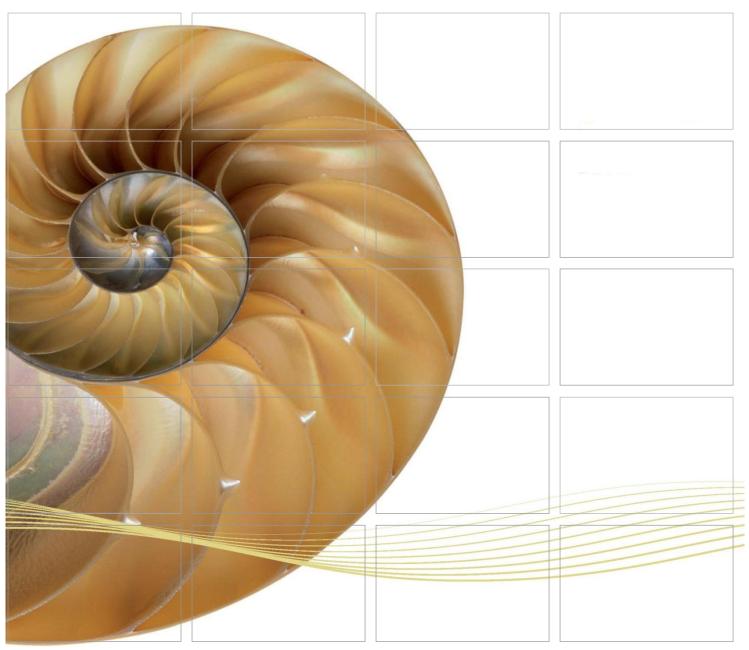
### REPORT



Contract No. HY/2017/10 Tuen Mun – Chek Lap Kok Link – Northern Connection Tunnel Buildings, Electrical and Mechanical Works

# Eleventh Monthly EM&A Report

14 May 2019

Environmental Resources Management 2507, 25/F One Harbourfront 18 Tak Fung Street Hunghom, Kowloon Hong Kong Telephone 2271 3000 Facsimile 2723 5660



www.erm.com



# Contract No. HY/2017/10 Tuen Mun – Chek Lap Kok Link – Northern Connection Tunnel Buildings, Electrical and Mechanical Works

# Environmental Resources Management

2507, 25/F One Harbourfront 18 Tak Fung Street Hunghom, Kowloon Hong Kong Telephone: (852) 2271 3000 Facsimile: (852) 2723 5660 E-mail: post.hk@erm.com http://www.erm.com

# Eleventh Monthly EM&A Report

# Document Code: 0463091\_11th Monthly EM&A\_20190514.doc

| Client:                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                   | Project N                                                                      | 0:         |                      |                              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------|----------------------|------------------------------|--|
| Gammon                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                   |                                                                                | 1          |                      |                              |  |
| Summary                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                   | Date:                                                                          |            |                      |                              |  |
| -                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                   | 14 May                                                                         | 2019       |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                   | Approved                                                                       |            |                      |                              |  |
| This document presents the Eleventh Monthly EM&A Report for<br>Tuen Mun – Chek Lap Kok Link – Northern Connection Tunnel<br>Buildings, Electrical and Mechanical Works.                                                                                                                                                                                               |                                                                                                                   |                                                                                | 2. R.S     |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                   | Mr Crai                                                                        |            |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                   | Partner                                                                        | 0          |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                   |                                                                                | by:        |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                   | Jamin                                                                          |            |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                   | Dr Jasn                                                                        | nine Ng    |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                   | ET Leade                                                                       | ər         |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                   |                                                                                |            |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                   |                                                                                |            |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       | Eleventh Monthly EM&A Report                                                                                      | CY                                                                             | JN         | CAR                  | 14/5/19                      |  |
| Revision                                                                                                                                                                                                                                                                                                                                                              | Description                                                                                                       | Ву                                                                             | Checked    | Approved             | Date                         |  |
| This report has been prepared by Environmental Resources Management the trading name of<br>'ERM Hong-Kong, Limited', with all reasonable skill, care and diligence within the terms of the<br>Contract with the client, incorporating our General Terms and Conditions of Business and<br>taking account of the resources devoted to it by agreement with the client. |                                                                                                                   | Distribution Distribution Internal OHSAS 18001-2007 Certificate No. OHS 515956 |            |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       | We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above. |                                                                                | 🛛 Public   |                      |                              |  |
|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                   |                                                                                | nfidential | ISO 9<br>Certificate | 001 : 2008<br>2 No. FS 32515 |  |





### Ref.: HYDHZMBEEM00\_0\_7396L.19

16 May 2019

By Fax (2783 0155) and By Post

AECOM Asia Company Limited Supervising Officer's Representative Office No. 8 Mong Fat Street, Tuen Mun, New Territories, Hong Kong

Attention: Mr. Desmond Fung

Dear Mr. Fung,

## Re: Agreement No. CE 48/2011 (EP) Environmental Project Office for the HZMB Hong Kong Link Road, HZMB Hong Kong Boundary Crossing Facilities, and Tuen Mun-Chek Lap Kok Link – Investigation

## Contract No. HY/2017/10 TM-CLKL – Northern Connection Tunnel Buildings, E&M Works <u>11<sup>th</sup> Monthly EM&A Report for April 2019</u>

Reference is made to the Environmental Team's submission of the monthly EM&A report for April 2019 (ET's ref.: "0463091\_11th Monthly EM&A\_20190514.doc" dated 14 May 2019) certified by the ET Leader and provided to us via e-mail on 16 May 2019.

Please be informed that we have no adverse comments on the captioned submission. We write to verify the captioned submission in accordance with Condition 4.4 of EP-354/2009/D.

Thank you for very much your attention. Please feel free to contact the undersigned or the ENPO Leader, Mr. Y H Hui, should you require further information.

Yours sincerely, For and on behalf of Ramboll Hong Kong Limited

A BROT

F. C. Tsang Independent Environmental Checker Tuen Mun-Chek Lap Kok Link

c.c.

| HyD    | Mr. Patrick Ng | (By Fax: 3188 6614) |
|--------|----------------|---------------------|
| HyD    | Mr. Cheng Pan  | (By Fax: 3188 6614) |
| AECOM  | Mr. Conrad Ng  | (By Fax: 3922 9797) |
| ERM    | Dr. Jasmine Ng | (By Fax: 2723 5660) |
| Gammon | Mr. Max Poon   | (By Fax: 3520 0486) |

Internal: DY, YH, RY, DF, HW, ENPO Site

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Ramboll Hong Kong Limited 英環香港有限公司

21/F, BEA Harbour View Centre, 56 Gloucester Road, Wan Chai, Hong Kong Tel: 852.3465 2888 Fax: 852.3465 2899 www.ramboll.com

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Under *Contract No. HY/2017/10*, Gammon Construction Limited (GCL) is commissioned by the Highways Department (HyD) to undertake Northern Connection Tunnel Buildings, Electrical and Mechanical Works of the Tuen Mun – Chek Lap Kok Link Project (TM-CLK Link Project) while AECOM Asia Company Limited was appointed by HyD as the Engineer. For implementation of the environmental monitoring and audit (EM&A) programme under the Contract, ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET) in accordance with *Environmental Permit No. EP-354/2009/A*. Ramboll Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO). Subsequent applications for variation of environmental permits (VEP), *EP-354/2009/B*, *EP-354/2009/C* and *EP-354/2009/D*, were granted on 28 January 2014, 10 December 2014 and 13 March 2015, respectively.

The construction phase of the Contract commenced on 7 June 2018 and will tentatively be completed by 2021. The impact monitoring of the EM&A programme, including air quality and environmental site inspections, were commenced on 7 June 2018.

This is the eleventh Monthly EM&A report presenting the EM&A works carried out during the period from 1 to 30 April 2019 for the *Contract No. HY*/2017/10 *Northern Connection Tunnel Buildings, Electrical and Mechanical Works* (the "Contract") in accordance with the Updated EM&A Manual of the TM-CLK Link Project. As informed by the Contractor, major activities in the reporting period included:

# Land-based Works

- Electrical and Mechanical Works and Architectural Builders Work and Finishes at Toll Control Building;
- Electrical and Mechanical Works at Ventilation Plant Room;
- Electrical and Mechanical Works at North Ventilation Building;
- Building Structure at Administration Building;
- Building Structure at Maintenance Depot;
- Building Structure at Fire Services Department Building;
- Building Structure at Customs and Excise Department Building; and
- Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2;

- Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Underpass at C3 area;
- Electrical and Mechanical Works at the Tunnel; and
- Excavation and Building Structure at Satellite Control Building

A summary of monitoring and audit activities conducted in the reporting period is listed below <sup>(1)</sup>:

| 24-hour TSP Monitoring              | 10 sessions |
|-------------------------------------|-------------|
| 1-hour TSP Monitoring               | 10 sessions |
| Landfill Gas Hazard Monitoring      | 22 days     |
| Joint Environmental Site Inspection | 4 sessions  |

Summary of Breaches of Action/Limit Levels

Breaches of Action and Limit Levels for Air Quality

No exceedance of 1-hour TSP and 24-hour TSP Action and Limit Levels was recorded by the Environmental Team of Contract No. *HY/2012/08* during the reporting period.

Breaches of Action and Limit Levels for Landfill Gas Hazard Monitoring

No exceedance of Action and Limit Levels was recorded for landfill gas hazard monitoring in the reporting month.

# Environmental Complaints, Non-compliance & Summons

There was no environmental complaint, notification of summons or successful prosecution recorded in the reporting period.

# Reporting Change

There was no reporting change in the reporting period.

