final)	31 days	0 days	31 days	0%	Thu 31/12/20	Sat 30/1/21	NA	NA	Tue 30/3/21	Thu 29/4/21	89 days	1 day	529,527FF+6 days			
1	Submit & endorse by PM and Statutory	/ Authorities/Gov. Dept	91 days	0 days	91 days	0%	Sun 31/1/21	Sat 1/5/21	NA	NA	Fri 30/4/21	Thu 29/7/21	89 days	1 day	530			
2	Prepare E&M Works AIP for Salt Wat	er Pumping (Draft)	29 days	29 days	0 days	100%	Tue 7/1/20	Tue 4/2/20	Tue 7/1/20	Tue 4/2/20	Tue 7/1/20	Tue 4/2/20	0 days	2 days		$\left\  \right\ $		
33	Submit & endorse by PM		10 days	10 days	0 days	100%	Wed 5/2/20	Fri 14/2/20	Wed 5/2/20	Fri 14/2/20	Wed 5/2/20	Fri 14/2/20	0 days	0.5 days	532,516			
34	Submit & endorse by Statutory Author	ities/Gov. Dept	60 days		36 days	40%	Wed 29/4/20	Sat 27/6/20	Wed 29/4/20		Wed 29/4/20	Sat 12/9/20	77 days	-	532,533			Ц
		-			• · ·												<u> </u>	
	7.11 Prog with Progress		ummary roject Sum	marv <sup>I</sup>		Inactive M Inactive S			Duration-onl Manual Sum	y 📃 mary Rollup 🗖		Start-only Finish-only		C ]		ernal N idline	vilestone	;
- ( ))	-May-20		-,,00011	k	-		0					Oiliy		-	1)00			



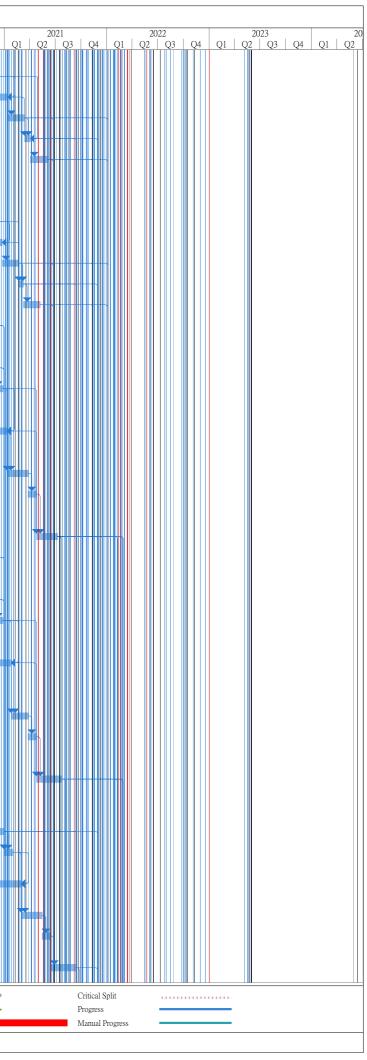
) Tas	ack Name		Disection	Actual	Romainin-	Dhusical #	Egely Ctort		Actual Start			Late Finish	Total	ТР /	Dradaaaaa	~	2020
	isk Name			Duration	Remaining Duration	Physical % Complete	Early Start			Actual Finish			Total Slack	TRA	Predecessors		2020
535	Prepare AIP for Salt Water Pun (Final)	nping Station E&M works and ICE certification	77 days	0 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		
536	Prepare DDA for Salt Water Pu (Draft)	mping 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+30 days,516		
37	Submit to WSD for Plumbing a	nd 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	536		
538	Submit & endorse by PM and S	tatutory 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		
539	Prepare DDA for Salt Water Pu	mping Station and ICE certification (Final)	31 days	0 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 days,538		
640	Submit & endorse by PM and S	tatutory Authorities/Gov. Dept	91 days	0 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	539		
541	AIP for Remaining Works of Sa (Draft)	alt Water & Sewerage Pumping and ICE certification	n 41 days	41 days	0 days	0%	Mon 17/2/20	Sat 28/3/20	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			-	
i43	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 days	541,542		
544		alt Water Pumping & Sewage and ICE certification	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		
545	(Final) DDA for Remaining Works of S	Salt Water & Sewage Pumping and ICE certification	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+35		
546	(Draft) Submit & endorse by PM and S	tatutory 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	days 545		
547	-	Salt Water & Sewage Pumping and ICE certification	1 35 davs	0 davs	35 days	0%	Mon 7/6/21	Sun 11/7/21	NA	NA	Sun 16/1/22	Sat 19/2/22	223 days		546,544FF+12		
548	(Final) Submit & endorse by PM and S		75 days	-	75 days	0%	Mon 12/7/21		NA	NA	Sun 20/2/22	Thu 5/5/22	223 days		days 547		
549	-	Salt Water & Sewage Pumping and ICE certification		-	45 days	0%	Mon 5/4/21	Wed 19/5/21		NA	Mon 3/5/21	Wed 16/6/21	28 days		4		
550	(Draft) Submit & endorse by PM and S				60 days	0%	Thu 20/5/21	Sun 18/7/21		NA	Thu 17/6/21	Sun 15/8/21			549		
	-	-	60 days			0%											
551	(Final)	Salt Water Pumping & Sewage and ICE certification		-	62 days		Mon 19/7/21		NA	NA	Mon 16/8/21	Sat 16/10/21	28 days		549,550		
552	certification (Draft)	f Salt Water & Sewage Pumping and ICE	60 days	· ·	60 days	0%	Fri 20/8/21	Mon 18/10/21		NA	Fri 17/9/21	Mon 15/11/21	28 days		549,551FF+30 days		
553	Submit & endorse by PM and S		60 days	-	60 days	0%	Tue 19/10/21	Fri 17/12/21		NA	Tue 16/11/21	Fri 14/1/22		0.5 days	552		
554	DDA for Architectural works of certification (Final)	f Salt Water & Sewage Pumping and ICE	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		
555	Submit & endorse by PM and S	tatutory 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		
556	AIP for Landscaping works of S (Draft)	Salt Water & Sewage Pumping and ICE certification	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		
557	Submit & endorse by PM and S	tatutory 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 days	556		
558	AIP for Landscaping works of S (Final)	Salt Water Pumping & Sewage and ICE certification	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		
559	()	f 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+30 days		
560	Submit & endorse by PM and S	tatutory Authorities/Gov. Dept	61 days	0 days	61 days	0%	Wed 20/10/21	Sun 19/12/21	NA	NA	Tue 16/11/21	Sat 15/1/22	27 days	0.5 days	559		
561	DDA for Landscaping works of	f Salt Water & Sewage Pumping and ICE	35 days	0 days	35 days	0%	Mon 20/12/21	Sun 23/1/22	NA	NA	Sun 16/1/22	Sat 19/2/22	27 days	2 days	558FF+12		
562	certification (Final) Submit & endorse by PM and S	tatutory Authorities/Gov. Dept	61 days	0 days	61 days	0%	Mon 24/1/22	Fri 25/3/22	NA	NA	Sun 20/2/22	Thu 21/4/22	27 days	2 days	days,560 561		
563	AIP for Seawater Intake and Bo 160m) (Section 6) Submission (	x Culvert Structures for Pumping Station (approx. 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			
564	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 days	563		Ц
565	Submit & endorse by Statutory	Authorities/Gov. Dept	50 days	-	50 days	0%	Sat 23/5/20	Sat 11/7/20	NA	NA	Sun 28/3/21	Sun 16/5/21		0.5 days		ł	
566	AIP for Seawater Intake and Bc	-	21 days	-	21 days	0%	Sun 12/7/20	Sat 1/8/20	NA	NA	Mon 17/5/21	Sun 6/6/21		0.5 days	563,565,564		Ţ
567	DDA for Seawater Intake and E	. ,	15 days		15 days	0%	Sat 25/7/20	Sat 8/8/20	NA	NA	Sun 30/5/21	Sun 13/6/21	309 days		563,565,564,566		
				-													
568	Submit & endorse by PM and S		50 days		50 days	0%	Sun 9/8/20	Sun 27/9/20		NA	Mon 14/6/21	Mon 2/8/21			567		
569	DDA for Seawater Intake and E	× • •	15 days	-	15 days	0%	Mon 28/9/20	Mon 12/10/20		NA	Tue 3/8/21	Tue 17/8/21	309 days		567,568,566FF+		
570	Submit & endorse by PM and S		50 days		50 days	0%	Tue 13/10/20	Tue 1/12/20		NA	Wed 18/8/21	Wed 6/10/21		0.5 days	569		
571	Elevated Landscape Deck Staircase	e & Associated Work	714 days	268.49 days	445.51 days	0%	Thu 30/5/19	Wed 12/5/21	Thu 30/5/19		Thu 30/5/19	Mon 5/7/21	54 days				
572	Elevated Landscape Deck Super	structure 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		
573	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		
574	Submit & endorse by Statutory	Authorities/Gov. Dept	162 days	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 days	573	+	
575	Prepare AIP and ICE certification	on (Final)	255 days	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 days	44FF+12 days	-	•
576	Prepare DDA and ICE certificat	tion (Draft)	75 days	0 days	75 days	0%	Fri 12/6/20	Sun 30/8/20	NA	NA	Thu 8/10/20	Sat 26/12/20	118 days	1 day	574FF+30 days,		
577	Submit & endorse by PM and S	tatutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Mon 31/8/20	Mon 19/10/20	) NA	NA	Sun 27/12/20	Sun 14/2/21	118 days	0.5 days	576		
578	Prepare DDA for and ICE certif	ication (Final)	22 days	0 days	22 days	0%	Tue 20/10/20	Tue 10/11/20	NA	NA	Mon 15/2/21	Mon 8/3/21	118 days	1 day	577		
		Task	Summarv			Inactive N	filestone 💧		Duration-on	lv		Start-only		C	Fyte	nal Mi	[]est/
	r.11 Prog with Progress -May-20		Project Sum	mary	I	Inactive N				nmary Rollup 🗧		Finish-only		3	Dead		10310
15 UI 22-	-iviay-20	Milestone $\blacklozenge$	Inactive Tasl	k		Manual Ta	ask		Manual Sun	mary		External Task	2		Criti	al	



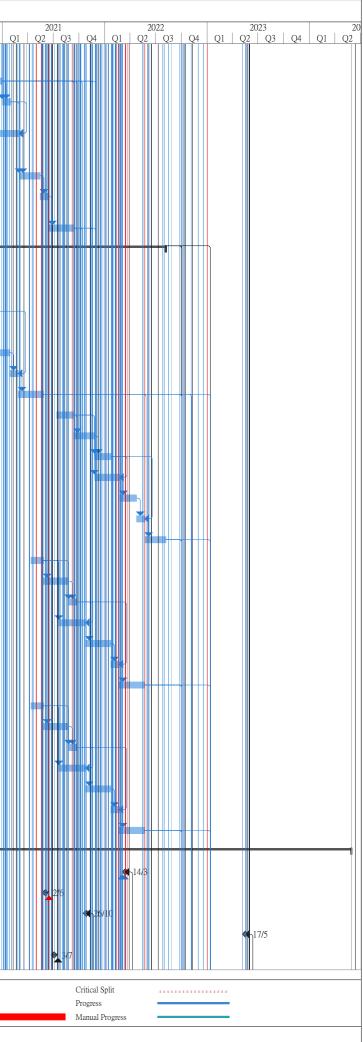
Tas	k Name	Duration		Remaining	Physical %	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total	TRA	Predecessors	202		
579	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	Duration 0 days	Duration 50 days	Complete 0%	Wed 11/11/20	Wed 30/12/20	NA	NA	Tue 9/3/21	Tue 27/4/21	Slack 118 days	1 day	578	Q2	Q3	-
580	Elevated Landscape Deck - Lift (LT1&LT2)& Staircase include E&M Progvision:	50 days	50 days	0 days	100%	Mon 7/10/19	Mon 25/11/19	Mon 7/10/19	Mon	Mon 7/10/19	Mon 25/11/19	0 days	3 days	44FF+12 days		Щ	
581	AIP and ICE Certification (Draft) Submit & endorse by PM	21 days	21 days	0 days	100%	Tue 26/11/19	Mon 16/12/19	Tue 26/11/19	25/11/19 Mon 16/12/	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	-	60 days	0%	Sat 27/6/20	Tue 25/8/20	NA	NA	Fri 14/8/20	Mon 12/10/20	48 days	-	580,581,582,44F			₄∥
584	Prepare DDA and ICE certification (Draft)	60 days	-	60 days	0%	Tue 11/8/20	Wed 14/10/20		NA	Mon 28/9/20	Tue 1/12/20	48 days		580,583FF+50 d			
585	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	-	90 days	0%	Thu 15/10/20	Tue 12/1/21		NA	Wed 2/12/20	Mon 1/3/21		0.5 days				
586	Prepare DDA for and ICE certification (Final)	30 days	-	30 days	0%	Wed 13/1/21	Thu 11/2/21		NA	Tue 2/3/21	Wed 31/3/21	-	0.5 days	585,583FF+12 d			
587	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days		90 days	0%	Fri 12/2/21	Wed 12/5/21		NA	Thu 1/4/21	Tue 29/6/21	48 days		586			
588	Elevated Landscape Deck - Open Space AIP Subm (Draft)	50 days	-	0 days	100%	Mon 10/2/20		Mon 10/2/20	Mon 30/3/20		Mon 30/3/20		3 days	500			
589			-	0 days	100%	Mon 30/3/20		Mon 30/3/20			Mon 20/4/20		0.5 days	599			
	Submit & endorse by PM	21 days		-													
590	Submit & endorse by Statutory Authorities/Gov. Dept	50 days	-	50 days	0%	Mon 6/7/20	Mon 24/8/20		NA	Mon 28/9/20	Mon 16/11/20	84 days		588			
591	Prepare AIP and ICE certification (Final)	30 days	-	30 days	0%	Tue 25/8/20	Wed 23/9/20		NA	Tue 17/11/20	Wed 16/12/20	84 days		588,590,44FF+1			Î
592	Prepare DDA and ICE certification (Draft)	75 days	-	75 days	0%	Thu 24/9/20	Sat 12/12/20		NA	Thu 17/12/20	Sat 6/3/21	84 days		590SS,591			T
193	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	-	50 days	0%	Sun 13/12/20	Sun 31/1/21		NA	Sun 7/3/21	Sun 25/4/21		0.5 days				
94	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			
95	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Mon 22/2/21	Mon 12/4/21	NA	NA	Mon 17/5/21	Mon 5/7/21	84 days	0 days	594			
96	EVA for Open Space AIP Subm (Draft)	71 days	71 days	0 days	100%	Mon 10/2/20	Mon 20/4/20	Mon 10/2/20	Mon 20/4/20	Mon 10/2/20	Mon 20/4/20	0 days	3 days		∎		
97	Submit & endorse by PM	2 days	2 days	0 days	100%	Tue 21/4/20	Mon 27/4/20	Tue 21/4/20	Mon 27/4/20	Tue 21/4/20	Mon 27/4/20	0 days	1 day	596	Ň		
98	Submit & endorse by Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Mon 6/7/20	Mon 24/8/20	NA	NA	Sun 4/10/20	Sun 22/11/20	90 days	1 days	596		1	1
99	Prepare AIP and ICE certification (Final)	30 days	0 days	30 days	0%	Tue 25/8/20	Wed 23/9/20	NA	NA	Mon 23/11/20	Tue 22/12/20	90 days	2 days	596,598,44FF+1			
00	Prepare DDA and ICE certification (Draft)	60 days	0 days	60 days	0%	Thu 24/9/20	Fri 27/11/20	NA	NA	Wed 23/12/20	Thu 25/2/21	90 days	1 day	598SS,599			ł
01	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Sat 28/11/20	Sat 16/1/21	NA	NA	Fri 26/2/21	Fri 16/4/21	90 days	0.5 days	600			
02	Prepare DDA for and ICE certification (Final)	30 days	0 days	30 days	0%	Sun 17/1/21	Mon 15/2/21	NA	NA	Sat 17/4/21	Sun 16/5/21	90 days	0 days	599FF+6 days,60			
3	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Tue 16/2/21	Tue 6/4/21	NA	NA	Mon 17/5/21	Mon 5/7/21	90 days	0 days	602			
)4	Waterfront Promenade and At-grade Open Space	533 days	5.98 days	527.02 days	0%	Wed 1/4/20	Wed 15/9/21	Wed 1/4/20	NA	Wed 1/4/20	Tue 28/9/21	13 days			-	┿╋	╉
05	Prepare AIP for Observation Deck with Lift (LT5) and Staircase and ICE (Include 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	Fri 24/4/20	Wed 1/4/20	Fri 24/4/20	0 days	1 day		╸		
06	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			-
07	Prepare AIP for Observation Deck with Lift (LT5) and Staircase and ICE (Include E&M Provision Works) certification (Final)	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			
08	Prepare DDA for Observation Deck with Lift and Staircase and ICE (Include E&M	100 days	0 days	100 days	0%	Sat 17/10/20	Sun 24/1/21	NA	NA	Sun 22/11/20	Mon 1/3/21	36 days	1 day	605,647,654,607			
)9	Provision Works) certification (Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Mon 25/1/21	Sat 24/4/21	NA	NA	Tue 2/3/21	Sun 30/5/21	36 days	0.5 days	608,607			
10	Prepare DDA for Observation Deck with Lift and Staircase and ICE (Include E&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			
11	Provision Works) certification (Final) 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			
2	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				
3	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 days	612			
14	Prepare AIP for Remaining Works at Waterfront Promenade and ICE (Include E&M Provision Works) certification (Final)	60 days	0 days	60 days	0%	Mon 18/1/21	Thu 18/3/21	NA	NA	Sun 31/1/21	Wed 31/3/21	13 days	2 days	612,613			
5	Prepare DDA for Remaining Works at Waterfront Promenade and ICE (Include E&M Provision Works) certification (Draft)	75 days	0 days	75 days	0%	Tue 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			
5	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Sun 18/4/21	Wed 16/6/21	NA	NA	Sat 1/5/21	Tue 29/6/21	13 days	1 day	615			
7	Prepare DDA for Remaining Works at Waterfront Promenade and ICE (Include E&M Provision Works) certification (Final)	31 days	0 days	31 days	0%	Thu 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			
8	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			
9	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				
	Task	Summarv			Inactive N	Ailestone 💧		Duration-on	v		Start-only		Г	Exte	mal Mile	estone	
-	11 Prog with Progress																



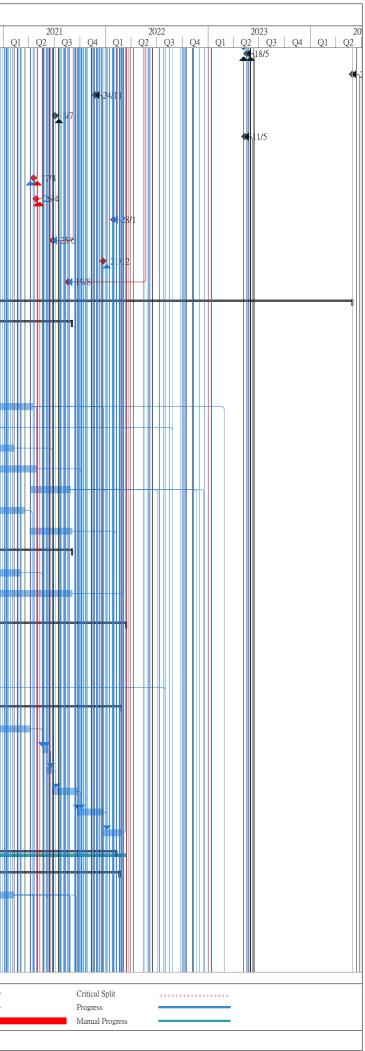
) Ta	adr Noma	T	ion 1 -+ 1	D	Dh:1 0/	Earl- Cr.			ED/2018/01 k	,	Loto End 1	T-+-1	TD A	Deaderson		000
	ask Name	Durati	ion Actual Duratior	Remaining Duration	Physical % Complete	Early Start			rt Actual Fini		Late Finish	Total Slack	TRA	Predecessors	Q2	2020
620	Submit & endorse by PM and Statutory Authorities/Gov. Dept	63 day	ys 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 days	619		
621	AIP for Cladding Design of Landscape Deck, Lifts and associat	ted Works (Final) 52 day	ys 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 days	619,620		
622	DDA for Cladding Design of Landscape Deck, Lifts and associ	ated Works (Draft) 61 day	ys 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 days		
623	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 day	ys 0 days	60 days	0%	Tue 12/1/21	Fri 12/3/21	NA	NA	Sat 13/2/21	Tue 13/4/21	32 days	1 day	622		
624	DDA for Cladding Design of Landscape Deck, Lifts and associ	ated Works (Final) 21 day	ys 0 days	21 days	0%	Sat 13/3/21	Fri 2/4/21	NA	NA	Wed 14/4/21	Tue 4/5/21	32 days	1 day	621FF,622,623		
625	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 day	ys 0 days	62 days	0%	Sat 3/4/21	Thu 3/6/21	NA	NA	Wed 5/5/21	Mon 5/7/21	32 days	2 days	624		
626	AIP for Balustrade and Railing of Promenade, Open Space and (Draft)	Assocated Works 30 day	ys 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			
527	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 day	ys 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		
528	AIP for Balustrade and Railing of Promenade, Open Space and	Assocated Works 25 day	ys 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 days	626,627		
629	(Final) DDA for Balustrade and Railing of Promenade, Open Space an	d Assocated Works 50 day	ys 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		
530	(Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 day	ys 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 days	days 629		
631	DDA for Balustrade and Railing of Promenade, Open Space an	d Assocated Works 15 day	ys 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		
632	(Final) Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 day	ys 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		631		
633	Prepare AIP for Permanent Building Works (i.e. Ampitheater, Toilet Block, Light Refreshment Kiosk, Refuse Collection Blo Building Blocks) and ICE certification (Draft)		ys 0 days	60 days	0%	Wed 29/7/20	Sat 26/9/20	NA	NA	Thu 20/8/20	Sun 18/10/20	22 days		149FF+7 days		
534	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 day	ys 0 days	60 days	0%	Sun 27/9/20	Wed 25/11/20	NA	NA	Tue 3/11/20	Fri 1/1/21	37 davs	0.5 days	633		
635	Prepare AIP for Permanent Building Works (i.e.Ampitheater, (			30 days	0%		Fri 25/12/20		NA	Sat 2/1/21	Sun 31/1/21	37 days		633,634		
	Toilet Block, Light Refreshment Kiosk, Refuse Collection Blo Building Blocks) and ICE certification (Final)	ck, Back of House														
636	Prepare DDA for Permanent Building Works (i.e. Ampitheater Toilet Block, Light Refreshment Kiosk, Refuse Collection Blo Building Blocks) and ICE certification (Draft)		ays 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		
637	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 day	ys 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	635,636		
638	Prepare DDA for Permanent Building Works (i.e. Ampitheater Toilet Block, Light Refreshment Kiosk, Refuse Collection Blo Building Blocks) nd ICE certification (Final)		ys 0 days	30 days	0%	Fri 26/3/21	Sat 24/4/21	NA	NA	Sun 2/5/21	Mon 31/5/21	37 days	0 days	637		
539	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 day	ys 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 days	635,636,638		
640	Prepare AIP for Permanent Building E&M Works (i.e. Ampith Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collect House Building Blocks) and ICE certification (Draft)	eater, Observation 75 day tion Block, Back of	ys 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		
641	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 day	ys 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 days	640		
642	Prepare AIP for Permanent Building E&M Works (i.e. Observ Block, Light Refreshment Kiosk, Refuse Collection Block, Ba Blocks) and ICE certification (Final)	ation Tower, Toilet 30 day ck of House Building	ys 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 days	640,641		
643	Prepare DDA for Permanent Building E&M Works (i.e.Ampit Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collect House Building Blocks) and ICE (Include E&M Provision Wo (Draft)	tion Block, Back of	ays 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		
644	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 day	ys 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 days	642,643		
645	Prepare DDA for Permanent Building E&M Works (i.e. Ampi Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collect House Building Blocks) nd ICE certification (Final)		ys 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 days	644		
646	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 day	ys 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 days	642,643,645		
647	Prepare AIP for Temporary Building Works (i.e. temporary ma toilet blocks) and ICE certification (Draft)	anagement office and 75 day	ys 0 days	75 days	0%	Mon 3/8/20	Fri 16/10/20	NA	NA	Thu 20/8/20	Mon 2/11/20	17 days	1 day	149FF+7 days		
648	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 day	ys 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 days	647		
649	Prepare AIP for Temporary Building Works (i.e. temporary matoilet blocks) and ICE certification (Final)	anagement office and 30 day	ys 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 days	633,634,648,640		
550	Prepare DDA for AIP for Temporary Building Works (i.e. temp office and toilet blocks) and ICE (Include E&M Provision Wor certification (Draft)	ks) and ICE	ays 0 days	150 days	0%	Fri 2/10/20	Sun 28/2/21		NA	Mon 19/10/20	Wed 17/3/21	17 days		633,640,649FF+ days,151FF+15 days		
651	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 day	ys 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 days	649,650		
652	Prepare DDA for AIP for Temporary Building Works (i.e. tem office and toilet blocks) and ICE (Final)			30 days	0%	Sat 15/5/21	Sun 13/6/21		NA	Tue 1/6/21	Wed 30/6/21	17 days		651		
653	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 day	ys 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 days	652		
	Task	Summar	y		Inactive N	Milestone 🔷	1	Duratio	n-only	1	Start-only		C	Exte	rmal Mi	⊒ i?
	V. I I Prog with Progress	Project S		1	Inactive S				Summary Rollup		Finish-only		3		dline	
5 01 22-	Milestone	Inactive	Task		Manual T	Task		Manual	Summary		External Tasl	ks		Criti	cal	



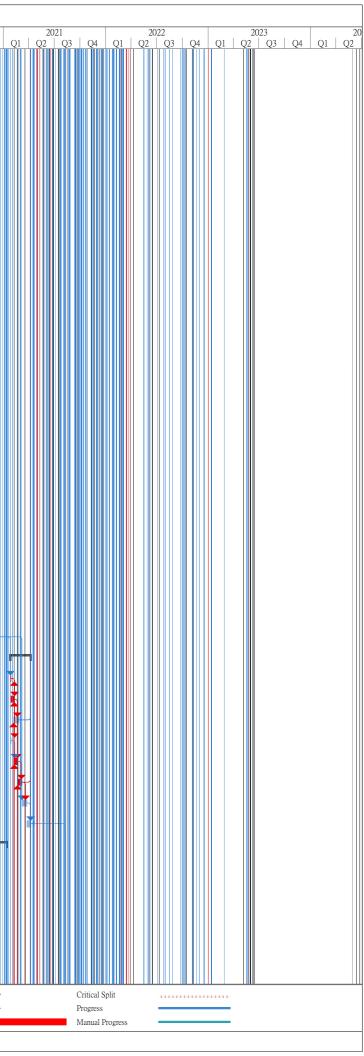
) [	Fask Name	Duration	Actual	Remaining	Physical %	Early Start		ract No. ED/ Actual Start		, , , , , , , , , , , , , , , , , , ,	Late Finish	Total TRA	Predecessors	202	20
654			Duration	Duration	Complete							Slack		Q2	
654	Prepare AIP for Temporary Building E&M Works (i.e. temporary management office and toilet blocks) and ICE certification (Draft)	75 days	0 days	75 days	0%	Mon 3/8/20	Fri 16/10/20	NA	NA	Thu 20/8/20	Mon 2/11/20	17 days 1 day	149FF+7 days		
555	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 days	654		
56	Prepare AIP for Temporary Building E&M 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 days	655,633,634,640		
57	Prepare DDA for AIP for Temporary Building E&M Works (i.e. temporary management office and toilet blocks) and ICE (Include E&M Provision Works) and ICE certification (Draft)	150 days	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	633,640,656FF+ days,151FF+15 days		
58	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 days	656,657		
59	Prepare DDA for AIP for Temporary Building E&M 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 days	658		
0	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 days	659		
1	Landscaping and Irrigation works	858 days	23.33 days	834.67 days	0%	Wed 1/4/20	Sat 6/8/22	Wed 1/4/20	NA	Wed 1/4/20	Sun 23/10/22	78 days			
2	Prepare AIP for Roadside Landscaping Softworks and ICE certification (Draft)	38 days	38 days	0 days	100%	Wed 1/4/20	Fri 8/5/20	Wed 1/4/20	Fri 8/5/20	Wed 1/4/20	Fri 8/5/20	0 days 1 day			
3	Submit & endorse by PM and Statutory Authorities/Gov. Dept	113 days	13 days	100 days	12%	Sat 9/5/20	Sat 29/8/20	Sat 9/5/20	NA	Sat 9/5/20	Mon 20/9/21	387 days 0.5 days	662		
54	Prepare AIP for roadside landscaping softworks and ICE certification (Final)	30 days	0 days	30 days	0%	Sun 30/8/20	Mon 28/9/20	NA	NA	Tue 21/9/21	Wed 20/10/21	387 days 0 days	662,663		
55	Prepare DDA for Roadside Landscaping Softworks and ICE certification (Draft)	95 days	0 days	95 days	0%	Sun 26/7/20	Wed 28/10/20	NA	NA	Tue 17/8/21	Fri 19/11/21	387 days 1 day	662,664FF+30		₩
56	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days		90 days	0%	Thu 29/10/20	Tue 26/1/21		NA	Sat 20/11/21	Thu 17/2/22	387 days 0.5 days	days 665		
67	Prepare DDA for Roadside Landscaping Softworks and ICE certification (Final)	30 days	0 days	30 days	0%	Wed 27/1/21	Thu 25/2/21	NA	NA	Fri 18/2/22	Sat 19/3/22	387 days 0 days	666,664FF+15		
58	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Fri 26/2/21	Wed 26/5/21	NA	NA	Sun 20/3/22	Fri 17/6/22	387 days 0 days	days 667		
59	Prepare AIP for irrigation system for all landscaping works and ICE certification	60 days	0 days	60 days	0%	Tue 13/7/21	Fri 10/9/21	NA	NA	Wed 29/9/21	Sat 27/11/21	78 days 1 day			
70	(Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Sat 11/9/21	Wed 24/11/21	NA	NA	Sun 28/11/21	Thu 10/2/22	78 days 0.5 days	669		
1	Prepare AIP for irrigation system for all landscaping works and ICE certification	60 days	0 days	60 days	0%	Thu 25/11/21	Sun 23/1/22	NA	NA	Fri 11/2/22	Mon 11/4/22	78 days 0 days	669,670		
2	(Final) Prepare DDA for irrigation system for all landscaping works and ICE certification	90 days	0 days	90 days	0%	Thu 25/11/21	Tue 22/2/22	NA	NA	Fri 11/2/22	Wed 11/5/22	78 days 1 day	669,671FF+30		
73	(Draft) Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Wed 23/2/22	Sat 23/4/22	NA	NA	Thu 12/5/22	Sun 10/7/22	78 days 0.5 days	days 672		
74	Prepare DDA for irrigation system for all landscaping works and ICE certification	30 days	0 days	30 days	0%	Sun 24/4/22	Mon 23/5/22	NA	NA	Mon 11/7/22	Tue 9/8/22	78 days 0 days	673,671FF+15		
75	(Final) Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Tue 24/5/22	Sat 6/8/22	NA	NA	Wed 10/8/22	Sun 23/10/22	78 days 0 days	days 674		
6	Prepare AIP for Soft Landscaping works and ICE certification (Draft)	45 days	0 days	45 days	0%	Mon 12/4/21	Wed 26/5/21	NA	NA	Tue 14/9/21	Thu 28/10/21	155 days 1 day			
7	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Thu 27/5/21	Tue 24/8/21	NA	NA	Fri 29/10/21	Wed 26/1/22	155 days 0.5 days	676		
3	Prepare AIP for soft landscaping and ICE certification (Final)	30 days	0 days	30 days	0%	Wed 25/8/21	Thu 23/9/21	NA	NA	Thu 27/1/22	Fri 25/2/22	155 days 0 days	676,677		
9	Prepare DDA for Soft Landscaping and ICE certification (Draft)	95 days	0 days	95 days	0%	Wed 21/7/21	Sat 23/10/21	NA	NA	Thu 23/12/21	Sun 27/3/22	155 days 1 day	676,678FF+30		
0	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Sun 24/10/21	Fri 21/1/22	NA	NA	Mon 28/3/22	Sat 25/6/22	155 days 0.5 days	days 679		
81	Prepare DDA for Soft Landscaping and ICE certification (Final)	30 days	0 days	30 days	0%	Sat 22/1/22	Sun 20/2/22	NA	NA	Sun 26/6/22	Mon 25/7/22	155 days 0 days	678FF+15		
82	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Mon 21/2/22	Sat 21/5/22	NA	NA	Tue 26/7/22	Sun 23/10/22	155 days 0 days	days,680 681		
33	Prepare AIP for Hard Landscaping and ICE certification (Draft)	45 days	0 days	45 days	0%	Mon 12/4/21	Wed 26/5/21	NA	NA	Tue 14/9/21	Thu 28/10/21	155 days 1 day			
584	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Thu 27/5/21	Tue 24/8/21	NA	NA	Fri 29/10/21	Wed 26/1/22	155 days 0.5 days	683		
585	Prepare AIP for Hard landscaping and ICE certification (Final)	30 days	0 days	30 days	0%	Wed 25/8/21	Thu 23/9/21	NA	NA	Thu 27/1/22	Fri 25/2/22	155 days 0 days	683,684		
586	Prepare DDA for Hard Landscaping and ICE certification (Draft)	95 days	0 days	95 days	0%	Wed 21/7/21	Sat 23/10/21	NA	NA	Thu 23/12/21	Sun 27/3/22	155 days 1 day	683,685FF+30		
687	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Sun 24/10/21	Fri 21/1/22	NA	NA	Mon 28/3/22	Sat 25/6/22	155 days 0.5 days	days 686		
588	Prepare DDA for Hard Landscaping and ICE certification (Final)	30 days	0 days	30 days	0%	Sat 22/1/22	Sun 20/2/22	NA	NA	Sun 26/6/22	Mon 25/7/22	155 days 0 days	685FF+15		
689	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Mon 21/2/22	Sat 21/5/22	NA	NA	Tue 26/7/22	Sun 23/10/22	155 days 0 days	days,687 688		
590	Work Stage/ Phase - Planned Completion	1387 days		1387 days	0%	Tue 11/8/20	Wed 29/5/24		NA	Fri 7/8/20	Wed 29/5/24	-4 days			
91	Section 1		0 days	0 days	0%	Mon 14/3/22	Mon 14/3/22		NA	Tue 1/3/22	Tue 1/3/22	-13 days 0 days	1105FF,1438,73		
92	Section 2		0 days	0 days	0%	Wed 2/6/21	Wed 2/6/21		NA	Wed 2/6/21	Wed 2/6/21	0 days 0 days	1127		
93	Section 3		0 days	0 days	0%	Tue 26/10/21	Tue 26/10/21		NA	Tue 2/11/21	Tue 2/11/21	7 days 0 days	1172FF		
94	Section 4		0 days	0 days	0%	Wed 17/5/23	Wed 17/5/23		NA	Tue 30/5/23	Tue 30/5/23	13 days 0 days	1133FF		
95	Section 5		0 days	0 days	0%	Sat 3/7/21		NA	NA	Mon 5/7/21	Mon 5/7/21	2 days 0 days	1222		
tle <sup>.</sup> Re	v.11 Prog with Progress	Summary			Inactive N	Ailestone 🔷		Duration-or	ly		Start-only	C	Exter	mal Mile	estone
	2-May-20	Project Sumi Inactive Tasl			Inactive S Manual T			<ul> <li>Manual Sur</li> <li>Manual Sur</li> </ul>	nmary Rollup 🗧		Finish-only External Task	3	Dead		
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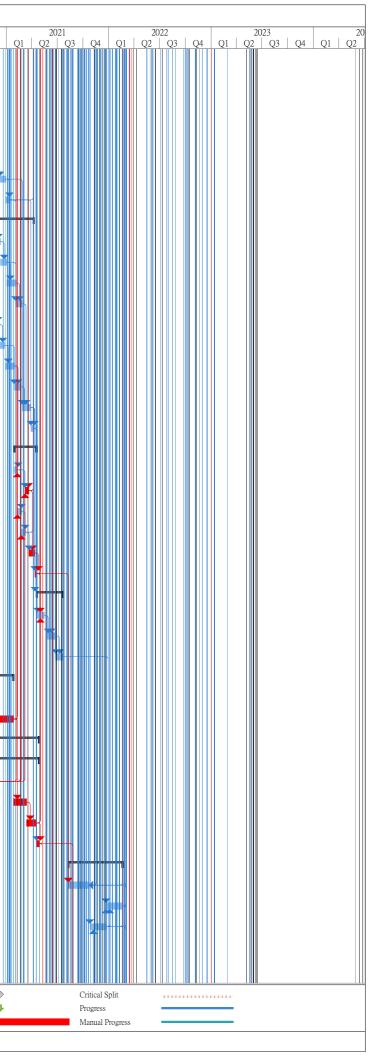
)	Task Name		Duration	Actual	Remaining	Physical %	Early Start		tract No. ED/	Actual Finish	-	Late Finish	Total	TRA	Predecessors	202	20	
				Duration	Duration	Complete							Slack				Q3	
696	Section 6		0 days	0 days	0 days	0%	Thu 18/5/23	Thu 18/5/23		NA	Tue 30/5/23	Tue 30/5/23	12 days	0 days	1357FF,1546FF,			
697	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			
99	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			
00	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			
01	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/
702	KD2		0 days	0 days	0 days	0%	Sat 17/4/21	Sat 17/4/21	NA	NA	Sun 18/4/21	Sun 18/4/21	1 day	0 days	791,821,771,774			
703	KD3		0 days	0 days	0 days	0%	Mon 26/4/21	Mon 26/4/21	NA	NA	Tue 1/6/21	Tue 1/6/21	36 days	0 days	822,821			
04	KD4		0 days	0 days	0 days	0%	Fri 28/1/22	Fri 28/1/22	NA	NA	Mon 31/1/22	Mon 31/1/22	3 days	0 days	1255FF			
05	KD5		0 days	0 days	0 days	0%	Fri 25/6/21	Fri 25/6/21	NA	NA	Fri 17/9/21	Fri 17/9/21	84 days	0 days	1252FF			
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	8 days	0 days	883			
707	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			
708	Construction Works		1499 day	s75.67 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?			_	₩	┦
09	Procurement of Materials and Equipm	ents	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			$\blacksquare$	₩	4
10	Office Accommodation		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					
10	Lift Submission Preparation		15 days		15 days	0%	Sat 12/9/20		NA	NA	Wed 23/9/20	Wed 7/10/20		0.5 days	173			-
11	Lift Comment & Approval		21 days		21 days	0%	Sun 27/9/20	Sat 20/9/20 Sat 17/10/20		NA	Thu 8/10/20	Wed 28/10/20		0.5 days				I
					-													ľ
13	Lifts ((5 nos)	1	180 days		180 days	0%	Sun 18/10/20	Thu 15/4/21		NA	Thu 29/10/20	Mon 26/4/21			712			
14	Pumps for Pump Room next to Un		150 days		150 days	0%	Sat 23/5/20	Thu 19/11/20		NA	Wed 8/7/20	Tue 5/1/21		30 days				1
15	Elevated landscape deck soffit pane		120 days		120 days	0%	Mon 14/9/20	Sat 6/2/21	NA	NA	Thu 4/2/21	Mon 5/7/21		30 days				ł
16	Underpass & Depressed Rd - facad	es	120 days	0 days	120 days	0%	Tue 1/12/20	Thu 29/4/21	NA	NA	Wed 12/5/21	Mon 4/10/21	129 days	30 days				
17	E & M equipment & fittings (for C	pen 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				
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 Pumpin	ng 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				III	-
21	TTA Application for Junction Mod	ification 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 chi 4 nos. of signaling cable along Nor	lled water pipes under contract no. 2852EM17A and th 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				1
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			++	₩	-
.4	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			++	₩	-
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	•.		
.7	Part 1 - Junction Modification Rd I	.6 & D2	414 days	0 days	414 days	0%	Mon 5/10/20	Fri 25/2/22	NA	NA	Mon 23/11/20	Tue 1/3/22	3 days					
28	XP Application for Junction Mo	dification Rd L6 & D2	182 days	0 days	182 days	0%	Mon 5/10/20	Sun 4/4/21	NA	NA	Mon 23/11/20	Sun 23/5/21	49 days	1 day				
9	Stage 1: Trial Pit to locate the e	xisting underground cables and utilities	14 days	0 days	14 days	0%	Thu 20/5/21	Fri 4/6/21	NA	NA	Mon 24/5/21	Tue 8/6/21	3 days	1 day	141,375,721,728			
0	_	xisting underground cables and utilities	14 days	-	14 days	0%	Sat 5/6/21		NA	NA	Wed 9/6/21	Fri 25/6/21	3 days	1 day	729			
31	_	rb Modification + Road Marking	76 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			
32	Stage 4: TTA for Central Divid	-	76 days	-	76 days	0%	Tue 21/9/21	Tue 21/12/21		NA	Sat 25/9/21	Fri 24/12/21	3 days	1 day	731,113			
3	Stage 5: Construct 2 Dividers		51 days		51 days	0%	Wed 22/12/21		NA	NA	Tue 28/12/21	Tue 1/3/22	3 days	1 day	732			
34	_	· 1 . ) (1110)7 1444 7	-	-	-										152			
	Bridge D3 (Approach Ramp and B	ndge) CH1087-1444.7	-	91.74 days	720.26 days	0%	Thu 16/5/19	Mon 7/2/22	Thu 16/5/19		Mon 11/11/19	Wed 29/5/24	687 days					1
5	North Approach Ramp		-	66.85 days	569.15 days	0%	Wed 25/12/19		Wed 25/12/19		Wed 25/12/19	Tue 1/3/22	9 days					,
6	Procurement of Movement J	oints 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			1
7	Sheetpile Driven along Nort long)	h, Sourth & East Side ELS Cofferdam (assume 169	4 days	4 days	0 days	100%	Tue 14/1/20	Fri 17/1/20	Tue 14/1/20	Fri 17/1/20	Tue 14/1/20	Fri 17/1/20	0 days	0.5 day				
8	KTSP Completed Driven H-	pile Installation	41 days	41 days	0 days	100%	Wed 25/12/19	Mon 3/2/20	Wed 25/12/19	Mon 3/2/20	Wed 25/12/19	Mon 3/2/20	0 days					
9	Hoarding Removal along KT	'SP Site	5 days	5 days	0 days	100%	Tue 4/2/20	Sat 8/2/20	Tue 4/2/20	Sat 8/2/20	Tue 4/2/20	Sat 8/2/20	0 days	0.5 day	738			
	ou 11 Drog with Drog	Task	Summary			Inactive N	filestone 🔷		Duration-on	ly		Start-only		C	Exter	nal Mile	stone	;
	ev.11 Prog with Progress 22-May-20	Split	Project Sum		1	Inactive S	ummary		Manual Sun	nmary Rollup 🗧		Finish-only		3	Dead	line		
	-	Milestone 🔶	Inactive Tas	de la		Manual T	a ala		Manual Sun			External Task			Critic	-01		



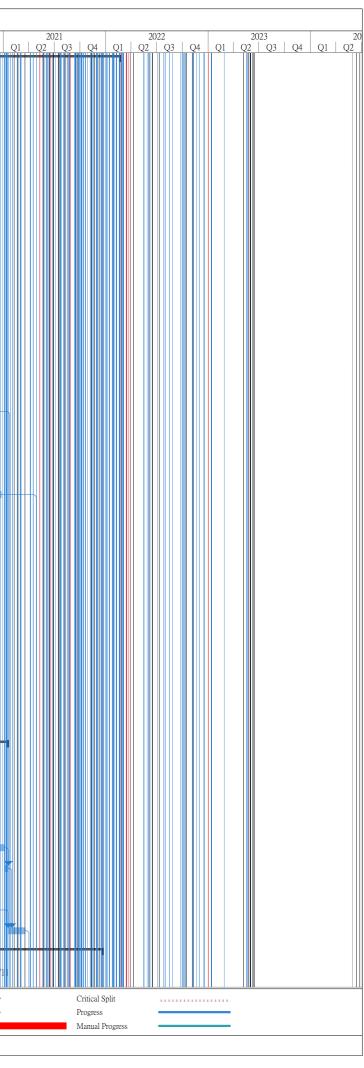
D Tas	isk Name		Duration	Actual	Remaining	Physical %	Early Start		Actual Start	2018/01 KT		Late Finish	Total	TRA	Predecessors	202
740		rn ELS Cofferdam (assume 105m long)		Duration 8 days	Duration 0 days	Complete 100%	Tue 11/2/20		Tue 11/2/20	Wed 19/2/20		Wed 19/2/20	Slack 0 days	0.5 day	737,739	Q2
															151,159	
741	Excavattion with Shoring and include Sand Raplacemnet Te	Waling Installation with Rock Fill Replacement est 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 S Replacement include Sand Ra	boring and Waling Installation with Rock Fill aplacemnet 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	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			
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 days	
745	Bay No.3: Wall & Colum	n with Soffit (upto +4.6mPD) (include Wall Former)	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 Wea	ther	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		n Casted and Formwork & Falsework upto Soffit 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	
748	Top Slab(6)+(7) Bay No. 3: Top Slab Cons	truction 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		n with Soffit (upto +4.6mPD) (include Wall Former)	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	
751	(3)+(4)+(5) Bay No. 2: Wall & Colum	in Casted and Formwork & Falsework upto Soffit of	-	-	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	
752	Top Slab (6)+(7)	truction with Formwork & Falsework Erection(8)			12 days	0%	Wed 8/7/20		NA	NA	Sat 4/7/20	Fri 17/7/20	-3 days		751,748FF+2	
753	Bay No.4 Base Slab with		15 days		0 days	100%	Wed 1/4/20		Wed 1/4/20	Wed 13/5/20		Wed 13/5/20	0 days	1 day	days 741SS+35 days	
754	·	n with Soffit (upto +4.6mPD) (include Wall Former)	-	-	14 days	36%	Thu 14/5/20	Tue 9/6/20		NA	Thu 14/5/20	Tue 9/6/20	-3 days		753,7508S+7	
755	(3)+(4)+(5)	in Casted and Formwork & Falsework upto Soffit of			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)	truction with Formwork & Falsework Erection (8)	-	-	14 days	0%	Mon 6/7/20		NA	NA	Thu 2/7/20	Fri 17/7/20	-3 days		755,751SS+4	
757	Backfill (9)	ardenon while formwork & Faise work Election (0)	12 days		12 days	0%	Wed 22/7/20		NA	NA	Sat 18/7/20	Fri 31/7/20	-3 days		days 756,752,748	
758		Road Reinstatement (10) (KD1)		0 days	6 days	0%	Wed 5/8/20		NA	NA	Sat 1/8/20	Fri 7/8/20	-3 days	-		
759	_		· ·		-									0.5 days	151	
	North Approach Ramp (Bays		92 days		92 days	0%	Mon 24/8/20	Mon 23/11/20		NA	Thu 27/8/20	Thu 17/12/20	3 days		540 55000 4 1	
760	Bay No.5 Base Slab with	- · ·	-	0 days	8 days	0%	Thu 10/9/20		NA	NA	Mon 14/9/20	Tue 22/9/20	3 days	1 day	749,753SS+4 da;	
761	(3+4+5)	n with Soffit (upto +4.6mPD) (include Wall Former)			12 days	0%	Sat 19/9/20	Mon 5/10/20		NA	Wed 23/9/20	Thu 8/10/20	3 days	1 day	760	
762	Top Slab (6)+(7)	in Casted and Formwork & Falsework upto Soffit of	-	-	20 days	0%	Tue 6/10/20	Thu 29/10/20		NA	Fri 9/10/20	Mon 2/11/20	3 days	1 day	761,755SS+4 days	
763	Removal (8)	truction with Formwork & Falsework Erection &	12 days	0 days	12 days	0%	Fri 30/10/20	Thu 12/11/20		NA	Tue 3/11/20	Mon 16/11/20	3 days	1 day	762,227FF	
764	Bay No.6 Base Slab with		15 days	-	15 days	0%	Mon 24/8/20	Wed 9/9/20		NA	Thu 27/8/20	Sat 12/9/20	3 days	1 day	741SS+35 days	
765	Bay No.6: Wall & Colum (3)+(4)+(5)	n with Soffit (upto +4.6mPD) (include Wall Former)	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	764	
766	Bay No. 6: Wall & Colum Top Slab(6)+(7)	in 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	765	
767	Bay No. 6: Top Slab Cons Removal (8)	truction with Formwork & Falsework Erection &	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	
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			
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	
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	
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	
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	
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	
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	
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	
776	Bays No.7&8: Extract She	etpile	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	
777	North Approach Ramp (Bays	No.2,3,4) (Next to KTSP)	149 days	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			
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		
779		n with Soffit (upto +4.6mPD) (include Wall Former)	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	
780		n 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	
781	Top Slab(6)+(7) Bay No. 3: Top Slab Cons	truction with Formwork & Falsework Erection &	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	779,780	
782	Removal (8) Bay No.2 Base Slab with		15 days		15 days	0%	Mon 17/8/20	Wed 2/9/20		NA	Tue 25/8/20	Thu 10/9/20	7 days	-	778FS-21 days	
783	-	n with Soffit (upto +4.6mPD) (include Wall Former)	-		17 days	0%	Thu 3/9/20	Tue 22/9/20		NA	Wed 7/10/20	Tue 27/10/20	27 days		782	
	(3)+(4)+(5)							22.720					aujs			
	.11 Prog with Progress		Summary Project Sum	marv			Milestone 🔷 Summary		Duration-or Manual Sur	ıly 📃 nmary Rollup 💼		Start-only Finish-only		C ]	Exter	nal Mile line
as of 22-	-May-20		nactive Tas		-	Manual	-		Manual Sur			External Task		-	Criti	



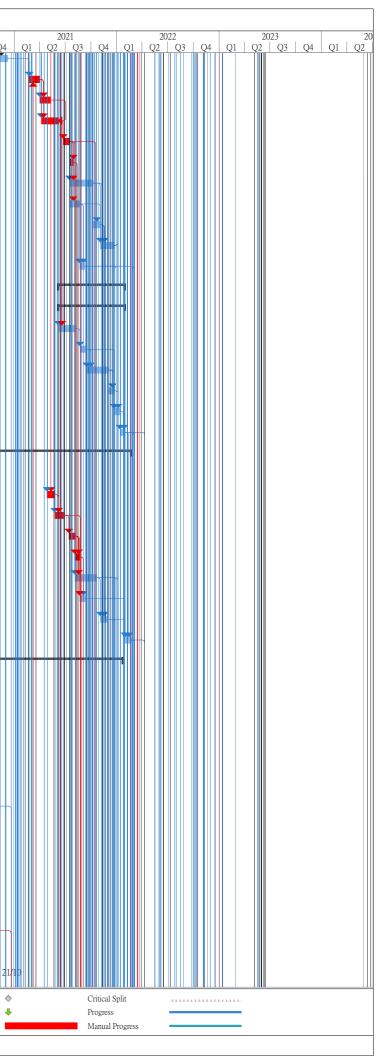
D Tas	sk Name	Duration	Actual	Remaining	Physical %	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total	TRA	Predecessors	2
			Duration	Duration	Complete							Slack			Q2
784	Bay No. 2: Wall & Column Casted and Formwork & Falsework upto Soffit o Top Slab(6)+(7)	of 27 days	0 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	[
785		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	
786	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	
787	Bay No.4: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former	r) 17 days	0 days	17 days	0%	Fri 4/9/20	Wed 23/9/20	NA	NA	Sat 12/9/20	Sat 3/10/20	7 days	1 day	786	
788	(3)+(4)+(5) Bay No. 4: Wall & Column Casted and Formwork & Falsework upto Soffit o	of 27 davs	0 davs	27 days	0%	Thu 24/9/20	Wed 28/10/20	NA	NA	Mon 5/10/20	Thu 5/11/20	7 days	1 day	787	
789	Top Slab(6)+(7) Bay No. 4: Top Slab Construction with Formwork & Falsework Erection &		-	17 days	0%	Thu 29/10/20	Tue 17/11/20		NA	Fri 6/11/20	Wed 25/11/20		1 day	787,788	
	Removal (8)														
790	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	7
791	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	
792	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			
793	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,	
794	Bay No.5: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former	r) 17 davs	0 davs	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	
795	(3)+(4)+(5) Bay No. 5: Wall & Column Casted and Formwork & Falsework upto Soffit o		-		0%	Sat 2/1/21		NA	NA	Wed 6/1/21	Fri 5/2/21		-	794	
	Top Slab(6)+(7)			27 days									1 day		
796	Bay No. 5: Top Slab Construction with Formwork & Falsework Erection & Removal (8)	17 days	0 days	17 days	0%	Wed 3/2/21		NA	NA	Sat 6/2/21	Mon 1/3/21	3 days	1 day	794,795,791	
797	Bay No.6 Base Slab with Blinding (1)+(2)	15 days	0 days	15 days	0%	Wed 18/11/20	Fri 4/12/20	NA	NA	Thu 26/11/20	Sat 12/12/20	7 days	1 day	789	
798	Bay No.6: Wall & Column with Soffit (upto +4.6mPD) (include Wall Forme: (3)+(4)+(5)	r) 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	
799	Bay No. 6: Wall & Column Casted and Formwork & Falsework upto Soffit o	of 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	
800	Top Slab(6)+(7) Bay No. 6: Top Slab Construction with Formwork & Falsework Erection &	17 davs	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	
801	Removal (8) Bay No.5&6: Backfilling upto +3.0mPD				0%	Fri 26/2/21		NA		Tue 2/3/21	Wed 31/3/21			790,800,796	
		26 days	-	26 days					NA				1 day		
802	Bay No.5&6: Sheetpile Extraction (KD2)	6 days	0 days	6 days	0%	Mon 29/3/21	Wed 7/4/21	NA	NA	Thu 1/4/21	Sat 10/4/21	3 days	0.5 days	801,791	
803	North Approach Ramp (Bays 7&8) (Next to KTSP)	79 days	0 days	79 days	0%	Fri 29/1/21	Sat 17/4/21	NA	NA	Thu 11/2/21	Sat 17/4/21	0 days			
804	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	
805	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	
806	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	
807	Bay 8: Wall	12 days		12 days	0%	Tue 23/2/21		NA	NA	Mon 8/3/21	Sat 20/3/21	11 days	· · ·	806,819	
	-		-												
808	Bays No.7&8: Backfilling	15 days	0 days	15 days	0%	Mon 22/3/21		NA	NA	Mon 22/3/21	Sat 10/4/21	0 days	1 day	807,805	
809	Bays No.7&8: Extract Sheetpile	6 days	0 days	6 days	0%	Mon 12/4/21	Sat 17/4/21	NA	NA	Mon 12/4/21	Sat 17/4/21	0 days	1 day	808,801,802	
810	CH1087-1189 (100m): North Approach Ramp: Parapet, Central Median & Furniture	77 days	0 days	77 days	0%	Mon 19/4/21	Wed 21/7/21	NA	NA	Thu 23/9/21	Tue 14/12/21	122 days		718	
811	CH1087-1189: Parapet (28m per day per team) x 1 team + 6 day concreting	23 days	0 days	23 days	0%	Mon 19/4/21	Sat 15/5/21	NA	NA	Thu 23/9/21	Thu 21/10/21	130 days	2 day	809,776,821	
812	CH1087-1189: Central Median and Utilties Trough (6m per day per team) x	1 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	
813	team CH1087-1189: Road Furniture	21 days	-	21 days	0%	Sat 26/6/21	Wed 21/7/21		NA	Sat 20/11/21	Tue 14/12/21	122 days		812,358	
			-	-									Juays	012,000	
814	North Approach Ramp: Bay No. 1	135 days		135 days	0%	Fri 14/8/20	Mon 25/1/21		NA	Fri 14/8/20	Mon 25/1/21	0 days			
815	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	
816	Bay 1: Wall	83 days	0 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	
817	Part 3G - CH1189.4 to CH1229 North Abutment	180 days	0 days	180 days	0%	Tue 15/9/20	Mon 26/4/21	NA	NA	Tue 15/9/20	Mon 26/4/21	0 days			
818	North Abutment	180 days	0 days	180 days	0%	Tue 15/9/20	Mon 26/4/21	NA	NA	Tue 15/9/20	Mon 26/4/21	0 days			
819	North Abutment - Base Slab	25 days	-	25 days	0%	Tue 15/9/20	Thu 15/10/20		NA	Tue 15/9/20	Thu 15/10/20		1 day	815	
820	North Abutment Wall (3.85m thk)	37 days	-	37 days	0%	Tue 26/1/21		NA	NA	Tue 26/1/21	Fri 12/3/21		1 day	816	
821	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	
822	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	
823	At Grade Road Works CH1000-2124	157 days	0 days	157 days	0%	Tue 10/8/21	Fri 18/2/22	NA	NA	Thu 4/11/21	Tue 1/3/22	9 days			
824	CH1000-1087 At grade road works	60 days	0 davs	60 days	0%	Tue 10/8/21	Thu 21/10/21	NA	NA	Wed 15/12/21	Tue 1/3/22	106 days	1 dav	776,809,332,341	
825	CH1444.7-1560 At grade road works			45 days	0%	Wed 22/12/21		NA	NA	Wed 5/1/22	Tue 1/3/22		1 day	1293,826,219	
	-	45 days													
826	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	
827	Bridge 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			
828	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	Summer			Turation 3	Vilestone 🔷		Dunati	 		Stort and		г	E -	emal Mi
	11 Prog with Progress Task Split	Summary Project Sum	ımary		Inactive M			Duration-on Manual Sun	ly 📃 1mary Rollup 🗖		Start-only Finish-only		C ]		ernal Mi dline
as of 22-	May-20 Spin Milestone	Inactive Tas		đ	Manual T			Manual Sun			External Task	IS .	-	Crit	
									-						



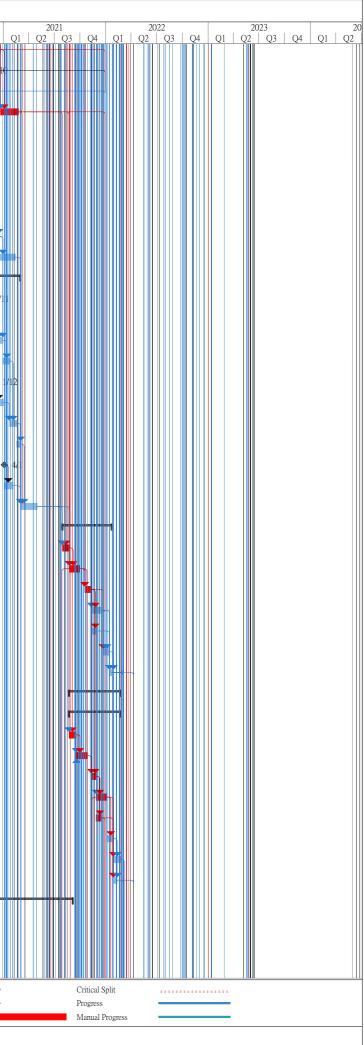
D Task I	Jame	Duration A	Actual	Remaining	Physical %	Early Start		ract No. ED/			Late Finish	Total	TRA	Predecessors	20	)20
		I	Duration	Duration	Complete							Slack	IKA	Predecessors	Q2	
829	Part 3C - CH1229 to CH1279	823 days?1	137.51 days	685.49 days?	0%	Thu 16/5/19	Sat 19/2/22	Thu 16/5/19	NA	Mon 11/11/19	Wed 29/5/24	676 da				T
830	Abutment A01 Piling	0 days 0	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 4	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 2	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			
833	Abutment A01: Pile Testing (28d curing & 14 test) - 1 full-core to be carried out	37 days 0	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		<b>k</b> h
834	Abutment A01: Proof-drilling Works	11 days 0	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	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		
836	CH1229: Pre-drilling Works	21 days 2	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			
837	Pier P01 Piling, Pilecap & Pier	0 days 0	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				
838		44 days 4	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			
839	Risk) Bored pile (P01-BP1) @ CH1229 by Rig 1 (Contractor Bear DDA Approval	38 days 3	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		
840	Risk)	45 days 0		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		10 days 0		10 days	0%	Fri 17/7/20	Tue 28/7/20			Thu 27/8/20	Mon 7/9/20	35 days		839,840		₽
842	-	98 days 0	-	98 days	0%	Mon 15/6/20	Sun 11/10/20		NA	Sat 29/8/20	Fri 13/11/20	28 days	,			$\square$
843	-			17 days	0%	Wed 29/7/20	Mon 17/8/20		NA	Tue 8/9/20	Sat 26/9/20		1 day	841	"	
		17 days (		-								35 days		041		
844		-	0 days	0 days	0%	Mon 15/6/20	Mon 15/6/20			Sat 29/8/20	Sat 29/8/20	75 days		0.11		15/
845		30 days 0		30 days	0%	Mon 15/6/20	Tue 14/7/20		NA	Sat 29/8/20	Sun 27/9/20	75 days		844		
846	-	24 days 0		24 days	0%	Tue 18/8/20	Mon 14/9/20			Mon 28/9/20	Wed 28/10/20	35 days		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		
848	Pier - Formwork Design and Method Statement Submission	0 days 0	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			
849	Pier - Formwork Design and Method Statement Comment & Appraoval	35 days 0	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		
850	Pier P01 @ CH1229	49 days 0	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		
851	CH1269: Pre-drilling Works	30 days 3	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		
852	Abandon the Installed defected Bored pile (P02-BP2) @ CH1269	35 days 3	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		$\parallel$
853	Pier P02 Piling, Pilecap & Pier	1 day? 0	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				
854	Predrilling works for Bored pile (P02-BP2)(Abandoned) @ CH1269	11 days 0	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		
855	Casing Extraction for Abandoned P02-BP2 Bored Pile	20 days 0	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		
856	Bored pile (P02-BP2)(Remedial) @ CH1269	30 days 0	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)	26 days 2	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	+	
858	Pile Testing (18d curing & 14 test)	32 days 0	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		$\ \cdot$
859			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 dav	839,840,858		
860	-	-	0 days	0 days	0%	Mon 29/6/20	Mon 29/6/20		NA	Tue 22/9/20	Tue 22/9/20	85 days				29
861		30 days 0		30 days	0%	Mon 29/6/20	Tue 28/7/20			Tue 22/9/20	Wed 21/10/20	85 days		860		
862	Appraoval	120 days 0	-	-	0%	Mon 29/6/20 Mon 24/8/20	Sat 16/1/21			Thu 22/10/20	Fri 29/1/21	11 days	1 uay	000		ſ
				120 days									2 -1-	061 050 140 050		
863		17 days (		17 days	0%	Fri 9/10/20	Thu 29/10/20			Thu 22/10/20	Wed 11/11/20	11 days		861,858,140,859		
864		18 days 0		18 days	0%	Fri 30/10/20	Thu 19/11/20		NA	Thu 12/11/20	Wed 2/12/20	11 days		863		
865			0 days	0 days	0%	Mon 24/8/20	Mon 24/8/20		NA	Thu 12/11/20	Thu 12/11/20	80 days				
866		21 days 0		21 days	0%	Mon 24/8/20	Sun 13/9/20			Thu 12/11/20	Wed 2/12/20	80 days		865		
867	Pilecap structure	36 days 0	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		
868	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		
869	Pier - Temp. Works Design and Method Statement Submission	0 days 0	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	s 1 day			
870	Pier - Temp. Works Design and Method Statement Comment & Appraoval	30 days 0	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	s 1 day	869		
871	Pier P02 @ CH1270	49 days 0	0 days	49 days	0%	Mon 18/1/21	Thu 18/3/21	NA	NA	Sat 30/1/21	Wed 31/3/21	11 days	1 day	868,211,870		
872	Stage 1: Bridge deck between CH1229-1311	340 days 0	0 days	340 days	0%	Mon 2/11/20	Tue 21/12/21	NA	NA	Tue 19/1/21	Wed 29/12/21	5 days				
873	Bridge Deck - Temp. Works Design and Method Statement Submission	0 days 0	0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20	NA	NA	Tue 19/1/21	Tue 19/1/21	78 days	1 day			
	T <sub>al</sub> .	<u> </u>			Taxa of a N	Glaston-		Durant			Stand a 1		Г	P.		
Title: Rev.11 as of 22-Ma	Prog with Progress	ummary roject Summ	nary [		Inactive N Inactive S			Duration-on Manual Sun	iy 🛄 imary Rollup 💼		Start-only Finish-only		3	Exten	nal Mile ine	eston
						-					-					



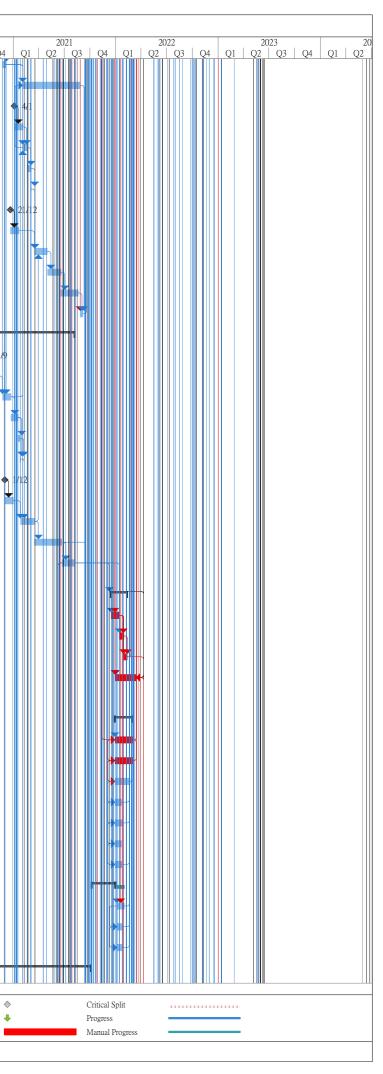
) (	Task Name		Duration	Actual	Domoining	Dhusical 0/	Farly Stout	Forly Einish	Actual Start	Actual Emi-1	Lata Start	Late Einich	Total	TPA	Predecessors	0	020
	Fask Name		Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors		.020   Q
874	Bridge Deck - Temp. Works D Appraoval	esign and Method Statement Comment &	35 days	0 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 day	873		
75	CH1229-1311: Deck Falsework	cerection 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 day	874,922		
76	CH1229-1311: Deck Falsework	c 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 days	875,871		
7	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 day	475,483,736,87	5	
78	CH1229-1311: Prestressing		18 days	0 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		
79	CH1229-1311: Falsework Under	er Main Deck Removal	12 days	0 days	12 days	0%	Fri 16/7/21	Thu 29/7/21	NA	NA	Fri 16/7/21	Thu 29/7/21	0 days	0.5 day	878		
80	CH1229-1311: Utility Trough	(0.67m per day per team) x 4 team	70 days	0 davs	70 days	0%	Fri 16/7/21	Thu 7/10/21	NA	NA	Thu 22/7/21	Wed 13/10/21	5 days	9 days	219,878		
81	, C		31 days		31 days	0%	Fri 16/7/21	Fri 20/8/21	NA	NA	Sat 2/10/21	Mon 8/11/21	65 days		878	-	
382		er day per team) x 2 team + $6x2$ day concreting			21 days	0%	Fri 8/10/21	Tue 2/11/21		NA	Fri 15/10/21	Mon 8/11/21		3 days	880		
					-	0%									880,882,881		
383	CH1229-1311: Removal of Fal	. ,	42 days		42 days		Wed 3/11/21	Tue 21/12/21		NA	Tue 9/11/21	Wed 29/12/21		6 days	,,		
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 day	881,358		
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 0	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				
887	CH1269-1311: Structure de	ck	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 day	475,483,736,87	7	
888	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 day	887FS+14 days		
889	CH1269-1311: Utility Trou	gh (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		
890		m per day per team) x 1 team + 6 day	17 days	0 days	17 days	0%	Fri 3/12/21	Wed 22/12/21	NA	NA	Sat 11/12/21	Mon 3/1/22	7 days	3 days	889		
891	CH1269-1311 : Central Me	dian (6m per day per team) x 1 team	15 days	0 days	15 days	0%	Thu 23/12/21	Wed 12/1/22	NA	NA	Wed 5/1/22	Fri 21/1/22	8 days	1 day	889,890		
892	CH1269-1311 : Road Furnit	ture	15 days	0 days	15 days	0%	Thu 13/1/22	Sat 29/1/22	NA	NA	Sat 22/1/22	Fri 11/2/22	8 days	1 day	891,358		
893	Stage2: Bridge deck between CH1		823 days?		823 days?	0%	Thu 16/5/19	Sat 19/2/22	NA	NA	Tue 27/4/21	Wed 29/5/24	579 da				
394	CH1189-1229: Deck Falsework		1 day?		1 day?	0%	Thu 16/5/19	Thu 16/5/19		NA	Wed 29/5/24	Wed 29/5/24	1840 d				
					-									1.1	050.000		
895	CH1189-1229: Deck Falsework		22 days	-	22 days	0%	Tue 27/4/21	Mon 24/5/21		NA	Tue 27/4/21	Mon 24/5/21		1 day	850,822		
896	CH1189-1229: Structure deck		27 days		27 days	0%	Tue 25/5/21	Fri 25/6/21	NA	NA	Tue 25/5/21	Fri 25/6/21		2 day	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 day	896FS+14 days		
898	CH1189-1229: Falsework Under	er 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 days	878,897		
899	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 days	219,897		
900	CH1189-1229 : Central Mediar	n (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 day	897,881		
901	CH1189-1229 : Parapet (28m p	er day per team) x 1 team + 6 day concreting	20 days	0 days	20 days	0%	Wed 3/11/21	Thu 25/11/21	NA	NA	Mon 17/1/22	Fri 11/2/22	61 days	5 day	899,882		
902	CH1189-1229 : Road Furniture		15 days	0 days	15 days	0%	Mon 31/1/22	Sat 19/2/22	NA	NA	Sat 12/2/22	Tue 1/3/22	8 days	1 day	900,892,358,90	1	
903	Part 3E - CH1311 to CH1372		652 days	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	31 days	0 days	0%	Tue 12/11/19	Tue 17/12/19	Tue 12/11/19	Tue 17/12/19	Tue 12/11/19	Tue 17/12/19	0 days	0.5 day			
905	Bored pile (P03-BP1) @ CH1311	(Rig 2) (Contractor Bear DDA Design Risk)	40 days	40 days	0 days	100%	Tue 17/3/20	Fri 8/5/20	Tue 17/3/20	Fri 8/5/20	Tue 17/3/20	Fri 8/5/20	0 days	0.5 day	904		
906	Bored pile (P03-BP2) @ CH1311		36 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		3 day			
907	Pile Testing (18 curing & 14 test)		35 days		35 days	0%	Sat 6/6/20	Sat 18/7/20	NA	NA	Sat 6/6/20	Sat 18/7/20		3 day	906FS+1 day,90		
908	Proof-drilling Works				11 days	0%	Mon 20/7/20	Fri 31/7/20	NA	NA	Mon 20/7/20	Fri 31/7/20		2 days	9001/3+1 uay,90		
	2		11 days		-									2 uays	201		
909	Pile Cap P03 @ CH1311		76 days		76 days	0%	Tue 7/7/20	Mon 5/10/20		NA	Fri 31/7/20	Wed 29/5/24	21 days		000		
910	Pile Cap @ CH1311 by Open (		46 days		46 days	0%	Sat 1/8/20	Wed 23/9/20		NA	Wed 28/10/20	Sat 19/12/20	72 days		908		
911	Pilecap Formwork Design and		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 days	1 day			
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 days	1 day	911		
913	Excavation with Shoring Instal	lation ~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	0 days	1 day	908	1	
914	Pilecap Formwork - design and	Method Statement Submission	0 days	0 days	0 days	0%	Mon 20/7/20	Mon 20/7/20	NA	NA	Fri 31/7/20	Fri 31/7/20	11 days	1 day			
915	Pilecap Formwork - Design and	d Method Statement Comment & Appraoval	21 days	0 days	21 days	0%	Mon 20/7/20	Sun 9/8/20	NA	NA	Fri 31/7/20	Thu 20/8/20	11 days	1 day	914		
916	Pilecap structure		24 days	0 days	24 days	0%	Fri 21/8/20	Thu 17/9/20	NA	NA	Fri 21/8/20	Thu 17/9/20	0 days	1 day	915,908,913		
917	Backfill		13 days	0 days	13 days	0%	Fri 18/9/20	Mon 5/10/20	NA	NA	Fri 18/9/20	Mon 5/10/20		1 day	916		
918	Agree Interface Coordination Plan		14 days		14 days	0%	Tue 6/10/20	Wed 21/10/20		NA	Tue 6/10/20	Wed 21/10/20		0 days	917		
					uugo												
itle: Re	ev. I I Prod with Progress		ummary	2021		Inactive M Inactive S			Duration-on Manual Surr	-		Start-only Finish-only		C 3		ernal Mi Idline	les
as of 2	2-IVIAV-20		roject Sumi nactive Tasl			Manual Ta	-		Manual Surr			External Task	s	-	Dea		
																	_



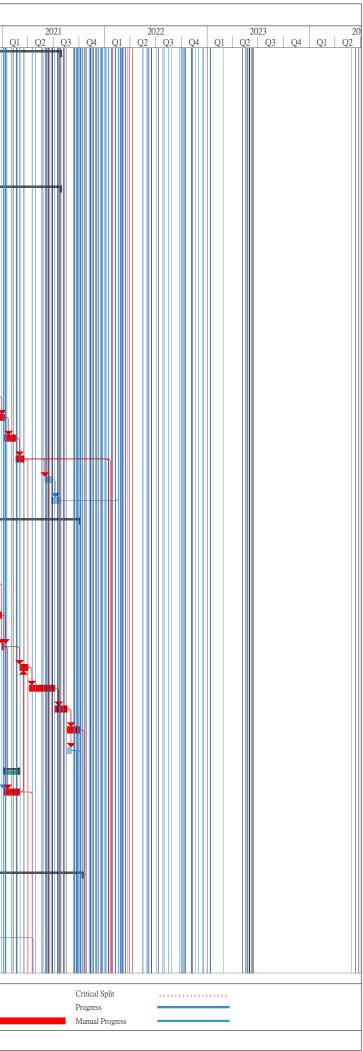
) Task	Name		Duration	Actual	Remaining	Physical %	Early Start		Actual Start	2018/01 KT		Late Finish	Total	TRA	Predecessors	20	)20
				Duration	Duration	Complete							Slack			Q2	
019	App.1.18 2.7(A)( c)	ntractor for sheet pile wall installation. PS	60 days	0 days	60 days	0%	Thu 22/10/20			NA	Thu 22/10/20	Sun 20/12/20	0 days	0 days	917,918		
20	Pier - Temp. Works Design and	l Method Statement Submission	0 days	0 days	0 days	0%	Mon 12/10/20	Mon 12/10/20	NA	NA	Mon 16/11/20	Mon 16/11/20	35 days	1 day			
21	Pier - Temp. Works Design and	l 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		
22	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 18/12/19	Wed 4/12/19	Wed 18/12/	Wed 4/12/19	Wed 18/12/19	0 days	0.5 days			₩
924	Diversion of existing 150mm d	ia. Watermain (agreed)	54 days	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) @ CH13	51 (Rig 2)	52 days	1 day	51 days	0%	Fri 22/5/20	Wed 21/10/20	Fri 22/5/20	NA	Fri 22/5/20	Tue 19/1/21	73 days	3 days	923,856		
926	Bored pile (P04-BP1) @ CH13	51 (Rig 2)	53 days	0 days	53 days	0%	Tue 11/8/20	Tue 13/10/20	NA	NA	Mon 16/11/20	Tue 19/1/21	80 days	3 days	202,924,923,925	L	- Y
927	Pile Testing (14d curing & 14	est)	35 days	0 days	35 days	0%	Thu 22/10/20	Wed 2/12/20	NA	NA	Wed 20/1/21	Thu 4/3/21	73 days	3 days	926,925		
928	Proof-drilling Works		11 days	0 davs	11 days	0%	Thu 3/12/20	Tue 15/12/20	NA	NA	Fri 5/3/21	Wed 17/3/21	73 days	2 days	927		
929	Pile Cap P04 @ CH1351 with	FIS	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	0%	Mon 2/11/20	Mon 1/3/21		NA	Tue 16/2/21	Mon 31/5/21			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	-		97 days	-									73 days	1.1			
931		ethod Statement Submission	-	0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20		NA	Tue 16/2/21	Tue 16/2/21	106 days	-	001		
932		fethod Statement Comment & Appraoval	30 days	-	30 days	0%	Mon 2/11/20	Tue 1/12/20		NA	Tue 16/2/21	Wed 17/3/21	106 days	-	931		
933	Drive sheetpile (~75m). Pro	d. 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 In	stallation ~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			
936	Pilecap Formworks - Desig	n and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Tue 1/12/20	Wed 30/12/20	NA	NA	Thu 25/3/21	Fri 23/4/21	114 days	1 day	935		
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 p	le	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 an	d 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			
940	Pier - Temporary Design an	d 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 0	°H1311-1351	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				
943	CH1311-1351: Deck Falsev		21 days	-	21 days	0%	Fri 30/7/21	Mon 23/8/21		NA	Fri 30/7/21	Mon 23/8/21		3 days	941,922,879		
944	CH1311-1351: Structure de			-	-												
		CK	30 days	-	30 days	0%	Tue 24/8/21	Tue 28/9/21		NA	Tue 24/8/21	Tue 28/9/21	0 days	-	475,483,736,896		
945	CH1311-1351: Prestressing		21 days		21 days	0%		Wed 10/11/21		NA		Wed 10/11/21		3 days	944FS+14 days,8		
946	CH1311-1351: Utility Trou	gh (0.67m per day per team) x 4 team	30 days	0 days	30 days	0%	Thu 11/11/21	Wed 15/12/21		NA	Fri 26/11/21	Mon 3/1/22	13 days	-	219,880,945		
947	CH1311-1351: Central Med	ian (6m per day per team) x 2 team	15 days	0 days	15 days	0%	Thu 11/11/21	Sat 27/11/21	NA	NA	Wed 5/1/22	Fri 21/1/22	44 days	3 days	945		
948	CH1311-1351: Parapet (28r	n per day per team) x 2 team + 6 day concreting	16 days	0 days	16 days	0%	Thu 23/12/21	Thu 13/1/22	NA	NA	Tue 4/1/22	Fri 21/1/22	7 days	1 day	945,888,890,946		
949	CH1311-1351: Road Furnit	ıre	7 days	0 days	7 days	0%	Fri 14/1/22	Fri 21/1/22	NA	NA	Sat 22/1/22	Sat 29/1/22	7 days	1 day	947,358,948		
950	Part 1 - CH1372 to CH1386		149 days	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	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 Falsev	vork 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 de	ck	30 days	0 days	30 days	0%	Fri 17/9/21	Mon 25/10/21	NA	NA	Fri 17/9/21	Mon 25/10/21	0 days	5 days	952,736,976		
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		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	-	Median (6m per day per team) x 1 team	15 days		15 days	0%	Sat 27/11/21	Tue 14/12/21		NA	Sat 27/11/21	Tue 14/12/21		3 days	954		
957		(28m per day per team) x 1 team + 6 day	20 days		20 days	0%	Wed 5/1/22	Thu 27/1/22		NA	Wed 12/1/22	Mon 7/2/22		4 days	955		
	concreting				-												
958	CH1351-1386 Falsework re		19 days		19 days	0%	Fri 28/1/22	Tue 22/2/22		NA	Tue 8/2/22	Tue 1/3/22		1 day	955,957		
959	CH1351 - CH1386: Road F		8 days	-	8 days	0%	Fri 28/1/22		NA	NA	Mon 14/2/22	Tue 22/2/22	11 days	2 day	956,358,957		
960	Part 1 - CH1386 to CH1394 South		352 days	-	352 days	0%	Fri 3/7/20		NA	NA	Sat 25/7/20	Thu 16/9/21	10 days				ſ
961	Bored Pile (A02-BP2) @ CH1	386 by Rig 1	42 days	0 days	42 days	0%	Fri 3/7/20	Thu 20/8/20	NA	NA	Sat 25/7/20	Fri 11/9/20	19 days	3 days	831FS+12 days		
962	Bored Pile (A02-BP1) @ CH1	386 by Rig 1	63 days	0 days	63 days	0%	Tue 28/7/20	Sat 10/10/20	NA	NA	Wed 19/8/20	Tue 3/11/20	19 days	3 days	202FF,961FF+42		
963	Pile Testing		35 days	0 days	35 days	0%	Mon 12/10/20	Sat 21/11/20	NA	NA	Wed 4/11/20	Mon 14/12/20	19 days	4 days	962		
	1 Draw with Day	Task	Summary			Inactive	Milestone 🔷		Duration-on	ly		Start-only		C	Exte	mal Mile	 estor
itle: Rev.1 as of 22-N	1 Prog with Progress lav-20	Split	Project Sum	mary	1		Summary		Manual Sun	imary Rollup 💼		Finish-only		3	Dead		
		Milestone 🔶	Inactive Tas	1.		Manual 7			Manual Sun			External Task			Criti		