# Upcoming Works for the Next Reporting Month

Works to be undertaken in the next monitoring period of May 2019 include the following:

# Land-based Works

• Electrical and Mechanical Works and Architectural Builders Work and Finishes at Toll Control Building;

ET justification on the Contract Specific Environmental Monitoring and Audit activities under this Contract was submitted to ENPO on 11 September 2018

- Electrical and Mechanical Works at Ventilation Plant Room;
- Electrical and Mechanical Works at North Ventilation Building;
- Building Structure at Administration Building;
- Building Structure at Maintenance Depot;
- Building structure at Fire Services Department Building;
- Building Structure at Customs and Excise Department Building;
- Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2; and
- Electrical and Mechanical Works at the Tunnel;
- Electrical and Mechanical Works and Architectural Builders Work and Finishes at underpass at C3 area; and
- Building Structure at Satellite Control Building

# Future Key Issues

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of May 2019 are mainly associated with dust and waste management issues.

## 1.1 BACKGROUND

According to the findings of the Northwest New Territories (NWNT) Traffic and Infrastructure Review conducted by the Transport Department, Tuen Mun Road, Ting Kau Bridge, Lantau Link and North Lantau Highway would be operating beyond capacity after 2016. This forecast has been based on the estimated increase in cross boundary traffic, developments in the Northwest New Territories (NWNT), and possible developments in North Lantau, including the Airport developments, the Lantau Logistics Park (LLP) and the Hong Kong – Zhuhai – Macao Bridge (HZMB). In order to cope with the anticipated traffic demand, two new road sections between NWNT and North Lantau – Tuen Mun – Chek Lap Kok Link (TM-CLKL) and Tuen Mun Western Bypass (TMWB) are proposed.

An Environmental Impact Assessment (EIA) of TM-CLKL (the Project) was prepared in accordance with the EIA Study Brief (No. ESB-175/2007) and the *Technical Memorandum of the Environmental Impact Assessment Process (EIAO-TM*). The EIA Report was submitted under the Environmental Impact Assessment Ordinance (EIAO) in August 2009. Subsequent to the approval of the EIA Report (EIAO Register Number AEIAR-146/2009), an Environmental Permit (EP-354/2009) for TM-CLKL was granted by the Director of Environmental Protection (DEP) on 4 November 2009, and EP variation (VEP) (EP-354/2009/A) was issued on 8 December 2010. Subsequent applications for variation of environmental permits (VEPs), *EP-354/2009/B, EP-354/2009/C* and *EP-354/2009/D*, were granted on 28 January 2014, 10 December 2014 and 13 March 2015, respectively.

Under *Contract No. HY/2017/10*, Gammon Construction Limited (GCL) is commissioned by the Highways Department (HyD) to undertake the Northern Connection Tunnel Buildings, Electrical and Mechanical Works of TM-CLKL while AECOM Asia Company Limited was appointed by HyD as the Engineer. For implementation of the environmental monitoring and audit (EM&A) programme under the Contract, ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET). Ramboll Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO).

The construction phase of the Contract commenced on 7 June 2018 and will be tentatively completed by 2021. The impact monitoring phase of the EM&A programme, including air quality and environmental site inspections, commenced on 7 June 2018.

The general layout plan of the Contract components is presented in *Figures 1.1* & 1.2a to c.





TUEN MUN -CHEK LAP KOK LINK

CONTRACT TITLE TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TUNNEL BUILDINGS, ELECTRICAL AND MECHANICAL WORKS CLIENT





#### CONSULTANT

AECOM Asia Company Ltd. www.aecom.com

SUB-CONSULTANTS 分月工作新闻公司

# Figure 1.1

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### STATUS

SCALE

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MILLIMETRES

KEY PLAN

PROJECT NO.

CONTRACT NO.

60240249

HY/2017/10

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

60240249/C4/7051A





TUEN MUN -CHEK LAP KOK LINK

CONTRACT TITLE TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TUNNEL BUILDINGS, ELECTRICAL AND MECHANICAL WORKS

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# Figure 1.2a

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### STATUS

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KEY PLAN

### PROJECT NO.

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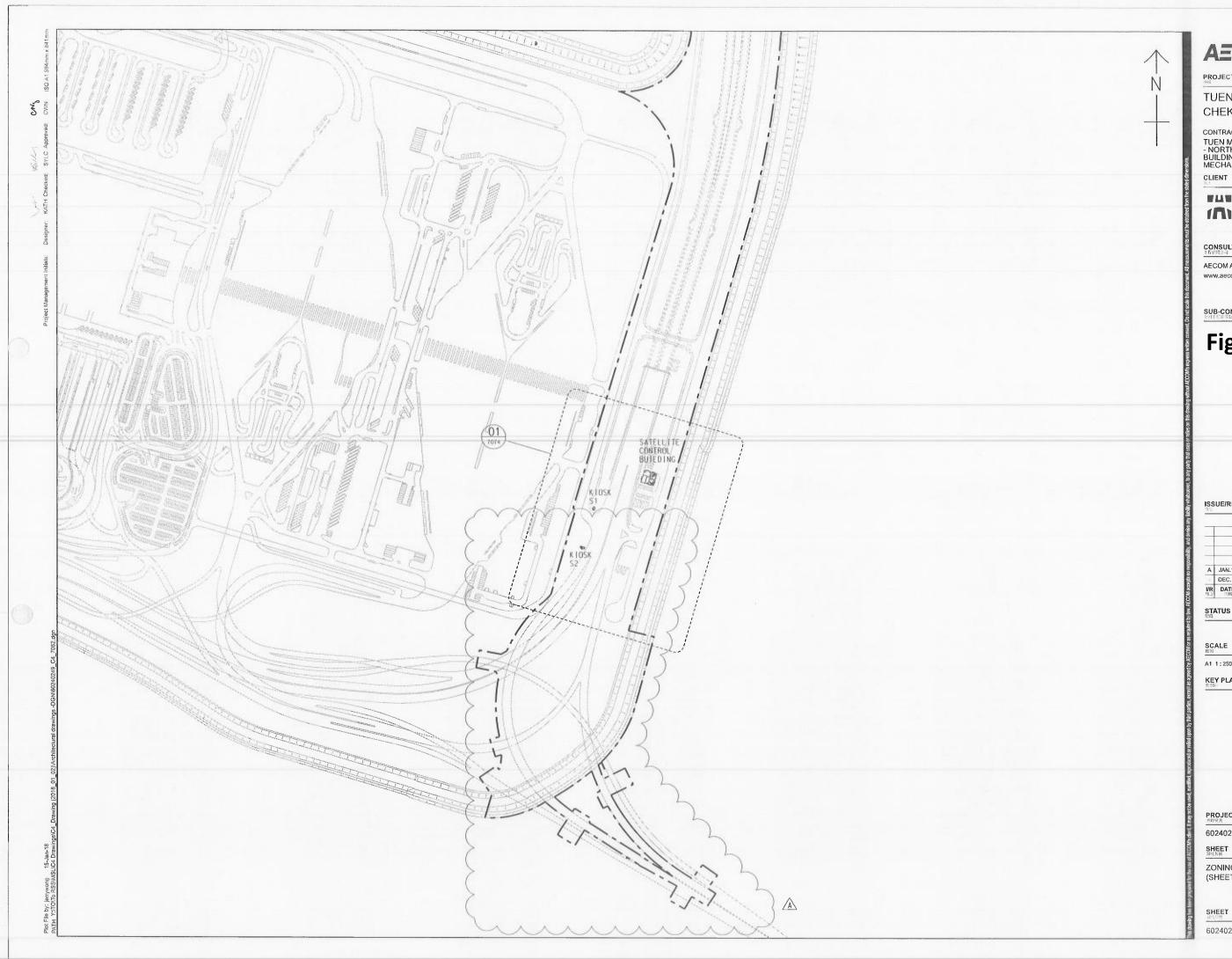
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### SHEET TITLE

ZONING PLAN (SHEET 1)

# SHEET NUMBER

60240249/C4/7061A





TUEN MUN -

# CHEK LAP KOK LINK

CONTRACT TITLE TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TUNNEL BUILDINGS, ELECTRICAL AND MECHANICAL WORKS

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# Figure 1.2b

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### STATUS

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# PROJECT NO.