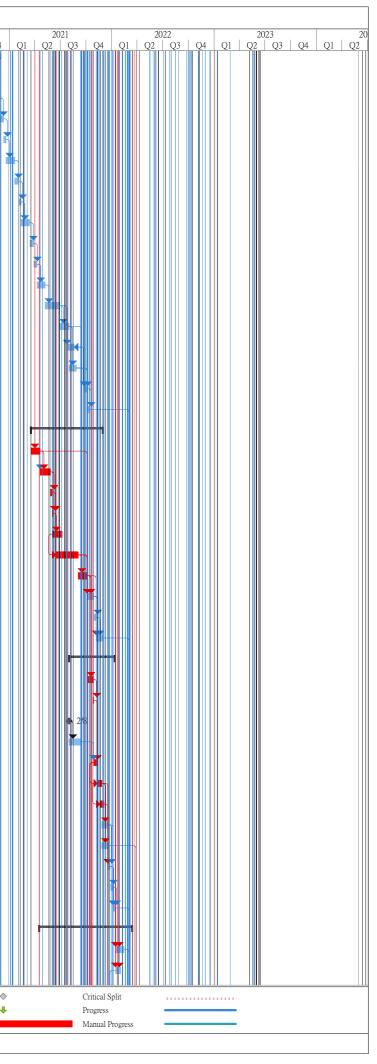
-	1 1 17		D :		<b>D</b> · ·	D1	<b>B</b> 1 6		ract No. ED			T . TH	m . t	DA D		
Т	ask Name		Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finis		Late Finish	Total TI Slack	RA Predece		202 22
964	Proof-drilling Works		11 days	0 days	11 days	0%	Mon 23/11/20	Fri 4/12/20	NA	NA	Tue 2/2/21	Wed 17/2/21	58 days 2	days 963		Π
965	South Abutment		166 days	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	968SS,9	54	
66	South Abutment ELS- Des	ign 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		
67	South Abutment ELS - De	sign 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 966		
58	Drive sheetpile (~900m) Pr	rod. 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 964,967	980	
59	Excavation ~1,344m3 & la	teral support. Prod. Rate: 160m3/day/team	11 days	0 days	11 days	0%	Fri 19/2/21	Wed 3/3/21	NA	NA	Mon 22/3/21	Tue 6/4/21	26 days 2	days 968		
70	Blinding layer		1 day	0 days	1 day	0%	Thu 4/3/21	Thu 4/3/21	NA	NA	Wed 7/4/21	Wed 7/4/21	26 days 0	days 969		
1	South Abutment Formwork	c- Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 21/12/20	Mon 21/12/20	NA	NA	Tue 9/3/21	Tue 9/3/21	78 days 1	day		
2		c - Design and Method Statement Comment &	30 days	0 days	30 days	0%	Mon 21/12/20	Tue 19/1/21	NA	NA	Tue 9/3/21	Wed 7/4/21	78 days 1	day 971		
3	Appraoval 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 970,972	986	
4	Wall (3.85m thk). Prod. Ra	ite: 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 973		
5	Wall (0.5m thk)		52 days		52 days	0%	Sat 19/6/21		NA	NA	Fri 9/7/21	Tue 7/9/21	16 days 2			
6	Install bridge bearing		8 days		8 days	0%	Fri 27/8/21		NA	NA	Wed 8/9/21	Thu 16/9/21	10 days 1	-	822 965	
7		394-1444.7 - Total 8 bays (4 bay/side)	259 days		259 days	0%	Mon 21/9/20	Fri 6/8/21	NA	NA	Sun 15/11/20	Sat 4/12/21	45 days	aay 575,750	522,705	
						0%		Mon 21/9/20		NA				dav		
8	Submission	S - Temp. Works Design and Method Statement		0 days	0 days		Mon 21/9/20				Sun 15/11/20	Sun 15/11/20	55 days 1	-		
9	Comment & Approval	S - Temp. Works Design and Method Statement	30 days		30 days	0%	Mon 21/9/20	Tue 20/10/20		NA	Sun 15/11/20	Mon 14/12/20	55 days 1			
)	Drive sheetpile (~240m) P		26 days		26 days	0%	Mon 23/11/20	Tue 22/12/20		NA	Tue 15/12/20	Sat 16/1/21	19 days 2		963	
l		teral support. Prod. Rate: 160m3/day/team	19 days		19 days	0%	Wed 23/12/20		NA	NA	Mon 18/1/21	Mon 8/2/21	19 days 2	-		
2	Rock Replacement		7 days	0 days	7 days	0%	Sun 17/1/21	Sat 23/1/21	NA	NA	Tue 9/2/21	Mon 15/2/21	23 days 1	day 981		
;	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 981,982		
	Sourth Approach - Formwo	orks 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		
5	South Approach Ramp For Appraoval	mworks Design and Method Statement Comment &	30 days	0 days	30 days	0%	Tue 1/12/20	Wed 30/12/20	NA	NA	Mon 18/1/21	Tue 16/2/21	48 days 1	day 984		
5	6 x Base Slab Prod. Rate:	2d/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 983,985	244	
7	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 986		
3	Backfilling ~4,765.89m3 w +12d shoring removal x 2	vithin approach ramp to formation level (160m3/day) (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 987		
)	CH1386-1444: South Approac	h Ramp (50m): Parapet, Central Median & Furniture	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	988		
)		dian 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 253,956		
1		m per day per team) x 2 team + 2 team x 6 day	13 days	0 days	13 days	0%	Fri 14/1/22	Fri 28/1/22	NA	NA	Fri 14/1/22	Fri 28/1/22	0 days 2	days 988,253	990	
2	CH1386-1444: Road Furni	ture	7 days	0 days	7 days	0%	Sat 29/1/22	Wed 9/2/22	NA	NA	Sat 29/1/22	Wed 9/2/22	0 days 1	day 990,358	991	
3	CH1087 - 1444: Bitumen Pavi	ng and Lighting	60 days	0 days	60 days	0%	Thu 30/12/21	Mon 14/3/22	NA	NA	Wed 15/12/21	Tue 1/3/22	-11 days 1	day 813,884	892FF,9	
1	2.6 Utility Laying		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			
5	CH1087-1311 (224m): Utility La	ying (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			
6	CLP (132kV)		63 days		63 days	0%	Wed 29/12/21		NA	NA	Wed 29/12/21	Tue 1/3/22		day 899,955	SS+32 d	
7	CLP (11kV)		63 days	-	63 days	0%	Wed 29/12/21		NA	NA	Wed 29/12/21	Tue 1/3/22		day 996SS		
8	НКСС		53 days		53 days	0%	Wed 29/12/21		NA	NA	Sat 8/1/22	Tue 1/3/22	10 days 1	-		
9	CATV		23 days		23 days	0%	Wed 29/12/21	Thu 20/1/22		NA	Thu 3/2/22	Fri 25/2/22	36 days 1			
					-											
00	Towngas telecom		27 days		27 days	0%	Wed 29/12/21	Mon 24/1/22		NA	Thu 3/2/22	Tue 1/3/22	36 days 1			
01	PCCW-HKT	P0.7	23 days	-	23 days	0%	Wed 29/12/21	Thu 20/1/22		NA	Sun 6/2/22	Mon 28/2/22	39 days 1	-		
02	Fresh and Salt Watermains (by		24 days		24 days	0%	Wed 29/12/21			NA	Sun 6/2/22	Tue 1/3/22	39 days 1	day 1001SS		
)3	CH1311-1396 (85m): Utility Lay	ing (by Others) (Agreed)	84 days		84 days	0%	Thu 7/10/21	Wed 29/12/21		NA	Fri 4/2/22	Tue 1/3/22	62 days			
)4	CLP (11kV)		26 days	0 days	26 days	0%	Wed 5/1/22	Sun 30/1/22	NA	NA	Fri 4/2/22	Tue 1/3/22	30 days 1			
05	PCCW-HKT		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 1004SS		
06	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 1005SS		
07	Underpass and Depressed Road		619 days	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			
	11 D	Task	Summary			Inactive N	Ailestone 🔷		Duration-o	nly		Start-only	C		External	l Mile
	v.11 Prog with Progress May-20		Project Sum	mary		Inactive S				mmary Rollup		Finish-only	3		Deadlin	
51 22		Milestone 🔶	Inactive Tasl	k		Manual T	`ask		Manual Su	mmary		External Task	s		Critical	



) Ta	ask Name	Duration	Actual	Remaining	Physical %	Early Start	Early Finish	ract No. ED/ Actual Start	Actual Finish		Late Finish	Total	TRA	Predecessors	202	20
1008	North Depressed Rd (CH1560-1720)		Duration 211.42 days	Duration 350.58 days	Complete 0%	Tue 3/9/19	Tue 27/7/21	Tue 3/9/19	NA	Tue 3/9/19	Tue 1/3/22	Slack 177 days				Q3
1008	· · · · ·				100%											
1009	Ground Monitoring Works Mobilization	17 days		0 days 0 days	100%	Tue 3/9/19 Fri 1/11/19	Thu 19/9/19 Fri 8/11/19	Tue 3/9/19 Fri 1/11/19	Thu 19/9/19 Fri 8/11/19		Thu 19/9/19 Fri 8/11/19		2 days			
			7 days										0 days			
011	Complete the Diveration of Existing Overhang Cable along the North Depressed Rd		1 day	0 days	100%	Sat 26/10/19		Sat 26/10/19			Sat 26/10/19	0 days	0.5 days	1000 1010 1011		
012	Drive Sheet Pile (380m, 15,000m penetration depth) Prod. Rate by 2 teams (around 125m penetration depth per day per team)	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		
013	Pumping Test	120 days	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		
1014	CH1560 - CH1720 North Depress Road	449 days	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			++	╇
1015	Excavation with Shoring Installation - Prod Rate: 270m3/d/team.	145 days	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		
016	(~36,611m3). 1 team 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	-	╉║
.017	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		$\mathbf{H}$
1018	Rock Fill Replacement (Final Level)		0 days	6 days	0%	Sat 1/8/20		NA	NA	Mon 20/7/20	Sat 25/7/20	-11 days		1013,1015,1017		
019	6 Bay Base Slabs + 3 Levels Wall Both Sides	55 days		55 days	0%	Wed 3/6/20		NA	NA	Thu 21/5/20	Sat 25/7/20	-11 days		1015SS+107 day		
020	Base Slab and Wall Below 4th Level Shoring	25 days		25 days	0%	Sat 8/8/20		NA	NA	Mon 27/7/20	Mon 24/8/20	-11 days		1019,1015,1018		Ţ
	-															
021	Backfilling and 4th Level Shoring Removal	18 days	-	18 days	0%	Mon 7/9/20		NA	NA	Tue 25/8/20	Mon 14/9/20	-11 days		1020		
.022	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	-11 days		1021		
.023	Backfilling and 3rd Level Shoring Removal	18 days		18 days	0%	Thu 29/10/20	Wed 18/11/20		NA	Thu 15/10/20	Thu 5/11/20	-11 days		1022		
024	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		
025	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		
.026	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		
027	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		
028	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	2 days	1027		
029	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		
030	CH1720 - CH1850 (130m long) (2 x teams)	477 days	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			l 🖻	
031	Drive sheet pile (approx. 17000m penetration depth, 380m/day)	46 days	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			<b>_</b>
032	Pumping Test	22 days	0 days	22 days	0%	Mon 10/8/20	Thu 3/9/20	NA	NA	Mon 10/8/20	Thu 3/9/20	0 days	1 days	1031,1045		Ě
033	CH1720 - CH1850 (130m long) (2 x teams) Top Portion: Excavation with Shoring Installation = 23,000 cu.m. (320m3/d/team x 2)	42 days	0 days	42 days	0%	Fri 4/9/20	Sat 24/10/20	NA	NA	Fri 4/9/20	Sat 24/10/20	0 days	2 day	1032		
		50.1		50.1	0.07		16 20/12/20				1. 20/12/20			1000		
.034	CH1720 - CH1850 (130m long) (2 x teams) Bottom Portion: Excavation with Shoring Installation = 23,876 cu.m. (250m3/d/team x 2)	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	l day	1033		
035	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	0 days	1 day	1033,1034		
036	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		
037	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		
038	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		
039	Falsework Removal	37 days		37 days	0%	Fri 20/8/21	Mon 4/10/21	NA	NA	Fri 20/8/21	Mon 4/10/21		2 day	1038		
.040	Sheetbile Extraction and Backfill	13 days		13 days	0%	Fri 20/8/21		NA	NA	Fri 17/9/21	Mon 4/10/21	24 days		1038		
.040	Underground Plant Room next to Underpass	45 days		45 days	0%	Wed 6/1/21		NA	NA	Wed 6/1/21	Tue 2/3/21	0 days	1 day	1050		
.041			-		0%			NA	NA	Wed 6/1/21 Wed 6/1/21		-	3 day	714,1035,262,28		
	Underground pump house structure	45 days		45 days		Wed 6/1/21					Tue 2/3/21	0 days	Juay	/ 14,1033,202,28		
1043	Underpass & South Depressed Road CH1850-1950 - (100m long) 8 bays x 13.5m long		65.36 days	54.64 days	0%	Wed 26/2/20	Thu 23/7/20	Wed 26/2/20		Wed 26/2/20	Sat 8/8/20	14 days	<u> </u>			1
1044	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	Mon 6/4/20		5 days			
.045	Pumping Test	80 days		51 days	36%	Fri 17/4/20	Thu 23/7/20		NA	Fri 17/4/20	Sat 8/8/20	14 days		1044	++	•
046	Underpass & South Depress Road (CH1850 to CH1950)	539 days	27.64 days	511.36 days	0%	Thu 23/4/20	Wed 13/10/21	Thu 23/4/20	NA	Thu 23/4/20	Tue 1/3/22	139 days			+	$\neg$
1047	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	5 days	1045SS+6 days	++	
.048	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		
1049	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		
1050	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		
itle: Rev	v.11 Prog with Progress	Summary			Inactive I			Duration-on	-		Start-only		C		al Miles	stone
	-May-20	Project Sumi	mary		Inactive S	Summary		IManual Sun	ımary Rollup 🍙		Finish-only		3	Deadli	16	

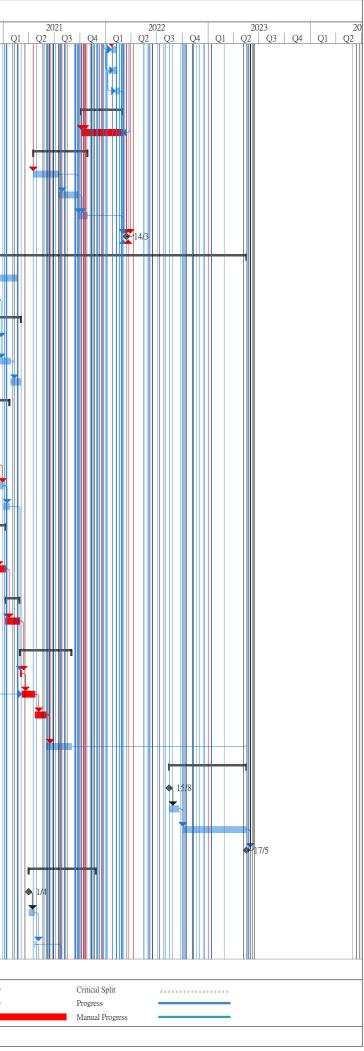


Ta	ask Name	Duration	Actual	Remaining	Physical %	Early Start	Early Finish	Actual Stor	t Actual Finis	sh Late Start	Late Finish	Total TRA	Predecessors	20
			Duration	Duration	Complete							Slack	1 1040055015	2
.051	Underpass Formworks Design and Method Statement Submission		0 days	0 days	0%	Mon 14/9/20	Mon 14/9/20		NA	Tue 3/11/20	Tue 3/11/20	50 days 1 day	1051	
052	Underpass Formworks Design and Method Statement Comment & Appraoval		-	30 days	0%	Mon 14/9/20	Tue 13/10/20		NA	Tue 3/11/20	Wed 2/12/20	50 days 1 day	1051	
1053	Casting base slab (12d/bay/team x 3) (6 bays)	26 days		26 days	0%	Wed 28/10/20			NA	Thu 3/12/20	Tue 5/1/21	31 days 2 day	1050,1052,262	
1054	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	
1055	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	
1056	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	
1057	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	
1058	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	
1059	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	
1060	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	
1061	S1 Shoring ELS Removal + North/South End Re-propping	7 days	0 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	
1062	Scaffold erection for roof slab	24 days	0 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	
1063	Roof slab construction (18d/bay/team x 3) (6 bays)	42 days	0 days	42 days	0%	Sat 8/5/21	Mon 28/6/21	NA	NA	Wed 16/6/21	Wed 4/8/21	31 days 4 days	1062	
1064	Waterproofing & Backfilling upto tunnel top	28 days	0 days	28 days	0%	Tue 29/6/21	Sat 31/7/21	NA	NA	Thu 5/8/21	Mon 6/9/21	31 days 2 day	1063	
1065	Scaffold removal after 28 days from casting	22 days	0 days	22 days	0%	Mon 26/7/21	Thu 19/8/21	NA	NA	Thu 13/1/22	Thu 10/2/22	141 days 1 day	1063FS+22 days	
1066	Sheetpile extraction (Ch1851-CH1950)	22 days	0 days	22 days	0%	Mon 2/8/21	Thu 26/8/21	NA	NA	Tue 7/9/21	Mon 4/10/21	31 days 1 day	1064	
1067	Emergency walkway & median barrier installation	9 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	
1068	Parapet installation		0 days	7 days	0%	Wed 6/10/21	Wed 13/10/21		NA	Tue 22/2/22	Tue 1/3/22	112 days 1 day	1067	
1069	CH1950 - CH2020 (70m long) (2 x teams) 4 bays x 17.5m long - Average 3 laye		-	209 days	0%	Fri 19/3/21	Mon 29/11/21		NA	Sat 6/3/21	Tue 1/3/22	-11 days	1007	
1070	Shoring Drive sheet pile ( approx. 8,800m embedded length sheetpile), 380m/team/day			24 days	0%	Fri 19/3/21	Mon 19/4/21		NA	Sat 6/3/21	Tue 6/4/21	-11 days 1 day	1027	
1070	Excavation with Shoring Installation - Prod. Rate: 2 teams x 250m3/d/team.			30 days	0%	Tue 20/4/21	Wed 26/5/21		NA	Wed 7/4/21	Wed 12/5/21	-11 days 1 day	1027	
	(14,500m3)	30 days											,	
1072	Rock Fill Replacement		0 days	6 days	0%	Thu 27/5/21		NA	NA	Thu 13/5/21	Thu 20/5/21	-11 days 0.5 days	1071	
1073	Blinding		0 days	1 day	0%	Thu 3/6/21		NA	NA	Fri 21/5/21	Fri 21/5/21	-11 days 0.5 days	1071,1072	
1074	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	
1075	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	
1076	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	
1077	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	
1078	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	
1079	CH1950 to CH2020: Parapet installation	20 days	0 days	20 days	0%	Sat 6/11/21	Mon 29/11/21	NA	NA	Mon 7/2/22	Tue 1/3/22	73 days 2 day	1076,1077,1078	
1080	South Depressed Road CH2020-2050 (40m long) (2 x teams) 5 bays x 13.5m lon Average 2 layers of shoring	ng - 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		
1081	Open Excavation	17 days	0 days	17 days	0%	Tue 5/10/21	Mon 25/10/21	NA	NA	Mon 20/9/21	Mon 11/10/21	-11 days 3 days	1076	
1082	Blinding	2 days	0 days	2 days	0%	Tue 26/10/21	Wed 27/10/21	NA	NA	Tue 12/10/21	Wed 13/10/21	-11 days 0 days	1081	
1083	South Depress Road - Formworks Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 2/8/21	Mon 2/8/21	NA	NA	Sun 5/9/21	Sun 5/9/21	34 days 1 day		
1084	South Depress Road - Formworks Design and Method Statement Comment &	2 40 days	0 days	40 days	0%	Mon 2/8/21	Fri 10/9/21	NA	NA	Sun 5/9/21	Thu 14/10/21	34 days 1 day	1083	
1085	Appraoval Base Slab - 3 bays. Prod. Rate: 12d/team/bay include pipe laying. 2 teams	12 days	0 days	12 days	0%	Thu 28/10/21	Wed 10/11/21	NA	NA	Fri 15/10/21	Thu 28/10/21	-11 days 2 day	1082,1084,314	
1086	Wall - 3 bays. Prod. Rate: 2 level of shoring 12d/bay/level/team. 2 teams	12 days	0 days	12 days	0%	Fri 12/11/21	Thu 25/11/21	NA	NA	Sat 30/10/21	Fri 12/11/21	-11 days 0.5day	1085SS+13	
1087	Wall - 3 bays. Prod. Rate: 2 level of shoring 12d/bay/level/team. 2 teams	12 days		12 days	0%	Sat 20/11/21		NA	NA	Mon 8/11/21	Sat 20/11/21	-11 days 0.5day	days 1086SS+7 days	
1088	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	
1089	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	
1009	Emergency walkway & median barrier installation		0 days	6 days	0%	Sat 18/12/21	Fri 24/12/21		NA	Wed 9/2/22	Tue 15/2/22	39 days 2 days	1086,1088,323	
	Pavement work			-	0%			NA	NA					
1091			0 days	6 days		Tue 28/12/21				Wed 16/2/22	Tue 22/2/22	39 days 1 day	1090	
1092	Parapet installation		0 days	6 days	0%	Wed 5/1/22	Tue 11/1/22		NA	Wed 23/2/22	Tue 1/3/22	39 days 1 day	1090,1088,1091	
1093	5.0 CH1386-1950 (564m) : Utlity Laying Team 2 (by Others)	332 days		332 days	0%	Sat 17/4/21	Mon 14/3/22		NA	Thu 19/8/21	Tue 1/3/22	-13 days		
1094	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	
1095	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	
itle: Por	v.11 Prog with Progress	Summary			Inactive 1	Milestone 🔷		Duration	-only		Start-only	C	Exte	mal Mil
	-May-20 Split			1	Inactive S				Summary Rollup	•	Finish-only	3	Dead	
	Milestone	Inactive Task	k		Manual T	ľask		Manual	Summary		External Tas	ks	Criti	:al

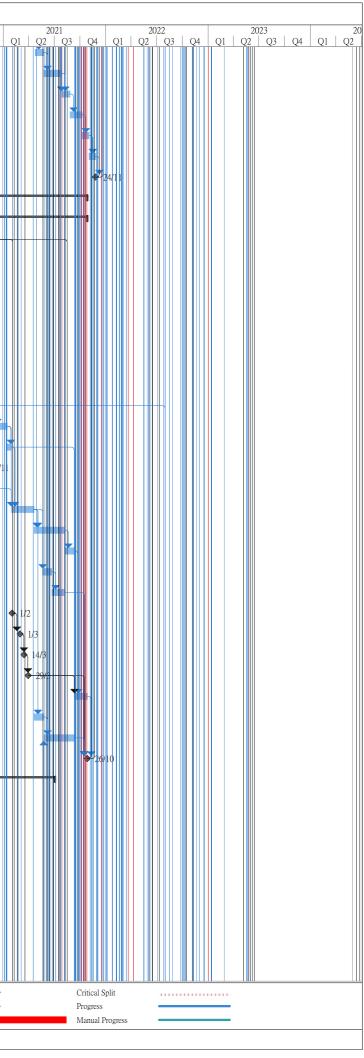


096 097 098 099	sk Name HGC CATV	Duration 15 days	Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Star	t Actual Fini	an Law Start	Late Finish	Total Slack	TRA	Predecessors	202 Q2	
97 98		15 days	0 days													
98	CATV			15 days	0%	Fri 21/1/22	Fri 4/2/22	NA	NA	Tue 1/2/22	Tue 15/2/22	11 days		1095SS+7 days,		
		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		
199	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		
	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				
00	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		
101	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				
102	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		
103	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		
104	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		
105	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,		
106	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				
107	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		
108	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			
109		67 days		67 days	0%	Thu 10/12/20		NA	NA	Wed 6/3/24	Wed 29/5/24	962 days				
110	Installation of Silt Curtain with Concrete Sinkers		0 days	6 days	0%	Thu 10/12/20	Wed 16/12/20		NA	Thu 23/5/24	Wed 29/5/24	1023 d		1108		
110	Demolition of Existing Seawall	37 days	-	37 days	0%	Thu 10/12/20	Mon 25/1/21		NA	Wed 6/3/24	Mon 22/4/24	962 days		1108		
	-		-													
112	Grade 200 rock filling and placing levelling stone	30 days		30 days	0%	Tue 26/1/21		NA	NA	Tue 23/4/24	Wed 29/5/24	962 days	1 uay	1111		
113	CH86 to CH70 ELS Works	136 days		136 days	0%	Mon 10/8/20	Thu 21/1/21		NA	Mon 17/8/20	Sat 27/2/21	6 days				
114	Temporary Works Design Preparation	25 days		25 days	0%	Mon 10/8/20		NA	NA	Mon 17/8/20	Mon 14/9/20		1 days			
115	Comment by PM	25 days	0 days	25 days	0%	Tue 8/9/20	Thu 8/10/20	NA	NA	Tue 15/9/20	Thu 15/10/20	6 days	1 days	1114		
116	Sheetpiling Installation with Grouting & Pumping Test (56m long on plan)	50 days	0 days	50 days	0%	Fri 16/10/20	Mon 14/12/20	) NA	NA	Fri 16/10/20	Mon 14/12/20	0 days	1 day	1420,1423,1115		
117	Excavation with Shoring Installation (1350 cu.m., 150 cu.m./d)	12 days	0 days	12 days	0%	Tue 15/12/20	Wed 30/12/20	NA	NA	Tue 22/12/20	Thu 7/1/21	6 days	3 day	1116		
118	Preparation of formation and laying of blinding layer	18 days	0 days	18 days	0%	Thu 31/12/20	Thu 21/1/21	NA	NA	Thu 4/2/21	Sat 27/2/21	29 days	0.5 day	1117		
119	CH70 to CH30 ELS Works	43 days	0 days	43 days	0%	Mon 16/11/20	Thu 7/1/21	NA	NA	Mon 16/11/20	Thu 7/1/21	0 days				
120	Sheetpiling Installation (80m on plan)	14 days	0 days	14 days	0%	Mon 16/11/20	Tue 1/12/20	NA	NA	Mon 16/11/20	Tue 1/12/20	0 days	0.5 day	1116SS+25 days		
121	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%	Wed 2/12/20	Thu 7/1/21	NA	NA	Wed 2/12/20	Thu 7/1/21	0 days	1 day	1120		
100		41.1	0.1	(1.)	0.01	E : 0/1/01	0		1.1	E : 0/1/01	0	0.1	1.1			
122	DCS Seawater Intake (Insitu Section Bay 15)	41 days		41 days	0%	Fri 8/1/21		NA	NA	Fri 8/1/21	Sat 27/2/21		1 days			
123	Construction of Cast in-situ Box Culvert with feeder pipe installation with Connection to Extisting Box Culvert(Bay 15, approx. 12m long)	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		
124	Precast Units Installation	151 days	0 days	151 days	0%	Mon 1/3/21	Tue 31/8/21	NA	NA	Mon 1/3/21	Tue 30/5/23	0 days				
125	Preparation for Connecting Precast Units and Cast In-situ Bay 15	6 days	0 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		
126	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		2 days	1125,1107SS+75		
127		-	-	33 days	0%	Fri 23/4/21	Wed 2/6/21		NA	Fri 23/4/21	Wed 2/6/21	0 days		days 1126		
121	Inspection Shaft Construction and Backfilling Upto +2.0mPD + Feeder Pipe Laying + Backfilling upto Final Formation Level	JJ uays	0 udys	55 uays	0.0	111 2017121	11 CU 2/0/21	1111	110	11123/4/21	1100 20121	0 uays	0.5 uay	1120		
128	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		
129	Section 4: Part 2E	225 days	0 days	225 days	0%	Mon 15/8/22	Wed 17/5/23	NA	NA	Sat 10/9/22	Tue 30/5/23	10 days				
130	Abandon Existing DCS - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 15/8/22	Mon 15/8/22	NA	NA	Sat 10/9/22	Sat 10/9/22	26 days	1 day			
131	Abandon Existing DCS - Temp. Works Design and Method Statement Comment &	35 days	0 days	35 days	0%	Mon 15/8/22	Sun 18/9/22	NA	NA	Sat 10/9/22	Fri 14/10/22	26 days	1 day	1130		
132	Appraoval Part 2E - Abandon of existing DCS	185 days	0 days	185 days	0%	Mon 3/10/22	Wed 17/5/23	NA	NA	Sat 15/10/22	Tue 30/5/23	10 days	9 days	20,1131		
133	Planned Completion for Section 4	0 days	-	0 days	0%	Wed 17/5/23	Wed 17/5/23		NA	Tue 30/5/23	Tue 30/5/23	10 days		1132		
134	Section 8: Part 2A - Diversion & abandon of extg DCS box culvert	194 days	-	194 days	0%	Thu 1/4/21	Wed 24/11/21		NA	Fri 9/4/21	Thu 2/12/21	4 days				
135	-	0 days		0 days	0%	Thu 1/4/21	Thu 1/4/21		NA	Fri 9/4/21	Fri 9/4/21	8 days	1 dav			
136	Method Statement Submission Diversion & Abandon of Existing DCS Box Culvert - Temp. Works Design and Method Statement Comment & Appraoval			21 days	0%	Thu 1/4/21	Wed 21/4/21		NA	Fri 9/4/21	Thu 29/4/21		1 day	1135		
137	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		
																_

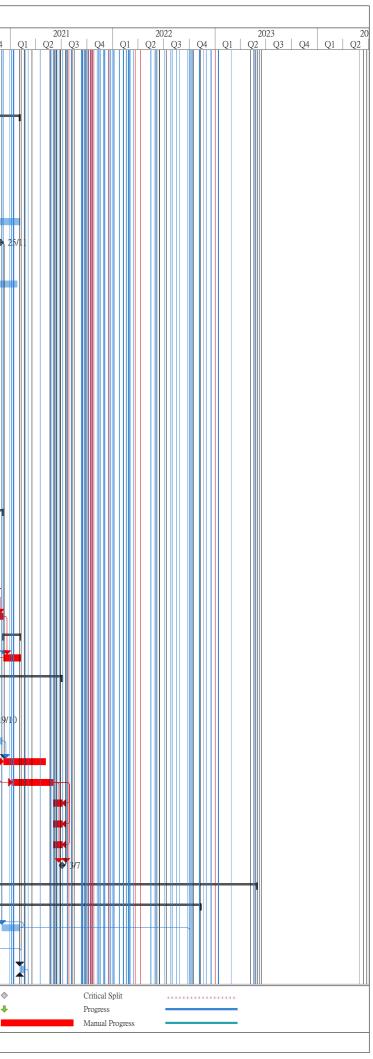
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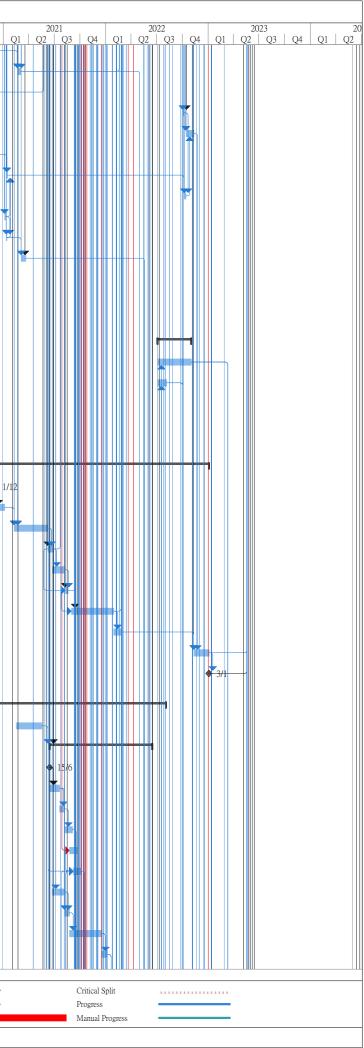
	aalt Nama	During	A atri-1	Domestin	Dlar:1 //	Earl- C.	East. E'	A atri-1 Cr	A at	h Loto Ct	Lote Eini 1	T-+-1	TDA	Deade	~	020
	ask Name	Duration	Duration	Remaining Duration	Physical % Complete	Early Start		Actual Start			Late Finish	Total Slack	TRA	Predecessors	Q2	020 Q3
1138	Sheetpile Installation	25 days	0 days	25 days	0%	Fri 23/4/21	Mon 24/5/21	NA	NA	Mon 3/5/21	Tue 1/6/21	7 days	1 day	1137		
139	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		
140	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		
141	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		
142	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		
1143	Abandon existing DCS box culvert	20 days	0 days	20 days	0%	Tue 2/11/21	Wed 24/11/21	NA	NA	Wed 10/11/21	Thu 2/12/21	7 days	1 days	1142		
1144	Planned Completion for Section 8	0 days	0 days	0 days	0%	Wed 24/11/21	Wed 24/11/21	l NA	NA	Thu 2/12/21	Thu 2/12/21	7 days	0 days	1143		
1145	Section 3	729 days	0 days	729 days	0%	Thu 16/5/19	Tue 26/10/21	NA	NA	Tue 2/6/20	Tue 2/11/21	6 days			$\vdash$	
1146	Part 2C - Lift LT3 & LT4	729 days	0 days	729 days	0%	Thu 16/5/19	Tue 26/10/21	NA	NA	Tue 2/6/20	Tue 2/11/21	6 days				
1147	Access Date - Part 2A.2C	0 days		0 days	0%	Tue 2/6/20	Tue 2/6/20	NA	NA	Tue 2/6/20	Tue 2/6/20		0 days	4FS+369 days		2/6
1148	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 0 1 0 0 uligo		12/0
	-			-										11.47		
1149	TTA implementation		0 days	4 days	0%	Tue 2/6/20	Fri 5/6/20	NA	NA	Fri 17/7/20	Tue 21/7/20	37 days	l day	1147		
1150	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				1
1151	Discuss with Relevant Utilities Undertakers	18 days	0 days	18 days	0%	Sat 27/6/20	Tue 14/7/20	NA	NA	Sat 4/7/20	Tue 21/7/20	7 days		1150		ħ
1152	Slew CLP Cable and Abandon Telecom Cable (tentative)	75 days	0 days	75 days	0%	Wed 15/7/20	Mon 12/10/20	) NA	NA	Wed 22/7/20	Mon 19/10/20	6 days	4 days	1148,1149,1151		
1153	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			•
1154	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		
1155	Intall Sheetpile, ELS, Excavation and Temp. Works Installation (Shoring, Drainag	e 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		
1156	& Slope Protection) Foundation Construction (Pad Footing include blinding layer, formwork erection,	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		
1157	rebar fixing & concreting) 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		
1158	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 dav			
159	Lift Tower - Temp. Works Design and Method Statement Comment & Appraoval	35 days		35 days	0%	Mon 2/11/20		NA	NA	Fri 1/1/21	Thu 4/2/21	60 days		1158		
1160	Lift Shaft Tower: 3 Lifts x 20 day/Lift, Falsework & Formwork Erection, Rebar	63 days		63 days	0%	Fri 29/1/21	Mon 19/4/21		NA	Fri 5/2/21	Mon 26/4/21		3 days	1156,1159,1157		
	Fixing & Concreting			-												
1161	Lift installation (LT3 & LT4)	90 days		90 days	0%	Tue 20/4/21	Fri 6/8/21	NA	NA	Tue 27/4/21	Fri 13/8/21		5 days	1160,713		
162	E & M installation	30 days		30 days	0%	Sat 7/8/21	Fri 10/9/21	NA	NA	Sat 14/8/21	Fri 17/9/21		3 days	1161		
1163	Louvers and Glazing Installation	26 days	-	26 days	0%	Fri 21/5/21	Mon 21/6/21		NA	Sat 14/8/21	Mon 13/9/21	71 days		1160FS+25 days	8	
1164	Parapet Installation and Finishing Works	40 days	0 days	40 days	0%	Tue 22/6/21	Sat 7/8/21	NA	NA	Tue 14/9/21	Tue 2/11/21	71 days	4 days	1163		
1165	CLP Meter Installation	0 days	0 days	0 days	0%	Mon 1/2/21	Mon 1/2/21	NA	NA	Fri 20/8/21	Fri 20/8/21	200 days	s 0.5 day			
1166	EMSD Submission Form 5 for Lift Inspection	0 days	0 days	0 days	0%	Mon 1/3/21	Mon 1/3/21	NA	NA	Fri 20/8/21	Fri 20/8/21	172 days	s 0.5 day	1165		
1167	EMSD Lift Inspection	0 days	0 days	0 days	0%	Sun 14/3/21	Sun 14/3/21	NA	NA	Fri 3/9/21	Fri 3/9/21	172 days	s 0.5 day	1166FS+14 days	8	
1168	Issuance of Lift Use Permit	0 days	0 days	0 days	0%	Mon 29/3/21	Mon 29/3/21	NA	NA	Sat 18/9/21	Sat 18/9/21	172 days	0.5 day	1167FS+15 days	8	
1169	Testing & commissioning with Statutory Inspection	36 days	0 days	36 days	0%	Sat 11/9/21	Tue 26/10/21	NA	NA	Sat 18/9/21	Tue 2/11/21	6 days	1 days	1162,1168		
1170	Footpath	28 days	0 days	28 days	0%	Tue 20/4/21	Mon 24/5/21	NA	NA	Tue 8/6/21	Mon 12/7/21	40 days	1 days	1160		
1171	Open Space within Part 2C	94 days	0 days	94 days	0%	Tue 25/5/21	Mon 13/9/21	NA	NA	Tue 13/7/21	Tue 2/11/21	40 days	4 days	1170,1230		
1172	Planned Completion for Section 3	0 days	0 days	0 days	0%	Tue 26/10/21	Tue 26/10/21	NA	NA	Tue 2/11/21	Tue 2/11/21	6 days	0 days	1171,1168,1169		
1173	Sections 5 and 9: Noise Barrier Installation		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			
1174	1.0 Noise Barrier Shop Drawing Preparation, Offsite Fabrication		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	1 duy			
			-	-								-	1			
1175	CNP and TTA available	0 days		0 days	0%	Wed 24/6/20	Wed 24/6/20		NA	Thu 20/8/20	Thu 20/8/20	47 days				24
1176	Expose the Extisting Noise Barrier Foundation	70 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				
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	s 0.5 day			
1178	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	s 1 day	1177		F
1179	Carry out the Site Survey for Existing Holding Down Bolt at Existing Landscaped Deck	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		F
1180	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	8	
1181	Noise Barrier Shop Drawings Comment by PM	18 days	0 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 days	0%	Sat 2/5/20	Sat 2/5/20	NA	NA	Sat 6/6/20	Sat 6/6/20	30 days	1 days		• 2	/5
	T <sub></sub> L	C			Tax of A	Vilestone		Durantin			Channel 1				<u>   </u>	ilart
	11 Prog with Progress     Task       Max: 20     Split	Summary Project Sum	ımary		Inactive M			Duration-o Manual Su	nly mmary Rollup		Start-only Finish-only		C ]		ernal Mi dline	iestor
	-May-20	Inactive Tas			Manual T			Manual Su			External Tasl				ical	



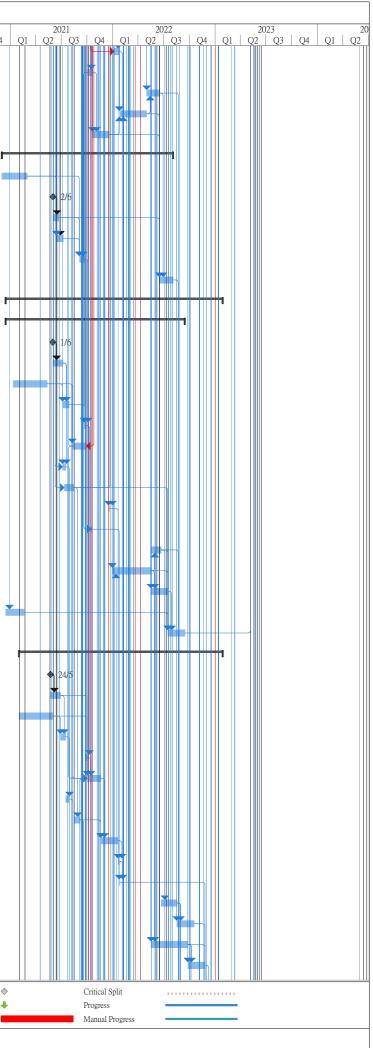
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	Fask Name	Duration Actual Duration	Remaining Duration	Physical % Complete	Early Start			Actual Finis		Late Finish	Total Slack	TRA	Predecessors		20 Q3	(
1183	PMAA Panel Material Comment and Approval by PM	18 days 0 days	18 days	0%	Sat 2/5/20	Fri 22/5/20	NA	NA	Sat 6/6/20	Sat 27/6/20	30 days	1 days	1182			
1184	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	
1185	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			
1186	Material Testing and Offsite Fabrication	247 days 0 days	247 days	0%	Mon 1/6/20	Tue 2/2/21	NA	NA	Wed 10/6/20	Wed 17/2/21	9 days					
1187	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				
1188	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			
1189	Structural Steelwork Procurement	81 days 0 days	81 days	0%	Mon 1/6/20	Thu 20/8/20	NA	NA	Sat 13/6/20	Tue 1/9/20	12 days	1 day				
1190	Structural Steel Frame Material Testing	46 days 0 days	46 days	0%	Fri 21/8/20	Mon 5/10/20	NA	NA	Wed 2/9/20	Sat 17/10/20	12 days	1 day	1189			h
1191	Structural Steel Frame Fabrication and Delivery	120 days 0 days	120 days	0%	Tue 6/10/20	Tue 2/2/21	NA	NA	Sun 18/10/20	Sun 14/2/21	12 days	1 day	1181,1190			1
1192	Structural Steel Frame Start Delivery to Stie	0 days 0 days	0 days	0%	Wed 25/11/20	Wed 25/11/20	NA	NA	Tue 8/12/20	Tue 8/12/20	12 days	1 day	1191SS+51 days			4
1193	Polymethyl Metharylate (PMMA) and Associated Aluminium Sub-frame	121 days 0 days	121 days	0%	Tue 16/6/20	Wed 14/10/20	NA	NA	Sat 11/7/20	Sun 8/11/20	25 days	1 day	1185			
194	Procurement Polymethyl Metharylate (PMMA) panel fabrication and delivery	101 days 0 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			
195	Temp Works Design for Noise Barrier	106 days 0 days	106 days	0%	Sat 13/6/20	Mon 19/10/20	NA	NA	Fri 19/6/20	Sat 24/10/20	5 days			ŀ		4
196	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				
1197	ELS Design for Noise Barrier Comment by AECOM	21 days 0 days	21 days	0%	Fri 10/7/20		NA	NA	Thu 16/7/20	Wed 5/8/20		1 day	1196			
1198	Temporary Works Platform Design Preparation	36 days 0 days	36 days	0%	Sat 13/6/20	Mon 27/7/20		NA	Fri 19/6/20	Sat 1/8/20		1 day				
1190	Temporary Working Platform Design Frequencies	19 days 0 days	19 days	0%	Tue 28/7/20	Tue 18/8/20		NA	Mon 3/8/20	Mon 24/8/20		1 day	1198			
200	Temporary Working Platform Fabrication	51 days 0 days	51 days	0%	Wed 19/8/20	Mon 19/10/20		NA	Tue 25/8/20	Sat 24/10/20		1 day	1198			l
	2.0 Noise Barrier Footing and Modification Existing Column Stud		181.29 days	0%	Fri 20/3/20			NA	Fri 20/3/20	Wed 23/9/20		1 uay	1199			
1201		184 days 2.71 days					Fri 20/3/20				4 days					
1202	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	0 days		1156			
1203	Ground Investigation Works	25 days 0 days	25 days	0%	Sat 4/7/20		NA	NA	Wed 8/7/20	Wed 5/8/20		1 day	1176			
1204	Diversion of Existing Utilities and ELS Construction	42 days 0 days	42 days	0%	Mon 3/8/20		NA	NA	Thu 6/8/20	Wed 23/9/20		1 day	1197,1203			
1205	Fooing with Column Stud Construction	61 days 0 days	61 days	0%	Wed 23/9/20	Sat 5/12/20	NA	NA	Thu 24/9/20	Mon 7/12/20	1 day					ľ
1206	Bay 1 & 3 Fooing with Column Stud and Modification of Existing Column Stud along Bay 1 & 3 $$	10 days 0 days	10 days	0%	Wed 23/9/20	Tue 6/10/20	NA	NA	Thu 24/9/20	Wed 7/10/20	1 day	1 day	1188,1204,184F			
1207	Bay 2 & 4 Fooing with Column Stud and Modification of Existing Column along Bay 2&4	10 days 0 days	10 days	0%	Wed 7/10/20	Sat 17/10/20	NA	NA	Thu 8/10/20	Mon 19/10/20	1 day	1 day	1206			f
1208	Bay 5 & 7 Fooing with Column Stud, Modification of Existing Stud along Bay 5&	&7 10 days 0 days	10 days	0%	Mon 19/10/20	Fri 30/10/20	NA	NA	Tue 20/10/20	Sat 31/10/20	1 day	1 day	1207			ĺ
1209	Bay 6 Fooing with Column Stud, Modification of Existing Stud along Bay 6	10 days 0 days	10 days	0%	Sat 31/10/20	Wed 11/11/20	NA	NA	Mon 2/11/20	Thu 12/11/20	1 day	1 day	1208			
1210	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			
1211	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				ĺ
1212	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			
1213	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			r -	
1214	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			H
1215	Temporary Platform Delivery to Site	0 days 0 days	0 days	0%	Mon 19/10/20	Mon 19/10/20	NA	NA	Tue 27/10/20	Tue 27/10/20	5 days	0.5 day	1200			
1216	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			
1217	Structural Steel Frame Installation	119 days 0 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	1192,121288,12			
1218	PMMA and Associated Aluminum Sub-frame Installation	117 days 0 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			
1219	Lighting Installation	25 days 0 days	25 days	0%	Thu 3/6/21		NA	NA	Fri 4/6/21	Mon 5/7/21	1 day	1 day	1218FF+25 days			
1220	Rainwater downpipe	25 days 0 days	25 days	0%	Thu 3/6/21		NA	NA	Fri 4/6/21	Mon 5/7/21	1 day	1 day	1218FF+25 days			
1220	Bus Lay-by	25 days 0 days	25 days	0%	Thu 3/6/21		NA	NA	Fri 4/6/21	Mon 5/7/21	1 day		1218FF+25 days			
1221	Planned Completion for Section 5 & Section 9	0 days 0 days	0 days	0%	Sat 3/7/21		NA	NA	Mon 5/7/21	Mon 5/7/21	1 day	0 days	1218,1219,1220,			
222	Section 6		1192.27 days?		Thu 16/5/19		Thu 16/5/19		Thu 16/5/19	Wed 29/5/24	298 da	o uays	1210,1217,1220,			
		1201 days 8.73 days														
1224	Fencing (15m/d) & Hoarding Erection (10m/d)	915 days 185.72 days		0%	Tue 15/10/19	Thu 10/11/22			Tue 15/10/19	Fri 30/12/22	42 days	1.7	101.0			
1225	Hoarding - Part 1 (~57m)	51 days 0 days	51 days	0%	Tue 1/12/20		NA	NA	Wed 21/9/22	Mon 21/11/22			121,8			
1226	Fencing - Part 1 (758m)	6 days 0 days	6 days	0%	Sat 19/9/20		NA	NA	Mon 1/3/21	Sat 6/3/21	130 days		121,8			ţ
227	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			
tle: Re	v.11 Prog with Progress	Summary	1	Inactive N	dilestone 🔷		Duration-on	ly		Start-only		C	Exte	rnal Mil	estone	1
	2-May-20	Project Summary	1	Inactive S				nmary Rollup 📲		Finish-only		3		dline		
	Milestone	Inactive Task		Manual T	ask		Manual Sun	nmary	1	External Tas	KS		Criti	ical		



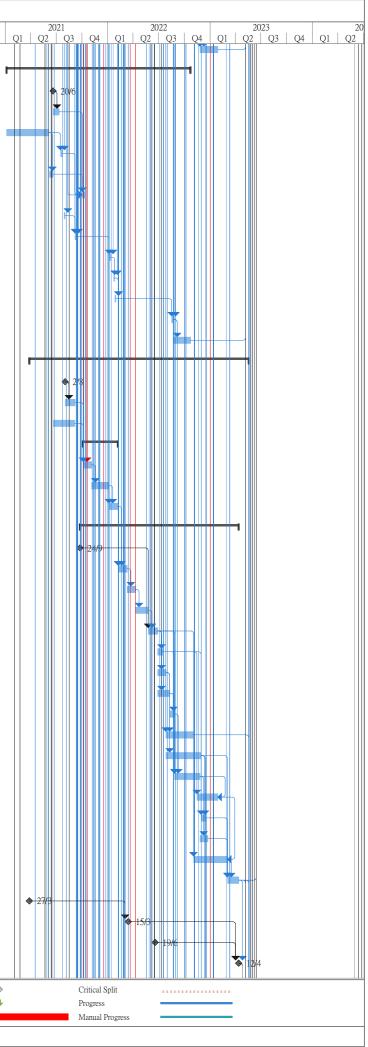
) Ta	isk Name	Duration	Actual	Remaining	Physical %	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total	TRA	Predecessors	202	20	—
1228	Hoarding - Part 2A (~379m) - 4 team		Duration	Duration 12 days	Complete 0%	Mon 2/11/20	Sat 14/11/20		NA	Sat 5/2/22	Fri 18/2/22	Slack 373 days		9,121,1147,1445	Q2	Q3	Q <sup>2</sup>
1228		12 days		-	0%		Tue 2/3/21			Sat 3/2/22 Sat 19/2/22			-				
	Fencing - Part 2B (~132m)		0 days	9 days		Sat 20/2/21		NA	NA		Tue 1/3/22	296 days		10,121,1227,122		Ų	
1230	Hoarding - Part 2C (~106m)		0 days	9 days	0%	Sat 19/9/20	Tue 29/9/20		NA	Fri 2/7/21	Mon 12/7/21	229 days	-	9,121,1147,1445			T
1231	Hoarding - Part 2E (~37m)		0 days	4 days	0%	Mon 3/10/22	Fri 7/10/22		NA	Tue 22/11/22	Fri 25/11/22	42 days	-	11,121,1225			
1232	Fencing - Part 3A (~326m)	24 days	-	24 days	0%	Fri 14/10/22	Thu 10/11/22		NA	Fri 2/12/22	Fri 30/12/22	42 days		12,121,1235			
1233	Fencing - Part 3D (~29m)	2 days	0 days	2 days	0%	Sat 19/9/20	Mon 21/9/20		NA	Sat 12/6/21	Tue 15/6/21	214 days		14,121		<b>}</b>	Ħ
1234	Fencing - Part 3E (~23m)	2 days	0 days	2 days	0%	Wed 13/1/21	Thu 14/1/21		NA	Wed 16/6/21	Thu 17/6/21	123 days	0 days	14,121,1236,123			
1235	Fencing - Part 3F (~62m)	5 days	0 days	5 days	0%	Sat 8/10/22	Thu 13/10/22	NA	NA	Sat 26/11/22	Thu 1/12/22	42 days	0 days	15,121,1231,123			
1236	Fencing - Part 3G (~69m)	5 days	0 days	5 days	0%	Tue 5/1/21	Sat 9/1/21	NA	NA	Mon 7/6/21	Fri 11/6/21	123 days	0 days	14,121			
1237	Fencing - Part 3I (~19m)	2 days	0 days	2 days	0%	Mon 11/1/21	Tue 12/1/21	NA	NA	Sat 12/6/21	Tue 15/6/21	123 days	0 days	14,121,1236			
1238	Fencing - Part 4 (~180m)	14 days	0 days	14 days	0%	Fri 5/3/21	Sat 20/3/21	NA	NA	Tue 24/5/22	Thu 9/6/22	361 days	2 days	121,13,1237			
1239	Fencing - Part 6A (~19m)	2 days	0 days	2 days	0%	Sat 19/9/20	Mon 21/9/20	NA	NA	Sat 26/9/20	Mon 28/9/20	6 days	0 days	8,121,1241		T T	
1240	Fencing - Part 6B (~23m)	2 days	0 days	2 days	0%	Tue 22/9/20	Wed 23/9/20	NA	NA	Tue 29/9/20	Wed 30/9/20	6 days	0 days	8,121,1239		*	1
1241	Hoarding - WA1 (~300m)	41 days	41 days	0 days	70%	Tue 15/10/19	Sat 30/11/19	Tue 15/10/19	Sat 30/11/19	Tue 15/10/19	Sat 30/11/19	0 days	0.5 days	18,121	$\rightarrow$		
1242	Fencing (15m/d) & Hoarding Erection (10m/d) - Upon Works Completion	100 days	0 days	100 days	0%	Tue 5/7/22	Tue 1/11/22	NA	NA	Fri 5/8/22	Fri 2/12/22	27 days					
1243	Fencing - ~1437m	100 days	0 days	100 days	0%	Tue 5/7/22	Tue 1/11/22	NA	NA	Fri 5/8/22	Fri 2/12/22	27 days	5 days	1527			
1244	Hoarding - ~260m	28 days	0 days	28 days	0%	Tue 5/7/22	Fri 5/8/22	NA	NA	Mon 19/9/22	Sat 22/10/22	64 days	2 days	1527			
1245	Demolition Work - Extg Fire Service Station	89 days	89 days	0 days	0%	Fri 16/8/19	Sat 30/11/19	Fri 16/8/19	Sat 30/11/19	Fri 16/8/19	Sat 30/11/19	0 days					
1246	Asbesto Survey (PS Cl. 2.04(9))	8 days	8 days	0 days	100%	Fri 16/8/19	Fri 23/8/19	Fri 16/8/19	Fri 23/8/19	Fri 16/8/19	Fri 23/8/19	0 days	0.5 days	1226			
1247	Demolish of abandoned Fire Service Station	11 days	11 days	0 days	100%	Tue 19/11/19	Sat 30/11/19	Tue 19/11/19	Sat 30/11/19	Tue 19/11/19	Sat 30/11/19	0 days	0.5 days	1246			
248	Rising Main	623 days	0 days	623 days	0%	Tue 1/12/20	Tue 3/1/23	NA	NA	Mon 1/2/21	Tue 30/5/23	50 days					
1249	Rising Main - Method Statement Submission		0 days	0 days	0%	Tue 1/12/20	Tue 1/12/20	NA	NA	Mon 1/2/21	Mon 1/2/21	62 days	0.5 days				
1250	Rising Main Method Statement Comment & Appraoval	35 days	-	35 days	0%	Tue 1/12/20	Mon 4/1/21		NA	Mon 1/2/21	Sun 7/3/21	62 days	-	1249			
1251	Part 1 - CHA660-1097.77 - 2x160mm dia (~438m)	95 days		95 days	0%	Mon 8/2/21	Mon 7/6/21		NA	Mon 8/3/21	Sat 3/7/21	21 days		8,1226,427,419,1			
1251	Part 9A - CHA32-71 - 2x160mm dia (~39m) (KD5)	15 days	-	15 days	0%	Tue 8/6/21	Fri 25/6/21	NA	NA	Mon 5/7/21	Wed 21/7/21	21 days		8,1251			
253	Part 9B Rising Main	36 days		36 days	0%	Sat 26/6/21	Sat 7/8/21	NA	NA	Thu 22/7/21	Wed 1/9/21	21 days		1252			
1255	Part 3B - CHA418-443 - 2x160mm dia (~25m) (KD7)		0 days	10 days	0%		Thu 19/8/21		NA	Thu 2/9/21				13,125288,1253			
1254	Part 9 - CHA0-363 & 71-363 - 2x160mm dia. (~655m) (KD4)			-	0%	Tue 31/8/21	Fri 28/1/22		NA	Thu 2/9/21				16,1254SS			
		124 days		124 days							Mon 31/1/22	2 days					
1256	Part 8 - CHA363-418&443-452 - 2x160mm dia (~64m)	20 days		20 days	0%	Sat 29/1/22	Thu 24/2/22		NA	Thu 9/3/23	Fri 31/3/23	330 days		1255			
1257	Part 3A - CH452-660 - 2x160mm dia (~208m)	45 days	-	45 days	0%	Fri 11/11/22	Tue 3/1/23	NA	NA	Sat 1/4/23	Tue 30/5/23	117 days	6 days	12,1232,1256			
1258	Allow Access for EMSD third District Cooling System Contractor for DCS Pipelin Laying at Parts 3A, 3B, 8, 9 and 9A	e 0 days	0 days	0 days	0%	Tue 3/1/23	Tue 3/1/23	NA	NA	Tue 30/5/23	Tue 30/5/23	147 days		1257			
1259	Underground Drainage (Stormwater & Sewerage Drainage)	496 days	0 days	496 days	0%	Tue 1/12/20	Wed 3/8/22	NA	NA	Wed 31/3/21	Wed 5/10/22	51 days					
1260	Procurement of Stormwater Drainage Pipes	90 days	0 days	90 days	0%	Tue 16/2/21	Sun 16/5/21	NA	NA	Wed 31/3/21	Mon 28/6/21	43 days	1 day				
1261	Stormwater Drainage	299 days		299 days	0%	Tue 15/6/21	Wed 15/6/22	NA	NA	Tue 29/6/21	Wed 21/9/22	12 days		428,465,1260			
1262	Stormwater Drainage - ELS Temp. Works Design and Method Statement	0 days	-	0 days	0%	Tue 15/6/21	Tue 15/6/21		NA	Tue 29/6/21	Tue 29/6/21	14 days	1 day				
1263	Submission Stormwater Drainage - ELS Temp. Works Design and Method Statement	35 days		35 days	0%	Tue 15/6/21	Mon 19/7/21		NA	Tue 29/6/21	Mon 2/8/21	14 days		1262			
1264	Ch1000 - CH1087 (~92.5m, 2 M/H)	16 days	-	16 days	0%	Tue 20/7/21	Fri 6/8/21	NA	NA	Tue 3/8/21	Fri 20/8/21	12 days		1263			
1265	CH1087 - CH1189.4 (~210m, 9 M/H)	24 days		24 days	0%	Sat 7/8/21	Fri 3/9/21	NA	NA	Sat 21/8/21	Fri 17/9/21	12 days		1265			
1265	CH1189.4 - CH1189.4 (~210m, 9 M/H) CH1189.4 - CH1394 (~167m, 3 MH) - Bridge D3	24 days		24 days	0%	Tue 24/8/21	Mon 20/9/21		NA	Tue 9/11/21	Mon 6/12/21	63 days	-	944SS			
1267	CH1394 - CH1444.7 (~40m, 3 M/H) - S. Ramp	21 days		21 days	0%	Tue 7/9/21	Sat 2/10/21		NA	Tue 9/11/21	Thu 2/12/21	51 days		1266SS,988SS+			
1268	CH1444.7 - CH1560 (~222m, 10 M/H) - Rd D3	38 days		38 days	0%	Wed 23/6/21	Fri 6/8/21	NA	NA	Mon 21/2/22	Wed 6/4/22	198 days		987			
1269	CH1560 - CH1720 (~239m, 8 M/H) - N.D. Rd	14 days	-	14 days	0%	Sat 7/8/21	Mon 23/8/21		NA	Thu 7/4/22	Tue 26/4/22	198 days		1263,1268,436			
1270	CH1720 - CH1920 (~450.7m, 13 M/H) Underpass	96 days	0 days	96 days	0%	Tue 24/8/21	Thu 16/12/21		NA	Wed 27/4/22	Thu 18/8/22	198 days	-	1269			
1271	CH1920 - CH2000 (~160m, 6 M/H) S.D. Rd	14 days	0 days	14 days	0%	Fri 17/12/21	Wed 5/1/22	NA	NA	Fri 19/8/22	Sat 3/9/22	198 days	1 days	1270			
		0				flat.		P :			0		<b>F</b>				_
	.11 Prog with Progress Task Split	Summary Project Sum	mary		Inactive M			Duration-on Manual Sun	ly 📃 1mary Rollup 💼		Start-only Finish-only		C ]	Exter Dead	mal Mile: lline	aone	
is of 22-	-May-20 Milestone	Inactive Tas		~	Manual T	-		Manual Sun			External Task		-	Critic			



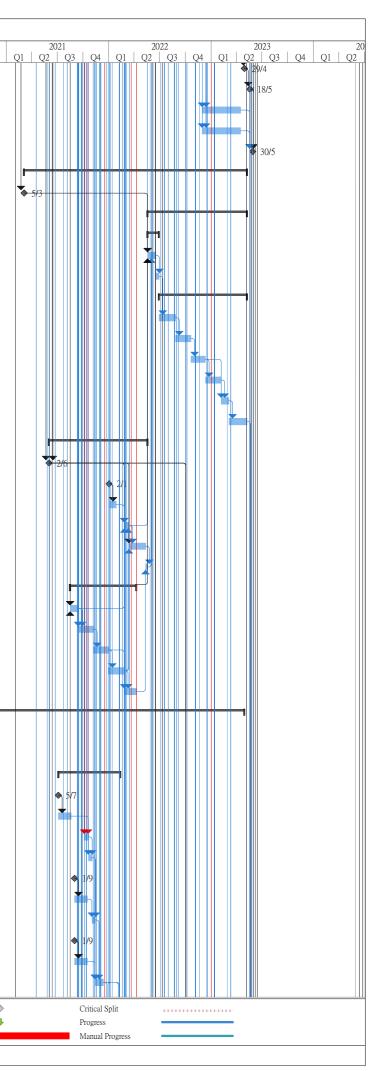
D Ta	ask Name	Duration	A ctuol	Domaining	Dhysical (/	Farly Ctout		Actual Start	Actual Finish	,	Late Finish	Total TD A	Dradaoassam	20	)20
		Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start						Total TRA Slack	Predecessors	Q2	)20   Q3
1272	CH2000 - CH2060 (~84m, 2 M/H) - S.D. Rd	14 days	0 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	8	
1273	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		
274	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		
275	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		
1276	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		
1277	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			
1278	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 day	S		
1279	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 day	s		
1280	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 day	s 1279		
281	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	5	
1282	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	,	
1283	CH100 - CH147 (~156m, 6 M/H) - L12 Road	41 days	0 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		
284	Underground Watermain	629 days	0 days	629 days	0%	Tue 15/12/20	Fri 27/1/23	NA	NA	Fri 14/5/21	Thu 16/3/23	41 days			
1285	Fresh Watermain	519 days	0 days	519 days	0%	Tue 15/12/20	Wed 14/9/22	NA	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			
287	Fresh Watermain Method Statement Comment & Appraoval	35 days	-	35 days	0%	Tue 1/6/21		NA	NA	Sat 7/8/21	Fri 10/9/21	67 days 1 days	1286		
1287	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	1200		
1288	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		
				-	0%										
1290	CH1087 - CH1189.4 (~212m) - N. Ramp	4 days		4 days		Tue 21/9/21		NA	NA	Thu 7/10/21	Mon 11/10/21	12 days 0 days	1282,467,1289		
291	CH1189.4 - CH1394 (~409.2m) - Bridge D3	42 days		42 days	0%	Tue 10/8/21	Tue 28/9/21	NA	NA	Fri 15/10/21	Thu 2/12/21	54 days 2 days	1288,944FF		
292	CH1394 - CH1444.7 (~101.4m) - S. Ramp	10 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,		
293	CH1444.7 - CH1560 (~165m) - Rd D3	30 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		
1294	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		
1295	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	5	
1296	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		
1297	Open Space & Promenade (~1,093m)	110 days		110 days	0%		Mon 16/5/22		NA	Wed 12/1/22	Fri 27/5/22	10 days 1 day	1497,458,111		
1298	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		
1299	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		
1300	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	,	
1301	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			
1302	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			
1303	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		
1304	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			
1305	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		
1306	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		
1307	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 day	s 1291SS,1303,45		
1308	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		
1309	CH1444.7 - CH1560 (~165m) - Rd D3	18 days	0 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		
1310	CH1560 - CH1720 (~160m) - NDR	50 days	0 days	50 days	0%	Fri 19/11/21	Wed 19/1/22	NA	NA	Thu 21/7/22	Sat 17/9/22	197 days	1307,1309,444		
1311	CH1720 - CH1920 (~25m) - Underpass		0 days	3 days	0%	Thu 20/1/22	Sat 22/1/22	NA	NA	Mon 19/9/22	Wed 21/9/22	197 days 1 day	1294,1310		
1312	CH2060 - CH2118.93 (~47m) - Rd D3		0 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		
1313	CH100 - CH147 (~455m) - L12 Road	47 days	-	47 days	0%	Wed 22/6/22	Tue 16/8/22		NA	Wed 3/8/22	Tue 27/9/22	35 days 2 days	1296		
1314	L12d Salt Watermain	50 days		50 days	0%	Wed 17/8/22	Mon 17/10/22		NA	Wed 16/11/22	Fri 13/1/23	75 days 1 day	1313,498		
1314	Open Space & Promenade (~1,093m)	-	-	110 days	0%	Tue 17/5/22	Sat 24/9/22		NA	Sat 28/5/22	Sat 8/10/22		1297,458		
		110 days										10 days 1 day			
1316	Saltwater main across Kai Tak River	51 days	o uays	51 days	0%	Mon 26/9/22	Fri 25/11/22	NA	NA	Tue 15/11/22	Fri 13/1/23	41 days 1 day	1315,514		
itle: Rev	7.11 Prod with Progress	Summary			Inactive N			Duration-or	-		Start-only	C		ernal Mil	estor
	-May-20	Project Sum Inactive Tas		U	Inactive S Manual T			Manual Sur Manual Sur	nmary Rollup 💼 nmary 🛛 🕇		<ul> <li>Finish-only</li> <li>External Task</li> </ul>	cs and a second	Dea	dline ical	
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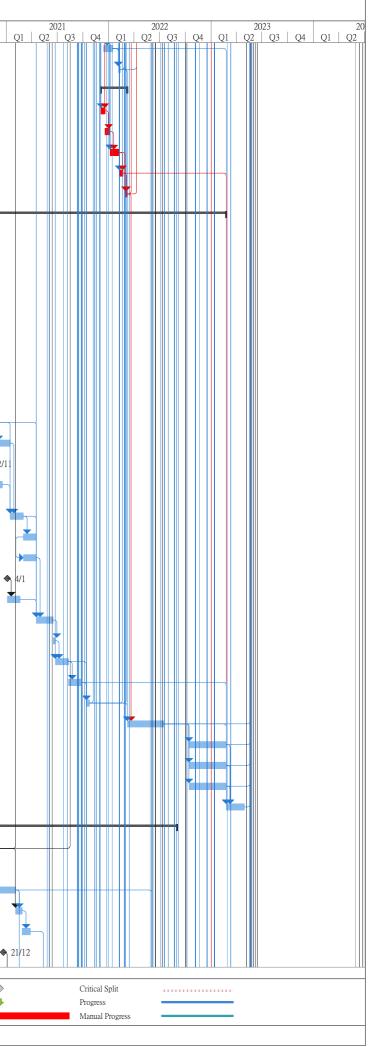
) Ta	ask Name	Duration	Actual	Remaining	Physical 0/-	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total	TRA	Predecessors	2020
			Duration	Remaining Duration	Physical % Complete							Slack	TRA	Predecessors	Q2
1317	Salt Watermain T&C	50 days	0 days	50 days	0%	Sat 26/11/22		NA	NA	Sat 14/1/23	Thu 16/3/23	41 days	-	1312,1315,1316,	
1318	Irrigation System	535 days (	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			
1319	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		
1320	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	
1321	Irrigation Pipe and System Procurement	150 days (	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		
1322	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	
1323	CH1087 - CH1189.4 (~205m) - N. Ramp	10 days	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	
1324	CH1189.4 - CH1394 (~409.2m) - Bridge D3	7 days (	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	
1325	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	
1326	CH1444.7 - CH1560 (~175m) - Rd D3	4 days (	0 days	4 days	0%	Mon 6/9/21	Thu 9/9/21	NA	NA	Mon 12/9/22	Thu 15/9/22	302 days	0 days	1309,1322,1325	
1327	CH1920 - CH2000 (~160m) S.D. Rd	5 days (	0 days	5 days	0%	Thu 6/1/22	Tue 11/1/22	NA	NA	Fri 16/9/22	Wed 21/9/22	207 days	1 day	1271,1326	
1328	CH2000 - CH2060 (~60m) - S.D. Rd	2 days	0 days	2 days	0%	Sat 22/1/22	Mon 24/1/22	NA	NA	Thu 22/9/22	Fri 23/9/22	198 days	0 days	1272,1327	
1329	CH2060 - CH2118.93 (~100m) - Rd D3	3 days	0 days	3 days	0%	Wed 26/1/22	Fri 28/1/22	NA	NA	Sat 24/9/22	Tue 27/9/22	197 days	0 days	1312,1328	
1330	CH100 - CH147 (~173m) - L12 Road	5 days (	0 days	5 days	0%	Wed 17/8/22	Mon 22/8/22	NA	NA	Wed 28/9/22	Wed 5/10/22	35 days	1 day	1313,1329	
1331	Irrigation System T&C	50 days	0 days	50 days	0%	Tue 23/8/22	Sat 22/10/22	NA	NA	Sat 14/1/23	Thu 16/3/23	120 days	1 day	1330	
1332	Salt Water and Sewage Pumping Station	637 days (		637 days	0%	Sat 27/3/21	Thu 18/5/23			Wed 28/7/21	Tue 30/5/23	8 days	-		
1333	Salt Water Pumping Station - Temp. Works Design and Method Statement	-		0 days	0%	Mon 2/8/21		NA		Fri 10/9/21	Fri 10/9/21	39 days	1 dav		
1334	Submission Salt Water Pumping Station - Temp. Works Design and Method Statement	-	-	35 days	0%	Mon 2/8/21		NA		Fri 10/9/21	Thu 14/10/21	39 days		1333	
1335	& Appraval Utilities Diversion	65 days	-	65 days	0%	Mon 21/6/21		NA		Wed 28/7/21		-		1555	
		-											15 day		
1336	Substructure	100 days (	-	100 days	0%	Tue 5/10/21	Sat 5/2/22	NA		Fri 15/10/21	Tue 15/2/22	8 days	5.1	140 1004 1005 1	
1337	Sheetpile Installation	25 days (		25 days	0%	Tue 5/10/21	Wed 3/11/21			Fri 15/10/21	Fri 12/11/21		5 days	148,1334,1335,1	
1338	Excavation and Shoring Installation	50 days	-	50 days	0%	Thu 4/11/21		NA		Sat 13/11/21	Thu 13/1/22	-	5 days	1337	
1339	Base Slab Construction include blinding layer	25 days	0 days	25 days	0%	Wed 5/1/22	Sat 5/2/22	NA		Fri 14/1/22	Tue 15/2/22	8 days	3 days	1338,149FS+120	
1340	Superstructure	460 days (	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			
1341	Coordination with CLP to plan for Layout and Details of Transformer R	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			
1342	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	
1343	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	
1344	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	
1345	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	
1346	Watertightnes Test	15 days	0 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	
1347	Backfilling & Sheetpile Removal	24 days	0 days	24 days	0%	Tue 28/6/22	Tue 26/7/22	NA	NA	Tue 9/8/22	Mon 5/9/22	35 days	2 days	1345	
1348	Water Chamber Construction	36 days	0 days	36 days	0%	Tue 28/6/22	Tue 9/8/22	NA	NA	Fri 8/7/22	Thu 18/8/22	8 days	1 day	1345	
1349	Watertightnes Test for Water Chamber	15 days (	0 days	15 days	0%	Wed 10/8/22	Fri 26/8/22	NA	NA	Fri 19/8/22	Mon 5/9/22	8 days	1 day	1348	
1350	Drainage and Roadworks	80 days	0 days	80 days	0%	Wed 27/7/22	Mon 31/10/22	NA	NA	Sat 18/2/23	Mon 29/5/23	170 days	5 days	1347,383	
1351	Utilities Laying	105 days (	0 days	105 days	0%	Wed 27/7/22	Tue 29/11/22	NA	NA	Tue 6/9/22	Tue 10/1/23	35 days	5 days	1347	
1352	Finishing work and fitting out	75 days (	0 days	75 days	0%	Sat 27/8/22	Fri 25/11/22	NA	NA	Tue 6/9/22	Mon 5/12/22	8 days	1 day	714,1345,555,13	
1353	Tx Installation with T&C	60 days	0 days	60 days	0%	Tue 15/11/22	Fri 27/1/23	NA	NA	Thu 24/11/22	Mon 6/2/23	8 days	1 day	1346,1352FF+50	
1354	PCCW Installation	15 days (	-	15 days	0%		Fri 16/12/22	NA		Fri 24/2/23	Mon 13/3/23	70 days	1 dav	1351,1346	
1355	Ironmongery work	24 days		24 days	0%	Sat 26/11/22	Fri 23/12/22			Tue 14/2/23	Mon 13/3/23	64 days		1352	
1356	E&M installation	100 days (		100 days	0%	Thu 3/11/22		NA		Sat 12/11/22	Mon 13/3/23	8 days		1332 1345,1353FF+30	
1357	Testing and Commissioning		-	30 days	0%	Sat 4/3/23	Wed 12/4/23			Tue 14/3/23	Fri 21/4/23		2 days	1345,1355,1351,	
		30 days											-	1550,1555,1551,	
1358	WSD Form 46 Part I & II Submission	-	0 days	0 days	0%	Sat 27/3/21		NA		Sat 22/4/23	Sat 22/4/23	615 days		1250	
1359	WSD Form 46 Part 46 Part IV Submission		0 days	0 days	0%	Tue 15/3/22	Tue 15/3/22			Sat 22/4/23	Sat 22/4/23	-	0.5 days	1358	
1360	CLP Meter Installation	-	0 days	0 days	0%	Sun 19/6/22	Sun 19/6/22			Sat 22/4/23	Sat 22/4/23	251 days			
1361	FSD Form 501 Submission for FS Inspection	0 days 0	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	
Title <sup>.</sup> Rev	11 Prog with Progress	Summary			Inactive 1	Milestone 🔷		Duration-or	ly		Start-only		C	Exten	al Mil
	-Mav-20	-			Inactive S	-			nmary Rollup 📩		Finish-only	len.	3	Deadl	
	Milestone	Inactive Task	2		Manual T	i ask		Manual Sur	nmary 📕		External Task	.cs		Critic	1



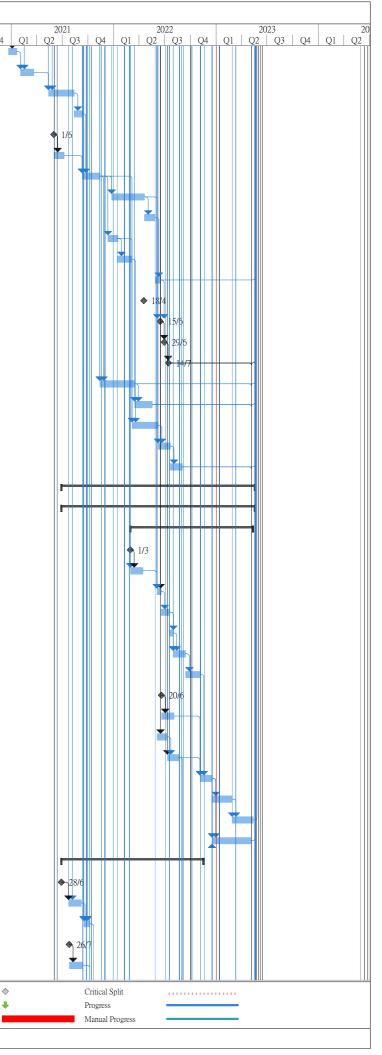
D Ta	isk Name	Duration		Remaining	Physical %	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total	TRA	Predecessors		)20
1362	FSD Inspection		Duration 0 days	Duration 0 days	Complete 0%	Sat 29/4/23	Sat 29/4/23	NA	NA	Thu 11/5/23	Thu 11/5/23	Slack 8 days	0.5 days	1361FS+15 days	Q2	
1363	Issuance of FS Certificate		0 days	0 days	0%	Thu 18/5/23		NA	NA	Tue 30/5/23	Tue 30/5/23	8 days	0.5 days	1362FS+15 days		
		-			0%					Wed 11/1/23	Mon 29/5/23		-	562,1351,548		
1364	Salt Water and Sewage Pumping Station: Landscaping hardworks and softworks	110 days		110 days		Wed 30/11/22		NA	NA			35 days				
1365	Salt Water and Sewage Pumping Station: Planting Works	110 days		110 days	0%		Sat 15/4/23		NA	Wed 11/1/23	Mon 29/5/23	35 days	2 days	562,1351,548		
1366	Section 6 Completion	0 days		0 days	0%	Tue 30/5/23		NA	NA	Tue 30/5/23	Tue 30/5/23	0 days		1350,1363,1364,		
1367	Seawater Intake Box Culvert (~169m)	647 days	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				
1368	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		
1369	Part 4 - CHA.0-79 (79m)	290 days	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				
1370	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				
1371	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,		
1372	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		
1373	CHA 24-79 (75m) (5 units)	256 days	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				
1374	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		
1375	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		
1376	Unit 2 & 4 (41 days per unit)	44 days	0 days	44 days	0%	Fri 21/10/22	Sat 10/12/22	NA	NA	Fri 11/11/22	Mon 2/1/23	18 days	3 days	1375		
1377	Unit 5 & 6 (41 days per unit)	44 days	0 days	44 days	0%	Mon 12/12/22	Sat 4/2/23	NA	NA	Tue 3/1/23	Sat 25/2/23	18 days	3 days	1376		
1378	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		
1379	Reinstate seawall	50 days		50 days	0%	Mon 6/3/23	Mon 8/5/23	NA	NA	Mon 27/3/23	Tue 30/5/23	18 days		1378		
1380	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	, -			
1381	Access Date - Part 10		0 days	0 days	0%	Wed 2/6/21		NA	NA	Wed 2/6/21	Wed 2/6/21	0 days	0 days	4FS+734 days,11		
				-	0%			NA			Tue 22/2/22		0 uays	41'3+7'34 uays,1		
1382	Tempoary Works Design and Method Statement Submission		0 days	0 days		Sun 2/1/22	Sun 2/1/22		NA	Tue 22/2/22		40 days		1000		
1383	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	0.1	1382		
1384	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,		
1385	Box Culvert with Feeder Installation	47 days	0 days	47 days	0%	Mon 14/3/22	Wed 11/5/22	NA	NA	Mon 4/4/22	Wed 1/6/22	18 days	6 days	1384,1381,1391		
1386	Remove struts and backfilling	6 days	0 days	6 days	0%	Thu 12/5/22	Wed 18/5/22	NA	NA	Thu 2/6/22	Thu 9/6/22	18 days	1 days	1392,1385		
1387	Part 1 - CH89-165 (76m) 6 Units	193 days	0 days	193 days	0%	Mon 16/8/21	Fri 8/4/22	NA	NA	Mon 6/9/21	Wed 1/6/22	18 days				
1388	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	0.5 days	9,1147,1445		
1389	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		
1390	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		
1391	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		
1392	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		
1393	Elevated Landscape Deck CH1920 - 2090	1178 day	s11.27 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				ŀ
1394	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			
1395	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				
1396	Part 1 - CH1919-2020 (70m) 4 bays	181 days	0 days	181 days	0%	Mon 5/7/21	Thu 10/2/22	NA	NA	Wed 8/9/21	Mon 14/2/22	3 days				
1397	Pier Temporary Works Design and Method Statement Submission	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			
1398	Pier Temporary Works Design and Method Statement Comment & Approval	45 days	0 davs	45 days	0%	Mon 5/7/21	Wed 18/8/21	NA	NA	Wed 8/9/21	Fri 22/10/21	65 days	1 dav	1397		
1399	CH1930 Pier (1set x 3nos.):	12 days		12 days	0%	Tue 5/10/21	Tue 19/10/21		NA	Fri 8/10/21	Fri 22/10/21	3 days		1075,1076,1066		
1400	CH1950-Ftel (1set x 5nos). CH1950-CH2020: Pier (3sets x 3nos) - 1 day/no 1 team	11 days		12 days	0%		Mon 1/11/21		NA	Sat 23/10/21	Thu 4/11/21	3 days	2 dav	579,1398,1399		
	Falsework Temporary Works Design and Method Statement Submission			-	0%	Wed 20/10/21 Wed 1/9/21		NA						517,1570,1573		
1401			0 days	0 days					NA	Tue 21/9/21	Tue 21/9/21	20 days		1401		
1402	Falsework Temporary Works Design and Method Statement Comment & Approval	45 days		45 days	0%	Wed 1/9/21	Fri 15/10/21		NA	Tue 21/9/21	Thu 4/11/21	20 days		1401		
1403	Falsework erection	10 days		10 days	0%	Tue 2/11/21	Fri 12/11/21		NA	Fri 5/11/21	Tue 16/11/21	3 days	1 day	1400,1402		
1404	Deck & Secondary Upstand Beam Temporary Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Wed 1/9/21		NA	NA	Sun 3/10/21	Sun 3/10/21	32 days				
1405	Deck & Secondary Upstand Beam Temporary Works Design and Method Statement Comment & Approval	45 days	0 days	45 days	0%	Wed 1/9/21	Fri 15/10/21	NA	NA	Sun 3/10/21	Tue 16/11/21	32 days	1 day	1404		
1406	Deck (4 bays) 12d/bay & link bridge (12d/bay)	25 days	0 days	25 days	0%	Sat 13/11/21	Sat 11/12/21	NA	NA	Wed 17/11/21	Wed 15/12/21	3 days	1 day	1403,625,623FS		
Title: Por	.11 Prog with Progress Task	Summary		, 	Inactive M	lilestone 🔷	1	Duration-on	ly	1	Start-only		C	Exte	mal Mile	ie
as of 22-	-May-20 Split	Project Sur		0	Inactive St	-			imary Rollup		Finish-only		3	Dead		
	Milestone	Inactive Tas	SK.		Manual Ta	ask		Manual Surr	imary		External Task	ks		Criti	al	_