60240249

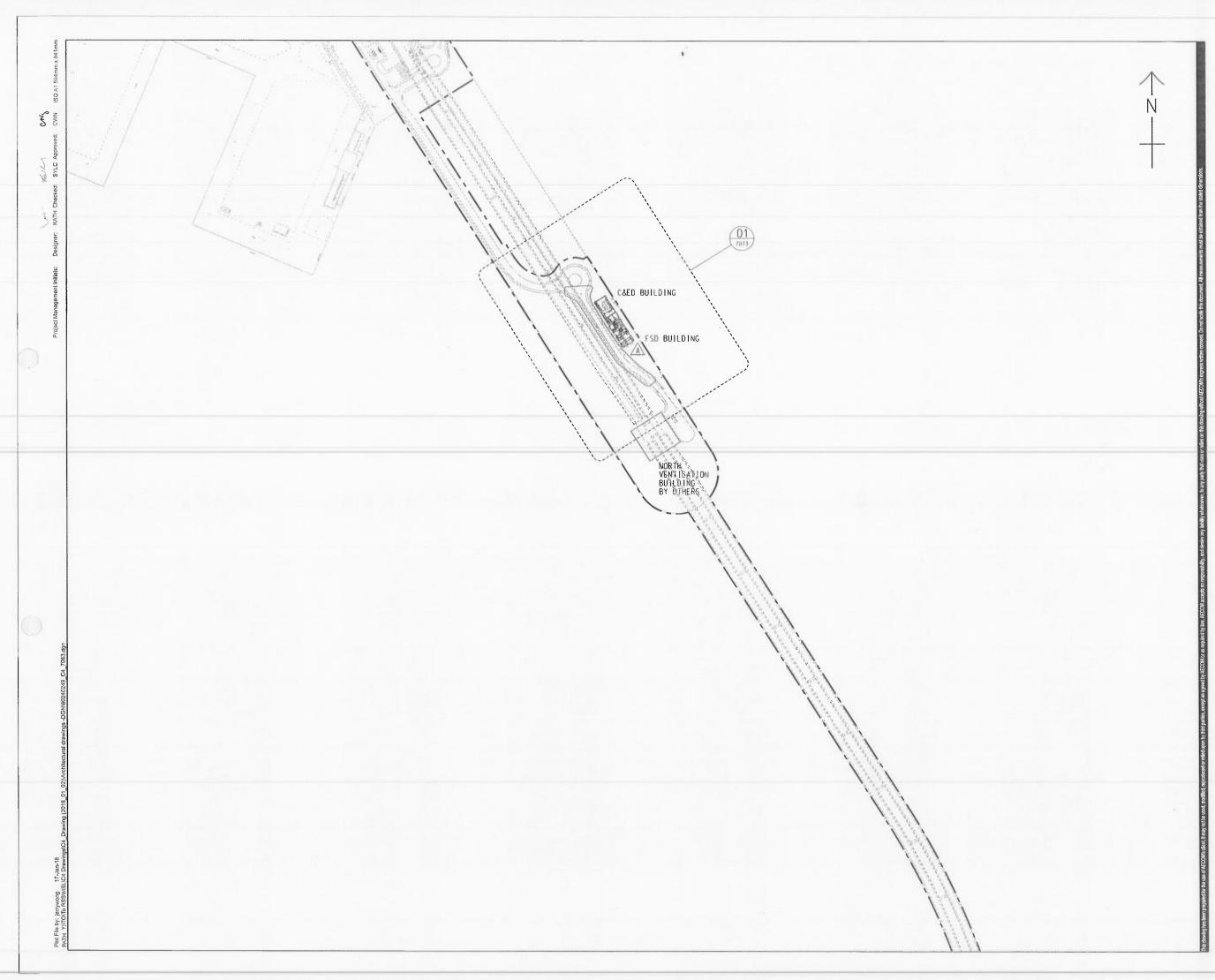
CONTRACT NO. HY/2017/10

SHEET TITLE

ZONING PLAN (SHEET 2)

#### SHEET NUMBER

60240249/C4/7062A





TUEN MUN -CHEK LAP KOK LINK

# CONTRACT TITLE TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TUNNEL BUILDINGS, ELECTRICAL AND MECHANICAL WORKS

CLIENT



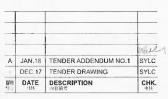
### CONSULTANT

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# Figure 1.2c

#### ISSUE/REVISION



STATUS

# 

DIMENSION UNIT

MILLIMETRES

A1 1:2500

KEY PLAN

PROJECT NO. 60240249

CONTRACT NO. HY/2017/10

SHEET TITLE

ZONING PLAN (SHEET 3)

SHEET NUMBER

60240249/C4/7063A

# 1.2 SCOPE OF REPORT

This is the Eleventh Monthly EM&A Report under the *Contract No. HY/2017/10 Tuen Mun – Chek Lap Kok Link – Northern Connection Tunnel Buildings, Electrical and Mechanical Works.* This report presents a summary of the environmental monitoring and audit works in April 2019.

# 1.3 ORGANIZATION STRUCTURE

The organization structure of the Contract is shown in *Appendix A*. The key personnel contact names and contact details are summarized in *Table 1.1* below.

| Party                                 | Position                       | Name           | Telephone | Fax       |
|---------------------------------------|--------------------------------|----------------|-----------|-----------|
| HyD (Highways<br>Department)          | Project Coordinator            | Joseph Lee     | 2762 4958 | 3188 6614 |
| F)                                    | Senior Engineer                | Cheng Pan      | 2762 3383 | 3188 6614 |
| ER<br>(AECOM Asia<br>Company Limited) | Principle Resident<br>Engineer | S. W. Fok      | 2293 6200 | 2293 6300 |
|                                       | Resident Engineer              | Desmond Fung   | 2293 6200 | 2293 6300 |
| ENPO / IEC<br>(Ramboll Hong Kong      | ENPO Leader                    | Y.H. Hui       | 3465 2850 | 3465 2899 |
| Ltd.)                                 | IEC                            | Dr. F.C. Tsang | 3465 2851 | 3465 2899 |
| Contractor<br>(Gammon                 | Site Agent                     | Kenneth Tai    | 9039 4723 | -         |
| Construction Limited)                 | Environmental<br>Officer       | Max Poon       | 9103 6303 | -         |
| ET (ERM-HK)                           | ET Leader                      | Dr. Jasmine Ng | 2271 3311 | 2723 5660 |

# Table 1.1Contact Information of Key Personnel

# 1.4 SUMMARY OF CONSTRUCTION WORKS

The construction phase of the Contract commenced on 7 June 2018. The three-month rolling construction programme is shown in Appendix B.

As informed by the Contractor, details of the major works carried out in this reporting month are listed below:

# Land-based Works

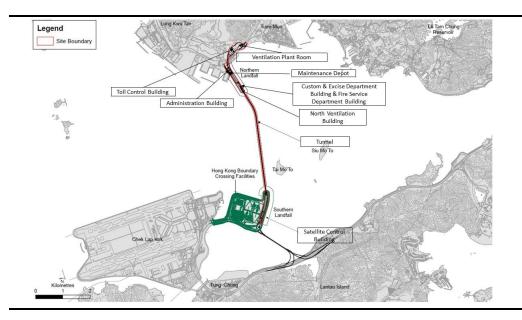
- Electrical and Mechanical Works and Architectural Builders Work and Finishes at Toll Control Building;
- Electrical and Mechanical Works at Ventilation Plant Room;
- Electrical and Mechanical Works at North Ventilation Building;

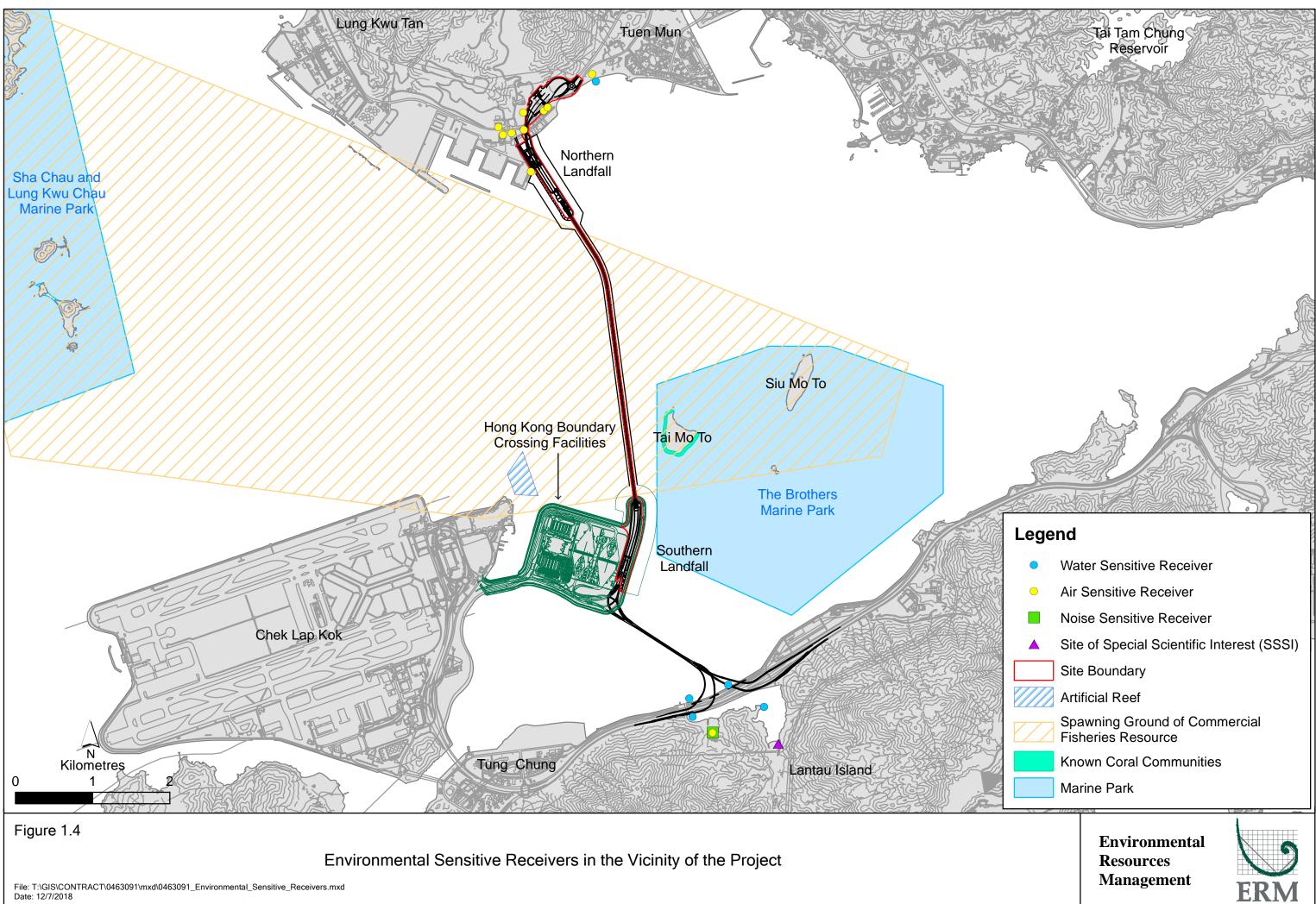
- Building Structure at Administration Building;
- Building Structure at Maintenance Depot;
- Building Structure at Fire Services Department Building;
- Building Structure at Customs and Excise Department Building; and
- Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2;
- Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Underpass at C3 area;
- Electrical and Mechanical Works at the Tunnel; and
- Excavation and Building Structure at Satellite Control Building

The locations of the construction activities are shown in *Figure 1.3*. The Environmental Sensitive Receivers in the vicinity of the Contract are shown in *Figure 1.4*.