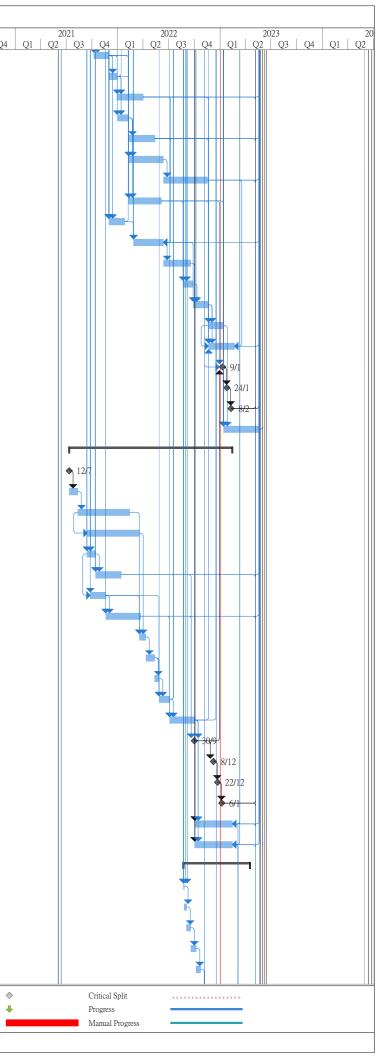
) (	Task Name	Duration	Actual	Remaining	Physical %	Early Start	Early Finish	Actual Start	Actual Fini	sh Late Start	Late Finish	Total	TRA	Predecessors	2020	
1407	Secondary Upstand Beam		Duration	Duration 26 days	Complete 0%	Mon 13/12/21	Fri 14/1/22	NA	NA	Thu 16/12/21	Tue 18/1/22	Slack 3 days	1.5 day		Q2 Q	23   Q4
1407	Dismantle falsework		0 days	6 days	0%	Fri 4/2/22	Thu 10/2/22	NA	NA	Tue 8/2/22	Mon 14/2/22	3 days	0.5 day	1400 1406FS+14 days		
1403	Part 2A - CH2020-2050 (30m) 3 bays	74 days		74 days	0%	Sat 4/12/21	Mon 7/3/22	NA	NA	Mon 22/11/21	Tue 22/2/22	-11 days		14001/3+14 days		
1409	Pier (3sets x 3nos) within CH2007-2090. 1 team	12 days		12 days	0%	Sat 4/12/21 Sat 4/12/21	Fri 17/12/21		NA	Mon 22/11/21	Sat 4/12/21	-11 days		579,1087		
1410	Falsework erection			12 days	0%	Sat 4/12/21 Sat 18/12/21	Tue 4/1/22	NA	NA	Mon 6/12/21	Sat 4/12/21 Sat 18/12/21			1410		
		12 days		-	0%	Wed 5/1/22	Sat 5/2/22		NA			-11 days		1410		
1412	Deck (3 bays) 12d/bay	25 days		25 days				NA		Mon 20/12/21	Thu 20/1/22	-11 days				
1413	Secondary Upstand Beam	12 days		12 days	0%	Mon 7/2/22	Sat 19/2/22	NA	NA	Fri 21/1/22	Mon 7/2/22	-11 days		1412,1406,1407		
1414	Dismantle falsework		0 days	6 days	0%	Tue 1/3/22	Mon 7/3/22	NA	NA	Wed 16/2/22	Tue 22/2/22		0.5 day	1412,1413FS+7		
1415	Elevated Landscaped Deck CH2090 - Ch2109	989 days		989 days	0%	Wed 10/6/20		NA	NA	Wed 10/6/20	Thu 23/3/23	0 days				
1416	G.I. Works/Predrilling Works for Bored Pile No. LD-BP03	12 days		12 days	0%	Wed 10/6/20		NA	NA	Wed 10/6/20	Tue 23/6/20	0 days	1 day			
1417	Design Vertification for Bored Pile No. LD-BP02	30 days	0 days	30 days	0%	Wed 24/6/20	Thu 30/7/20	NA	NA	Wed 24/6/20	Thu 30/7/20	0 days	1 day	1416		
1418	CH2090: Bored Pile No. LD-BP02	34 days	0 days	34 days	0%	Fri 31/7/20	Tue 8/9/20	NA	NA	Fri 31/7/20	Tue 8/9/20	0 days	1 day	1416,1417		
1419	Tripit	12 days	0 days	12 days	0%	Wed 24/6/20	Thu 9/7/20	NA	NA	Wed 24/6/20	Thu 9/7/20	0 days	1 day		<b>•</b>	
1420	Diversion of existing watermain and CLP cable (Tentative)	52 days	0 days	52 days	0%	Fri 10/7/20	Tue 8/9/20	NA	NA	Fri 10/7/20	Tue 8/9/20	0 days	15 day	1419		■┼╢
1421	G.I. Works/Predrilling Works for Bored Pile No. LD-BP03	12 days	0 days	12 days	0%	Thu 2/7/20	Wed 15/7/20	NA	NA	Wed 15/7/20	Tue 28/7/20	11 days	1 day			
1422	Design Vertification for Bored Pile No. LD-BP03	36 days	0 days	36 days	0%	Thu 16/7/20	Wed 26/8/20	NA	NA	Wed 29/7/20	Tue 8/9/20	11 days	1 day	1421		┺┨║║
1423	CH2069: Bored Pile No. LD-BP03	30 days	0 days	30 days	0%	Wed 9/9/20	Thu 15/10/20	NA	NA	Wed 9/9/20	Thu 15/10/20	0 days	1 day	1418,314FF,142		*
1424	Design Vertification for Bored Pile No. LD-BP01	36 days	0 days	36 days	0%	Mon 24/8/20	Tue 6/10/20	NA	NA	Sat 12/9/20	Tue 27/10/20	17 days	1 day			
1425	CH2109: Bored Pile No. LD-BP01	30 days	0 days	30 days	0%	Fri 16/10/20	Fri 20/11/20	NA	NA	Wed 28/10/20	Tue 1/12/20	9 days	1 day	1423,314,1420,1		
1426	Pile testing	43 days	0 days	43 days	0%	Sat 21/11/20	Wed 13/1/21	NA	NA	Wed 2/12/20	Sat 23/1/21	9 days	1 day	1423,1425		
1427	Elevated Landscape Deck - Pilecap with ELS Temp. Works Design and Metho Statement Submission	d 0 days	0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20	NA	NA	Fri 11/12/20	Fri 11/12/20	39 days	1.5 day			
1428	Elevated Landscape Deck - Pilecap with ELS Temp. Works Design and Metho Statement Comment & Appraoval	d 45 days	0 days	45 days	0%	Mon 2/11/20	Wed 16/12/20	NA	NA	Fri 11/12/20	Sun 24/1/21	39 days	1.5 day	1427		
1429	CH2090: Pilecap with ELS	37 days	0 days	37 days	0%	Thu 14/1/21	Mon 1/3/21	NA	NA	Mon 25/1/21	Thu 11/3/21	9 days	1 day	1425,1426,1428		
1430	CH2069: Pilecap with ELS	37 days	0 days	37 days	0%	Tue 2/3/21	Fri 16/4/21	NA	NA	Fri 12/3/21	Tue 27/4/21	9 days	1 day	1429		
1431	CH2109: Pilecap with ELS	37 days	0 days	37 days	0%	Tue 2/3/21	Fri 16/4/21	NA	NA	Fri 12/3/21	Tue 27/4/21	9 days	1 day	1430SS		
1432	Elevated Landscape Deck - Temp. Works Design and Method Statement	0 days	0 days	0 days	0%	Mon 4/1/21	Mon 4/1/21	NA	NA	Sun 14/3/21	Sun 14/3/21	69 days	0.5 day			
1433	Submission Elevated Landscape Deck - Temp. Works Design and Method Statement	45 days	0 days	45 days	0%	Mon 4/1/21	Wed 17/2/21	NA	NA	Sun 14/3/21	Tue 27/4/21	69 days	0.5 day	1432		
1434	Comment & Appraoval Pier (3sets x 3nos) within CH2060-2119. 1 team, 1 no./day	48 days	0 days	48 days	0%	Sat 17/4/21	Tue 15/6/21	NA	NA	Wed 28/4/21	Fri 25/6/21	9 days	3 day	1433,579,1425,1		
1435	Falsework erection	7 days	0 days	7 days	0%	Wed 16/6/21	Wed 23/6/21	NA	NA	Sat 26/6/21	Mon 5/7/21	9 days	0 days	1434		
1436	Deck (3 bays) 12d/bay	39 days	0 days	39 days	0%	Thu 24/6/21	Mon 9/8/21	NA	NA	Tue 6/7/21	Thu 19/8/21	9 days	3 day	1435,715,625,62		
1437	Secondary Upstand Beam	39 days	0 days	39 days	0%	Tue 10/8/21	Fri 24/9/21	NA	NA	Fri 20/8/21	Wed 6/10/21	9 days	1.5 day	1436		
1438	Dismantle falsework	9 days	0 days	9 days	0%	Wed 13/10/21	Sat 23/10/21	NA	NA	Mon 25/10/21	Wed 3/11/21	9 days	1 day	1436FS+14 days		
1439	Install External Cladding	105 days	-	105 days	0%	Tue 8/3/22	Thu 14/7/22		NA	Wed 6/4/22	Thu 11/8/22	24 days		1438,1408,1414		
1440	Elevated Landscaped Deck: Hard Landscaping Works	110 days		110 days	0%	Fri 14/10/22	Thu 23/2/23		NA	Fri 11/11/22	Thu 23/3/23	24 days		1439FS+75 days		
1441	Elevated Landscaped Deck: Soft Landscaping Works	110 days	-	110 days	0%	Fri 14/10/22	Thu 23/2/23		NA	Fri 11/11/22	Thu 23/3/23	24 days		1439FS+75 days		
1442	Elevated Landscaped Deck: Planting Works	110 days		110 days	0%	Fri 14/10/22	Thu 23/2/23		NA	Fri 11/11/22	Thu 23/3/23	24 days		1439FS+75 days		
1442	Installation of Glass Balustrade			52 days	0%	Fri 24/2/23	Sat 29/4/23		NA	Fri 24/3/23	Tue 30/5/23	24 days		1437,1407,1413,		
		52 days											0 days	1457,1407,1415,		
1444	Part 2A - Lift LT1 & LT2 (Landscaped Deck)	671 days	-	671 days	0%	Tue 2/6/20	Wed 31/8/22		NA	Tue 2/6/20	Tue 30/5/23	0 days	0.1	450,260,1		
1445	Access Date - Part 2A,2C		0 days	0 days	0%	Tue 2/6/20	Tue 2/6/20	NA	NA	Tue 2/6/20	Tue 2/6/20	0 days	0 days	4FS+369 days		
1446	TTA Implementation		0 days	3 days	0%	Fri 31/7/20	Mon 3/8/20	NA	NA	Wed 9/6/21	Fri 11/6/21	254 days				
1447	Utilities Diversion (Towngas and Telecom Cable) (tentative)	150 days		150 days	0%	Tue 4/8/20	Mon 1/2/21		NA	Sat 12/6/21	Thu 9/12/21	254 days		1445,1446		
1448	G.I. works	18 days		18 days	0%	Tue 2/2/21	Thu 25/2/21		NA	Fri 10/12/21	Mon 3/1/22	254 days		1445,1447		
1449	Design Vertification	25 days	0 days	25 days	0%	Fri 26/2/21	Fri 26/3/21	NA	NA	Tue 4/1/22	Fri 4/2/22	254 days		1448		
1450	Lift Pilecap & ELS- Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 21/12/20	Mon 21/12/20	NA	NA	Tue 16/11/21	Tue 16/11/21	330 days	0.5 day			
Title: R/	ev.11 Prog with Progress	Summary			Inactive !	Vilestone 🔷		Duration-or	lly		Start-only		C	Extem	al Milestor	ne «
	2-May-20	Project Sum			Inactive S				nmary Rollup	<b></b>	Finish-only		3	Deadli		
	Milestone	Inactive Tas	SK		Manual T	ask		Manual Sur	nmary	1	External Tas	KS		Critica		



as UI 22-1	Milestone	Inactive Task	I.		Man	ual Task		Manual S	ummary		External Task	IS .		Critic	al
tle: Rev. s of 22-I	I I Prog with Progress	Summary Project Sumr	nary			tive Milestone 🔶 tive Summary		Duration-	only ummary Rollup		Start-only Finish-only		C ]	Exter	nal Milest line
	Appraoval						10,7/21								
194	Structure - Temp. Works Design and Method Statement Submission Structure - Temp. Works Design and Method Statement Comment &	0 days 47 days		0 days 47 days	0%	Mon 26/7/21 Mon 26/7/21	Mon 26/7/21 Fri 10/9/21	NA	NA	Fri 3/9/21 Fri 3/9/21	Fri 3/9/21 Tue 19/10/21	39 days 39 days	-	1494	
93	Footing Structure Term Works Design and Mathed Statement Submission	16 days		16 days	0%	Thu 16/9/21	Wed 6/10/21		NA	Wed 29/9/21	Tue 19/10/21		-	987,611,604,618	
2	Foundation - Temp. Works Design and Method Statement Comment & Appraval	45 days		45 days	0%	Sat 24/7/21		NA	NA	Sun 15/8/21	Tue 28/9/21	22 days	-	1491,639,646	
1	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		
0	Toilet	416 days	0 days	416 days	0%	Mon 28/6/21	Wed 16/11/22	NA	NA	Sun 15/8/21	Fri 24/2/23	41 days			
9	E&M and ABWF works, Landscaping and paving works	110 days	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	
38	LT5: Lift installation with T&C and Statutory Inspection	60 days	0 days	60 days	0%	Mon 27/2/23	Fri 12/5/23	NA	NA	Wed 15/3/23	Tue 30/5/23	14 days	1 day	713,1487	
87	Observation Deck: Superstructure with Lift Core and Staircase work	72 days	0 days	72 days	0%	Sat 17/12/22	Sun 26/2/23	NA	NA	Mon 2/1/23	Tue 14/3/23	16 days	1 day	1486	
86	Observation Deck: Substructure with Excavation/ELS works	36 days	0 days	36 days	0%	Sat 5/11/22	Fri 16/12/22	NA	NA	Sat 19/11/22	Sat 31/12/22	12 days	1 day	163,506,1483,14	
85	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	
84	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	
183	Submission 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	
182	Structure & Lift Core - Temp. Works Design and Method Statement	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		
481	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	
180	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	
479	Predrilling works for Socket H- pile	12 days		12 days	0%	Tue 19/7/22	Sat 30/7/22	NA	NA	Wed 3/8/22	Sun 14/8/22	15 days		1478	
178	Design Vertification	25 days		25 days	0%	Sat 18/6/22	Mon 18/7/22		NA	Tue 5/7/22	Tue 2/8/22	13 days		1477	
177	Appraval G.I. works for LT5	12 days	-	12 days	0%		Fri 17/6/22		NA				-	1447,611,604,15	
76	Foundation - Temp. Works Design and Method Statement Submission	45 days		45 days	0%	Tue 1/3/22	Thu 14/4/22		NA	Fri 6/5/22	Sun 19/6/22	66 days	-	1475,639,646	
75	Foundation - Temp, Works Design and Method Statement Submission	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		
.73	Open Space & Promenade (From Northern End - CH1720) Observation Deck	564 days 358 days		564 days 358 days	0%	Mon 28/6/21 Tue 1/3/22	Thu 18/5/23 Fri 12/5/23	NA	NA	Sun 15/8/21 Fri 6/5/22	Tue 30/5/23	9 days 14 days			
72 73	Open Space & Promenade Open Space & Promenade (From Northern End., CH1720)	564 days	-	564 days	0%	Mon 28/6/21	Thu 18/5/23			Sun 1/8/21	Tue 30/5/23 Tue 30/5/23	9 days			
	L12d Roadworks and Pedestrian	36 days		36 days	0%	Thu 21/7/22	Wed 31/8/22		NA	Mon 17/4/23		220 days	1 uay	1470	
70	, 0	-	-	-	0%						Tue 30/5/23		-	· ·	
69 70	L12d Underground Drainage and Utilities Laying L12d Roadworks and Pedestrian, with Light Pole	75 days 36 days		75 days 36 days	0%	Mon 7/3/22 Wed 8/6/22	Tue 7/6/22 Wed 20/7/22	NA	NA	Tue 29/11/22 Wed 1/3/23	Tue 28/2/23 Sat 15/4/23	220 days 220 days		1457,1460,1461	
68	Finishing and E&M Works	50 days		50 days	0%	Wed 16/3/22	Tue 17/5/22		NA	Mon 27/3/23	Tue 30/5/23	309 days	-	1467,367	
67	Staircase ST1	100 days		100 days	0%	Fri 12/11/21	Tue 15/3/22		NA	Fri 25/11/22	Sat 25/3/23	309 days		587,367,1457	
466	Issuance of Lift Use Permit	-	0 days	0 days	0%	Thu 14/7/22	Thu 14/7/22		NA	Tue 30/5/23	Tue 30/5/23	320 days	-	1465FS+15 days	
465	EMSD Lift Inspection		0 days	0 days	0%	Wed 29/6/22	Wed 29/6/22		NA	Tue 16/5/23	Tue 16/5/23	320 days	-	1464FS+14 days	
464	EMSD Submission Form 5 for Lift Inspection		0 days	0 days		Wed 15/6/22			NA	Tue 2/5/23	Tue 2/5/23	320 days	-	1458,1462	
1463	CLP Meter Installation		0 days	0 days	0%	Mon 18/4/22	Mon 18/4/22 Wed 15/6/22		NA	Mon 18/4/22	Mon 18/4/22	0 days		1459 1460	
462	Testing & commissioning	15 days		15 days	0%	Sat 28/5/22	Wed 15/6/22		NA	Thu 13/4/23	Sat 29/4/23	261 days	-	1459	
461	Parapet Installation and Finishing Works	40 days		40 days	0%	Sat 15/1/22	Sat 5/3/22	NA	NA	Thu 13/10/22			-	1460	
460	Louvers and Glazing Installation	27 days	-	27 days	0%	Sat 11/12/21		NA	NA	Thu 8/9/22		220 days		1457FS+25 days	
1459	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		1458	
1458	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	
1457	Lift Tower: Falsework & Formwork Erection, Rebar Fixing & Concreting	63 days	0 days	63 days	0%	Fri 10/9/21	Thu 11/11/21	NA	NA	Wed 8/6/22	Tue 9/8/22	271 days	3 days	1454,1157,1456	
456	Lift Structure - Temp. Works Design and Method Statement Comment & Appraoval	l 36 days	0 days	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	
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		
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	
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	
452	**	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	
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	Q2
			Duration	Duration	Complete	8		1				Slack			

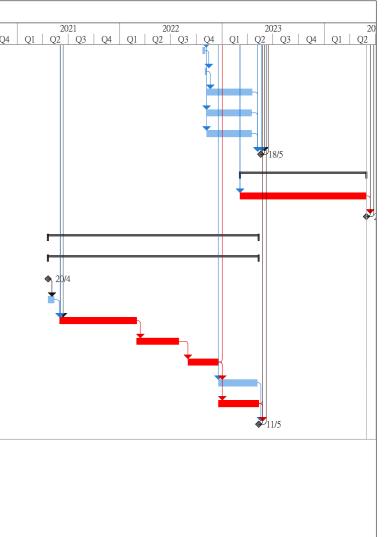


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) T	ask Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish			sh Late Start	Late Finish	Total TRA Slack	Predecessors	2 Q2
1496	Structure work	45 days	0 days	45 days	0%	Thu 7/10/21	Mon 29/11/21	NA	NA	Wed 20/10/21	Fri 10/12/21	10 days 0.5 days	1493,506,1495	
1497	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	
1498	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	
1499	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	
1500	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	
1501	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	
1502	Refuse Collection Block and Back of House: Building Works and E&M Works	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	
1503	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	
1504	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	1
1505	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	
1506	Fitness Ground Lawn & Water Play Plaza	82 days	0 days	82 days	0%	Mon 13/6/22	Sat 17/9/22	NA	NA	Sat 2/7/22	Sat 8/10/22	16 days 1 day	days,1500FF+25 1505	
1507	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	NA	Thu 1/9/22	Sat 8/10/22	9 days 0.5 days	1503,1485	
1508	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	NA	Mon 10/10/22	Wed 30/11/22	9 days 0.5 days	1507,1505,1506	
1509	Paving work & Hard Landscaping Works	45 days	0 days	45 days	0%	Mon 21/11/22	Thu 12/1/23	NA	NA	Thu 1/12/22	Thu 26/1/23	9 days 2 days	1508,1500,1498	
1510	ABWF, E&M work and street furniture	75 days		75 days	0%	Mon 21/11/22			NA	Sat 25/2/23	Tue 30/5/23	79 days 2 days	1508,1509SS,15	
1511	FSD Form 501 Submission for FS Inspection	0 days		0 days	0%	Mon 9/1/23	Mon 9/1/23		NA	Mon 1/5/23	Mon 1/5/23	111 days 0.5 day	1510SS+50 days	
1512	FSD Inspection	0 days		0 days	0%	Tue 24/1/23	Tue 24/1/23		NA	Tue 16/5/23	Tue 16/5/23	111 days 0.5 day	1511FS+15 days	
1512	Issuance of FS Certificate	0 days		0 days	0%	Wed 8/2/23		NA	NA	Tue 30/5/23	Tue 30/5/23	111 days 0.5 day	1512FS+15 days	
1515	Landscaping works and Planting works	100 days		100 days	0%	Fri 13/1/23	Thu 18/5/23		NA	Fri 27/1/23	Tue 30/5/23	9 days 4 days	1509,668,1503,6	
													1509,000,1505,0	
1515	Open Space & Promenade (From CH1720 - South End)	477 days		477 days	0%	Mon 12/7/21	Mon 13/2/23		NA	Sun 1/8/21	Tue 30/5/23	18 days		
1516	Modification Seawall - Temp. Works Design and Method Statement Submissi			0 days	0%	Mon 12/7/21	Mon 12/7/21		NA	Sun 1/8/21	Sun 1/8/21	20 days 1 day	1516	
1517	Modification Seawall - Temp. Works Design and Method Statement Commen Appraoval	-		30 days	0%	Mon 12/7/21		NA	NA	Sun 1/8/21	Mon 30/8/21	20 days 2 days	1516	
1518	Modification (Seawall) CH1720-1820	150 days		150 days	0%	Wed 11/8/21		NA	NA	Tue 31/8/21	Thu 3/3/22	17 days 1 day	1517	
1519	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	
1520	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	
1521	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	1
1522	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	
1523	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	
1524	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	
1525	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	
1526	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	1
1527	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	1
1528	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	
1529	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	1
1530	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	1
1531	FSD Inspection	0 days	0 days	0 days	0%	Thu 22/12/22	Thu 22/12/22		NA	Tue 16/5/23	Tue 16/5/23	144 days 0.5 day	1530FS+15 days	
1532	Issuance of FS Certificate	0 days		0 days	0%	Fri 6/1/23	Fri 6/1/23	NA	NA	Tue 30/5/23	Tue 30/5/23	144 days 0.5 day	1531FS+15 days	
1533	Open Space & Promenade: Landscaping works	110 days		110 days	0%	Mon 3/10/22	Mon 13/2/23		NA	Mon 24/10/22	Sat 4/3/23	17 days 5 days	1528,668,1243F	
1534	Open Space & Promenade: Planting works	110 days		110 days	0%	Mon 3/10/22	Mon 13/2/23		NA	Mon 24/10/22	Sat 4/3/23	17 days 5 days	1528,668,1243F	
1535	Part 1, 2A, 2B - Road L12	193 days		193 days	0%	Tue 23/8/22	Mon 17/4/23		NA	Thu 6/10/22	Tue 30/5/23	35 days 0.5 day	1520,000,12431	
1535				3 days	0%	Tue 23/8/22	Thu 25/8/22			Thu 6/10/22	Sat 8/10/22		1274,1283,1296	
	Trim road formation	3 days							NA			35 days 1 day		
1537	Lay sub base		0 days	7 days	0%	Fri 26/8/22	Fri 2/9/22	NA	NA	Mon 10/10/22	Mon 17/10/22	35 days 1 day	1536	
1538	Lay kerb	12 days		12 days	0%	Sat 3/9/22		NA	NA	Tue 18/10/22		35 days 1 day	1537	
1539	Construct pedestrian street/ footpath	14 days	0 days	14 days	0%	Mon 19/9/22	Thu 6/10/22	NA	NA	Tue 1/11/22	Wed 16/11/22	35 days 1 day	1538	
1540	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	1
Litle: Ro	v.11 Prog with Progress Task	Summary		-	Inactive	Milestone 🔷		Durati	on-only	1	Start-only	C	Exte	ernal M
	P-May-20	Project Sum		1		Summary			al Summary Rollup		Finish-only	3		dline
	Milestone	Inactive Tas	sk		Manual	ľask		Manua	al Summary		External Task	IS .	Crit	cal



D	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Fin	ish Late Start	Late Finish	Total Slack	TRA	Predecessors	)20   Q3
1541	Concrete infill between profile barrier	7 days	0 days	7 days	0%	Mon 24/10/22	Mon 31/10/22	NA	NA	Sat 3/12/22	Sat 10/12/22	35 days	0 days	1540	
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	
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	
1544	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	
1545	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	
1546	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,	
1547	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			
1548	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	
1549	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	
1550	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			
1551	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			
1552	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		
1553	Deck for Underpass (Road L14) - Temp. Works Design and Method Statement Comment & Appraval	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	
1554	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	
1555	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	
1556	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	
1557	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	
1558	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	
1559	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	

Title: Rev.11 Prog with Progress as of 22-May-20	Task Split Milestone	•	Summary Project Summary Inactive Task	Inactive Milestone Inactive Summary Manual Task	¢	Duration-only Manual Summary Rollu Manual Summary	p  1	Start-only Finish-only External Tasks	с Э	External Milestone Deadline Critical	
						Page 36 of 36					_



Critical Split Progress Manual Progress

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# Appendix C – 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 October 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3 24-hr TSP: AM3, AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	4	5	6 Weekly Site Inspection	7	8 24-hr TSP: AM3, AM7 1-hr X3 TSP: AM3, AM4(A), AM7
9	10	11	12 Weekly Site Inspection + SSMC meeting	13	14 24-hr TSP: AM3, AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	15
16	17	18	19	20 Weekly Site Inspection 24-hr TSP: AM3, AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	21	22
23	24	25	26 24-hr TSP: AM3, AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	27 Weekly Site Inspection	28	29
30	31					

## October 2022

NOTE:

 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 was conducted at AM4(A) while 1-hr TSP at AM4(A) and 30-min noise monitoring at M11 were conducted on the ground floor with orienting to the Project site.

### 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 November 2022

### November 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 24-hr TSP: AM3, AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	2	3 Weekly Site Inspection	4	5
6	7 24-hr TSP: AM3, AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	8	9 Weekly Site Inspection + SSMC meeting	10	11	12 24-hr TSP: AM3, AM7 1-hr X3 TSP: AM3, AM4(A), AM7
13	14	15	16	17 Weekly Site Inspection	18 24-hr TSP: AM3, AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	19
20	21	22	23	24 Weekly Site Inspection 24-hr TSP: AM3, AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	25	26
27	28	29	30 24-hr TSP: AM3, 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

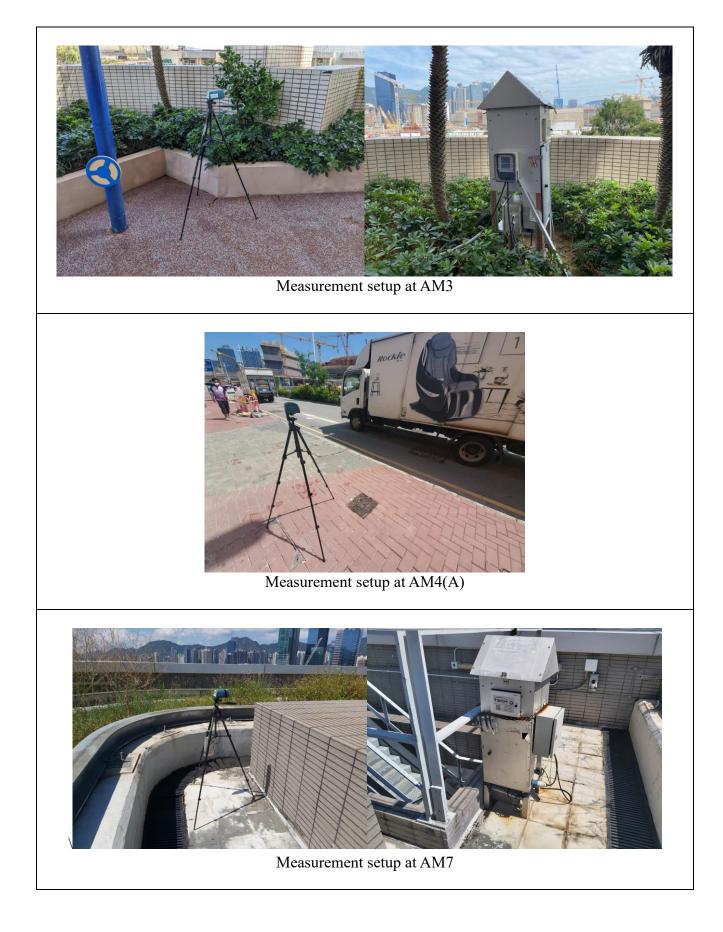
AM3 - Sky Tower AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop AM7 - Hong Kong Children's Hospital

### **Noise Quality Monitoring Station**

M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop M12 - Hong Kong Children's Hospital

# **Appendix D – Photographic records**

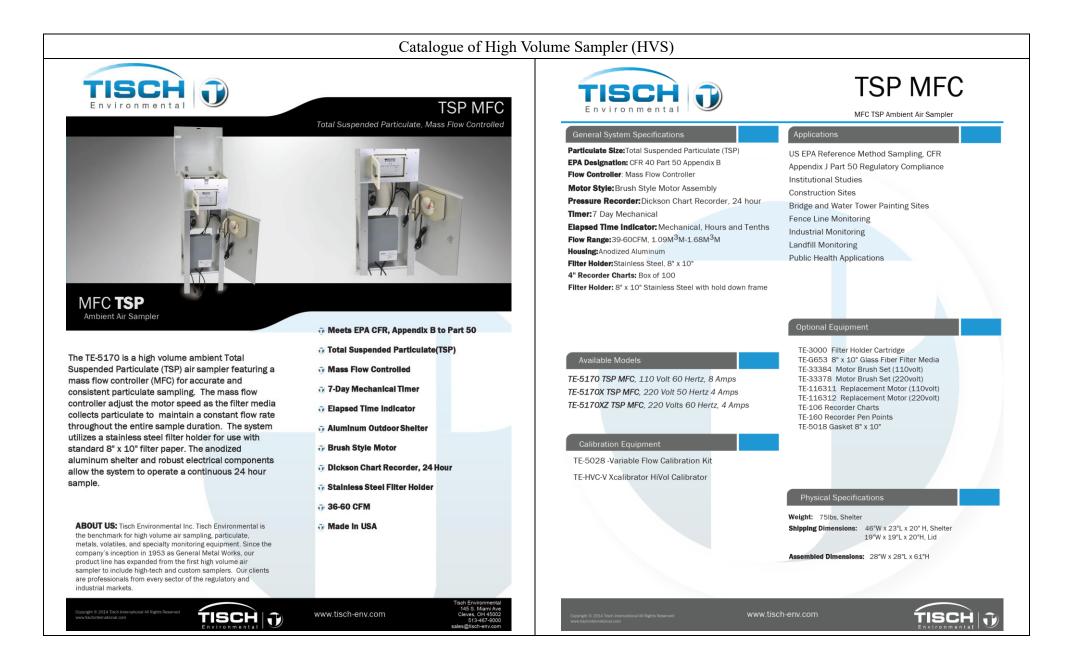
## Impact TSP Monitoring

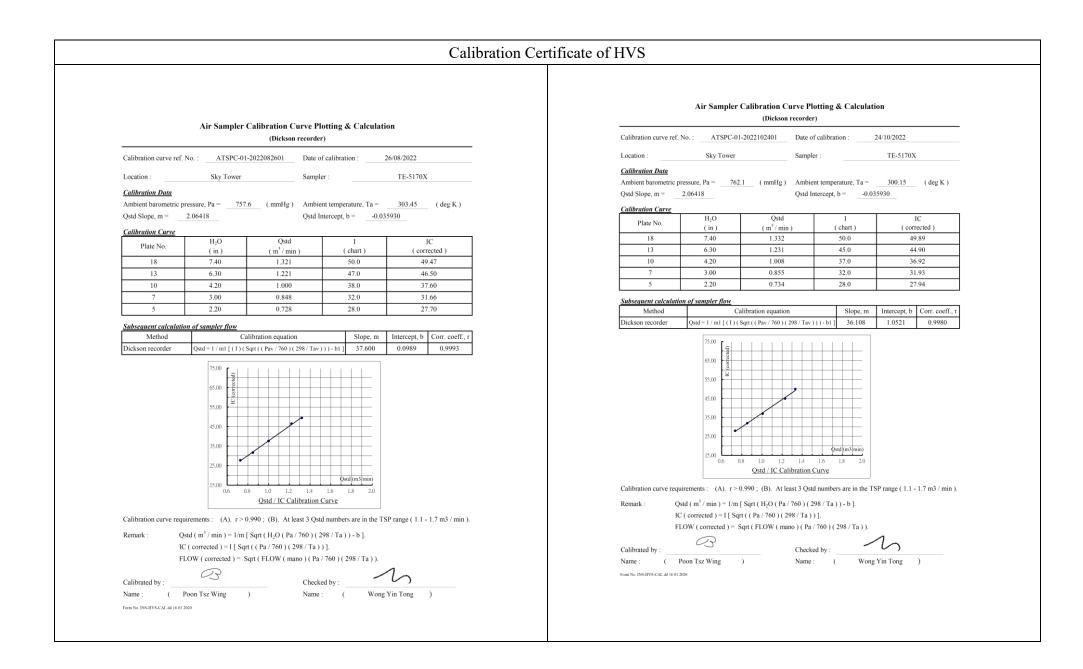


## Impact Noise Monitoring



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



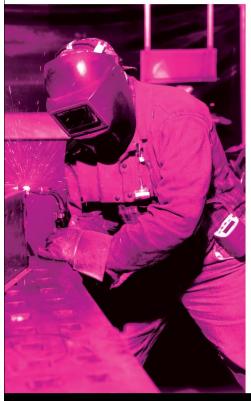


Air Sampler Calibration Curve Plotting & Calculation (Dickson recorder)				Air Sampler	Calibration Curve F (Dickson record		ion		
Calibration curve ref. N	o.: ATSPC-01-	-2022082603 Date of o	calibration : 20	5/08/2022	Calibration curv	e ref. No. : ATSPC-0	1-2022102403 Date	of calibration :	24/10/2022
Location : Ho	ng Kong Children's I	Hospital Sampler	r:	TE-5170X	Location :	Hong Kong Children'	s Hospital Samp	pler :	TE-5170X
	ssure, Pa =750.9		t temperature, Ta = tercept, b =0.035	303.45 (deg K) 930	Qstd Slope, m =	etric pressure, Pa = 76 2.06418	2.1 (mmHg) Amb Qstd	bient temperature, Ta = Intercept, b =00	<u>300.15</u> (deg K) 35930
Calibration Curve Plate No.	H <sub>2</sub> O	Qstd	Ι	IC	Calibration Cur Plate No.	H <sub>2</sub> O	Qstd	I	IC
	(in)	(m <sup>3</sup> /min)	( chart )	( corrected )	18	( in ) 7.60	(m <sup>3</sup> /min) 1.350	( chart ) 50.0	( corrected ) 49.89
18	7.60 6.40	1.333	50.0 44.0	49.25 43.34	13	6.30	1.231	44.0	49.89
10	4.30	1.007	38.0	37.43	10	4.50	1.043	38.0	37.92
7	3.30	0.884	33.0	32.51	7	3.10	0.868	32.0	31.93
5	2.20	0.725	27.0	26.60	5	2.20	0.734	27.0	26.94
	75.00         (i)           65.00         (i)           55.00         (i)           45.00         (i)           35.00         (i)		Qstd (m3/min) 1.6 1.8 2.0			75.00         3           65.00         3           45.00         3           15.00         0.6	0.8 1.0 1.2 1.4 Ostd / JC Calibration		
-		Ostd / IC Calibration Cu	numbers are in the TSF	P range ( 1.1 - 1.7 m3 / min ).	Calibration curv Remark :	Qstd ( $m^3 / min$ ) = 1/n	0.990 ; (B). At least 3 Q: [ Sqrt ( H <sub>2</sub> O ( Pa / 760 ) ( qrt ( ( Pa / 760 ) ( 298 / Ta	(298 / Ta ) ) - b ].	'SP range ( 1.1 - 1.7 m3 / min )

<section-header><section-header><section-header><form><form></form></form></section-header></section-header></section-header>		Calibra	tion Certifica	ate of HV	S	Orifice Transfer Standard Certification Worksheet TE-5025
<form></form>		Air Sampler (		-	tion	TISCH T
$ \begin{array}{c} \text{number depresents } \mathbf{P}_{n} & \text{ add intercept, } \mathbf$	Calibration curve ref.	No.: ATSPC-01-	2022062001 Date of	calibration :	20/06/2022	Environmental
$ \begin{array}{c} \text{number depresents } \mathbf{P}_{n} & \text{ add intercept, } \mathbf$	Model no :	GS2310	Serial nu	umber :	10346	Prick a DP B.C. a.
$ \begin{array}{c} \text{Quark largery me} & \underline{2041} & \underline{\text{Quark largery b}} & \underline{-0.03591} \\ \hline \\ \text{CM} \\ \hline \\ \hline \\ \text{CM} \\ \hline \\ \hline \\ \text{CM} \\ \hline \\ \text{CM} \\ CM$	Calibration Data					Oerlificale of Oalibration
$ \begin{array}{c} \label{eq:general} \begin{tabular}{c c c c c c c c c c c c c c c c c c c $	Ambient barometric	pressure, Pa = 753.	(mmHg) Ambien	t temperature, Ta =	303.35 ( deg K )	Calibration Experimentation
	Qstd Slope, m =	2.06418	Qstd Int	ercept, b =	35930	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Calibration Curve					
$ \begin{array}{                                    $		H <sub>2</sub> O	Qstd	Ι	IC	
$\frac{ \hat{n} _{1}}{ \hat{n} _{2}} \frac{ \hat{n} _{2}}{ \hat{n} _{2}} \frac{ \hat{n} _{2}} \frac{ \hat{n} _{2}}{ \hat{n} _{2}} \frac{ \hat{n} _{2}} \frac{ \hat{n} _{2}} $			· /			
$\frac{13}{13}  \underline{0.59}{12.15}  \underline{12.15}{12.15}  \underline{45.0}  \underline{44.40}{12.15}  \underline{44.40}{12.15}  \underline{12.15}{12.15}  \underline{45.0}  \underline{44.40}{12.15}  \underline{12.15}{12.15}  \underline{45.0}  \underline{12.15}{12.15}  \underline{45.0}  \underline{12.15}{12.15}  \underline{12.15}{12.1$						
$\frac{7}{12}  \frac{3}{10}  0.859  \frac{320}{2.20}  \frac{31.57}{2.10}  0.726  \frac{31.57}{2.20}  0.726  \frac{31.57}{2.20}  0.726  \frac{31.57}{2.20}  0.726  \frac{31.57}{2.20}  \frac{31.57}{2.220}  \frac{31.57}{2.20}  \frac{31.57}{2.20}  \frac{31.57}{2.20}  \frac{31.57}{2.20}  \frac{31.57}{2.20}  \frac{31.57}{2.20}  3$						1 1 2 1 1.4050 3.2 2.00
$\frac{1}{15} \frac{1}{250} \frac{1}{200} \frac{1}{$						
$\frac{  \mathbf{x}  ^2}{  \mathbf{x}  ^2} = \frac{  \mathbf{x}  ^2}{  \mathbf{x}  ^2} = $						
$\frac{Method}{Dickon recorder} \underbrace{Calibration equation}{Quite - 1/m! [1] (Squ(T_{W}/7b) (28/T_W)) - b]} \underbrace{Slope, m}{loc} \underbrace{Intercept. b}{Corr. coeff. r}{lockon recorder} \underbrace{Quite - 1/m! [1] (Squ(T_W/7b) (28/T_W)) - b]} \underbrace{Slope, m}{loc} \underbrace{Lip + 2m! (Dickon recorder)} \underbrace{Quite - 1/m! [1] (Squ(T_W/7b) (28/T_W)) - b]} \underbrace{Slope, m}{loc} \underbrace{Quite - 1/m! [1] (Squ(T_W/7b) (28/T_W)) - b]} \underbrace{Slope, m}{loc} \underbrace{Quite - 1/m! [1] (Squ(T_W/7b) (28/T_W)) - b]} \underbrace{Slope, m}{loc} \underbrace{Quite - 1/m! [1] (Squ(T_W/7b) (28/T_W)) - b]} \underbrace{Slope, m}{loc} \underbrace{Quite - 1/m! [1] (Squ(T_W/7b) (28/T_W)) - b]} \underbrace{Slope, m}{loc} \underbrace{Quite - 1/m! [1] (Squ(T_W/7b) (28/T_W)) - b]} \underbrace{Slope, m}{loc} \underbrace{Quite - 1/m! [1] (Squ(T_W/7b) (28/T_W)) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [1] (Squ(T_W/7b) (28/T_W)) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} \underbrace{Calibration Curve} \underbrace{Quite - 1/m! [2M/T_W/7b) (28/T_W) - b]} Quite - 1/m! [2M/T_W/7b) (28/T_W) -$	5	2.20	0.726	27.0	26.64	5 9 10 1 0.7030 12.8 8.00
$\frac{ \mathbf{b}_{ckson recorder}   \mathbf{v}_{okt}  \cdot    \cdot    \cdot    \cdot    \cdot    \cdot    \cdot    \cdot$	Subsequent calculati	on of sampler flow			· · · · · · · · · · · · · · · · · · ·	Data Tabulation
$\frac{  \mathbf{x}  ^2}{  \mathbf{x}  ^2} = \frac{  \mathbf{x}  ^2}{  \mathbf{x}  ^2} = $					1.7	$\left(\Delta H \left(\frac{Pa}{TT}\right) \left(\frac{Tstd}{TT}\right)\right)$
$ \frac{1}{1000} \frac{1}{1000} \frac{1}{1000} \frac{1}{1000} \frac{1}{10000} \frac{1}{10000000000000000000000000000000000$	Dickson recorder	Qstd = 1 / m1 [ ( I ) ( S	qrt ( ( Pav / 760 ) ( 298 / Tav ) )	)-b1] 36.268	0.4215 0.9982	
$\frac{1}{10000000000000000000000000000000000$		75.00				0.9850 0.7011 1.4066 0.9957 0.7087 0.8904
$\frac{1}{12} \int \frac{1}{12} $		cted)				
$\frac{1}{500} \underbrace{1}{0} $		65.00				0.9777 1.1435 2.3325 0.9883 1.1560 1.4765
$\frac{1}{400} + \frac{1}{400} + \frac{1}$		55.00				
$\frac{450}{100} \underbrace{free}{100} fr$		25.00	<b>,</b>			
$\frac{1}{5.00} \underbrace{0}_{5.00} \underbrace{0}_{6.0} \underbrace{0}_{8.0} \underbrace{1.0}_{1.2} \underbrace{1.4}_{1.6} \underbrace{1.8}_{1.8} \underbrace{2.0}_{2.0} \underbrace{0}_{2.0} \underbrace{0}_{3.0} \underbrace{0}_{1.2} \underbrace{1.4}_{1.6} \underbrace{1.8}_{1.8} \underbrace{2.0}_{2.0} \underbrace{0}_{3.0} \underbrace{0}_{3.0} \underbrace{1.2}_{1.2} \underbrace{1.4}_{1.6} \underbrace{1.8}_{1.8} \underbrace{2.0}_{2.0} \underbrace{0}_{3.0} \underbrace{0}_{3.0} \underbrace{1.2}_{1.6} \underbrace{1.4}_{1.6} \underbrace{1.8}_{1.8} \underbrace{2.0}_{2.0} \underbrace{0}_{3.0} \underbrace{0}_{3.0} \underbrace{1.6} \underbrace{1.6}_{1.8} \underbrace{1.6}_{$		45.00				
$\frac{1}{2500} \underbrace{1}{0} \underbrace{1}{0} \underbrace{1}{0} \underbrace{1}{1}{0} \underbrace{1}{1}{1}{0} \underbrace{1}{1}{1}{0} \underbrace{1}{1}{1}{1}{0} \underbrace{1}{1}{1}{1}{1}{1}{1}{1}{1}{1}{1}{1}{1}{$		25.00				
$\frac{2500}{0.6} \xrightarrow{0.6} 1.0 \xrightarrow{1.2} 1.4 \xrightarrow{1.6} 1.8 \xrightarrow{2.0}}{0.6 \xrightarrow{0.8} 1.0 \xrightarrow{0.1} 1.2 \xrightarrow{1.6} 1.6 \xrightarrow{0.8} 2.0}}$ 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 <sup>3</sup> /min) = 1/m [Sqrt (H_2O (Pa / 760) (298 / Ta)) - b]. LC (corrected) = 1 [Sqrt ((Pa / 760) (298 / Ta))]. FLOW (corrected) = Sqrt (FLOW (mano) (Pa / 760) (298 / Ta)). Calibrated by : Name : ( Poon Tsz Wing ) Name : ( Wong Yin Tong ) Tisc Environmental, Inc. Tisc Environmental, Inc. Tisc South Miami Avenue Toll FREE: (877)263 Toll FREE: (877)26		33.00	x			
$\frac{1}{14} \frac{1}{16} \frac{1}{12} \frac{1}{14} \frac{1}{16} \frac{1}{18} \frac{2}{29}$ $\frac{1}{0 \text{ std} / \text{IC Calibration Curve}}$		25.00				
$\frac{1}{14} \frac{1}{16} \frac{1}{12} \frac{1}{14} \frac{1}{16} \frac{1}{18} \frac{2}{29}$ $\frac{1}{0 \text{ std} / \text{IC Calibration Curve}}$				Qstd (m3/min)		Ostd= $1/m \left( \left  \frac{Pa}{Au} \right  \frac{Pa}{Tstd} \right) \right)$
Totd: 298.15 *K       RECALIBRATION         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 <sup>3</sup> /min) = 1/m [Sqrt (H <sub>2</sub> O (Pa / 760) (298 / Ta)) - b].       Colspan="2">Colspan="2">Concerted ) = 1[Sqrt ((Pa / 760) (298 / Ta)) - b].         FLOW (corrected) = Sqrt (FLOW (mano) (Pa / 760) (298 / Ta)).       Checked by :       Checked by : <th< td=""><td></td><td></td><td>1.0 1.2 1.4</td><td>1.6 1.8 2.0</td><td></td><td></td></th<>			1.0 1.2 1.4	1.6 1.8 2.0		
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 <sup>3</sup> /min) = 1/m [Sqrt (H <sub>2</sub> O (Pa / 760) (298 / Ta)) - b].       (B). At least 3 Qstd numbers are in the TSP range (1.1 - 1.7 m3/min).         Remark:       Qstd (m <sup>3</sup> /min) = 1/m [Sqrt (H <sub>2</sub> O (Pa / 760) (298 / Ta)) - b].       (C). Corrected = 1[Sqrt ((Pa / 760) (298 / Ta))].       (D). Effective transmeter reading (in H2O)         AP: rootsmeter manometer reading (in H2O)       (D). Corrected = Sqrt (FLOW (mano) (Pa / 760) (298 / Ta)).       (D). Effective transmeter reading (in H2O)         Calibrated by:       Calibrated by:       Checked by:       (C). Corrected = Sqrt (FLOW (mano) (Pa / 760) (298 / Ta)).       (D). Effective transmeter reading (in H2O)         Name:       (C). Poon Tsz Wing       Name:       (Wong Yin Tong)       (Wong Yin Tong)			Qstd / IC Calibration C	urve		
Remark :       Qstd $(m^3/min) = 1/m [Sqrt (H_2O (Pa / 760) (298 / Ta)) - b].$ AH: calibrator manometer reading $(m H2O)$ Of the technical absolution per 1/solutions parts 05 to 51.         Remark :       Qstd $(m^3/min) = 1/m [Sqrt (H_2O (Pa / 760) (298 / Ta)) - b].$ $\Delta H: calibrator manometer reading (m H2O) \Delta Q Code of Federal Regulations parts 05 to 51.       Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30         Calibrated by :       Checked by :       Checked by :       Checked by :       Mame :       Mong Yin Tong       Name :       Wong Yin Tong       Mong Yin Tong       Toll FREE: (877)263   $	Calibration curve rea	uirements : (A), $r > 0$	990 : (B). At least 3 Ostd	numbers are in the T	'SP range ( 1.1 - 1.7 m3 / min )	Pstd: 760 mm Hg
Remark : $Qsta (m / min) = I/m [sqrt (H_2 O (Pa / / 00) (28 / Ta)) - b].$ Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30 $L = L = L = L = L = L = L = L = L = L =$						ney
Pa: actual barometric pressure (mm Hg)     Determination of subjected integration of subjected integratint of subjected integratint of subjected integration of subjected						ΔP: rootsmeter manometer reading (mm Hg) Appendix B to Part 50, Reference Method for the
Calibrated by:     Checked by:     C	1					
Calibrated by:     Checked by:     Checked by:     Checked by:       Name:     (     Poon Tsz Wing     )     Name:     Wong Yin Tong       145 South Miami Avenue     TOLL FREE: (877)263			pr(rLOw (mano)(Pa/	/00 ) ( 298 / 1a ) ).	4	b: intercept the Adhosphere, 5.2.17, page 50
Name :     (     Poon Tsz Wing     )     Name :     (     Wong Yin Tong     )     145 South Miami Avenue     TOLL FREE: (877)263	F	(2)		Ubv :	5	
		45	Chaoleac			Tisch Environmental, Inc.
	Calibrated by :			-	y Yin Tong )	

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

#### Model AM510 SidePak Personal Aerosol Monitor

Sensitivity Sensor Type
Aerosol Concentration

Particle Size Range

Zero stability

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

90° light scattering,

670 nm laser diode

#### Flow Rate Range

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

**Temperature Range** Operating 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 Range

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

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

Factory Setting 1.0 (non-adjustable) User-defined Settings 3, with user-defined labels 0.1 to 10.0, user-adjustable

#### Physical External Dimensions

Range

4.2 x 3.7 x 2.8 in. (106 x 92 x 70 mm) with 801723, 801724, 801729 or 801743 battery 5.1 x 3.7 x 2.8 in. (130 x 92 x 70 mm) with 801708, 801722, 801728, 801735, or 801736 battery 16 oz (0.46 kg) with 801723, 801724, Weight 801729 or 801743 battery 19 oz (0.54 kg) with 801708, 01722, 801728, 801735, or 801736 battery Display Tripod Socket 2 line x 12 character LCD 1/4-20 female thread

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

Input Voltage Range Output Voltage 9 VDC @ 1.0 A

#### Maintenance Factory Clean/Calibrate User Zero Calibration

Recommended annually Before each use User Flow Calibration As needed

#### Communications Interface

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

#### Minimum Computer Requirements for TrakPro™ 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

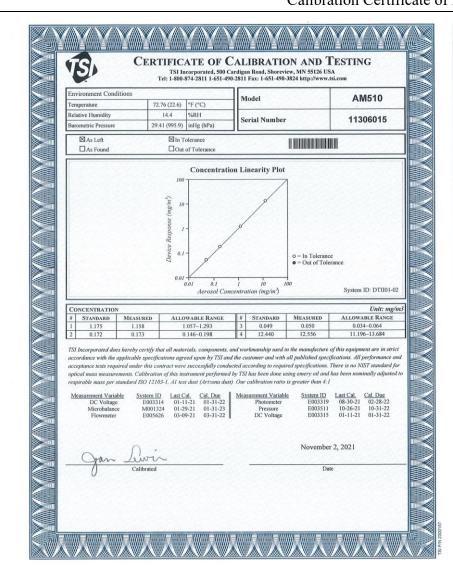
#### **Battery Performance**

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.



## Calibration Certificate of Dust Meter (TSI Sidepak AM510)

Personal Aerosol Monitor Performance check with High Volume Sampler

Preformance Check ref. No	AS0220624-3	Report Issue Date	24/06/2022
Date of performance check	23/06/2022		

#### Objective:

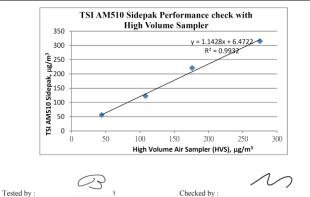
A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

#### Equipment Used:

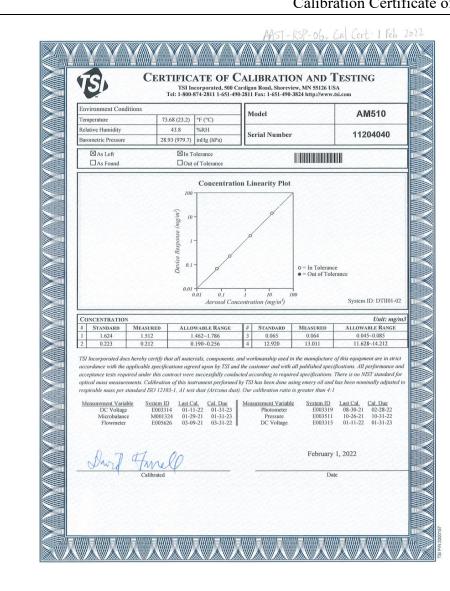
Equipment	Manufacturer and Model	Serial Number
Personal Aerosol Monitor	TSI AM510 Sidepak	11306015
Total Suspended Particulate High Volume Air Sampler	GS2310	10346

#### Resust:

Equipment		Measurement	Result, µg/m <sup>3</sup>	
TSI AM510 Sidepak	56	123	221	315
High Volume Air Sampler (HVS)	44	108	176	275



Name : ( Poon Tsz Wing ) Name : ( Wong Yin Tong )
Form No. ENV CAL SAMPLER CCI 4112/122003



## Calibration Certificate of Dust Meter (TSI Sidepak AM510)

#### Personal Aerosol Monitor Performance check with High Volume Sampler

Preformance Check ref. No	AS0220624-5	Report Issue Date	24/06/2022	
Date of performance check	08/04/2021			

#### **Objective:**

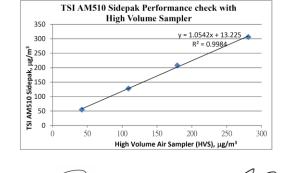
A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

#### Equipment Used:

Equipment	Manufacturer and Model	Serial Number
Personal Aerosol Monitor	TSI AM510 Sidepak	11204040
Total Suspended Particulate High Volume Air Sampler	GS2310	10346

#### <u>Resustt:</u>

Equipment		Measurement Result, µg/m3				
TSI AM510 Sidepak	55	128	208	306		
High Volume Air Sampler (H	VS) 42	109	179	281		



Tested by :		$C_{2}$		Checked by :		70)
Name :	(	Poon Tsz Wing	)	Name :	(	Wong Yin Tong
Form No. ENV CAL SAMP	LER CC1 dd1	2/12/2003				

#### Catalogue of Weather Station 7 Cabled Vantage Pro2™ 6152C Vantage Pro2 & Vantage Pro2 Plus™ Stations 6162C Ultra Violet (UV) Radiation Index (requires UV sensor) Vantage Pro2<sup>™</sup> Range ..... 0 to 16 Index High)) The Vantage Pro2<sup>™</sup> (# 6152C) and Vantage Pro2<sup>™</sup> Plus (# 6162C) cabled weather stations include two components: the Integrated Sensor Suite (ISS) and the console. The ISS contains the sensor interface module (SIM), rain collector, an anemometer, and a passive radiation shield. The Vantage Pro2 console provides the user interface, data display, and calculations. The Vantage Pro2 Plus weather station includes two additional sensors that are optional on the Current Graph Data...... Instant Reading and Hourly Average: Daily, Monthly High 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<sup>®</sup> to let your weather station interface with a computer, log data, and upload weather information to the Internet. The 6152C and 6162C models rely on passive shielding to reduce solar-radiation induced temperature errors in the outside temperature sensor readings. Wind Wind Chill (Calculated) Integrated Sensor Suite (ISS) the nearest 1°C console and ISS Source..... United States National Weather Service (NWS)/NOAA Equation Used ...... Osczevski (1995) (adopted by US NWS in 2001) Cable Type ...... 4-conductor, 26 AWG Variables Used ...... Avg. Wind Speed Current Display Data ..... Instant Calculation Maximum displayable wind decreases as the length of cable increases, at 140° (42 m) of cable, the maximum wind speed displayed is 135 mph (60 Current Graph Data ...... Instant Calculation; Hourly, Daily and Monthly Low m/s); at 240' (73 m), the maximum wind speed displayed is 100 mph (34 m/s). Historical Graph Data. . . . . . . . . . . . . . . . Hourly, Daily and Monthly Lows Wind Speed Sensor ...... Solid state magnetic sensor Alarm..... Low Threshold from Instant Calculation Wind Direction Sensor ...... Wind vane with potentiometer Wind Direction Range ...... 1 - 360° (214 cm<sup>2</sup>) collection area Temperature Sensor Type..... PN Junction Silicon Diode Relative Humidity Sensor Type ...... Film capacitor element Accuracy ..... ±3° Update Interval ..... 2.5 to 3 seconds Sensor Inputs Current Graph Data ...... Instant Reading (user adjustable); 10-min. Dominant; Hourly, Daily, RF Filtering ...... RC low-pass filter on each signal line Monthly Dominant ISS Dimensions(not including anemometer or bird spikes); Monthly Dominants Wind Speed Resolution and Units ...... 1 mph, 1 km/h, 0.4 m/s, or 1 knot (user-selectable) Measured in mph; Vantage Pro2 with Fan-Asprated Rad Shield..... 20.8" x 9.4" x 16.0" (528 mm x 239 mm x 406 mm) other units are converted from mph and rounded to nearest 1 km/hr. 0.1 Vantage Pro2 Plus with Standard Rad Shield ..... 14.3" x 9.7" x 14.5" (363 mm x 246 mm x 368 mm) m/s or 1 knot Vantage Pro2 Plus with Fan-Aspirated Rad Shield ..... 21.1" x 9.7" x 16.0" (536 mm x 246 mm x 406 mm) Update Interval ..... Instant Reading: 2.5 to 3 seconds, 10-minute Average: 1 minute length of cable from anemometer to ISS increases.) Current Display Data ..... Instant Current Graph Data ...... Instant Reading; 10-minute and Hourly Average; Hourly High; Daily, Davis Instruments 3465 Diablo Ave., Hayward, CA 94545-2778 USA (510) 732-9229 - FAX (510) 670-0589 - sales@davisinstruments.com - www.davisinstruments.com Monthly and Yearly High with Direction of High DS6152C, 6162C Rev. W 12/7/18 Highs with Direction of Highs High Thresholds from Instant Reading and 10-minute Average Alarms

	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,
	ALIBRATION       Tsuen Wan, NT, Hong Kong         Tel:       +852 25680106       Email: info@callab.com.hk         Fax:       +852 30116194       Website: www.callab.com.hk         Ibitration Certificate No.: CC0352208       CC0352208         stomer Information       Fax:
	ustomer:     Castco Testing Centre Limited       ddress:     33, On Kui Street, Fanling, N.T.       upment Identification upment Description     Manufacturer     Model No.     Serial No.       Assigned equipment No.::     Davis Vantage PRO 2     6152CEU     AZ170710012
	artificate Information     19 August 2022     Calibration Condition:     24.2°C, 53%RH, 1002hPa       te of Calibration:     22 August 2022     Adjustment:     N/A       ue Date of Calibration:     N/A     Appearance:     Good       libration Procedure:     JDF 1183-2007, JJF 1076-2001,     Remark:     N/A
Pi H	eference Equipment IdentificationModelSerial No.Expiration Dateatinum resistance thermometerKPPRHT-A-1KCI I-1095, KCI P-109528 June 2023umidity sensorKPPRHT-A-1KCI I-1095, KCI P-10953 March 2023ot Wire Anemometer9535T9535131600410 July 2023
Note21 Note21	The estimated organized increations have been collocated in "Svaluation and expression of uncertainty in measurement" and give an internal estimated to have a level of confidence of Syste, A coverage factor of 24 assumed nulses; penkinky state. The standard (j) and instrument used in the calibration are traceable to national or international recognized standard and are calibrated on a schedule to maintain the accuracy and good continuo. The result reported in this certificate refer to the condition of the instrument on the date of calibration and curry no implication regarding the long term stability of the instrument. The result shows in this calibration certificate refer on the metalibrated, and the result only applies to the calibration term as received.
	pproved By: Company Chop: ex Tse Certificate Issue Date: 23 August 2022
1, T 2, T	he certificate shall not be reproduced except in full, without written approval of Cal Lab Calibration he certificate is issued subject to the latest Terms and Conditions, available at our web site CC0352208 Page 1 of 2

# Appendix F – Weather information

## General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)
01/10/2022	25.7	30.5	2.6
02/10/2022	27.7	31.9	Trace
03/10/2022	27.5	33	0
04/10/2022	27.5	33.5	0
05/10/2022	27.8	31.4	Trace
06/10/2022	27.3	32	Trace
07/10/2022	25.8	31.5	22.8
08/10/2022	26	30.4	Trace
09/10/2022	23.7	31	4.8
10/10/2022	21.6	26.6	0
11/10/2022	21.2	28.1	0
12/10/2022	21.9	29.6	0
13/10/2022	23.3	29.6	0
14/10/2022	24.9	31	0
15/10/2022	24.1	31.6	0
16/10/2022	25.6	31.3	0
17/10/2022	26.3	29	Trace
18/10/2022	17.3	26.7	19.7
19/10/2022	18.3	26.2	0
20/10/2022	22.7	27.2	0
21/10/2022	23.2	28.5	0
22/10/2022	22.8	30.3	Trace
23/10/2022	24.3	30.7	0
24/10/2022	23.8	27.1	0
25/10/2022	22.6	25.8	0
26/10/2022	22	26.7	0
27/10/2022	22.4	28.1	0
28/10/2022	23.3	30	0
29/10/2022	23.7	30	0
30/10/2022	22.6	28.2	0
31/10/2022	23.8	27.2	0

NOTE1: The above weather information was obtained from manned weather station of Hong Kong Observatory. NOTE2: Trace means rainfall less than 0.05 mm

https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2022&m=10

Date	Time	Wind Speed (m/s)	Wind Direction												
01/10/2022	0:00	0.4	135	02/10/2022	0:00	1.3	45	03/10/2022	0:00	0.9	45	04/10/2022	0:00	0.9	315
01/10/2022	1:00	0.4	112.5	02/10/2022	1:00	1.3	112.5	03/10/2022	1:00	1.3	67.5	04/10/2022	1:00	0.9	112.5
01/10/2022	2:00	0.4	67.5	02/10/2022	2:00	0.9	112.5	03/10/2022	2:00	0.9	112.5	04/10/2022	2:00	0.9	292.5
01/10/2022	3:00	0.4	135	02/10/2022	3:00	1.3	112.5	03/10/2022	3:00	0.9	22.5	04/10/2022	3:00	0.9	67.5
01/10/2022	4:00	0.9	135	02/10/2022	4:00	1.3	67.5	03/10/2022	4:00	1.3	45	04/10/2022	4:00	0.9	270
01/10/2022	5:00	0.4	135	02/10/2022	5:00	1.8	135	03/10/2022	5:00	1.3	67.5	04/10/2022	5:00	0.9	315
01/10/2022	6:00	0.9	135	02/10/2022	6:00	0.9	67.5	03/10/2022	6:00	1.8	112.5	04/10/2022	6:00	1.3	67.5
01/10/2022	7:00	0.4	112.5	02/10/2022	7:00	1.3	112.5	03/10/2022	7:00	1.3	157.5	04/10/2022	7:00	0.9	270
01/10/2022	8:00	0.4	112.5	02/10/2022	8:00	1.3	112.5	03/10/2022	8:00	1.3	315	04/10/2022	8:00	0.9	292.5
01/10/2022	9:00	0.4	135	02/10/2022	9:00	1.3	135	03/10/2022	9:00	1.3	292.5	04/10/2022	9:00	0.9	135
01/10/2022	10:00	0.4	112.5	02/10/2022	10:00	1.3	135	03/10/2022	10:00	1.3	135	04/10/2022	10:00	0.9	112.5
01/10/2022	11:00	0.9	157.5	02/10/2022	11:00	0.9	135	03/10/2022	11:00	0.9	45	04/10/2022	11:00	0.9	135
01/10/2022	12:00	0.4	112.5	02/10/2022	12:00	1.3	67.5	03/10/2022	12:00	1.8	202.5	04/10/2022	12:00	1.3	112.5
01/10/2022	13:00	0.9	67.5	02/10/2022	13:00	1.3	157.5	03/10/2022	13:00	1.3	135	04/10/2022	13:00	0.9	135
01/10/2022	14:00	0.9	0	02/10/2022	14:00	0.9	67.5	03/10/2022	14:00	0.9	112.5	04/10/2022	14:00	1.3	67.5
01/10/2022	15:00	0.9	45	02/10/2022	15:00	1.3	112.5	03/10/2022	15:00	1.3	45	04/10/2022	15:00	1.3	157.5
01/10/2022	16:00	0.9	45	02/10/2022	16:00	0.9	112.5	03/10/2022	16:00	1.3	135	04/10/2022	16:00	1.3	135
01/10/2022	17:00	0.9	112.5	02/10/2022	17:00	1.3	22.5	03/10/2022	17:00	1.3	180	04/10/2022	17:00	1.3	112.5
01/10/2022	18:00	1.3	22.5	02/10/2022	18:00	1.3	45	03/10/2022	18:00	1.3	112.5	04/10/2022	18:00	0.9	112.5
01/10/2022	19:00	1.8	22.5	02/10/2022	19:00	0.9	315	03/10/2022	19:00	0.9	112.5	04/10/2022	19:00	0.9	135
01/10/2022	20:00	1.3	45	02/10/2022	20:00	0.9	112.5	03/10/2022	20:00	1.3	135	04/10/2022	20:00	0.9	112.5
01/10/2022	21:00	1.3	45	02/10/2022	21:00	0.9	135	03/10/2022	21:00	1.3	135	04/10/2022	21:00	0.9	135
01/10/2022	22:00	1.3	67.5	02/10/2022	22:00	0.9	112.5	03/10/2022	22:00	1.8	112.5	04/10/2022	22:00	0.9	135
01/10/2022	23:00	1.3	112.5	02/10/2022	23:00	0.9	157.5	03/10/2022	23:00	1.8	135	04/10/2022	23:00	0.9	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
05/10/2022	0:00	0.4	45	06/10/2022	0:00	1.8	135	07/10/2022	0:00	1.3	112.5	08/10/2022	0:00	0.9	337.5
05/10/2022	1:00	0.4	135	06/10/2022	1:00	1.8	112.5	07/10/2022	1:00	0.9	112.5	08/10/2022	1:00	0.9	45
05/10/2022	2:00	0.4	202.5	06/10/2022	2:00	1.8	90	07/10/2022	2:00	0.9	135	08/10/2022	2:00	1.3	337.5
05/10/2022	3:00	0.4	202.5	06/10/2022	3:00	1.8	135	07/10/2022	3:00	0.9	135	08/10/2022	3:00	0.4	22.5
05/10/2022	4:00	0.4	135	06/10/2022	4:00	1.3	135	07/10/2022	4:00	0.9	135	08/10/2022	4:00	0.9	337.5
05/10/2022	5:00	0.4	112.5	06/10/2022	5:00	0.9	135	07/10/2022	5:00	1.3	135	08/10/2022	5:00	0.9	45
05/10/2022	6:00	0.4	112.5	06/10/2022	6:00	1.3	135	07/10/2022	6:00	0.9	112.5	08/10/2022	6:00	1.8	45
05/10/2022	7:00	0.9	112.5	06/10/2022	7:00	1.3	112.5	07/10/2022	7:00	0.9	135	08/10/2022	7:00	1.3	202.5
05/10/2022	8:00	0.9	135	06/10/2022	8:00	1.3	112.5	07/10/2022	8:00	1.3	202.5	08/10/2022	8:00	1.3	202.5
05/10/2022	9:00	0.9	45	06/10/2022	9:00	0.9	112.5	07/10/2022	9:00	0.9	112.5	08/10/2022	9:00	1.3	157.5
05/10/2022	10:00	0.9	337.5	06/10/2022	10:00	0.9	292.5	07/10/2022	10:00	0.9	90	08/10/2022	10:00	1.8	112.5
05/10/2022	11:00	0.9	247.5	06/10/2022	11:00	1.3	270	07/10/2022	11:00	0.9	112.5	08/10/2022	11:00	1.8	202.5
05/10/2022	12:00	0.4	112.5	06/10/2022	12:00	1.3	112.5	07/10/2022	12:00	0.9	45	08/10/2022	12:00	1.8	45
05/10/2022	13:00	0.4	112.5	06/10/2022	13:00	1.3	112.5	07/10/2022	13:00	0.9	67.5	08/10/2022	13:00	1.8	135
05/10/2022	14:00	1.8	112.5	06/10/2022	14:00	0.9	67.5	07/10/2022	14:00	0.9	112.5	08/10/2022	14:00	1.8	202.5
05/10/2022	15:00	0.9	135	06/10/2022	15:00	0.9	112.5	07/10/2022	15:00	1.3	135	08/10/2022	15:00	2.2	22.5
05/10/2022	16:00	1.3	112.5	06/10/2022	16:00	1.8	112.5	07/10/2022	16:00	1.3	45	08/10/2022	16:00	1.8	135
05/10/2022	17:00	1.8	90	06/10/2022	17:00	1.3	90	07/10/2022	17:00	1.3	270	08/10/2022	17:00	1.3	135
05/10/2022	18:00	1.3	112.5	06/10/2022	18:00	0.9	45	07/10/2022	18:00	0.9	45	08/10/2022	18:00	1.3	202.5
05/10/2022	19:00	1.3	112.5	06/10/2022	19:00	1.3	45	07/10/2022	19:00	1.8	22.5	08/10/2022	19:00	0.9	202.5
05/10/2022	20:00	2.2	135	06/10/2022	20:00	1.3	67.5	07/10/2022	20:00	1.3	112.5	08/10/2022	20:00	0.9	202.5
05/10/2022	21:00	1.8	112.5	06/10/2022	21:00	1.3	67.5	07/10/2022	21:00	0.9	112.5	08/10/2022	21:00	0.9	112.5
05/10/2022	22:00	1.8	135	06/10/2022	22:00	1.3	247.5	07/10/2022	22:00	0.9	202.5	08/10/2022	22:00	0.9	45
05/10/2022	23:00	1.8	112.5	06/10/2022	23:00	1.3	22.5	07/10/2022	23:00	0.9	45	08/10/2022	23:00	0.9	202.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
09/10/2022	0:00	1.3	135	10/10/2022	0:00	1.3	112.5	11/10/2022	0:00	0.9	45	12/10/2022	0:00	1.3	337.5
09/10/2022	1:00	1.8	135	10/10/2022	1:00	1.3	67.5	11/10/2022	1:00	0.4	135	12/10/2022	1:00	0.9	22.5
09/10/2022	2:00	1.8	112.5	10/10/2022	2:00	1.8	135	11/10/2022	2:00	0.9	112.5	12/10/2022	2:00	1.3	270
09/10/2022	3:00	1.3	45	10/10/2022	3:00	2.2	22.5	11/10/2022	3:00	0.9	135	12/10/2022	3:00	2.2	45
09/10/2022	4:00	1.3	45	10/10/2022	4:00	1.8	135	11/10/2022	4:00	0.9	112.5	12/10/2022	4:00	1.8	45
09/10/2022	5:00	0.4	337.5	10/10/2022	5:00	1.3	45	11/10/2022	5:00	0.9	112.5	12/10/2022	5:00	1.8	22.5
09/10/2022	6:00	0.4	90	10/10/2022	6:00	0.9	135	11/10/2022	6:00	1.3	135	12/10/2022	6:00	0.9	292.5
09/10/2022	7:00	0.4	337.5	10/10/2022	7:00	0.9	112.5	11/10/2022	7:00	0.9	135	12/10/2022	7:00	1.8	22.5
09/10/2022	8:00	1.8	22.5	10/10/2022	8:00	0.4	135	11/10/2022	8:00	1.8	135	12/10/2022	8:00	1.3	22.5
09/10/2022	9:00	1.3	270	10/10/2022	9:00	0.4	112.5	11/10/2022	9:00	1.8	112.5	12/10/2022	9:00	1.8	315
09/10/2022	10:00	1.3	270	10/10/2022	10:00	0.4	112.5	11/10/2022	10:00	2.2	67.5	12/10/2022	10:00	1.3	22.5
09/10/2022	11:00	1.3	225	10/10/2022	11:00	0.4	135	11/10/2022	11:00	1.8	135	12/10/2022	11:00	1.8	270
09/10/2022	12:00	0.9	270	10/10/2022	12:00	0.9	135	11/10/2022	12:00	1.3	22.5	12/10/2022	12:00	2.2	45
09/10/2022	13:00	0.4	202.5	10/10/2022	13:00	0.9	135	11/10/2022	13:00	1.8	135	12/10/2022	13:00	1.8	315
09/10/2022	14:00	0.9	135	10/10/2022	14:00	0.9	112.5	11/10/2022	14:00	1.8	135	12/10/2022	14:00	1.8	270
09/10/2022	15:00	0.9	135	10/10/2022	15:00	0.9	67.5	11/10/2022	15:00	1.3	112.5	12/10/2022	15:00	1.3	135
09/10/2022	16:00	0.9	135	10/10/2022	16:00	0.4	135	11/10/2022	16:00	1.3	112.5	12/10/2022	16:00	1.8	315
09/10/2022	17:00	0.9	135	10/10/2022	17:00	0.9	22.5	11/10/2022	17:00	1.3	225	12/10/2022	17:00	1.8	45
09/10/2022	18:00	0.9	112.5	10/10/2022	18:00	0.9	135	11/10/2022	18:00	1.3	225	12/10/2022	18:00	1.8	270
09/10/2022	19:00	1.3	135	10/10/2022	19:00	1.3	135	11/10/2022	19:00	1.8	90	12/10/2022	19:00	1.8	135
09/10/2022	20:00	0.9	112.5	10/10/2022	20:00	1.3	45	11/10/2022	20:00	1.8	112.5	12/10/2022	20:00	1.3	45
09/10/2022	21:00	0.9	135	10/10/2022	21:00	1.3	337.5	11/10/2022	21:00	1.3	90	12/10/2022	21:00	1.3	337.5
09/10/2022	22:00	0.9	112.5	10/10/2022	22:00	0.9	247.5	11/10/2022	22:00	0.9	112.5	12/10/2022	22:00	1.8	247.5
09/10/2022	23:00	0.9	67.5	10/10/2022	23:00	0.9	112.5	11/10/2022	23:00	1.3	112.5	12/10/2022	23:00	1.3	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
13/10/2022	0:00	0.9	270	14/10/2022	0:00	0.9	337.5	15/10/2022	0:00	3.1	337.5	16/10/2022	0:00	1.8	112.5
13/10/2022	1:00	0.4	45	14/10/2022	1:00	1.3	337.5	15/10/2022	1:00	2.7	45	16/10/2022	1:00	1.8	112.5
13/10/2022	2:00	0.9	225	14/10/2022	2:00	0.9	315	15/10/2022	2:00	1.3	22.5	16/10/2022	2:00	0.9	90
13/10/2022	3:00	0.4	270	14/10/2022	3:00	1.3	135	15/10/2022	3:00	0.9	67.5	16/10/2022	3:00	0.9	135
13/10/2022	4:00	1.3	135	14/10/2022	4:00	0.9	315	15/10/2022	4:00	0.9	112.5	16/10/2022	4:00	0.9	112.5
13/10/2022	5:00	0.9	90	14/10/2022	5:00	0.9	337.5	15/10/2022	5:00	0.9	135	16/10/2022	5:00	0.9	112.5
13/10/2022	6:00	1.3	45	14/10/2022	6:00	1.8	337.5	15/10/2022	6:00	0.9	90	16/10/2022	6:00	0.9	135
13/10/2022	7:00	1.3	67.5	14/10/2022	7:00	2.2	22.5	15/10/2022	7:00	1.3	45	16/10/2022	7:00	1.3	90
13/10/2022	8:00	0.9	135	14/10/2022	8:00	2.2	292.5	15/10/2022	8:00	1.3	67.5	16/10/2022	8:00	1.3	135
13/10/2022	9:00	0.9	112.5	14/10/2022	9:00	2.7	337.5	15/10/2022	9:00	1.3	45	16/10/2022	9:00	0.9	135
13/10/2022	10:00	0.4	112.5	14/10/2022	10:00	2.7	45	15/10/2022	10:00	0.9	45	16/10/2022	10:00	1.8	112.5
13/10/2022	11:00	0.9	45	14/10/2022	11:00	3.1	315	15/10/2022	11:00	1.3	67.5	16/10/2022	11:00	0.9	202.5
13/10/2022	12:00	0.9	112.5	14/10/2022	12:00	3.1	315	15/10/2022	12:00	0.9	45	16/10/2022	12:00	1.3	90
13/10/2022	13:00	1.3	135	14/10/2022	13:00	3.1	22.5	15/10/2022	13:00	1.3	22.5	16/10/2022	13:00	1.3	135
13/10/2022	14:00	2.2	67.5	14/10/2022	14:00	2.7	135	15/10/2022	14:00	1.3	337.5	16/10/2022	14:00	0.9	112.5
13/10/2022	15:00	1.8	45	14/10/2022	15:00	1.8	315	15/10/2022	15:00	1.8	67.5	16/10/2022	15:00	0.9	112.5
13/10/2022	16:00	1.8	67.5	14/10/2022	16:00	1.8	22.5	15/10/2022	16:00	1.8	112.5	16/10/2022	16:00	1.3	112.5
13/10/2022	17:00	2.2	292.5	14/10/2022	17:00	1.8	315	15/10/2022	17:00	0.9	45	16/10/2022	17:00	0.9	135
13/10/2022	18:00	2.2	22.5	14/10/2022	18:00	1.3	45	15/10/2022	18:00	0.9	45	16/10/2022	18:00	0.9	135
13/10/2022	19:00	1.8	180	14/10/2022	19:00	2.2	337.5	15/10/2022	19:00	1.3	112.5	16/10/2022	19:00	0.9	112.5
13/10/2022	20:00	1.8	22.5	14/10/2022	20:00	1.8	315	15/10/2022	20:00	2.2	135	16/10/2022	20:00	0.9	135
13/10/2022	21:00	1.3	22.5	14/10/2022	21:00	2.2	112.5	15/10/2022	21:00	0.9	90	16/10/2022	21:00	0.9	112.5
13/10/2022	22:00	1.3	45	14/10/2022	22:00	2.2	112.5	15/10/2022	22:00	0.9	45	16/10/2022	22:00	1.3	135
13/10/2022	23:00	1.3	67.5	14/10/2022	23:00	1.3	315	15/10/2022	23:00	1.8	112.5	16/10/2022	23:00	0.4	135

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
17/10/2022	0:00	0.4	67.5	18/10/2022	0:00	0	22.5	19/10/2022	0:00	0.9	135	20/10/2022	0:00	1.3	112.5
17/10/2022	1:00	0.4	45	18/10/2022	1:00	0	315	19/10/2022	1:00	1.3	67.5	20/10/2022	1:00	2.2	135
17/10/2022	2:00	0.4	112.5	18/10/2022	2:00	0.4	45	19/10/2022	2:00	1.3	112.5	20/10/2022	2:00	1.8	112.5
17/10/2022	3:00	0.9	22.5	18/10/2022	3:00	0.9	22.5	19/10/2022	3:00	1.3	90	20/10/2022	3:00	0.9	135
17/10/2022	4:00	0.9	112.5	18/10/2022	4:00	0.9	292.5	19/10/2022	4:00	0.9	67.5	20/10/2022	4:00	1.3	135
17/10/2022	5:00	0.9	90	18/10/2022	5:00	0.9	67.5	19/10/2022	5:00	1.3	90	20/10/2022	5:00	0.9	135
17/10/2022	6:00	0.4	45	18/10/2022	6:00	0.9	292.5	19/10/2022	6:00	1.8	112.5	20/10/2022	6:00	0.4	90
17/10/2022	7:00	0.4	45	18/10/2022	7:00	0.9	112.5	19/10/2022	7:00	2.2	112.5	20/10/2022	7:00	1.3	112.5
17/10/2022	8:00	0.4	292.5	18/10/2022	8:00	0.9	135	19/10/2022	8:00	1.3	112.5	20/10/2022	8:00	0.9	112.5
17/10/2022	9:00	0.4	22.5	18/10/2022	9:00	0.9	135	19/10/2022	9:00	1.3	112.5	20/10/2022	9:00	1.8	112.5
17/10/2022	10:00	1.3	315	18/10/2022	10:00	1.3	135	19/10/2022	10:00	1.3	202.5	20/10/2022	10:00	2.2	90
17/10/2022	11:00	1.8	337.5	18/10/2022	11:00	0.9	315	19/10/2022	11:00	1.8	45	20/10/2022	11:00	2.7	90
17/10/2022	12:00	0.9	315	18/10/2022	12:00	1.3	112.5	19/10/2022	12:00	1.8	67.5	20/10/2022	12:00	2.7	135
17/10/2022	13:00	0.9	67.5	18/10/2022	13:00	0.9	135	19/10/2022	13:00	2.2	67.5	20/10/2022	13:00	1.8	112.5
17/10/2022	14:00	1.3	67.5	18/10/2022	14:00	0.4	45	19/10/2022	14:00	1.3	90	20/10/2022	14:00	1.8	112.5
17/10/2022	15:00	1.3	337.5	18/10/2022	15:00	1.3	337.5	19/10/2022	15:00	1.3	45	20/10/2022	15:00	2.2	90
17/10/2022	16:00	0.4	135	18/10/2022	16:00	1.3	135	19/10/2022	16:00	1.3	112.5	20/10/2022	16:00	2.2	45
17/10/2022	17:00	0.4	135	18/10/2022	17:00	1.3	22.5	19/10/2022	17:00	1.3	45	20/10/2022	17:00	1.8	67.5
17/10/2022	18:00	1.3	112.5	18/10/2022	18:00	1.3	22.5	19/10/2022	18:00	1.3	90	20/10/2022	18:00	2.2	45
17/10/2022	19:00	0.9	112.5	18/10/2022	19:00	1.3	22.5	19/10/2022	19:00	0.9	67.5	20/10/2022	19:00	2.7	45
17/10/2022	20:00	0.9	247.5	18/10/2022	20:00	1.8	90	19/10/2022	20:00	1.3	67.5	20/10/2022	20:00	1.3	202.5
17/10/2022	21:00	0.9	247.5	18/10/2022	21:00	1.3	135	19/10/2022	21:00	1.8	67.5	20/10/2022	21:00	1.3	67.5
17/10/2022	22:00	0.9	202.5	18/10/2022	22:00	1.8	45	19/10/2022	22:00	1.3	67.5	20/10/2022	22:00	1.3	157.5
17/10/2022	23:00	0.4	135	18/10/2022	23:00	0.9	337.5	19/10/2022	23:00	0.9	135	20/10/2022	23:00	0.9	337.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
21/10/2022	0:00	1.8	67.5	22/10/2022	0:00	0.9	112.5	23/10/2022	0:00	0.9	202.5	24/10/2022	0:00	0.4	180
21/10/2022	1:00	1.3	67.5	22/10/2022	1:00	0.9	112.5	23/10/2022	1:00	0.9	45	24/10/2022	1:00	0.4	337.5
21/10/2022	2:00	0.9	45	22/10/2022	2:00	1.3	135	23/10/2022	2:00	1.3	112.5	24/10/2022	2:00	0.9	112.5
21/10/2022	3:00	1.8	112.5	22/10/2022	3:00	1.3	202.5	23/10/2022	3:00	1.3	135	24/10/2022	3:00	0.4	135
21/10/2022	4:00	2.2	315	22/10/2022	4:00	0.9	112.5	23/10/2022	4:00	1.3	202.5	24/10/2022	4:00	0.4	135
21/10/2022	5:00	1.3	135	22/10/2022	5:00	0.9	135	23/10/2022	5:00	0.9	202.5	24/10/2022	5:00	0.4	135
21/10/2022	6:00	0.9	292.5	22/10/2022	6:00	1.3	315	23/10/2022	6:00	1.3	202.5	24/10/2022	6:00	0.4	112.5
21/10/2022	7:00	1.3	135	22/10/2022	7:00	1.8	202.5	23/10/2022	7:00	1.3	90	24/10/2022	7:00	0.4	67.5
21/10/2022	8:00	2.2	45	22/10/2022	8:00	0.9	135	23/10/2022	8:00	0.9	67.5	24/10/2022	8:00	0.9	337.5
21/10/2022	9:00	2.2	315	22/10/2022	9:00	1.8	157.5	23/10/2022	9:00	0.9	135	24/10/2022	9:00	0.9	22.5
21/10/2022	10:00	1.8	22.5	22/10/2022	10:00	1.3	135	23/10/2022	10:00	0.9	90	24/10/2022	10:00	0.9	270
21/10/2022	11:00	2.2	112.5	22/10/2022	11:00	1.3	202.5	23/10/2022	11:00	0.9	135	24/10/2022	11:00	0.4	270
21/10/2022	12:00	1.8	45	22/10/2022	12:00	2.2	135	23/10/2022	12:00	0.9	90	24/10/2022	12:00	0.4	337.5
21/10/2022	13:00	0.9	112.5	22/10/2022	13:00	1.3	112.5	23/10/2022	13:00	0.9	45	24/10/2022	13:00	0.9	202.5
21/10/2022	14:00	1.8	45	22/10/2022	14:00	0.9	112.5	23/10/2022	14:00	1.3	112.5	24/10/2022	14:00	0.9	315
21/10/2022	15:00	1.3	22.5	22/10/2022	15:00	0.9	112.5	23/10/2022	15:00	1.3	45	24/10/2022	15:00	0.9	112.5
21/10/2022	16:00	1.3	45	22/10/2022	16:00	1.3	112.5	23/10/2022	16:00	0.9	90	24/10/2022	16:00	0.4	135
21/10/2022	17:00	0.9	135	22/10/2022	17:00	1.3	202.5	23/10/2022	17:00	1.3	67.5	24/10/2022	17:00	0.9	67.5
21/10/2022	18:00	1.3	112.5	22/10/2022	18:00	0.9	67.5	23/10/2022	18:00	1.3	67.5	24/10/2022	18:00	0.4	135
21/10/2022	19:00	0.9	90	22/10/2022	19:00	0.9	270	23/10/2022	19:00	1.8	67.5	24/10/2022	19:00	0.4	45
21/10/2022	20:00	1.3	90	22/10/2022	20:00	0.9	135	23/10/2022	20:00	1.8	67.5	24/10/2022	20:00	1.3	45
21/10/2022	21:00	1.3	135	22/10/2022	21:00	0.9	202.5	23/10/2022	21:00	2.2	135	24/10/2022	21:00	0.9	135
21/10/2022	22:00	0.9	22.5	22/10/2022	22:00	0.4	135	23/10/2022	22:00	1.8	67.5	24/10/2022	22:00	0.9	225
21/10/2022	23:00	0.9	45	22/10/2022	23:00	0.4	292.5	23/10/2022	23:00	1.3	45	24/10/2022	23:00	1.3	202.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
25/10/2022	0:00	1.3	337.5	26/10/2022	0:00	1.8	45	27/10/2022	0:00	1.8	337.5	28/10/2022	0:00	0.9	112.5
25/10/2022	1:00	1.8	270	26/10/2022	1:00	1.3	45	27/10/2022	1:00	1.3	337.5	28/10/2022	1:00	1.3	45
25/10/2022	2:00	1.8	315	26/10/2022	2:00	1.3	45	27/10/2022	2:00	1.8	45	28/10/2022	2:00	1.3	67.5
25/10/2022	3:00	0.9	45	26/10/2022	3:00	1.3	247.5	27/10/2022	3:00	2.2	22.5	28/10/2022	3:00	0.9	45
25/10/2022	4:00	0.4	337.5	26/10/2022	4:00	2.2	202.5	27/10/2022	4:00	1.3	45	28/10/2022	4:00	0.9	337.5
25/10/2022	5:00	0.4	270	26/10/2022	5:00	1.8	202.5	27/10/2022	5:00	1.8	45	28/10/2022	5:00	1.3	337.5
25/10/2022	6:00	0.9	315	26/10/2022	6:00	2.2	292.5	27/10/2022	6:00	1.8	67.5	28/10/2022	6:00	0.9	337.5
25/10/2022	7:00	0.4	45	26/10/2022	7:00	1.8	337.5	27/10/2022	7:00	1.8	45	28/10/2022	7:00	1.3	0
25/10/2022	8:00	0.9	270	26/10/2022	8:00	1.8	247.5	27/10/2022	8:00	1.3	315	28/10/2022	8:00	1.3	0
25/10/2022	9:00	0.4	45	26/10/2022	9:00	1.3	315	27/10/2022	9:00	1.8	45	28/10/2022	9:00	1.8	337.5
25/10/2022	10:00	0.4	22.5	26/10/2022	10:00	1.3	270	27/10/2022	10:00	1.3	0	28/10/2022	10:00	1.8	247.5
25/10/2022	11:00	0.9	45	26/10/2022	11:00	1.3	337.5	27/10/2022	11:00	1.8	45	28/10/2022	11:00	0.9	337.5
25/10/2022	12:00	1.3	22.5	26/10/2022	12:00	1.8	22.5	27/10/2022	12:00	1.8	112.5	28/10/2022	12:00	0.9	202.5
25/10/2022	13:00	0.9	202.5	26/10/2022	13:00	1.8	270	27/10/2022	13:00	1.8	135	28/10/2022	13:00	1.3	45
25/10/2022	14:00	0.9	292.5	26/10/2022	14:00	1.8	45	27/10/2022	14:00	1.3	67.5	28/10/2022	14:00	1.3	315
25/10/2022	15:00	0.9	337.5	26/10/2022	15:00	1.3	45	27/10/2022	15:00	1.3	135	28/10/2022	15:00	1.3	0
25/10/2022	16:00	0.9	90	26/10/2022	16:00	2.2	202.5	27/10/2022	16:00	1.3	45	28/10/2022	16:00	0.9	315
25/10/2022	17:00	0.4	45	26/10/2022	17:00	1.8	202.5	27/10/2022	17:00	1.3	45	28/10/2022	17:00	0.9	292.5
25/10/2022	18:00	0.9	292.5	26/10/2022	18:00	2.2	337.5	27/10/2022	18:00	1.3	135	28/10/2022	18:00	1.8	90
25/10/2022	19:00	0.9	270	26/10/2022	19:00	2.2	202.5	27/10/2022	19:00	1.3	225	28/10/2022	19:00	1.3	135
25/10/2022	20:00	1.8	45	26/10/2022	20:00	2.7	90	27/10/2022	20:00	1.3	202.5	28/10/2022	20:00	0.9	112.5
25/10/2022	21:00	1.8	45	26/10/2022	21:00	2.2	45	27/10/2022	21:00	1.8	0	28/10/2022	21:00	0.9	112.5
25/10/2022	22:00	0.4	315	26/10/2022	22:00	2.7	292.5	27/10/2022	22:00	1.3	0	28/10/2022	22:00	1.3	112.5
25/10/2022	23:00	0.9	337.5	26/10/2022	23:00	2.2	270	27/10/2022	23:00	1.8	22.5	28/10/2022	23:00	1.8	135

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

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
29/10/2022	0:00	1.3	112.5	30/10/2022	0:00	1.8	45	31/10/2022	0:00	2.2	90				
29/10/2022	1:00	0.9	135	30/10/2022	1:00	1.8	45	31/10/2022	1:00	2.7	67.5				
29/10/2022	2:00	0.4	135	30/10/2022	2:00	1.8	45	31/10/2022	2:00	1.3	112.5				
29/10/2022	3:00	0.9	135	30/10/2022	3:00	1.8	67.5	31/10/2022	3:00	1.3	45				
29/10/2022	4:00	1.3	90	30/10/2022	4:00	2.2	45	31/10/2022	4:00	1.3	90				
29/10/2022	5:00	0.9	112.5	30/10/2022	5:00	1.3	67.5	31/10/2022	5:00	0.9	135				
29/10/2022	6:00	1.3	112.5	30/10/2022	6:00	1.3	90	31/10/2022	6:00	0.9	270				
29/10/2022	7:00	1.3	112.5	30/10/2022	7:00	1.3	67.5	31/10/2022	7:00	0.9	247.5				
29/10/2022	8:00	1.8	90	30/10/2022	8:00	1.8	67.5	31/10/2022	8:00	0.9	202.5				
29/10/2022	9:00	2.2	90	30/10/2022	9:00	1.8	45	31/10/2022	9:00	1.3	270				
29/10/2022	10:00	1.3	135	30/10/2022	10:00	2.2	112.5	31/10/2022	10:00	1.3	247.5				
29/10/2022	11:00	1.3	112.5	30/10/2022	11:00	1.3	315	31/10/2022	11:00	1.3	247.5				
29/10/2022	12:00	1.8	112.5	30/10/2022	12:00	1.3	135	31/10/2022	12:00	1.8	247.5				
29/10/2022	13:00	0.9	90	30/10/2022	13:00	1.3	292.5	31/10/2022	13:00	1.3	247.5				
29/10/2022	14:00	1.3	90	30/10/2022	14:00	1.3	135	31/10/2022	14:00	1.8	225				
29/10/2022	15:00	1.8	112.5	30/10/2022	15:00	0.9	292.5	31/10/2022	15:00	1.8	247.5				
29/10/2022	16:00	1.8	112.5	30/10/2022	16:00	1.3	45	31/10/2022	16:00	1.8	270				
29/10/2022	17:00	2.2	112.5	30/10/2022	17:00	1.8	45	31/10/2022	17:00	2.2	270				
29/10/2025	18:00	1.8	112.5	30/10/2022	18:00	1.3	22.5	31/10/2022	18:00	1.8	112.5				
29/10/2022	19:00	1.8	112.5	30/10/2022	19:00	0.9	135	31/10/2022	19:00	1.8	67.5				
29/10/2022	20:00	2.2	112.5	30/10/2022	20:00	0.9	90	31/10/2022	20:00	0.9	135				
29/10/2022	21:00	2.2	135	30/10/2022	21:00	1.8	135	31/10/2022	21:00	1.8	112.5				
29/10/2022	22:00	2.2	112.5	30/10/2022	22:00	1.8	90	31/10/2022	22:00	1.8	112.5				
29/10/2022	23:00	1.8	112.5	30/10/2022	23:00	2.2	45	31/10/2022	23:00	1.8	112.5				

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

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

Location: AM3 – Sky Tower

Start Date	Weather	Air Temp.	Atmospheric Pressure	Filter we	eight (g)	Particulate	Elapse	Time	Sampling Time	Flow (cfi		Av. Flow	Total vol.	Conc. $(ug/m^3)$
		(°C)	(hPa)	Initial	Final	weight (g)	Initial	Final	(min)	Initial	Final	(m <sup>3</sup> /min)	(m <sup>3</sup> )	$(\mu g/m^3)$
03/10/2022	Sunny	32.2	1013.5	17.9621	18.0827	0.1206	2022/10/3 13:32	2022/10/4 13:32	1440	46	46	1.21	1737	69
08/10/2022	Sunny	30.6	1015.4	17.7314	17.8396	0.1082	2022/10/8 13:24	2022/10/9 13:24	1440	46	46	1.21	1743	62
14/10/2022	Sunny	30.6	1012.1	18.1213	18.1743	0.0530	2022/10/14 9:21	2022/10/15 9:21	1440	46	46	1.21	1741	30
20/10/2022	Sunny	26	1017.5	17.8543	17.9724	0.1181	2022/10/20 9:26	2022/10/21 9:26	1440	46	46	1.22	1759	67
26/10/2022	Sunny	25.4	1017.2	14.8613	15.0062	0.1449	2022/10/26 13:06	2022/10/27 13:06	1440	48	48	1.30	1876	77
												Maxim	um	77
												Minim	um	30
												Avera	ge	61
												Action I	Level	182
												Limit L	evel	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.