The implementation schedule of environmental mitigation measures is presented in *Appendix C*.

# Figure 1.3 Locations of Major Construction Activities in the Reporting Month





# 2 EM&A RESULTS

The EM&A programme required environmental monitoring for air quality and environmental site inspections for air quality, water quality and waste management. The EM&A requirements and related findings for each component are summarized in the following sections

# 2.1 AIR QUALITY

# 2.1.1 Monitoring Requirements and Equipment

In accordance with the Updated EM&A Manual and the Enhanced TSP Monitoring Plan, impact 1-hour TSP monitoring was conducted three (3) times every six (6) days and impact 24-hour TSP monitoring was carried out once every six (6) days when the highest dust impact was expected. 1-hr and 24hr TSP monitoring frequency was increased to three times per day every three days and daily every three days, respectively, as excavation works for launching shaft under *Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section* commenced on 24 October 2014.

Results of air quality monitoring were adopted from the published EM&A data of *Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section* <sup>(1)</sup>.

The Action and Limit Levels of the air quality monitoring were adopted from the published EM&A reports of *Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section* <sup>(2)</sup>. The Action and Limit Levels are provided in *Appendix D*.

The locations of the monitoring stations overlapped with Contract No. HY/2012/08 are shown in *Figure 2.1* and presented in *Table 2.1*.

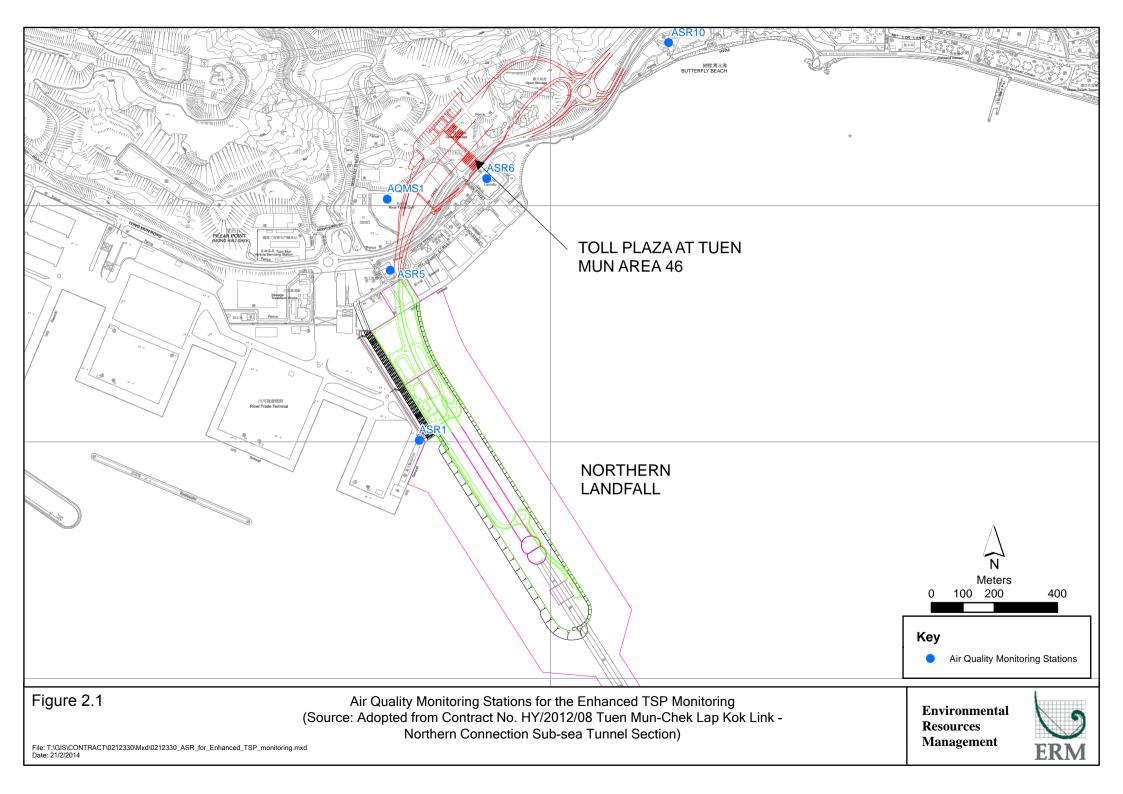
# Table 2.1Locations of Impact Air Quality Monitoring Stations and and its<br/>Corresponding Monitoring Requirements

| <b>Monitoring Station</b> | <b>Monitoring Dates</b>  | Location          | Description | Parameters & Frequency                            |
|---------------------------|--------------------------|-------------------|-------------|---------------------------------------------------|
| ASR1                      | 2, 5, 8, 11, 14, 17, 20, | Tuen Mun          | Office      | TSP monitoring                                    |
|                           | 23, 26 and 29 April      | Fireboat Station  |             | <ul> <li>1-hour Total Suspended</li> </ul>        |
|                           | 2019                     |                   |             | Particulates (1-hour TSP,                         |
| ASR5                      |                          | Pillar Point Fire | Office      | $\mu$ g/m <sup>3</sup> ), 3 times in every 6 days |
|                           |                          | Station           |             | 24-hour Total Suspended                           |
|                           |                          |                   |             | Particulates (24-hour TSP,                        |
| AQMS1                     |                          | Previous River    | Bare ground | $\mu$ g/m <sup>3</sup> ), daily for 24-hour in    |
|                           |                          | Trade Golf        |             | every 6 days                                      |
|                           |                          |                   |             | Enhanced TSP monitoring                           |

 Published EM&A data for impact air quality monitoring by Contract No. HY/2012/08 are available at: http://www.hzmbenpo.com/

(2) Published EM&A reports of *Contract No. HY/2012/08* are available at: http://www.hzmbenpo.com/

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| Monitoring Station Monitoring Dates | Location        | Description  | Parameters & Frequency                            |
|-------------------------------------|-----------------|--------------|---------------------------------------------------|
| ASR6                                | Butterfly Beach | Office       | (commenced on 24 October 2014                     |
|                                     | Laundry         |              | under Contract No. HY/2012/08)                    |
|                                     |                 |              | 1-hour Total Suspended                            |
| ASR10                               | Butterfly Beach | Recreational | Particulates (1-hour TSP,                         |
|                                     | Park            | uses         | $\mu$ g/m <sup>3</sup> ), 3 times in every 3 days |
|                                     |                 |              | • 24-hour Total Suspended                         |
|                                     |                 |              | Particulates (24-hour TSP,                        |
|                                     |                 |              | $\mu$ g/m <sup>3</sup> ), daily for 24-hour in    |
|                                     |                 |              | every 3 days                                      |

# 2.1.2 Results and Observations

Results of air quality monitoring were adopted from the published EM&A data of *Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section* <sup>(1)</sup>.

No exceedance of Action nor Limit Levels for 1-hour TSP and 24-hour TSP was recorded by the Environmental Team of Contract No. *HY/2012/08* during the reporting period. No action is required to be undertaken in accordance with the Event Action Plan as presented in *Appendix E*.

# 2.2 LANDFILL GAS HAZARD MONITORING

In accordance with the Updated EM&A Manual of the TM-CLK Link Project, landfill gas hazard monitoring should be perform to ensure that the works area at Pillar Point Valley (PPV) Landfill is free of landfill gas during any excavations works. A total of 22 days of landfill gas hazard monitoring was conducted at Ventilation Plant Room during 1 to 30 April 2019 (*Appendix F*).

The landfill gas hazard monitoring was conducted in accordance to the Upated EM&A Manual with a Altair 5X Gas Detector. The calibration certificate for the equipment is presented in *Appendix G*.

The Action and Limit Levels of the landfill gas hazard monitoring were adopted from the Undated EM&A Manual of the TM-CLK Link Project and are provided in *Appendix D*.

# 2.2.1 *Results and Observations*

Results for landfill gas hazard monitoring are summarized in *Table 2.2* and the monitoring data is provided in *Appendix H*.

No exceedance of Action and Limit Levels for methane, oxygen and carbon dioxide was recorded in the reporting month.

# Table 2.2Summary of Landfill Gas Hazard Monitoring Results in the Reporting<br/>Period

|         | Average (%) | Range (%) | Action / Limit Level (%) |
|---------|-------------|-----------|--------------------------|
| Methane | 0           | 0         | 10 / 20                  |

 Published EM&A data for impact air quality monitoring by Contract No. HY/2012/08 are available at: http://www.hzmbenpo.com/

GCL May 2019

|                | Average (%) | Range (%) | Action / Limit Level (%) |
|----------------|-------------|-----------|--------------------------|
| Oxygen         | 20.8        | 20.7-20.9 | 19 / 18                  |
| Carbon Dioxide | 0.07        | 0.07-0.08 | 0.5 / 1.5                |

# 2.3 EM&A SITE INSPECTION

Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting month, four (4) site inspections were carried out on 4, 12, 18, 26 April 2019.

Key observations and recommendations during the site inspections in this reporting period are summarized in *Table 2.3*.