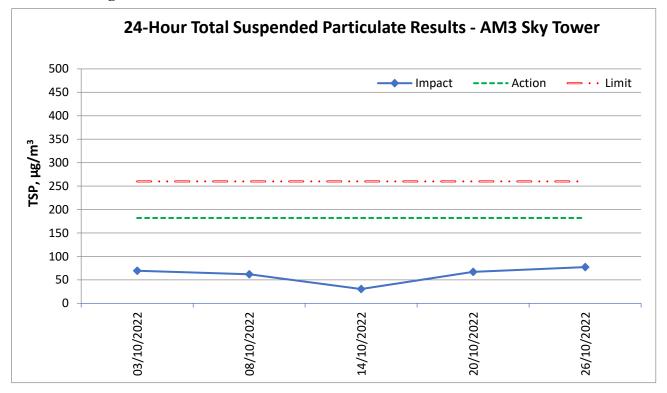
Start Date	Weather	Air Temp.	Atmospheric Pressure	Filter we	eight (g)	Particulate	Elapse	e Time	Sampling Time	Flow (cfi		Av. Flow	Total vol.	Conc. $(u = \sqrt{m^3})$
		(°C)	(hPa)	Initial	Final	weight (g)	Initial	Final	(min)	Initial	Final	(m <sup>3</sup> /min)	(m <sup>3</sup> )	$(\mu g/m^3)$
03/10/2022	Sunny	32.2	1013.5	17.7265	17.7885	0.0620	9654.86	9678.88	1441	50	50	1.36	1958	32
08/10/2022	Sunny	30.6	1015.4	17.9981	18.0855	0.0874	9679.36	9703.38	1441	50	50	1.36	1965	44
14/10/2022	Sunny	30.6	1012.1	17.9586	18.0821	0.1235	9704.11	9728.13	1441	50	50	1.36	1962	63
20/10/2022	Sunny	26	1017.5	14.7856	14.9274	0.1418	9729.21	9753.23	1441	48	48	1.32	1902	75
26/10/2022	Sunny	25.4	1017.2	18.1389	18.2693	0.1304	9753.52	9777.54	1441	50	50	1.38	1983	66
												Maxin	num	75
												Minim	num	32
												Avera	age	56
												Action 1	Level	181

Limit Level

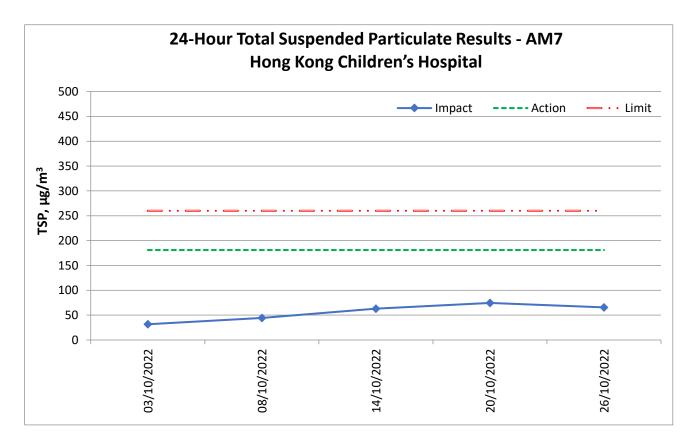
260

Location: AM7 – Hong Kong Children's Hospital

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

Date	Measure	emer	nt Period	1-hr TSP concentration, $\mu g/m^3$	Weather
	13:00	-	14:00	36	
03/10/2022	14:00	-	15:00	38	Sunny
	15:00	-	16:00	39	
	13:00	-	14:00	42	
08/10/2022	14:00	-	15:00	45	Sunny
	15:00	-	16:00	45	
	9:00	-	10:00	41	
14/10/2022	10:00	-	11:00	43	Sunny
	11:00	-	12:00	41	
	9:00	-	10:00	52	
20/10/2022	10:00	-	11:00	57	Sunny
	11:00	-	12:00	61	
	13:00	-	14:00	53	
26/10/2022	14:00	-	15:00	56	Sunny
	15:00	-	16:00	55	
M	laximum			61	
N	linimum			36	
/	Average			47	
Ac	tion Level			297	
Li	mit Level			500	

## Location:

AM3 -

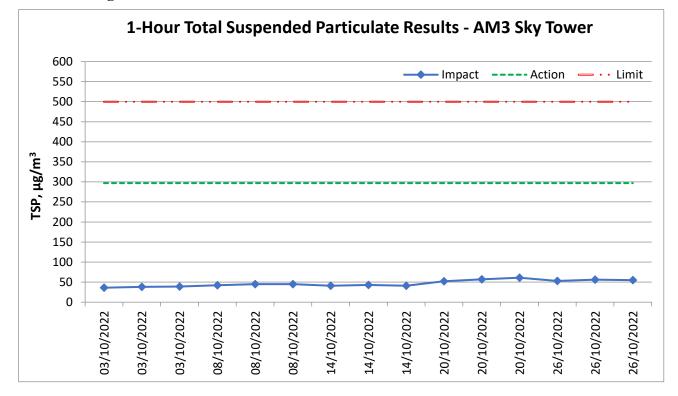
Sky Tower

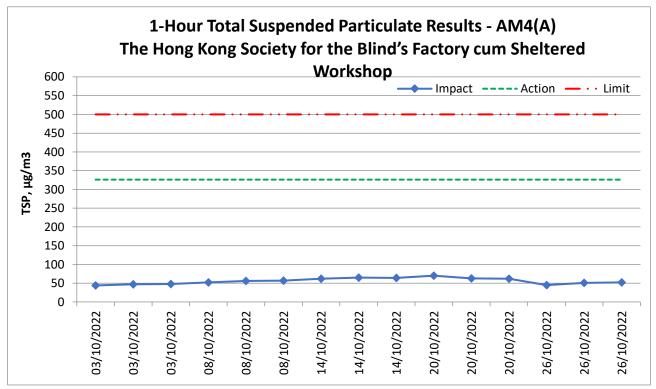
	Date	Measure	emer	nt Period	1-hr TSP concentration, µg/m <sup>3</sup>	Weather
Location:		9:00	-	10:00	44	
AM4(A) -	03/10/2022	10:00	-	11:00	47	Sunny
		11:00	-	12:00	48	
The Hong Kong		9:00	-	10:00	52	
Society for the	08/10/2022	10:00	-	11:00	56	Sunny
Blind's Factory		11:00	-	12:00	57	
cum Sheltered		13:00	-	14:00	62	
Workshop	14/10/2022	14:00	-	15:00	65	Sunny
workshop		15:00	-	16:00	64	
		13:00	-	14:00	70	
	20/10/2022	14:00	-	15:00	63	Sunny
		15:00	-	16:00	62	
		9:30	-	10:30	45	
	26/10/2022	10:30	-	11:30	51	Sunny
		16:40	-	17:40	52	
	Μ	aximum			70	
	M	linimum			44	
	A	Average			56	
	Act	tion Level			326	
	Liı	mit Level			500	

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.

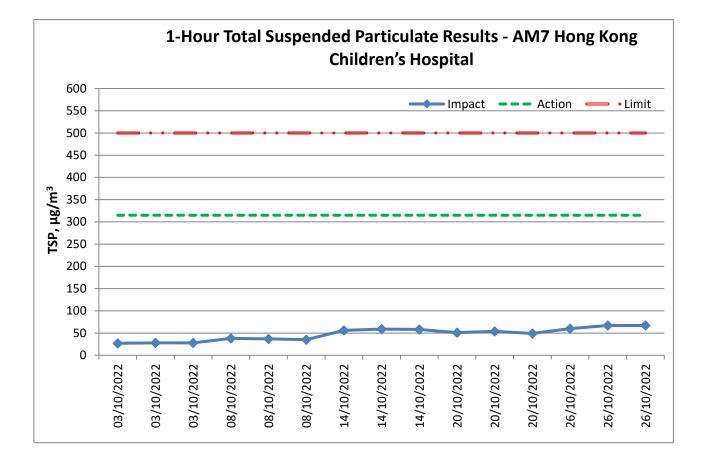
		Date		sure erio	ment d	1-hr TSP concentration, $\mu g/m^3$	Weather
Location:			13:00	-	14:00	27	
AM7 -		03/10/2022	14:00	-	15:00	28	Sunny
	Kong		15:00	-	16:00	28	
Hong	Kong		13:00	-	14:00	38	
Children's		08/10/2022	14:00	-	15:00	37	Sunny
Hospital			15:00	-	16:00	35	
			9:00	-	10:00	56	
		14/10/2022	10:00	-	11:00	59	Sunny
			11:00	-	12:00	58	
			9:00	-	10:00	51	
		20/10/2022	10:00	-	11:00	54	Sunny
			11:00	-	12:00	49	
			13:00	-	14:00	60	
		26/10/2022	14:00	-	15:00	67	Sunny
			15:00	-	16:00	67	
		М	aximum			67	
		Μ	linimum			27	
			Average			48	
		Act	tion Level			315	
		Liı	mit Level			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.



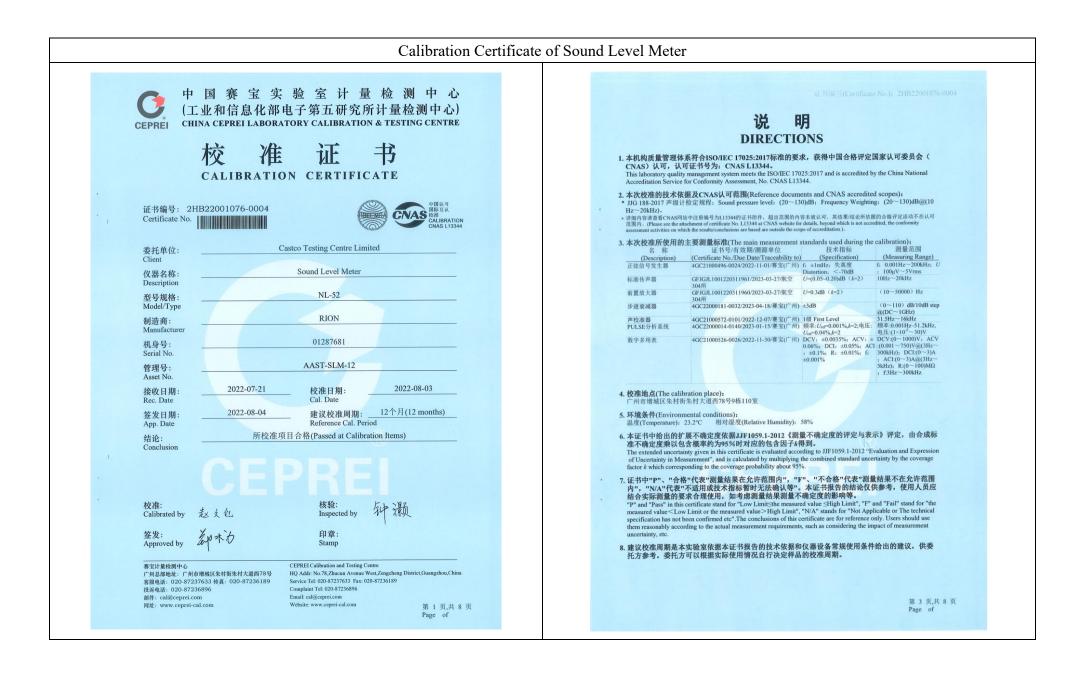
**Appendix I – Event and Action Plan for air quality** 

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

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

Appendix J – Calibration certificates, catalogue of noise monitoring equipment

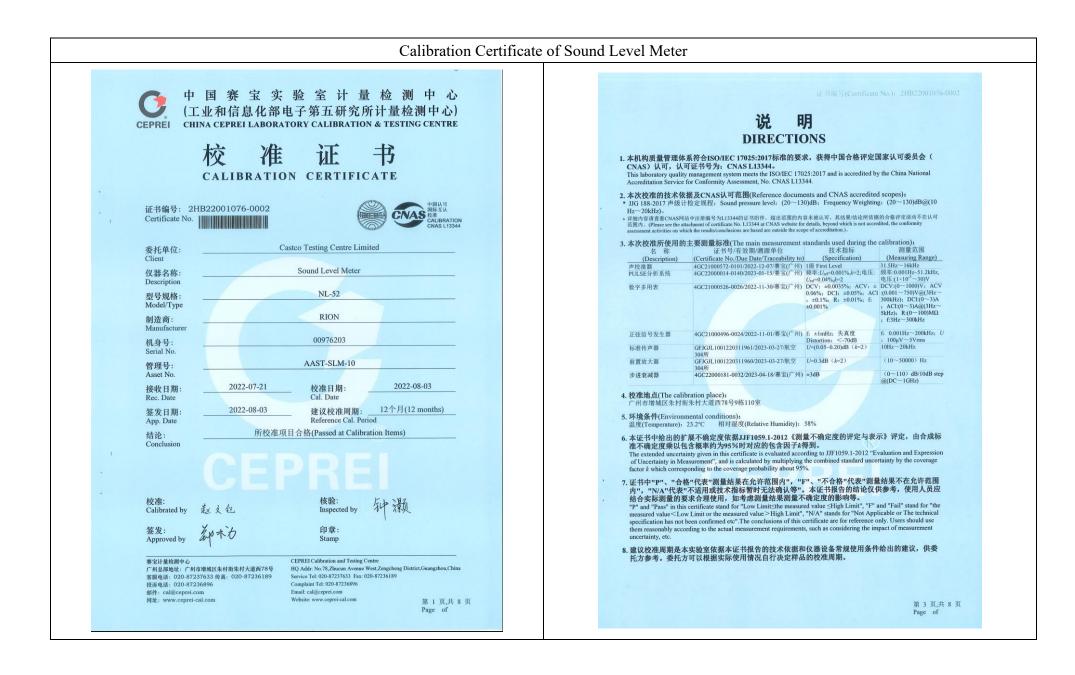
Speci	fications	Â	i 🍐					
				Data r			Allows viewing of stored data	n be exced in internal memory for later rea
Applicable	standards	NL-52	NL-42		memory		Start up via file settings previou	an be saved in internal memory, for later rec sly stored on SD card possible
, ibbiiogipie	standards	ANSI S1.4-1983 Type 1	ANSI S1.4-1983 Type 2		orm recording* e format	3	Uncompressed waveform WAV	F file
	•	ANSI S1.4A-1985 Type 1 ANSI S1.43-1997 Type 1	ANSI S1.4A-1985 Type 2 ANSI S1.43-1997 Type 2	Sar	mpling frequenc	y	Select 48 kHz, 24 kHz or 12 kH	
		JIS C 1509-1: 2005 Class 1	■IIS C 1509-1: 2005 Class 2		ta length DC output		Select 24 bit or 16 bit Output DC signals using a frequence	y weighting characteristic selected by processi
			HS (export model for China only)		Output vo	oltage	2.5 V, 25 mV / dB at bar graph of	display full scale ency weighting characteristic selected by
Measurem	nent functions	Simultaneous measurement of weighting and frequency weigh	the following items, with selected time		AC output		processing or by A, C, Z-weight	ing.
Proces:	sing (main ch)	Instantaneous sound pressure	level: Lp		Output vo Comparator		1 V (rms values) at bar graph di Turns on when the open-collect	
		Equivalent continuous sound p Sound exposure level: LE	ressure level: Leg		output*2		(max. applied voltage 24 V, max.	current 60 mA, allowable dissipation 300 mV
		Maximum sound pressure leve		USBE			Allows USB to be connected to a Allows USB to be controlled via c	computer and recognized as a removable di ommunication commands
		Minimum sound pressure level Percentile sound levels: LN (0.1	to 99.9 %, 0.1-increment steps, max. 5 values)		32C communi		Allows for RS-232C communica	tion via use of a dedicated cable
	sing (sub ch) nal processing	Instantaneous sound pressure In addition to main processing	level: Lp items, one of the following can be selected	Тур	continuous out	ous value		
	pressing	for simultaneous processing:		dat	ta Processe Itput interval	ed value	Leq, Lmax, Lmin, Lpeak 100 ms	
		C-weighted equivalent continue C-weighted peak sound level: I		Print o	out		Printing of measurement results	
		Z-weighted peak sound level: L ⊥-time-weighted equivalent contin			r requirement ttery life (23 מ			e or rechargeable batteries) or external power supp Ni-MH secondary battery: 25 h
		Maximum 1-time-weighted equiva	lent continuous sound level: LAImax*2	-	adapter	_	At the maximum * Depends on NC-98C (NC-34 for previous me	the setting
			um level of each 5 second interval: LAtm5 hal processing synchronizes with the frequency weighting	Ext	ternal power v		5 to 7 V (rated voltage: 6 V)	
		of the sub-channel, so when the sub-ch	annel has A-weighting, LAtus can be selected.	Cu	rrent consum nt Temper		Approximately 90 mA (normal o -10 to +50 ℃	peration, rated voltage)
		(Lzpeak) are selectable.	elected, the additional processing $LCeq$ and $LCpeak$	conditi	ions Humidi	ty	10 to 90 % RH (non-condensing IP code: IP54 (except for microp	
Measuring Microphone		10 s, 1, 5, 10, 15, 30 m, 1, 8, 2 UC-59	4 h, and manual (maximum 24 h) UC-52	perform	roof / water-re: mance *4		See precautions regarding wate	rproofing
	Sensitivity level	-27 dB	-33 dB		nsions, weight ied accessori			im(D), approx. 400 g (with batteries) -10 x 1, Windscreen fall prevention rubber x 1
Measurem	nent range	A-weighting: 25 dB to 138 dB C-weighting: 33 dB to 138 dB					Hand strap x 1, LR6 (AA) alkaline	batteries x 4, SD card 512 MB×1 (NX-42EX
		Z-weighting: 38 dB to 138 dB					preinstalled model only)	
		C-weighting peak sound level: Z-weighting peak sound level:		Opti	ons	D	duct name	Product number
Inherent noise	A-weighting C-weighting	17 dB or less 25 dB or less	19 dB or less 27 dB or less			progra	m (Inst.on 512 MB SD card)	NX-42EX
	Z-weighting	30 dB or less	32 dB or less				ram *2 (Inst.on 2 GB SD card) lysis program *2 (Inst.on 512 MB SD card)	NX-42WR NX-42RT
Frequency Frequency	/ range / weighting	20 Hz to 20 kHz A, C, and Z	20 Hz to 8 kHz	FFT a	analysis progr	'am * 2 (	(Inst.on 512 MB SD card)	NX-42FT
Time weig	hting	F (Fast) and S (Slow)		Data r	management s	oftware	e for environmental measurement e for environmental measurement	AS-60 AS-60RT
Level rang Bar grapi	je h display range max	Single range (Linearity range: Max. 110 dB (20 to 130 dB)	113 dB)				octave data management software) e for environmental measurement /el data management software)	AS-60∨M
	of bar graph display ction circuit	Set the upper/ lower limit in 10 Digital processing method	dB increments.		des the vibrat form analysis			CAT-WAVE
Sampling		20.8 µS (Lp, Leq, LE, Lmax, Lmin,	Lpeak : sampling frequency: 48 kHz)		ard 512 MB ard 2 GB			SD-512M SD-2G
Calibratior	1	100 ms (Ln) Measurement Law: electrical calibra	ation performed according to IEC and JIS standards,	AC ac	dapter (100 ∨	to 240	)∨)	NC-98C
Correction	functions	using internally generated signals; a Windscreen correction;	coustic calibration performed with the NC-74.		ry pack phone extens	tion cal	hles	BP-21 EC-04 (from 2 m)
Conection	Tuncuons		C 1509-1 standards when the windscreen is installed.	BNC-	Pin output co	de		CC-24
		Diffuse sound field correction: Correction of frequency chara	cteristics in order to comply with standards	Comp	parator output er	cable		CC-42C DPU-414
Deler		(ANSI S1.4) in diffuse sound fie	əld.		er cable 32C serial ⊥/C	) cablo		CC-42P CC-42R
Delay time	,		easuring a specified time (OFF, 1, 3, 5 or 10 s) pressed or when a user-set trigger is exceeded.	USB (	cable	Cable		-
Back eras	e function		ed to pause measurement, the preceding data are excluded from processing.		d calibrator eather windsc	reen		NC-74 WS-15
Display		Backlit semitransparent color T	FT LCD display WQVGA (400 x 240 dots)	Winds	screen mount	ing ada		WS-15006
		* LCD with touch panel (Capa Numerical display update frequen	citive Touch Panel) cy: 1 state Bar graph update frequency: 100 ms		protection win d level meter		en	WS-16 ST-80
Store		Data for measurement results an	e stored manually in single address increments.		eather windsc Rion fully quar			ST-81 separately). *3 NX-42WR required (sold separat
12 22	Number of data	Internal memory: max. 1000 se SD Card: depends on the capa		*4 Pro	tection agains	st harm	ful dust and water splashing from	any direction.
EEEAu	to*2	Instantaneous values (Lp mode stored continuously and autom	and processed values (Leg mode) are	Before	use, verify the	at the ru	vaterproofing ubber bottom cover and the battery	
	p sampling cycle	100 ms, 200 ms, 1 s, Leg 1s		To mai	ntain the wate	r and d	iust proof rating, internal packing rep	placement is required every two years (at cos
	eq sampling cycle	10 s, 1, 5, 10, 15, 30 ms, 1, 8, Max. 1000 h (depends on the						150 14001
								T1"R /
Minda		k of Microsoft Corporation.						
		to change without notice.						ISO 14001 RION CO., LTD. ISO 9001 RION CO., LTD.
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C.	证书编号(Certificate No.): 2HB22001076	76.0004	CEPREI			证书编号	(Certificate No.):	2HB22001076	5-0004
CEPREI	业书编亏(Certificate No.): 2HB22001076	0-0004	4 A计权特性(A-W	Weighting Cha	racteristic)				
1 外观与工作正常性检查 (Appearance and Function Cl	heck)		频率	实测值	理论值	误差	允许误差	结论	U
无影响证书中测量结果准确度的因素和缺陷。			(Frequency)	(Actual)	(Theoretical value)	(Error)	(Limit)	(Pass/Fail)	( <i>k</i> =2)
There are no factor and defect that affect the measure	surement result accuracy of the certificate.		(Hz)	(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)
2 指示声级调整 (Indication SPL Calibration)	频率(Frequency)=100	000.0	20	-50.7	-50.5	-0.2	±2.0	Р	0.5
2 指示戶級调整 (Indication SPL Calibration) 传声器型号 传声器编号	放大器型号 放大器编号		25	-45.0	-44.7	-0.3	+2.0 ~ -1.5	Р	0.5
(Microphone Type) (Microphone SN.)	(Preamplifier Type) (Preamplifier SN		31.5	-39.6	-39.4	-0.2	±1.5	Р	0.5
	((((ampinier type)) ((((ampinier of		40	-34.6	-34.6	0.0	±1.0	Р	0.5
			50	-30.2	-30.2	0.0	±1.0	Р	0.5
声校准器型号 标准声压级	校准前示值 校准后示值	U	63 80	-26.1	-26.2 -22.5	0.1 0.2	±1.0	P P	0.5
(Calibrator Type) (Reference SPL)	(Before Calibration) (After Calibration)	( <i>k</i> =2)	100	-22.3	-22.5	0.2	±1.0 ±1.0	P	0.5 0.5
(dB)	(dB) (dB)	(dB)	125	-15.1	-15.1	0.0	±1.0 ±1.0	P	0.5
4226 94.0	93.8 93.8	0.2	160	-13.2	-13.4	0.2	±1.0	Р	0.5
			200	-10.7	-10.9	0.2	±1.0	Р	0.5
3 级线性 (Level Linearity)			250	-8.7	-8.6	-0.1	±1.0	Р	0.5
	频率(Frequency): 8000Hz 级(Sound Level Indication of Start Point): 90.0 dl	ID.	315	-6.8	-6.6	-0.2	±1.0	Р	0.4
	n Error for each 10dB above Start Point): -0.2 dl		400	-4.7	-4.8	0.1	±1.0	Р	0.4
起如点以上问题100D点的取入快差(Maximun	U (k=2) 0.6 dl		500	-3.1	-3.2	0.1	±1.0	Р	0.4
上限以下5dB间隔1dB点的最大误差(Maximum Erro			630	-1.8	-1.9	0,1	±1.0	Р	0.4
	U (k=2) 0.6 dl		800	-0.7	-0.8	0.1	±1.0	Р	0.4
起始点以下间隔10dB点的最大误差(Maximun	n Error for each 10dB below Start Point): -0.2 dl	IB	1000(Ref.) 1250	0.0 0.6	0.0 0.6	0.0	±0.7	P P	0.4
	U (k=2) 0.6 dl	IB	1600	1.0	1.0	0.0	±1.0 ±1.0	P	0.6 0.6
下限以上5dB间隔1dB点的最大误差(Maximum Erro			2000	1.1	1.2	-0.1	±1.0	P	0.6
	U (k=2) 0.6 dl	IB	2500	1.1	1.3	-0.2	±1.0	Р	0.6
			3150	1.0	1.2	-0.2	±1.0	Р	0.6
Construction of the second	贡率(Frequency): 1000Hz 级(Sound Level Indication of Start Point): 90.0 dl	IB	4000	0.7	1.0	-0.3	±1.0	Р	0.6
	m Error for each 10dB above Start Point): -0.1 dl		5000	0.4	0.5	-0.1	±1.5	Р	0.6
AS ALMOST FALLE FOR MUT ARE A AN CE (MICH III)	U (k=2) 0.4 dl		6300	-0.2	-0.1	-0.1	+1.5 ~ -2.0	Р	0.6
上限以下5dB间隔1dB点的最大误差(Maximum Erro			8000	-1.0	-1.1	0.1	+1.5 ~ -2.5	Р	0.6
	U (k=2) 0.4 dl		10000	-2.3	-2.5	0.2	+2.0 ~ -3.0	Р	0.6
起始点以下间隔10dB点的最大误差(Maximur	n Error for each 10dB below Start Point): -0.1 dl	IB	12500 16000	-4.2 -8.5	-4.3 -6.6	0.1	+2.0 ~ -5.0	P	1.0
	U (k=2) 0.4 dl	IB	20000	-8.5	-0.0	-1.9	+2.5 ~ -16.0 +3.0 ~ -∞	P P	1.0 1.0
下限以上5dB间隔1dB点的最大误差(Maximum Erro			20000	-10.4	-9.3	-9.1	+3.0 ~ -00	r	1.0
	<i>U</i> ( <i>k</i> =2) 0.4 dl	IB							
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	Page of	01							

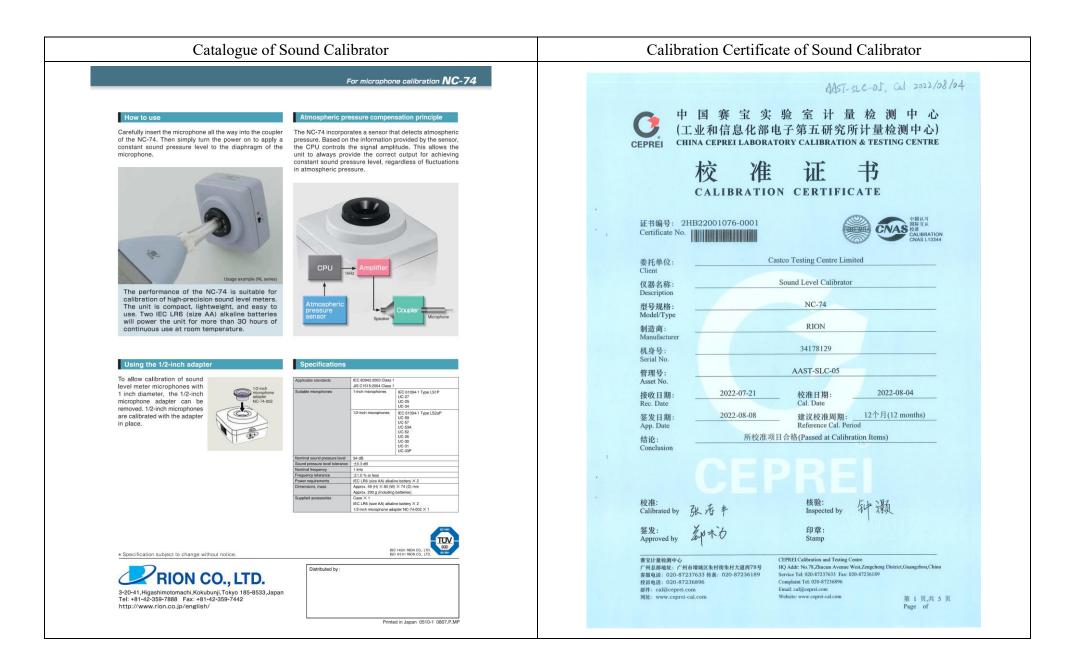
			证书编号	(Certificate No.): 2	2HB22001076	5-0004	
4 A计权特性(A-W	Veighting Cha	racteristic)					
频率	实测值	理论值	误差	允许误差	结论	U	
(Frequency)	(Actual)	(Theoretical value)	(Error)	(Limit)	(Pass/Fail)	( <i>k</i> =2)	
(Hz)	(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)	
20	-50.7	-50.5	-0.2	±2.0	Р	0.5	
25	-45.0	-44.7	-0.3	+2.0 ~ -1.5	Р	0.5	
31.5	-39.6	-39.4	-0.2	±1.5	Р	0.5	
40	-34.6	-34.6	0.0	±1.0	Р	0.5	
50 63	-30.2 -26.1	-30.2 -26.2	0.0 0.1	±1.0 ±1.0	P P	0.5 0.5	
80	-20.1	-20.2	0.1	±1.0 ±1.0	P P	0.5	
100	-19.1	-19.1	0.0	±1.0	P	0.5	
125	-16.1	-16.1	0.0	±1.0	P	0.5	
160	-13.2	-13.4	0.2	±1.0	Р	0.5	
200	-10.7	-10.9	0.2	±1.0	Р	0.5	
250	-8.7	-8.6	-0.1	±1.0	Р	0.5	
315	-6.8	-6.6	-0.2	±1.0	Р	0.4	
400	-4.7	-4.8	0.1	±1.0	Р	0.4	
500	-3.1	-3.2	0.1	±1.0	Р	0.4	
630	-1.8	-1.9	0.1	±1.0	Р	0.4	
800	-0.7	-0.8	0.1	±1.0	Р	0.4	
1000(Ref.)	0.0	0.0	0.0	±0.7	Р	0.4	
1250	0.6	0.6	0.0	±1.0	Р	0.6	
1600	1.0	1.0	0.0	±1.0	Р	0.6	
2000	1.1	1.2	-0.1	±1.0	Р	0.6	
2500	1.1	1.3	-0.2	±1.0	Р	0.6	
3150	1.0	1.2	-0.2	±1.0	Р	0.6	
4000	0.7	1.0	-0.3	±1.0	Р	0.6	
5000	0.4	0.5	-0.1	±1.5	Р	0.6	
6300 8000	-0.2 -1.0	-0.1	-0.1	$+1.5 \sim -2.0$	Р	0.6	
10000	-1.0	-1.1 -2.5	0.1	$+1.5 \sim -2.5$ $+2.0 \sim -3.0$	Р	0.6	
10000	-4.2	-2.5	0.2	$+2.0 \sim -3.0$ $+2.0 \sim -5.0$	P P	0.6 1.0	
12500		-6.6	-1.9	$+2.0 \sim -3.0$ $+2.5 \sim -16.0$	P	1.0	
12500 16000	-8.5						

CEPREI			证书编号	(Certificate No.): 2	2HB22001076	-0004
5 C计权特性(C-W	Veighting Cha	racteristic)				
频率	实测值	理论值	误差	允许误差	结论	U
(Frequency)	(Actual)	(Theoretical value)	(Error)	(Limit)	(Pass/Fail)	(k=2)
(Hz)	(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)
20	-6.3	-6.2	-0.1	±2.0	Р	0.5
25	-4.5	-4.4	-0.1	+2.0 ~ -1.5	Р	0.5
31.5	-3.0	-3.0	0.0	±1.5	Р	0.5
40	-2.0	-2.0	0.0	±1.0	Р	0.5
50	-1.2	-1.3	0.1	±1.0	Р	0.5
63	-0.7	-0.8	0.1	±1.0	Р	0.5
80	-0,4	-0.5	0.1	±1.0	Р	0.5
100	-0.2	-0.3	0.1	±1.0	Р	0.5
125	-0.1	-0.2	0.1	±1.0	Р	0.5
160	0.0	-0.1	0.1	±1.0	Р	0.5
200	0.0	0.0	0.0	±1.0	Р	0.5
250	0.0	0.0	0.0	±1.0	P P	0.5
315	0.0	0.0	0.0	±1.0	P P	0.4
400	0.0	0.0	0.0	±1.0	P	0.4 0.4
500	0.0	0.0	0.0	±1.0	P P	0.4
630	0.0	0.0	0.0	±1.0 ±1.0	P P	0.4
800	0.0	0.0	0.0		P P	0.4
1000(Ref.)	0.0	0.0	0.0	±0.7 ±1.0	P	0.4
1250	-0.1 -0.2	-0.1	-0.1 -0.1	±1.0	P	0.6
1600			-0.1	±1.0	P	0.6
2000	-0.3 -0.5	-0.2 -0.3	-0.1	±1.0 ±1.0	P	0.6
2500		-0.5	-0.2	±1.0	P	0.6
3150	-0.8 -1.1	-0.5	-0.3	±1.0	P	0.6
4000 5000	-1.1	-0.8	-0.3	±1.5	P	0.6
6300	-1.5	-1.3	-0.2	+1.5 ~ -2.0	P	0.6
8000	-2.1	-3.0	0.1	+1.5 ~ -2.5	Р	0.6
10000	-4.2	-4.4	0.2	+2.0 ~ -3.0	Р	0.6
12500	-6.2	-6.2	0.0	+2.0 ~ -5.0	P	1.0
16000	-10.4	-8.5	-1.9	+2.5 ~ -16.0	Р	1.0
20000	-20.4	-11.2	-9.2	+3.0 ~ -00	Р	1.0
20000	-20.4	-11.2	-9.2	1010 1 100		



CEPREI		证书编号(Certific	ate No.): 2HB2200	01076-0002	CEPREI			证书编号	€(Certificate No.):	2HB2200107	6-0002
1 外观与工作正常性检查(A	Appearance and Function C	Check)			4 A计权特性(A-V	Weighting Cha	racteristic)				
无影响证书中测量结	果准确度的因素和缺陷。				频率	实测值	理论值	误差	允许误差	结论	U
There are no factor and	d defect that affect the mea	asurement result accuracy o	f the certificate.		(Frequency)	(Actual)	(Theoretical value)	(Error)	(Limit)	(Pass/Fail)	( <i>k</i> =2)
			Art also and		(Hz)	(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)
2 指示声级调整 (Indication			频率(Frequency) 号 放大器		20	-50.6	-50.5	-0.1	±2.0	Р	0.5
传声器型号	传声器编号 (Microphone SN.)	放大器型 (Preamplifier			25	-44.9	-44.7	-0.2	+2.0 ~ -1.5	Р	0.5
(Microphone Type)	(Microphone 314.)	(Preamprine)	(r reampini	ler bivij	31.5 40	-39.7	-39.4	-0.3	±1.5	P	0.5
					40 50	-34.6 -30.2	-34.6 -30.2	0.0 0.0	±1.0 ±1.0	P P	0.5 0.5
声校准器型号	标准声压级	校准前示值	校准后示值	U	63	-26.2	-26.2	0.0	±1.0 ±1.0	р	0.5
(Calibrator Type)	(Reference SPL)	(Before Calibration)	(After Calibration	) ( <i>k</i> =2)	80	-22.4	-22.5	0.1	±1.0	Р	0.5
	(dB)	(dB)	(dB)	(dB)	100	-19.1	-19.1	0.0	±1.0	Р	0.5
4226	94.0	93.8	93.8	0.2	125	-16.1	-16.1	0.0	±1.0	Р	0.5
					160	-13.3	-13.4	0.1	±1.0	Р	0.5
3 级线性 (Level Linearity)					200	-10.8	-10.9	0.1	±1.0	Р	0.5
3.1 参考级量程 (Reference		频率(Frequency): 8000Hz			250	-8.6	-8.6	0.0	±1.0	Р	0.5
date had been a	and the second	级(Sound Level Indication			315	-6.6	-6.6	0.0	±1.0	Р	0.4
起始点以上间喃10d	B点的取入误差(Maximu	um Error for each 10dB abo	$U \ (k=2) \ 0.6$		400	-4.7	-4.8	0.1	±1.0	Р	0.4
上限以下5dB间隔1dB点的	的最大误差(Maximum Fr	ror for each 1dB below Un			500 630	-3.2 -1.9	-3.2 -1.9	0.0 0.0	±1.0	P	0.4
THEEX LOUDINING LODING	ITAK / W Z (Waxmann En	for for cach full below op		dB	800	-1.9	-0.8	0.0	±1.0 ±1.0	P	0.4 0.4
起始点以下间隔10d	B点的最大误差(Maximu	m Error for each 10dB bel			1000(Ref.)	0.0	0.0	0.0	±0.7	р	0.4
			U (k=2) 0.6	dB	1250	0.5	0.6	-0.1	±1.0	Р	0.6
下限以上5dB间隔1dB点的	的最大误差(Maximum En	ror for each 1dB above Lov	ver Limit 5dB): -0.2	2 dB	1600	0.9	1.0	-0.1	±1.0	Р	0.6
			U (k=2) 0.6	i dB	2000	1.0	1.2	-0.2	±1.0	Р	0.6
					2500	1.0	1.3	-0.3	±1.0	Р	0.6
3.2 其它级量程 (Other Ran		频率(Frequency): 1000Hz	UV .	o 10	3150	0.9	1.2	-0.3	±1.0	Р	0.6
Analy is by a support		级(Sound Level Indication			4000	0.7	1.0	-0.3	±1.0	Р	0.6
起始点以上间隔100	ID 点的取入误差(Maximu	um Error for each 10dB abo	U (k=2) 0.4		5000 6300	0.4 -0.3	0.5	-0.1	±1.5	P	0.6
上限以下5dB间隔1dB占	的最大误差(Maximum Er	rror for each 1dB below Up			8000	-0.3	-0.1	-0.2	$+1.5 \sim -2.0$ $+1.5 \sim -2.5$	P	0.6 0.6
				dB	10000	-2.3	-2.5	0.2	+2.0 ~ -3.0	Р	0.6
起始点以下间隔10c	iB点的最大误差(Maximu	um Error for each 10dB bel		1 dB	12500	-4.3	-4.3	0.0	+2.0 ~ -5.0	Р	1.0
			U (k=2) 0.4	dB	16000	-8.6	-6.6	-2.0	+2.5 ~ -16.0	Р	1.0
下限以上5dB间隔1dB点	的最大误差(Maximum Er	rror for each 1dB above Lo	wer Limit 5dB): -0.	1 dB	20000	-18.5	-9.3	-9.2	+3.0 ~ -∞	Р	1.0
			U (k=2) 0.4	4 dB							
	数据页(Datas	sheet) ID: 071288		5 页,共 8 页 ge of	第 6 页,共 8 页 Page of	Ę	数据页(Data sh	eet) ID: (	071288		