# Table 2.3Specific Observations and Recommendations during the Weekly SiteInspection in this Reporting Month

| Inspection Date | Observations                                                                                                                                                                    | <b>Recommendations/ Remarks</b>                                                                                                                                                                                          |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4 April 2019    | <ul> <li>Toll Control Building</li> <li>Different types of waste should be sorted before disposal.</li> <li>Cement bags should be tally covered by tarpaulin sheets.</li> </ul> | <ul> <li>Toll Control Building</li> <li>The Contractor was reminded to sort<br/>different type of waste before disposal.</li> <li>The contractor was reminded tally cover<br/>the cement bags with tarpaulin.</li> </ul> |
| 12 April 2019   | <ul> <li>Fire Services Department and Customs and</li> <li>Excise Department Building</li> <li>Damaged NRMM label was observed on the vibratory roller.</li> </ul>              | <ul> <li>Fire Services Department and Customs and<br/>Excise Department Building</li> <li>The Contractor was reminded to replace<br/>the damamged NRMM label on the<br/>vibratory roller.</li> </ul>                     |
| 18 April 2019   | <ul><li>Tunnel</li><li>The service gallery of the tunnel is dusty.</li></ul>                                                                                                    | <ul> <li>Tunnel</li> <li>The Contractor was reminded to<br/>implement dust suppression measure to<br/>reduce dust generation.</li> </ul>                                                                                 |
| 26 April 2019   | No observation.                                                                                                                                                                 | No observation.                                                                                                                                                                                                          |

The Contractor has rectified all of the observations as identified during environmental site inspections in the reporting month.

# 2.4 WASTE MANAGEMENT STATUS

The Contractor had submitted application form for registration as chemical waste producer under the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.

Wastes generated during this reporting period included mainly construction wastes (inert and non-inert). Reference has been made to the waste flow table prepared by the Contractor (*Appendix I*). The quantities of different types of wastes are summarized in *Table 2.4*.

| Table 2.4 | Quantities of Different Waste Generat | ted in the Reporting Month |
|-----------|---------------------------------------|----------------------------|
|-----------|---------------------------------------|----------------------------|

| Month/Year | Inert C&D<br>Materials <sup>(a)</sup><br>(m <sup>3</sup> ) | Inert<br>Construction<br>Waste Re-<br>used<br>(m <sup>3</sup> ) | Non-inert<br>Construction<br>Waste <sup>(b)</sup> (kg) | Imported Fill<br>(m³) | Recyclable<br>Materials <sup>(c)</sup><br>(kg) | Chemical Wastes (kg) |
|------------|------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------|-----------------------|------------------------------------------------|----------------------|
| April 2019 | 13                                                         | 0                                                               | 56,730                                                 | 0                     | 0                                              | 0                    |
|            | Notes:                                                     |                                                                 |                                                        |                       |                                                |                      |
|            | (a) Inert const                                            | truction wastes in                                              | nclude hard rock a                                     | and large broken co   | oncrete disposed a                             | s public fill.       |
|            | (b) Non-inert                                              | construction was                                                | stes include gener                                     | al refuse disposed    | at landfill.                                   |                      |
|            | (c) Recyclable                                             | e materials includ                                              | le metals, paper, c                                    | ardboard, plastics,   | timber and others                              |                      |

The Contractor was advised to properly maintain on site C&D materials and waste collection, sorting and recording system, dispose of C&D materials and wastes at designated ground and maximize reuse/ recycle of C&D materials and wastes. The Contractor was also reminded to properly maintain the site tidiness and dispose of the wastes accumulated on site regularly and properly.

For chemical waste containers, the Contractor was reminded to treat properly and store 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*.

# 2.5 Environmental Licenses and Permits

The status of environmental licensing and permit is summarized in *Table 2.5* below.

| License/ Permit            | License or Permit No. | Date of Issue   | Date of Expiry    | License/ Permit Holder | Remarks                                   |
|----------------------------|-----------------------|-----------------|-------------------|------------------------|-------------------------------------------|
| Environmental Permit       | EP-354/2009/D         | 13 March 2015   | N/A               | HyD                    | Tuen Mun- Chek Lap Kok Link               |
| APCO Construction Dust     | 433493                | 14 May 2018     | N/A               | GCL                    | For Tuen Mun working area                 |
| Notification               |                       |                 |                   |                        |                                           |
| Construction Waste Billing | 7030836               | 15 May 2018     | N/A               | GCL                    | N/A                                       |
| Account                    |                       |                 |                   |                        |                                           |
| Chemical Waste Producer    | 5213-422-G2827-01     | 13 June 2018    | N/A               | GCL                    | N/A                                       |
| Registration               |                       |                 |                   |                        |                                           |
| Discharge License under    | WT00031783-2018       | 22 October 2018 | 31 October 2023   | GCL                    | Sampling Frequency: Bimonthly             |
| WPCO for Buildings at C2   |                       |                 |                   |                        |                                           |
| area                       |                       |                 |                   |                        |                                           |
| Discharge License under    | WT00032062-2018       | 30 October 2018 | 31 October 2023   | GCL                    | Sampling Frequency: Quarterly             |
| WPCO for Buildings at C3   |                       |                 |                   |                        |                                           |
| area                       |                       |                 |                   |                        |                                           |
| Construction Noise Permit  | GW-RW0135-19          | 27 March 2019   | 30 September 2019 | GCL                    | For Toll Control Building, Administration |
|                            |                       |                 |                   |                        | Building, Maintenance Depot, FSD, C&ED,   |
|                            |                       |                 |                   |                        | Bouundary Wall and WA18                   |
| Construction Noise Permit  | GW-RS0340-19          | 18 April 2019   | 17 October 2019   | GCL                    | For Kiosk S2                              |

# 2.6 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

In response to the site audit findings, the Contractors carried out all corrective actions.

A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in *Appendix C*. The necessary mitigation measures relevant to this Contract were implemented properly.

The landscape and visual (L&V) mitigation measures were also monitored on weekly basis in the reporting period. The monitoring status is summarized in *Appendix C*.

# 2.7 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

No exceedance for 1-hour TSP and 24-hour TSP was recorded by the Environmental Team of Contract No. *HY/2012/08* during the reporting period. The exceedances were considered not related to this Contract upon further investigation and the investigation report is presented in *Appendix G*. No action is required to be undertaken in accordance with the Event Action Plan as presented in *Appendix E*.

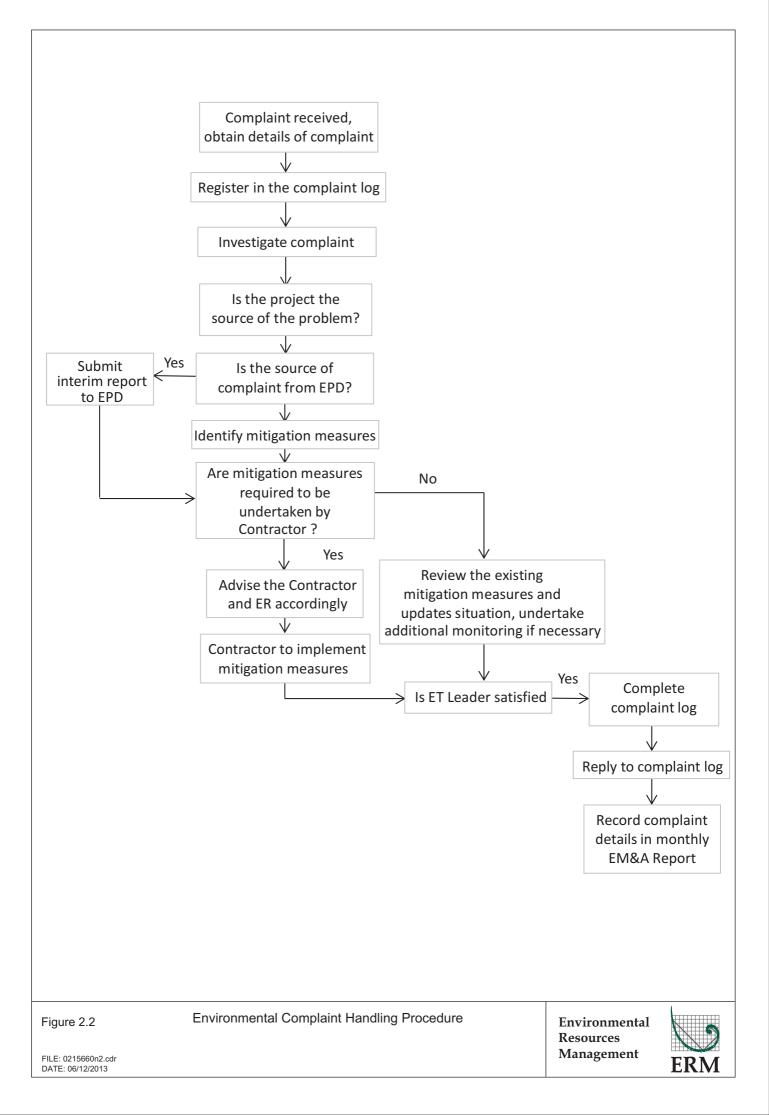
Cumulative statistics are provided in *Appendix J*.

# 2.8 SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

The Environmental Complaint Handling Procedure is provided in Figure 2.2.

There was no environmental complaint, notification of summons or successful prosecution recorded in the reporting period.

Statistics on complaints, notifications of summons, successful prosecutions are summarized in *Appendix J*.



# 3 FUTURE KEY ISSUES

# 3.1 CONSTRUCTION ACTIVITIES FOR THE COMING MONTH

As informed by the Contractor, the major works for the Contract in May 2019 will be:

# Land-based Works

- Electrical and Mechanical Works and Architectural Builders Work and Finishes at Toll Control Building;
- Electrical and Mechanical Works at Ventilation Plant Room;
- Electrical and Mechanical Works at North Ventilation Building;
- Building Structure at Administration Building;
- Building Structure at Maintenance Depot;
- Building structure at Fire Services Department Building;
- Building Structure at Customs and Excise Department Building;
- Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2; and
- Electrical and Mechanical Works at the Tunnel;
- Electrical and Mechanical Works and Architectural Builders Work and Finishes at underpass at C3 area; and
- Building Structure at Satellite Control Building

# 3.2 KEY ISSUES FOR THE COMING MONTH

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of May 2019 are mainly associated with dust and waste management issues.

## 4 CONCLUSIONS AND RECOMMENDATIONS

## 4.1 CONCLUSIONS

This Eleventh Monthly EM&A Report presents the findings of the EM&A activities undertaken during the period from 1 to 30 April 2019, in accordance with the Updated EM&A Manual and the requirements of EP-354/2009/D.

Air quality (including 1-hour TSP and 24-hour TSP) and landfill gas hazard monitoiring were carried out in this reporting month.

No exceedance of Action nor Limit Levels for 1-hour TSP and 24-hour TSP was recorded by the Environmental Team of Contract No. *HY/2012/08* during the reporting period. No action is required to be undertaken in accordance with the Event Action Plan as presented in *Appendix E*.

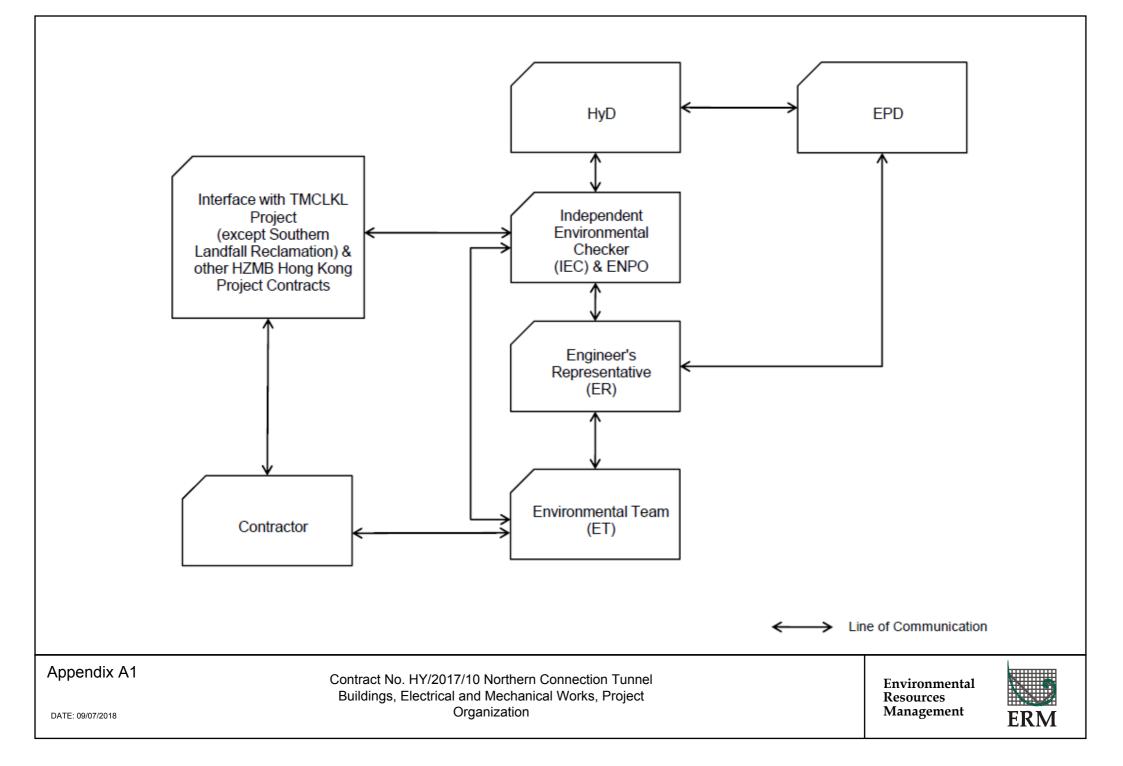
No exceedance of Action and Limit Levels was recorded for landfill gas hazard monitoring in the reporting month.

Environmental site inspection was carried out four (4) times in April 2019 Remedial actions recommended for the deficiencies identified during the site audits were properly implemented by the Contractor.

There was no environmental complaint, notification of summons or successful prosecution recorded in the reporting period.

The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures. Appendix A

Project Organization for Environmental Works



Appendix B

Construction Programme

|                           | Activity                                                                        | (Days)    |          | Duration                         |             |   |     | 2019      |          |            |
|---------------------------|---------------------------------------------------------------------------------|-----------|----------|----------------------------------|-------------|---|-----|-----------|----------|------------|
|                           |                                                                                 | (Days)    |          | Duration                         |             | A | pr  | May       | Jun      | Jul        |
| 2017/10 - Works Program   | mme Three Month Rolling Programme 20-Apr-19                                     |           |          |                                  |             |   |     |           |          |            |
| ontract Dates             |                                                                                 |           |          |                                  |             |   |     |           |          |            |
| Key Dates                 |                                                                                 |           |          |                                  |             |   |     |           |          |            |
| KD01                      | KD01 - Toll Control Bldg & TCSS Provision                                       | 0         | 0%       | 0                                | 29-Apr-19*  |   | •   |           |          |            |
| KD04A                     | KD4A - C&ED & FSD Substructure, Boundary Wall, ELS Removal                      | 0         | 100%     | 0                                | 30-Mar-19 A | ◆ |     |           |          |            |
| Portion Access Dates      |                                                                                 |           |          |                                  |             |   |     |           |          |            |
| P240                      | Access to Portion I (Day 329)                                                   | 0         | 100%     | 0 25-Mar-19 A                    |             | • |     |           |          |            |
| P320                      | Access to Portion III (Day 437)                                                 | 0         | 0%       | 0 17-Jul-19                      |             |   |     |           |          |            |
| Portion Possession Dates  |                                                                                 |           |          |                                  |             |   |     |           |          |            |
| P245                      | Possession to Portion Vc - (2 May 2019)                                         | 0         | 0%       | 0 02-May-19*                     |             |   | •   |           |          |            |
| P270                      | Possession to Portion XIX (Day 390)                                             | 0         | 0%       | 0 31-May-19                      |             |   |     |           | •        |            |
| P285                      | Possession to Portion XI (Day 390)                                              | 0         | 0%       | 0 31-May-19                      |             |   |     |           | •        |            |
| P290                      | Possession to Portion XXIa (Day 390)                                            | 0         | 0%       | 0 31-May-19                      |             |   |     |           | •        |            |
| P295                      | Possession to Portion IX (Day 390)                                              | 0         | 0%       | 0 31-May-19                      |             |   |     |           | •        |            |
| P300                      | Possession to Portion XXIb (Day 390)                                            | 0         | 0%       | 0 31-May-19                      |             |   |     |           | •        |            |
| P305                      | Possession to Portion X (Day 390)                                               | 0         | 0%       | 0 31-May-19                      |             |   |     |           | •        |            |
| P315                      | Possession to Portion XXIc (Day 390)                                            | 0         |          | 0 31-May-19                      |             |   |     |           | •        |            |
| Aajor Design Submission 8 |                                                                                 |           |          |                                  |             |   |     |           |          |            |
| Toll Control Building     |                                                                                 |           |          |                                  |             |   |     |           |          |            |
| MVAC System               |                                                                                 |           |          |                                  |             |   |     |           |          |            |
| TCB-EMD1095               | Authorities Review and Comment of AHU/PAU Static Pressure Calculation           | 56        | 50%      | 28 23-Aug-18 A                   | 25-May-19   |   |     |           |          |            |
| TCB-EMD1115               | Authorities Review and Comment of MVAC Pump head calculation                    | 56        |          | 28 23-Aug-18 A                   | -           |   |     |           |          |            |
| TCB-EMD1135               | Authorities Review and Comment of Mechanical Ventilation Capacity Calculation   | 56        |          | 28 10-Jul-18 A                   | -           |   |     |           |          |            |
| Electrical System         |                                                                                 |           |          |                                  |             |   |     |           |          |            |
| TCB-EMD1015               | Authorities Review and Comment of UPS and Battery Capacity Calculations         | 56        | 50%      | 28 22-Aug-18 A                   | 25-May-19   |   |     |           |          |            |
| TCB-EMD1033               | ER Review and Approval of Electrical Loading Demand Calculation                 | 13        |          | 13 11-Mar-19 A                   | -           |   |     |           |          |            |
| TCB-EMD1035               | Authorities Review and Comment of Electrical Loading Demand Calculation         | 56        |          | 42 16-Aug-18 A                   | -           | 1 |     |           |          |            |
| TCB-EMD1055               | Authorities Review and Comment of Generator Calculation                         | 56        |          | 28 15-Aug-18 A                   |             |   |     |           |          |            |
| TCB-EMD1335               | ER Review and Approval of System Design of PV System                            | 13        |          | 7 04-Apr-19 A                    |             |   |     |           |          |            |
| TCB-EMD1335               | Authorities Review and Comment of PV System                                     | 56        |          | 28 05-Mar-19 A                   |             |   |     |           |          |            |
| Fire Service System       | Additionales neview and Comment of the System                                   | 50        | 5078     | 20 03-101ai - 19 A               | 23-1viay-19 |   |     |           |          |            |
| TCB-EMD1175               | Authorities Review and Comment of FS Pump Head Calculation                      | 56        | 50%      | 28 01-Aug-18 A                   | 25 May 10   | 1 |     |           |          |            |
| TCB-EMD1175               | Authorities Review and Comment of Sprinkler Pump Head Calculation               |           |          | 28 01-Aug-18 A<br>28 14-Aug-18 A | -           |   |     |           |          |            |
|                           |                                                                                 | 56        |          |                                  | -           |   |     |           |          |            |
| TCB-EMD1215               | Authorities Review and Comment of FM200 System Design Calculation               | 56        | 50%      | 28 13-Aug-18 A                   | 25-May-19   |   |     |           |          |            |
| Plumbing & Drainage Sy    | Authorities Review and Comment of Pump Head Calculation                         | FC        | E00/     | 00 07 Aug 10 A                   | OF May 10   |   |     |           |          |            |
| TCB-EMD1235               |                                                                                 | 56        |          | 28 07-Aug-18 A                   | -           |   |     |           |          |            |
| TCB-EMD1275               | Authorities Review and Comment of Hot water system capacity calculation         | 56        |          | 28 07-Aug-18 A                   | -           |   |     |           |          |            |
| TCB-EMD1395               | Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation | 56        | 50%      | 28 23-Jul-18 A                   | 25-IVIAy-19 |   |     |           |          |            |
| Administration Building   |                                                                                 |           |          |                                  |             |   |     |           |          |            |
| MVAC System               |                                                                                 | -         |          |                                  |             |   |     | <u></u>   |          |            |
| ADB-EMD1015               | Authorities Review and Comment of AC Cooling Capacity Calculation               | 56        |          | 28 17-Aug-18 A                   |             |   |     |           |          |            |
| ADB-EMD1035               | Authorities Review and Comment of AHU/PAU Static Pressure Calculation           | 56        |          | 28 08-Oct-18 A                   |             |   |     |           |          |            |
| ADB-EMD1055               | Authorities Review and Comment of Pump head calculation                         | 56        |          | 28 07-Nov-18 A                   | -           |   |     |           |          |            |
| ADB-EMD1075               | Authorities Review and Comment of Mechanical Ventilation Capacity Calculation   | 56        | 50%      | 28 17-Aug-18 A                   | 25-May-19   |   |     |           |          |            |
| Electrical System         |                                                                                 |           |          |                                  |             |   |     |           |          |            |
| ADB-EMD1093               | ER Review and Approval of UPS and Battery Capacity Calculations                 | 13        |          | 7 23-Feb-19 A                    | · ·         |   |     |           |          |            |
| ADB-EMD1095               | Authorities Review and Comment of UPS and Battery Capacity Calculations         | 56        |          | 28 05-Sep-18 A                   |             |   |     |           |          |            |
| ADB-EMD1112               | Preparation and Resubmission of Electrical Loading Demand Calculation           | 26        | 0%       | 26 06-Oct-18 A                   | 23-May-19   |   |     |           |          |            |
|                           |                                                                                 |           |          |                                  |             |   |     |           |          |            |
|                           | C                                                                               | ONTRACT I | NO. HY20 | 17/10                            |             |   | P 1 | /21 Date  | Revision | Checked Ap |
|                           | NORTHERN TUN                                                                    |           |          |                                  | RKS         |   |     | 26-Apr-19 |          |            |
|                           |                                                                                 |           |          | S OF 20 APR 2019                 |             |   |     |           |          |            |
|                           |                                                                                 |           |          |                                  | ,           |   |     |           |          |            |