<b>G</b> CEPREI			证书编号	(Certificate No.):	2HB2200107	6-0002	CEPREI	证书编号(Certificate No.): 2HB220010
5 C计权特性(C-W	Veighting Cha	racteristic)					6 自生噪声 (Autogenou 计权 3	s noise) <del></del> に測值
频率	实测值	理论值	误差	允许误差	结论	U .		Actual)
(Frequency)	(Actual)	(Theoretical value)	(Error)	(Limit)	(Pass/Fail)	( <i>k</i> =2)		(dB)
(Hz)	(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)		18.8
20	-6.4	-6.2	-0.2	±2.0	Р	0.5		·
25	-4.5	-4.4	-0.1	+2.0 ~ -1.5	Р	0.5	以下空白/No data hereaft	cr
31.5	-3.0	-3.0	0.0	±1.5	Р	0.5		
40	-2.1	-2.0	-0.1	±1.0	Р	0.5		
50	-1.3	-1.3	0.0	±1.0	Р	0.5		
63	-0.8	-0.8	0.0	±1.0	Р	0.5		
80	-0.4	-0.5	0.1	±1.0	Р	0.5		
100	-0.3	-0.3	0.0	±1.0	Р	0.5		
125	-0.1	-0.2	0.1	±1.0	Р	0.5		
160	0.0	-0.1	0.1	±1.0	Р	0.5		
200	0.0	0.0	0.0	±1.0	Р	0.5		
250	0.0	0.0	0.0	±1.0	Р	0.5		
315	0.0	0.0	0.0	±1.0	Р	0.4		
400	0.0	0.0	0.0	±1.0	Р	0.4		
500	0.0	0.0	0.0	±1.0	Р	0.4		
630	0.0	0.0	0.0	±1.0	Р	0.4		
800	0.0	0.0	0.0	±1.0	Р	0.4		
1000(Ref.)	0.0	0.0	0.0	±0.7	Р	0.4		
1250	-0.1	0.0	-0.1	±1.0	Р	0.6		
1600	-0.2	-0.1	-0.1	±1.0	Р	0.6		
2000	-0.5	-0.2	-0.3	±1.0	Р	0.6		1
2500	-0.5	-0.3	-0.2	±1.0	Р	0.6		R
3150	-0.8	-0.5	-0.3	±1.0	Р	0.6		
4000	-1.1	-0.8	-0.3	±1.0	Р	0.6		
5000	-1.5	-1.3	-0.2	±1.5	Р	0.6		
6300	-2.1	-2.0	-0.1	+1.5 ~ -2.0	Р	0.6		
8000	-2.9	-3.0	0.1	+1.5 ~ -2.5	Р	0.6		
10000	-4.3	-4.4	0.1	+2.0 ~ -3.0	Р	0.6		
12500	-6.4	-6.2	-0.2	+2.0 ~ -5.0	Р	1.0		
16000	-10.5	-8.5	-2.0	+2.5 ~ -16.0	Р	1.0		
20000	-20.4	-11.2	-9.2	+3.0 ~ -∞	Р	1.0		
							第8页,共8页	数据页(Data sheet) ID: 071288
		数据页(Data s	sheet) ID:	071288	第 7 ] Page	页,共 8页	Page of	



			CEPREI		证书	稿号(Certificate	No.): 2HB220	01076-0001
	说明							
	DIRECTIONS			校准结果准确度	e and Function Check) 的因素和缺陷。			
	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(	100			nat affect the calibration resu	ilt accuracy of the	certificate.	
	1. キャリオラム 高 当年 デオリ おいろにて いるいたい オンロンボオ かんしょう オート コート コート オート マント マント マント マント マント マント マント マント マント マン		2 声压级 (Sound Pre	ssure Level)				
	<ol> <li>本次校准的技术依据及CNAS认可范围(Reference documents and CNAS accredited scopes):</li> <li>JJG 176-2005 声发准器检定规程: Sound Pressure Level: 94dB、104dB、114dB、124dB(511)</li> <li>104dB、114dB(31:14E2-016Hz): Frequency: 31.51Hz-104Hz; Harmonic Distortion: 0~10%. (20Hz~20)</li> </ol>		规定声压级	測量声压级	声压级差的绝对值	允许范围	结论	U
	kHz)。 * 详细内容请查看CNAS网站中注册编号为L13344的还书册件, 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		(Prescribed SPL)	(Measured SPL)	(Absolute value of SPL)	(Limit)	(Pass/Fail)	(k=2)
	范围内。(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.).		(dB)	(dB)	(dB)	(dB)		(dB)
	<ol> <li>本次校准所使用的主要测量标准(The main measurement standards used during the calibration);</li> <li>名 称 证书号有效期测源单位 技术指标 测量范围 (Description) (Certificate No.Due Date/Taccaebility to) (Specification) (Measuring Range)</li> </ol>		94	93.93	0.07	≤0.40	Р	0.10
	标准传声器 GFJGJL1001220311961/2023-03-27/航空 U=(0.05-0.20)dB(k=2) 10Hz~20kHz 304所		3 頻率 (Frequency)					
	前置放大器 L5ss2022-01723/2023-03-15/中国计量院 U=0.3dB (k=2) (10~50000) Hz PULSE分析系统 4GC22000014-0140/2023-01-15/赛宝(广州) 频率:U <sub>nd</sub> =0.001%,k=2:电压: 频率:0.001Hz~51.2kHz,		Les also dell' rive	NS4 898, 445 cbr	频率误差的绝对值	允许范围	结论	Urel
	Ume=0.04%,k=2 电压:(1×10 <sup>-3</sup> ~30)V		規定頻率	测量频率	频率获差的绝对值 (Absolute value of Fre.)	(Limit)	(Pass/Fail)	(k=2)
	<ol> <li>化准地点(The calibration place): 广州市增城区朱村街朱村大道西78号9栋110室</li> </ol>		(Prescribed Fre.) (Hz)	(Measured Fre.) (Hz)	(%)	(%)	(1 435/1 411)	(%)
	5. 环境条件(Environmental conditions); 温度(Temperature): 23.1℃ 相对湿度(Relative Humidity): 65%		1000	1002.1	0.21	≤1.00	Р	0.10
	6. 本证书中绘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		4 总失真 (Distortio	n)				
	factor k which corresponding to the coverage probability about 95%.		規定声压级	规定频率	总失真	允许范围	结论	Urel
	7. 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		(Prescribed SPL)	(Measured Fre.)	(Distortion)	(Limit)	(Pass/Fail)	( <i>k</i> =2)
	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。		(dB)	(Hz)	(%)	(%)		(%)
	"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="" measured="" or="" the="" 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</low>		94	1000	0.07	≤3.00	P	5.0
	them reasonably according to the actual measurement requirements, such as considering the impact of measurement uncertainty, etc.		以下空白/No data here	after				
• •	8. 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 actual use.							



EPPE     EPPE     ETHAGE (Certificate No.): 2HB22001358-0007     A 宛与工作正常性检查 (Appearance and Function Check)     无影响证书中校准结果准确定的因素和缺路。     There are no factor and defect that affect the calibration result accuracy of the certificate     2 声压级 (Sound Pressure Level)     展定声压级 潮量声压级 声压级差的绝对值 允许范围 结论 U     (Prescribed SPL) (Absolute value of SPL) (Limit) (Pass/Fail) (A=2)     (dB) (dB) (dB) (dB) (dB)     3 频率 (Frequency)     基定频率 测量频率 频率误差的绝对值 允许范围 结论 U     (Prescribed Fre.) (Measured Fre.) (Limit) (Pass/Fail) (J=2)	SPECIFICATION: THERMAL ANEMC MODELS TA410, TY Range (TA410) Range (TA430, TA440) Accuracy (TA430, TA440) Accuracy (TA430, TA440) <sup>10</sup> Resolution Duct Size (TA430, TA440) <sup>11</sup> Dimensions Volumetric Flow Rate ( Range	METERS A430 AND TA440 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 (±51 ft/min), whichever is greater * ±3% of reading or ±0.015 m/s (±31 ft/min), whichever is greater 0.01 m/s (1 ft/min)	Time Constant (TF User selectable External Meter Din 8.4 cm x 17.8 cm x 4 Meter Weight with 0.27 kg (0.6 lbs.)	nensions 4 cm (3.3 in. x 2		
无影响证书中校准结果准确度的因素和缺陷。 There are no factor and defect that affect the calibration result accuracy of the certificate. 2 声压级 (Sound Pressure Level) 現定声压级 潮量声压级 声压级差的绝对值 允许范围 结论 U (Prescribed SPL) (Measured SPL) (Absolute value of SPL) (Limit) (Pass/Fail) (k=2) (dB) (dB) (dB) (dB) (dB) (dB) 94 93.93 0.07 ≤0.40 P 0.10 3 频率 (Frequency) 現定频率 調量频率 频率误差的绝对值 允许范围 结论 Unit	Velocity Range (TA410) Range (TA430, TA440) Accuracy (TA430, TA440) Accuracy (TA430, TA440) <sup>10</sup> Resolution Duct Size (TA430, TA44 Dimensions Volumetric Flow Rate (	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 10.025 m/s (±5 tf/min), whichever is greater # 3% of reading or 10.015 m/s (±3 tf/min), whichever is greater 0.01 m/s (1 tf/min)	User selectable External Meter Dir 8.4 cm x 17.8 cm x 4 Meter Weight with	nensions 4 cm (3.3 in. x 2		
2 声压级 (Sound Pressure Level) 現定声压级 测量声压级 声压级差的绝对值 允许范围 结论 U (Prescribed SPL) (Measured SPL) (Absolute value of SPL) (Limit) (Pass/Fail) (k=2) (dB) (dB) (dB) (dB) (dB) (dB) 94 93.93 0.07 ≤0.40 P 0.10 3 频率 (Frequency) 規定频率 测量频率 频率误差的绝对值 允许范围 结论 Ural	Range (TA410) Range (TA430, TA440) Accuracy (TA410) <sup>162</sup> Accuracy (TA430, TA440) <sup>16</sup> Resolution <b>Duct Size (TA430, TA44</b> Dimensions <b>Volumetric Flow Rate (</b>	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 <sup>24</sup> ±3% of reading or ±0.015 m/s (±3 ft/min), whichever is greater 0.01 m/s (1 ft/min) <b>0</b> )	User selectable External Meter Dir 8.4 cm x 17.8 cm x 4 Meter Weight with	nensions 4 cm (3.3 in. x 2		
<ul> <li>規定声压级 测量声压级 声压级差的绝对值 允许范围 结论 U</li> <li>(Prescribed SPL) (Measured SPL) (Absolute value of SPL) (Limit) (Pass/Fail) (k=2)</li> <li>(dB) (dB) (dB) (dB) (dB)</li> <li>94 93.93 0.07 ≤0.40 P 0.10</li> <li>3 频率 (Frequency)</li> <li>規定频率 测量频率 频率误差的绝对值 允许范围 结论 Ural</li> </ul>	Range (TA410) Range (TA430, TA440) Accuracy (TA410) <sup>162</sup> Accuracy (TA430, TA440) <sup>16</sup> Resolution <b>Duct Size (TA430, TA44</b> Dimensions <b>Volumetric Flow Rate (</b>	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 <sup>24</sup> ±3% of reading or ±0.015 m/s (±3 ft/min), whichever is greater 0.01 m/s (1 ft/min) <b>0</b> )	User selectable External Meter Dir 8.4 cm x 17.8 cm x 4 Meter Weight with	nensions 4 cm (3.3 in. x 2		
(Prescribed SPL)       (Measured SPL)       (Absolute value of SPL)       (Limit)       (Pass/Fail)       (k=2)         (dB)       (dB)       (dB)       (dB)       (dB)         94       93,93       0.07       ≤0.40       P       0.10         3 频率 (Frequency)               規定频率       測量频率       频率误差的绝对值       允许范围       结论       Unit	Accuracy (TA430, TA440) <sup>11</sup> Resolution <b>Duct Size (TA430, TA44</b> Dimensions <b>Volumetric Flow Rate (</b>	<ul> <li>23% of reading or ±0.015 m/s (±3 ft/min), whichever is greater 0.01 m/s (1 ft/min)</li> <li>(0)</li> </ul>	8.4 cm x 17.8 cm x 4. Meter Weight with	4 cm (3.3 in. x 3	70 in v18 in	
(Prescribed SPL)     (Measured SPL)     (Absolute value of SPL)     (Limit)     (Pass/Fail)     (k=2)       (dB)     (dB)     (dB)     (dB)     (dB)       94     93.93     0.07     ≤0.40     P     0.10       3 频率 (Frequency)            規定频率     测量频率     频率误差的绝对值     允许范围     结论     Unit	Resolution Duct Size (TA430, TA44 Dimensions Volumetric Flow Rate (	(±3 ft/min), whichever is greater 0.01 m/s (1 ft/min) (0)	Meter Weight with 0.27 kg (0.6 lbs.)	Ratteries	/.0 III. X 1.0 III.	)
(dB)     (dB)     (dB)     (dB)       94     93.93     0.07     ≤0.40     P     0.10       3 频率 (Frequency)       規定频率     测量频率     频率误差的绝对值     允许范围     结论     Unit	Dimensions Volumetric Flow Rate (		0.27 KB (0.0 IDS.)	Dutteries		
94 93.93 0.07 ≤0.40 P 0.10 3 频率 (Frequency) 规定频率 测量频率 频率误差的绝对值 允许范围 结论 Und	Volumetric Flow Rate (	1 to 635 cm in increments of 0.1 cm (1 to 250 inches in increments of 0.1 in.)				
规定频率 测量频率 频率误差的绝对值 允许范围 结论 Und			Meter Probe Dime Probe Length Probe Diameter of T	101.6 ci ip 7.0 mm	m (40 in.) 1 (0.28 in.)	
MACAT MEANT ALVERTIGE ALLER		FA430, TA440) Actual range is a function of velocity, and duct size	Probe Diameter of B	Dimensions		
MACAT MEANT ALVERTIGE ALLER	Temperature Range (TA410, TA430)	-18 to 93°C (0 to 200°F)	Articulating Section Length Diameter of Articulating Knuckle		ι (7.8 in.) ι (0.38 in.)	
(reschoutres) (neasure rate of res) (cause and cause of res)	Range (TA440) Accuracy <sup>3</sup>	-10 to 60°C (14 to 140°F) ±0.3°C (±0.5°F)	Power Requireme	nts		
(Hz) (Hz) (%) (%) (%)	Resolution	0.1°C (0.1°F)	Four AA-size batteri	es or AC adapte	er	
$1000  1003.7  0.37  \leq 1.00  P  0.10$	Relative Humidity (TA4			TA410	TA430, TA430-A	TA440 TA440
	Range Accuracy4	5 to 95% RH ±3% RH	Velocity range 0 to 20.00 m/s		TA430-A	TA440-
4. 总失真 (Distortion)	Resolution	0.1% RH	(0 to 4000 ft/min) Velocity range			
	Wet Bulb Temperature Range	(TA440 only) 5 to 60°C (40 to 140°F)	0 to 30.00 m/s (0 to 6000 ft/min)		+	+
規定声压级 规定频率 总失真 允许范围 结论 Unit	Resolution	0.1°C (0.1°F)	Temperature	+	+	+
(Prescribed SPL) (Measured Fre.) (Distortion) (Limit) (Pass/Fail) (k=2)	Dew Point (TA440 only		Flow Humidity, wet bulb,		+	+
(dB) (Hz) (%) (%) (%)	Range Resolution	-15 to 49°C (5 to 120°F) 0.1°C (0.1°F)	dew point Probe	Straight	Straight or -A	+ Straight o
94 1000 0.02 ≤3.00 P 5.0	Instrument Temperatu	re Range	Variable time	Suagn	articulated +	articula +
	Operating (Electronics) Model TA410, TA430	5 to 45°C (40 to 113°F) -18 to 93°C (0 to 200°F)	constant Manual data logging		+	+
以下空白/No data hereafter	Operating (Probe) Model TA440	-10 to 60°C (14 to 140°F)	Auto save data logging			+
	Operating (Probe) Storage	-20 to 60°C (-4 to 140°F)	Statistics		+	+
	Data Storage Capabiliti	es (TA430, TA440)	Review data		+	+
	Range	12,700+ samples and 100 test IDs	LogDat2 downloading software		+	+
	Logging Interval (TA43 1 second to 1 hour	0, TA440)	Software Free Certificate of Calibration	+	+	+
	Specifications subject to change with		<sup>1</sup> Temperature compensated o <sup>2</sup> The accuracy statement bep	wer an air temperatu	ire range of 5 to 65%	(40 to 150°F) 15 m/s through
	TSI and the TSI logo are registered tra the Airflow logo and LogDat2 are trac	demarks, and Airflow, lemarks of TSI Incorporated.	for the Model TA410, and 30 Models TA430 and TA440. <sup>9</sup> Accuracy with instrument co for change in instrument ter	I ft/min through 6,00 ase at 25°C (77°F), ad	00 ft/min (0.15 m/s t	hrough 30 m/s
		FLOW UMENTS	<sup>4</sup> Accuracy with probe at 25°C change in probe temperatur	(77°F). Add uncertai	inty of 0.2% RH/°C ( resis.	(0.1% RH/°F) fc
数据页(Data sheet) ID: 013393 第 5 页,共 5 页 Page of	Airflow Instruments, TSI In Visit our website at www.air	struments Ltd. flowinstruments.co.uk for more informatio	n.			

CALIBRATION	Room 2103, Teo Tsuen Wan, NT,	chnology Plaza, 29-35 , Hong Kong 80106 Email: info		Hac MRA		CALIBRATION	Room 2103, Te Tsuen Wan, N	680106 Email: info	5 Sha Tsui Road,	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	ACCREDITED Certifiate #3815.01
Calibration Certifica Customer Information Customer: Castco Address: 33 On		nited				Customer Informa Customer: Ca	ficate No.: CC03322 tion stco Testing Centre Lir On Kui Street, Fanling	nited			
Equipment Identificat Equipment Description		rer Model No.	Serial No.		gned equipment No.:	Equipment Identit Equipment Descri	tion Manufactu		Serial No.		igned equipment No
Air Velocity Meter	TSI	TA440	TA44012320	05 AAST	r-FLOW-02	Air Velocity Meter	TSI	TA440	TA4401706	5003 AAS	ST-FLOW-03
Certificate Informatio Date of Receipt: Date of Calibration: Due Date of Calibratio Calibration Procedure	21 January 25 January on: N/A		Calibration Con Adjustment: Appearance: Remark:	dition: 24.3°C, N/A Good N/A	, 53%RH, 1008hPa	Certificate Inform Date of Receipt: Date of Calibratio Due Date of Calib Calibration Proce	n: 21 January 25 January ration: N/A		Calibration Co Adjustment: Appearance: Remark:	ndition: 24.3% N/A Good N/A	C, 53%RH, 1008hPa
Reference Equipmen	t Identification						nent Identification			_	
Equipment Description	n	Model	Serial No. T95351316004		iration Date July 2022	Equipment Descr Hot Wire Anemo		Model 9535	Serial No. T95351316004		piration Date July 2022
Hot Wire Anemomete	er	9535	195551510004	117	any Local	not wre Alenio		5555			
<b>Result of Calibration</b>						Result of Calibrat	ion				
Air Flow Rate			(In such takes	Technical	Technical	Air Flow Rate	Measured		Uncertainty	Technical	Technical
Reference Reading (m/c)	Measured Reading (m/s)	Error (%)	Uncertainty (%FS)	Technical Requirement	Reference Doc.	Reference Reading (m/s)	Reading (m/s)	Error (%)	(%FS)	Requirement	Reference Doc.
Reading (m/s) 0.00	0.00	N/A	3.6	± 3%	Mfr's Spec.	0.00	0.00	N/A	3.6	± 3%	Mfr's Spec.
0.51	0.50	-2.0	3.6	± 3%	Mfr's Spec.	0.51	0.50	-2.0	3.6	± 3%	Mfr's Spec.
5.02	4.89	-2.6	3.6	± 3%	Mfr's Spec.	5.02	4.89	-2.6	3.6 3.6	± 3% ± 3%	Mfr's Spec. Mfr's Spec.
10.03	9.74	-2.9	3.6	± 3%	Mfr's Spec. CT-AFR-01	10.03	10.05	2.0	3.6	1 3%	CT-AF
of confidence of 95%. A Note2: The standard (s) and ins	coverage factor of 2 is assu trument used in the calibr tion. is certificate refer to the c	umed unless explicitly stated. ration are traceable to nationa condition of the instrument or	al or international recognized st	andard and are calibrate	internal estimated to have a level ed on a schedule to maintain the ling the long term stability of the sheed.	of confidence of 95 Note2: The standard (s) ar accuracy and good Note3: The result reported instrument.	%. A coverage factor of 2 is assu d instrument used in the calib condition. In this certificate refer to the this calibration certificate relat	ration are traceable to nationa condition of the instrument on te only to the item calibrated, a	I or international recognized the date of calibration and o nd the result only applies to t	standard and are calibrat carry no implication regar he calibration item as reco	ted on a schedule to maintai rding the long term stability o
	Check	ked and Approved B	By: Company	r Chop:	王 定 室 回 g	Calibrated By:	Check	ked and Approved B MW Jef	y: Compar	ny Chop:	(正) (正) (注) (注) (注) (注) (注) (注) (注) (注) (注) (注

Appendix K – Noise monitoring results and graphical presentation

	Temp	Weathan			Measure	ed Noise Le	vel at M11	, dB(A)		<b>T</b> · · ·
Date	(°C)	Weather	]	Гir	ne	Baseline	$L_{Aeq}$	L <sub>A10</sub>	L <sub>A90</sub>	Limit
03/10/2022	32.2	Sunny	11:30	-	12:00	68.3	71.6	75.4	60.7	75
14/10/2022	30.6	Sunny	14:34	-	15:04	68.3	73.9	76.8	62.8	75
20/10/2022	26.0	Sunny	15:21	-	15:51	68.3	70.4	73.7	60.9	75
26/10/2022	25.4	Sunny	9:41	-	10:11	68.3	70.9	73.9	61.2	75
					Maximum		73.9			
							70.4			
					Average		71.9			

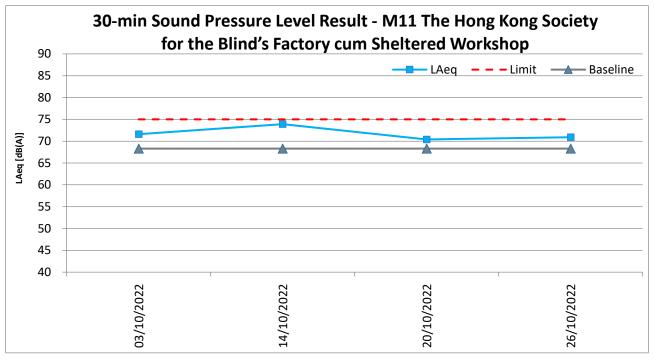
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

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.

	Temp	XX7 (1			Measure	ed Noise Le	vel at M12	, dB(A)		<b>T</b> · · ·
Date	(°C)	Weather	r	Гir	ne	Baseline	L <sub>Aeq</sub>	L <sub>A10</sub>	L <sub>A90</sub>	Limit
03/10/2022	32.2	Sunny	13:46	-	14:16	61.9	65.7	67.5	63.6	75
14/10/2022	30.6	Sunny	10:56	-	11:26	61.9	64.5	66.6	61.9	75
20/10/2022	26.0	Sunny	10:59	-	11:29	61.9	63.9	65.9	61.3	75
26/10/2022	25.4	Sunny	14:07	-	14:37	61.9	65.5	67.4	62.7	75
				Maximum						
			Minimum				63.9			
					Average		65.0			

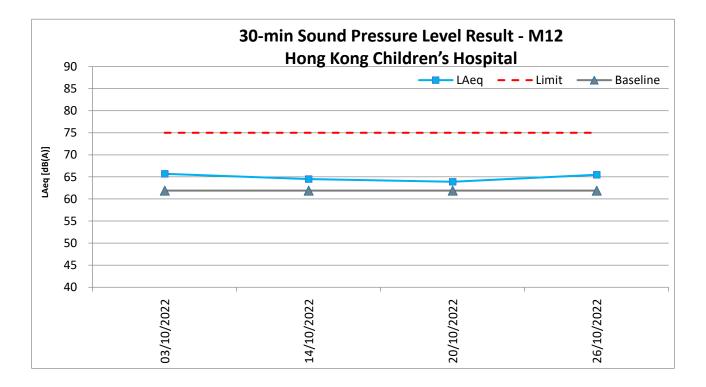
M12 - Hong Kong Children's Hospital

L<sub>Aeq</sub>, 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 L – Event and Action Plan for noise

E-ror4		Act	tion	
Event	ЕТ	IEC	Supervisor / ER	Contractor
Action Level being exceeded	<ol> <li>Notify Supervisor / ER, IEC and Contractor;</li> <li>Carry out investigation;</li> <li>Report the results of investigation to the IEC, Supervisor / ER and Contractor;</li> <li>Discuss with the IEC and Contractor on remedial measures required;</li> <li>Increase monitoring frequency to check mitigation effectiveness.</li> <li>(The above actions should be taken within 2 working days after the exceedance is</li> </ol>	<ol> <li>Review the investigation results submitted by the ET;</li> <li>Review the proposed remedial measures submitted by the Contractor and advise the ER accordingly;</li> <li>Advise the Supervisor / ER on the proposed remedial measures.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified.)</li> </ol>	3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;	<ol> <li>Submit noise mitigation proposal to IEC and Supervisor / ER;</li> <li>Implement noise mitigation proposals.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified.)</li> </ol>
Limit Level being exceeded	<ol> <li>identified.)</li> <li>Inform IEC, Supervisor /ER, Contractor and EPD;</li> <li>Repeat measurement to confirm findings;</li> <li>Increase monitoring frequency;</li> <li>Identify source and investigate the cause of exceedance;</li> <li>Carry out analysis of Contract's working procedure;</li> <li>Discuss remedial measures required with the IEC, Contractor and Supervisor /ER;</li> <li>Assess effectiveness of</li> </ol>	<ol> <li>Discuss the potential remedial actions with Supervisor /ER, ET and Contractor;</li> <li>Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the Supervisor /ER accordingly.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified.)</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Supervise the implementation of remedial measures;</li> <li>If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC and Supervisor /ER within 3 working days of notification;</li> <li>Implement the agreed proposal;</li> <li>Submit further proposal if problem still not under control;</li> <li>Stop the relevant portion of works as instructed by the Supervisor /ER until the exceedance is abated.</li> <li>(The above actions should be</li> </ol>

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

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

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

**Appendix N – Waste Flow Table** 



#### Appendix F - Monthly Summary Waste Flow Table

Name of Department: CEDD

#### Contract No.: ED/2018/01

	Monthly Summary Waste								bw Table for October 2022					
	Ac	tual Quantitie	es of Inert C&	D Materials Ge	nerated I	Monthly	1			Actual Quantitie	es of C&D Was	tes Generated M	lonthly	1
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contrac	Reused in other Projec	as F	osed Public Fill	Import Fill		Metals	Paper / cardboard packaging	Plastics (see Note	3) Chemical W	others aste gene refu	eral
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )		in 0m³)	in) 000m'	1 <sup>3</sup> )	(in '000 kg)	) (in '000kg)	(in '000kg	) (in '000kg	) (in '00	)0m <sup>3</sup> )
Jan	0.832				0.8	832				0.100			0.1	41
Feb	0.749		0.450		0.2	299							0.1	24
Mar	0.768				0.1	768							0.1	51
Apr	0.488				0.4	488							0.1	67
May	2.547				2.5	547							0.1	88
Jun	2.653		0.442		2.2	211	0.256	6					0.1	78
Sub-total	8.037		0.892		7.	145	0.256	6		0.100			0.9	49
July	3.259					259							0.1	
Aug	2.432				2.4	432	0.150	0		0.118			0.2	
Sep	2.465		0.350		******	115	0.150	0					0.1	
Oct	5.054		0.658		4.3	396							0.2	.03
Nov														
Dec								_						
Total	21.247		1.900			.338	0.556			0.218			1.7	19
Forecast of Total Quantities of C&D Materials to be Generated from the Contract*														
Total Quantity Generate	U U	oken the Co			osed as blic Fill	Import	ted Fill	Me	etals	Paper / cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e general ref	•
(in '000m <sup>3</sup>	<sup>3</sup> ) (in '000r	m³) (in '00	00m <sup>3</sup> ) (in '	000m <sup>3</sup> ) (in	000m <sup>3</sup> )	(in '00	00m <sup>3</sup> )	(in '0	00 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m	1 <sup>3</sup> )
195.01	2.103	3 10	.2	140 1	9.81	2	5	2	00	0.8	0.1		3.4	

#### Monthly Summary Waste Flow Table for October 2022

Notes: (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

(3) 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 50,000m<sup>3</sup> (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 m³/ton and 1.5 m³/ton

**Appendix O – Environmental Mitigation Implementation Schedule** 

(EMIS)

EIA for KTD Development	EIA for KTD – Roads D3A	Air Quality Measures Environmental Protection Measures / Mitigation Measures	Status
<b>Ref.</b>	& D4A Ref.	8 times daily watering of the work site with active dust emitting	^
55.2		activities.	
53.2	S4.8		^
55.2	54.0	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	^
		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	^
		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	^*
		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	^
		from its body and wheels before leaving the construction sites.	

EIA for KTD	n Schedule for EIA for KTD	Environmental Protection Measures / Mitigation Measures	Status
Development Ref.	<ul> <li>– Roads D3A</li> <li>&amp; D4A Ref.</li> </ul>		
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	^
		plant should be serviced regularly during the construction	
		program.	
		- Silencers or mufflers on construction equipment should be	^
		utilized and should be properly maintained during the	
		construction program.	
		- Mobile plant, if any, should be sited as far away from NSRs as	^
		possible.	
		- Machines and plant (such as trucks) that may be in intermittent	^
		use should be shut down between works periods or should be	
		throttled down to a minimum.	
		- Plant known to emit noise strongly in one direction should,	^
		wherever possible, be orientated so that the noise is directed	
		away from the nearby NSRs.	
		- 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	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
S3.4		<u>Construction Runoff</u> 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.	^
S3.4		- adequate maintenance of drainage systems to prevent flooding and overflow.	^

EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.		Environmental Protection Measures / Mitigation Measures	Status
	S5.8	-	Surface run-off from construction sites should be discharged	^ <b>*</b>
			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	^
			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	

Implementatio	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
		sewerage system.	
	S5.8	- Good site practices should be adopted to remove rubbish and	^
		litter from construction sites so as to prevent the rubbish and	
		litter from spreading from the site area. It is recommended to	
		clean the construction sites on a regular basis.	
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.	
\$3.4	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	

sand and fill material) of more than 50 m³ should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.\$3.4Manholes (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.^\$3.4Precautions to be taken at any time of year when rainstorms are likely, 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.NA\$3.4Oil interceptors should be provided in the drainage system and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain.^\$3.4S5.8Wheel 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 roads and drains.^	Implementatio	on Schedule for `	Water Quality Measures	
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			backfall toward the wheel-wash bay to prevent vehicle tracking of	
S3.4 Drainage			soil and silty water to public roads and drains.	
	S3.4		Drainage	^
It is recommended that on-site drainage system should be installed			It is recommended that on-site drainage system should be installed	
prior to the commencement of other construction activities.			prior to the commencement of other construction activities.	
Sediment traps should be installed in order to minimise the sediment			Sediment traps should be installed in order to minimise the sediment	
loading of the effluent prior to discharge into foul sewers. There			loading of the effluent prior to discharge into foul sewers. There	
should be no direct discharge of effluent from the site into the sea.			should be no direct discharge of effluent from the site into the sea.	
S3.4 All temporary and permanent drainage pipes and culverts provided ^	S3.4		All temporary and permanent drainage pipes and culverts provided	^

EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
Kel.	a D4A Kei.	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.	
\$3.4		All fuel tanks and storage areas should be provided with locks and	^
55.1		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	^
55.4	55.0	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.	
\$3.4		Stormwater Discharges	^
		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	^
		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 Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	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	^
	2010	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 <b>`</b>	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	^
		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	^
		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	^
		adequate space should be allocated to the storage area.	

Implementatio	on Schedule for V	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:	
\$3.5		<ul> <li>Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site.</li> </ul>	^
	S6.7	<ul> <li>Prepare a Waste Management Plan, which becomes a part of the Environmental Management Plan, in accordance with the requirements stipulated in ETWB TC(W) No. 19/2005, approved by the Engineer/Supervising Officer of the Project based on current practices on construction sites.</li> </ul>	^
S3.5	S6.7	- Training of site personnel in proper waste management and chemical waste handling procedures.	٨

Implementatio	on Schedule for V	Waste Management Measures	
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.5	S6.7	- Provision of sufficient waste disposal points and regular	^*
		collection for disposal.	
S3.5	S6.7	- Appropriate measures to minimise windblown litter and dust	^
		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,	^
		recycled and disposed of (including the disposal sites).	
	S6.7	- Regular cleaning and maintenance programme for drainage	^
		systems, sumps and oil interceptors.	
	S6.7	- Training should be provided to workers about the concepts of	^
		site cleanliness and appropriate waste management procedures,	
		including waste reduction, reuse and recycle.	
S3.5		Waste Reduction Measures	^
		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	
		waste reduction include:	
S3.5	S6.7	- Sort C&D waste from demolition of the remaining structures to	NA
		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.	
\$3.5		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:	
\$3.5		- Where it is unavoidable to have transient stockpiles of C&D	^
55.5		material within the Project work site pending collection for	
		material within the ridget work site pending concettoil for	

Implementation Schedule for Waste ManagemEIA for KTDEIA for KTDEnvironmenDevelopment– Roads D3A–Ref.& 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.		
\$3.5		- 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.		
\$3.5		- 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.		
\$3.5		- 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	^	
		amount of waste generated and avoid unnecessary generation		

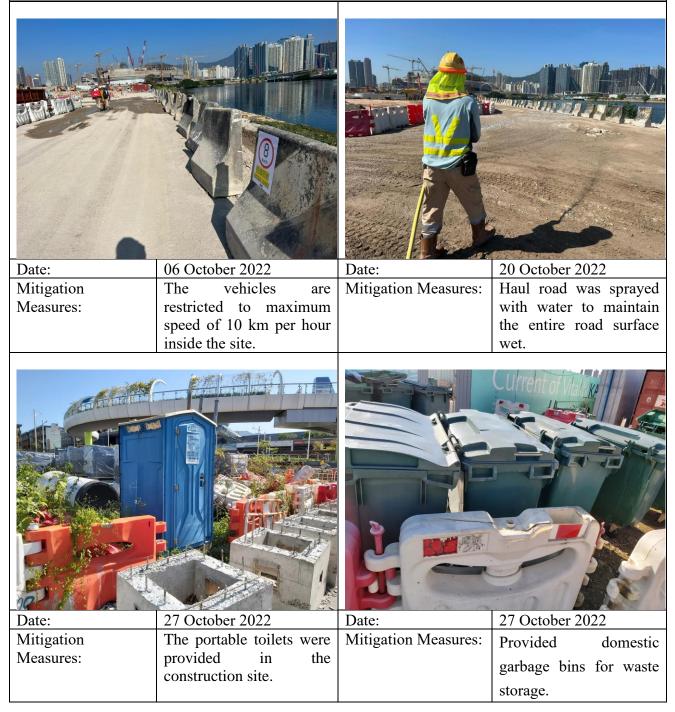
EIA for KTD Development Ref.	Development – Roads D3A		Status	
		of waste.		
S3.5		Chemical Waste	^	
		After use, chemical wastes (for example, cleaning fluids, solvents,		
		lubrication oil and fuel) should be handled according to the Code of		
		Practice on the Packaging, Labelling and Storage of Chemical		
		Wastes. Spent chemicals should be collected by a licensed collector		
		for disposal at the CWTF or other licensed facility, in accordance		
		with the Waste Disposal (Chemical Waste) (General) Regulation.		
	S6.7	Separation of chemical wastes for special handling and appropriate	^	
		treatment.		
S3.5		General Refuse	^	
		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.		

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	
\$3.8.12		All existing trees should be carefully protected during construction.	^	
\$3.8.12		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.	^	
S3.8.12		Erection of decorative screen hoarding.	^	
	S7.9	<ul> <li><u>Construction Site Control</u></li> <li>CM1 - Minimized construction area and contractor's temporary works areas.</li> </ul>	^	
		<ul> <li>CM2- Control of night-time lighting and glare by hooding all lights.</li> <li>CM3 - Erection of decorative mesh screens or construction</li> </ul>	^	

Implementation Schedule for Landscape and Visual Measures				
EIA for KTD Development Ref.	evelopment – Roads D3A		Status	
		hoardings around works areas in visually unobtrusive colours.		
- CM4 - Reduction of construction period t		- CM4 - Reduction of construction period to practical minimum.	^	
		- CM5 - Limitation of / Ensuring no run-off into surrounding landscape and adjacent seawater areas.	٨	
- 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.	Х	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



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

## **Reporting Month: October 2022**

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 upto reporting month

Contract No.	Record of Complaint	<b>Record of Warning</b>	Notification of Summons and Successful Prosecutions
ED/2018/01	3	0	0

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status	
C0001	A dust complaint was referred from the Contractor on 21 October 2020 regarding a pubic complaint via 1823 hotline (Case no. 3-6518939602) on 20 October 2020.	<ol> <li>The water spraying system was not operated in proper time.</li> <li>Stockpile was not covered properly.</li> <li>Haul road was not wetted.</li> <li>Materials transported on trucks were not provided with mechanical covers.</li> </ol>	1. Based on the information provided by the Contractor on 22 October 2020, the water sprinklers system was sprayed every 15	<ul> <li>Closed-out on 5 Nov 2020</li> <li>No further complaint was received.</li> </ul>	

Complaint	omplaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status	
			As per the Contractor, the water sprinkler are now adjusted to start at 8:00am and end at 6:00pm for Monday to Saturday while from 8:00am to 5:00pm on Sunday. Water spraying are set with 5-minute time interval with duration 30-60 seconds.		
C0002	A dust complaint was referred from the Contractor on 8 September 2021 through E-Mail regarding a complaint received by EPD (EPD ref.: K19/RE/00021205-21) on 7 September 2021.	Complaint of dust problem at the pavement of Muk Tai Street near Sports Park.	<ul> <li><u>Investigation</u></li> <li>As per contractor, part of the complaint area was within the site boundary of the project.</li> <li>Manual water spraying was provided.</li> <li>The exposed surface and stockpile areas were covered by the impermeable tarpaulin sheet.</li> <li><u>Recommendations</u></li> <li>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:</li> <li>1. Ensure stockpiling sites should be lined with impermeable sheeting and bunded.</li> <li>2. Stockpiles should be fully covered by impermeable sheeting at all time except during working process.</li> <li>3. Ensure the work fulfill the relevant statutory requirements on control of air pollution.</li> <li>4. Take necessary measures to minimize the environmental nuisance arising from the construction site.</li> <li><u>Action taken</u></li> <li>The exposed surface and stockpile area was covered by the impermeable tarpaulin sheet.</li> </ul>	<ul> <li>Closed-out on 4 Oct 2021</li> <li>No further complaint was received.</li> </ul>	
C0003	A water discharge complaint was referred from the Contractor on	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.	<u>Investigation</u> Joint site inspection was conducted by ER, IEC, ET and the contractor on 14 December 2021, no	- Closed-out on 5 Jan 2022	

Complaint	Log for ED/2018/01			
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status
	10 December 2021 through E-Mail regarding a complaint received by EPD (ref.: K19/RE/00029046-21) on 9 December 2021.		<ul> <li>adverse observation against the water impact was recorded.</li> <li>There was no muddy water discharge to DSD outfall near the roundabout of Shing Fung Road.</li> <li>The sand bag with layers and filter were provided at the manholes.</li> <li><u>Recommendations</u> 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 sand bag and filter to ease the nuisance. The contractor is recommended to implement the following measures to minimize the impact for waste water: <ul> <li>Enhance the sand bag with several layers instead of one layer only and replace the filter frequently.</li> <li>Modify the wheel washing area such that the muddy water will be directly flow to the pit and then waste water treatment facility. <li>Take necessary measures to minimize the environmental nuisance arising from the construction site.</li> </li></ul> Action taken <ul> <li>Sand bags and filter were used to block the manholes.</li> <li>Manholes had been adequately covered and replace the filter frequently.</li> </ul></li></ul>	- No further complaint was received.