|                            | Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Duration  | % Comp  | Remaining Start<br>Duration      | Finish      |     |        | 2019      |          |           |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|----------------------------------|-------------|-----|--------|-----------|----------|-----------|
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (Days)    |         | Duration                         |             | Apr |        | May       | Jun      | Ju        |
| ADB-EMD1113                | ER Review and Approval of Electrical Loading Demand Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 13        | 0%      | 13 24-May-19                     | 08-Jun-19   |     |        | -         |          |           |
| ADB-EMD1115                | Authorities Review and Comment of Electrical Loading Demand Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 56        | 25%     | 42 27-Aug-18 A                   | 12-Jun-19   |     |        |           |          |           |
| ADB-EMD1135                | Authorities Review and Comment of Generator Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 56        | 50%     | 28 09-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| ADB-EMD1335                | ER Review and Approval of System Design of PV System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 13        | 50%     | 7 04-Apr-19 A                    | 30-Apr-19   |     |        |           |          |           |
| ADB-EMD1345                | Authorities Review and Comment of System Design of PV System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 56        | 50%     | 28 05-Mar-19 A                   | 25-May-19   |     | 1      |           |          |           |
| Fire Service System        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  | _           |     |        |           |          |           |
| ADB-EMD1155                | Authorities Review and Comment of FS Pump Head Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 56        | 50%     | 28 13-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| ADB-EMD1175                | Authorities Review and Comment of Sprinkler Pump Head Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56        | 50%     | 28 13-Aug-18 A                   |             |     |        |           |          |           |
| ADB-EMD1195                | Authorities Review and Comment of FM200 System Design Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56        | 50%     | 28 13-Aug-18 A                   | -           |     |        |           |          |           |
| Plumbing & Drainage Sy     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  | 20          |     |        |           |          |           |
| ADB-EMD1215                | Authorities Review and Comment of Pump Head Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 56        | 50%     | 28 25-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| ADB-EMD1235                | Authorities Review and Comment of Pressure Vessel Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56        | 50%     | 28 25-Aug-18 A                   |             |     |        |           |          |           |
| ADB-EMD1255                | Authorities Review and Comment of Hot water system capacity calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | 50%     | 28 25-Aug-18 A<br>28 25-Aug-18 A |             |     |        |           |          |           |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 56        | 50%     | 20 20-Aug-10 A                   | 25-May-19   |     |        |           |          |           |
| North Ventilation Building |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  |             |     |        |           |          |           |
| MVAC System                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | 500/    |                                  |             |     |        |           |          |           |
| NVB-EMD1035                | Authorities Review and Comment of Mechanical Ventilation Capacity Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56        | 50%     | 28 26-Sep-18 A                   | 25-May-19   |     |        |           |          |           |
| Electrical System          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  |             |     |        |           |          |           |
| NVB-EMD1053                | ER Review and Approval of HV Electrical Loading Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 13        | 100%    | 0 22-Mar-19 A                    | -           |     |        |           |          |           |
| NVB-EMD1055                | Authorities Review and Comment of HV Electrical Loading Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 56        | 50%     | 28 26-Sep-18 A                   | -           |     |        |           |          |           |
| NVB-EMD1075                | Authorities Review and Comment of UPS and Battery Capacity Calculations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 56        | 50%     | 28 17-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| NVB-EMD1093                | ER Review and Approval of Electrical Loading Demand Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 13        | 0%      | 13 20-Mar-19 A                   | 08-May-19   |     |        |           |          |           |
| NVB-EMD1095                | Authorities Review and Comment of Electrical Loading Demand Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 56        | 50%     | 28 03-Sep-18 A                   | 25-May-19   |     |        |           |          |           |
| NVB-EMD1115                | Authorities Review and Comment of Generator Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 56        | 50%     | 28 17-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| Fire Service System        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  |             |     |        |           |          |           |
| NVB-EMD1135                | Authorities Review and Comment of FS Pump Head Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 56        | 50%     | 28 01-Aug-18 A                   | 25-May-19   |     | 1      |           |          |           |
| NVB-EMD1155                | Authorities Review and Comment of Sprinkler Pump Head Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56        | 50%     | 28 14-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| NVB-EMD1175                | Authorities Review and Comment of FM200 System Design Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 28        | 50%     | 14 13-Aug-18 A                   | 09-May-19   |     |        |           |          |           |
| Plumbing & Drainage Sy     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  |             |     |        |           |          |           |
| NVB-EMD1305                | Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 56        | 50%     | 28 07-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| Maintenance Depot          | and a set of the set o |           |         |                                  |             |     |        |           |          |           |
| MVAC System                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  |             |     |        |           |          |           |
| MD-EMD1015                 | Authorities Review and Comment of AC Cooling Capacity Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56        | 50%     | 28 17-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| MD-EMD1055                 | Authorities Review and Comment of Mechanical Ventilation Capacity Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56        | 50%     | 28 17-Aug-18 A                   |             |     |        |           |          |           |
|                            | Autionities neview and comment of Mechanical Ventilation Capacity Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50        | 50%     | 20 17-Aug-10 A                   | 25-1viay-19 |     |        |           |          |           |
| Electrical System          | Descention and Devideniation of Electrical Londian Demond Coloulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 00        | 00/     | 00 05 las 10 4                   | 00 May 10   |     |        |           |          |           |
| MD-EMD1072                 | Preparation and Resubmission of Electrical Loading Demand Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 26        | 0%      | 26 05-Jan-19 A                   |             |     |        |           |          |           |
| MD-EMD1073                 | ER Review and Approval of Electrical Loading Demand Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 13        | 0%      | 13 24-May-19                     |             |     |        |           |          |           |
| MD-EMD1075                 | Authorities Review and Comment of Electrical Loading Demand Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 56        | 25%     | 42 27-Aug-18 A                   |             |     |        | ·····     |          |           |
| MD-EMD1095                 | Authorities Review and Comment of Generator Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 56        | 50%     | 28 06-Oct-18 A                   | 25-May-19   |     |        |           |          |           |
| Fire Service System        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  |             |     |        |           |          |           |
| MD-EMD1115                 | Authorities Review and Comment of FS Pump Head Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 56        | 50%     | 28 14-Aug-18 A                   | -           |     |        |           |          |           |
| MD-EMD1135                 | Authorities Review and Comment of Sprinkler Pump Head Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56        | 50%     | 28 14-Aug-18 A                   | -           |     |        |           |          |           |
| MD-EMD1155                 | Authorities Review and Comment of FM200 System Design Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56        | 50%     | 28 14-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| Plumbing & Drainage Sy     | Istem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |         |                                  |             |     |        |           |          |           |
| MD-EMD1175                 | Authorities Review and Comment of Pump Head Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 56        | 50%     | 28 13-Aug-18 A                   | 25-May-19   |     | 1      |           |          |           |
| MD-EMD1195                 | Authorities Review and Comment of Pressure Vessel Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56        | 50%     | 28 13-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| MD-EMD1215                 | Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 56        | 50%     | 28 27-Aug-18 A                   | 25-May-19   |     |        |           |          |           |
| Satellite Control Building |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  |             |     |        |           |          |           |
| MVAC System                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  |             |     |        |           |          |           |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  |             |     | !      |           |          |           |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  |             |     | D 0/04 | Date      | Revision | Checked A |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ONTRACT N |         |                                  |             |     | P 2/21 | 26-Apr-19 |          |           |
|                            | NORTHERN TUNN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EL CONNE  | CTION E | BUILDING E&M WC                  | RKS         |     |        |           |          |           |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |         |                                  | <b>)</b>    |     |        |           |          |           |
|                            | THREE MONTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ILY PROGR |         | 45 OF 20 APR 2018                | ,           |     |        |           |          |           |

|                            |                                                                               | Duration    | % Comp             | Remaining Start<br>Duration | Finish      |                                       | 2019                                  |          |           |
|----------------------------|-------------------------------------------------------------------------------|-------------|--------------------|-----------------------------|-------------|---------------------------------------|---------------------------------------|----------|-----------|
|                            |                                                                               | (Days)      |                    | Duration                    |             | Apr                                   | May                                   | Jun      | Ju        |
| SCB-EMD1015                | Authorities Review and Comment of AC Cooling Capacity Calculation             | 56          | 50%                | 28 17-Aug-18 A              | 25-May-19   |                                       |                                       |          |           |
| SCB-EMD1035                | Authorities Review and Comment of Mechanical Ventilation Capacity Calculation | 56          | 50%                | 28 17-Aug-18 A              | 25-May-19   |                                       |                                       |          |           |
| Electrical System          |                                                                               |             |                    |                             |             |                                       |                                       |          |           |
| SCB-EMD1055                | Authorities Review and Comment of UPS and Battery Capacity Calculations       | 56          | 50%                | 28 05-Sep-18 A              | 25-May-19   |                                       |                                       |          |           |
| SCB-EMD1073                | ER Review and Approval of Electrical Loading Demand Calculation               | 13          | 50%                | 7 18-Mar-19 A               | 30-Apr-19   |                                       | <b>—</b>                              |          |           |
| SCB-EMD1075                | Authorities Review and Comment of Electrical Loading Demand Calculation       | 56          | 25%                | 42 01-Nov-18 A              | 12-Jun-19   |                                       |                                       |          |           |
| SCB-EMD1095                | Authorities Review and Comment of Generator Calculation                       | 56          | 50%                | 28 27-Nov-18 A              | 25-May-19   |                                       |                                       |          |           |
| Fire Service System        |                                                                               |             |                    |                             |             |                                       |                                       |          |           |
| SCB-EMD1115                | Authorities Review and Comment of FS Pump Head Calculation                    | 56          | 50%                | 28 14-Aug-18 A              | 25-May-19   |                                       |                                       |          |           |
| SCB-EMD1135                | Authorities Review and Comment of Sprinkler Pump Head Calculation             | 56          | 50%                | 28 14-Aug-18 A              | 25-May-19   | ·····                                 |                                       |          |           |
| SCB-EMD1155                | Authorities Review and Comment of FM200 System Design Calculation             | 56          | 50%                | 28 14-Aug-18 A              | 25-May-19   |                                       |                                       |          |           |
| Plumbing & Drainage S      |                                                                               |             |                    |                             |             |                                       |                                       |          |           |
| SCB-EMD1285                | Authorities Review and Comment of Pump Head Calculation                       | 56          | 50%                | 28 27-Aug-18 A              | 25-May-19   |                                       |                                       |          |           |
| SCB-EMD1335                | Authorities Review and Comment of Pressure Vessel Calculation                 | 56          | 50%                | -                           |             |                                       |                                       |          |           |
| Costom & Excise Departm    |                                                                               |             |                    |                             |             |                                       |                                       |          |           |
| Electrical System          |                                                                               |             |                    |                             |             |                                       |                                       |          |           |
| CEDB-EMD1015               | Authorities Review and Comment of UPS and Battery Capacity Calculations       | 56          | 50%                | 28 01-Nov-18 A              | 25-Mav-19   |                                       |                                       |          |           |
| CEDB-EMD1032               | Preparation and Resubmission of Electrical Loading Demand Calculation         | 26          | 0%                 |                             | -           |                                       |                                       |          |           |
| CEDB-EMD1033               | ER Review and Approval of Electrical Loading Demand Calculation               | 13          | 0%                 | 13 24-May-19                | -           |                                       |                                       |          |           |
| CEDB-EMD1035               | Authorities Review and Comment of Electrical Loading Demand Calculation       | 56          | 25%                | 42 01-Nov-18 A              |             |                                       | <br> <br>                             |          |           |
| CEDB-EMD1035               | Authorities Review and Comment of Generator Calculation                       | 56          | 23 <i>%</i><br>50% | 28 27-Nov-18 A              |             |                                       |                                       |          |           |
|                            | Additionales neview and comment of Generator Galculation                      | 50          | 50 /8              | 20 27-110V-10 A             | 25-1viay-19 |                                       |                                       |          |           |
| Fire Service System        | Authorities Deview and Comment of ES Dump Lload Coloulation                   | FC          | E00/               | 28 21-Dec-18 A              | OF May 10   |                                       |                                       |          |           |
| CEDB-EMD1075               | Authorities Review and Comment of FS Pump Head Calculation                    | 56          | 50%                |                             |             |                                       |                                       |          |           |
| CEDB-EMD1095               | Authorities Review and Comment of Sprinkler Pump Head Calculation             | 56          | 50%                | 28 08-Oct-18 A              | 25-May-19   |                                       |                                       |          |           |
| Plumbing & Drainage Sy     |                                                                               |             | <b>5</b> 00/       |                             |             |                                       |                                       |          |           |
| CEDB-EMD1135               | Authorities Review and Comment of Pump Head Calculation                       | 56          | 50%                | 28 07-Sep-18 A              | -           |                                       |                                       |          |           |
| CEDB-EMD1155               | Authorities Review and Comment of Pressure Vessel Calculation                 | 56          | 50%                | 28 05-Sep-18 A              | 25-May-19   |                                       |                                       |          |           |
| Fire Services Department   | Building                                                                      |             |                    |                             |             |                                       |                                       |          |           |
| Electrical System          |                                                                               |             |                    |                             |             |                                       |                                       |          |           |
| FSDB-EMD1015               | Authorities Review and Comment of UPS and Battery Capacity Calculations       | 56          | 50%                | 28 01-Nov-18 A              |             |                                       |                                       |          |           |
| FSDB-EMD1032               | Preparation and Resubmission of Electrical Loading Demand Calculation         | 26          | 0%                 | 26 23-Jan-19 A              |             |                                       |                                       |          |           |
| FSDB-EMD1033               | ER Review and Approval of Electrical Loading Demand Calculation               | 13          | 0%                 | 13 24-May-19                |             |                                       |                                       |          |           |
| FSDB-EMD1035               | Authorities Review and Comment of Electrical Loading Demand Calculation       | 56          | 25%                | 42 01-Nov-18 A              | 12-Jun-19   |                                       |                                       |          |           |
| FSDB-EMD1055               | Authorities Review and Comment of Generator Calculation                       | 56          | 50%                | 28 27-Nov-18 A              | 25-May-19   |                                       |                                       |          |           |
| Fire Service System        |                                                                               |             |                    |                             |             |                                       |                                       |          |           |
| FSDB-EMD1075               | Authorities Review and Comment of FS Pump Head Calculation                    | 56          | 50%                | 28 07-Sep-18 A              | 25-May-19   |                                       |                                       |          |           |
| FSDB-EMD1095               | Authorities Review and Comment of Sprinkler Pump Head Calculation             | 56          | 50%                | 28 07-Sep-18 A              | 25-May-19   |                                       |                                       |          |           |
| FSDB-EMD1205               | Authorities Review and Comment of FM200 System Design Calculation             | 56          | 50%                | 28 07-Sep-18 A              | 25-May-19   |                                       |                                       |          |           |
| Plumbing & Drainage Sy     | /stem                                                                         |             |                    |                             |             |                                       |                                       |          |           |
| FSDB-EMD1135               | Authorities Review and Comment of Pump Head Calculation                       | 56          | 50%                | 28 05-Sep-18 A              | 25-May-19   | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · |          |           |
| FSDB-EMD1155               | Authorities Review and Comment of Pressure Vessel Calculation                 | 56          | 50%                | 28 05-Sep-18 A              | 25-May-19   |                                       |                                       |          |           |
| South Ventilation Building |                                                                               |             |                    |                             | -           |                                       |                                       |          |           |
| MVAC System                |                                                                               |             |                    |                             |             |                                       |                                       |          |           |
| SVB-EMD1013                | ER Review and Approval of Staircase Pressurization System Calculation         | 13          | 100%               | 0 26-Mar-19 A               | 02-Apr-19 A |                                       |                                       |          |           |
| SVB-EMD1015                | Authorities Review and Comment of Staircase Pressurization System Calculation | 56          | 50%                | 28 24-Jan-19 A              |             |                                       |                                       |          |           |
| SVB-EMD1035                | Authorities Review and Comment of Mechanical Ventilation Capacity Calculation | 56          | 50%                | 28 11-Sep-18 A              |             |                                       |                                       |          |           |
| Electrical System          | - addition of the comment of recondition vertilation outdoily outdation       |             | 5078               |                             | _0 may 10   |                                       |                                       |          |           |
| SVB-EMD1055                | Authorities Review and Comment of HV Electrical Loading Calculation           | 56          | 50%/               | 28 01-Nov-18 A              | 25 May 10   |                                       |                                       |          |           |
| 3 V D-EIVI D 1000          | Automies neview and comment of the Electrical Loading Calculation             | 56          | 50%                | 20 UT-INUV-18 A             | 25-1vidy-13 |                                       |                                       |          |           |
|                            |                                                                               |             |                    |                             |             |                                       | Date                                  | Revision | Checked A |
|                            |                                                                               | CONTRACT    |                    |                             |             |                                       | P 3/21 26-Apr-19                      |          |           |
|                            | NORTHERN TU                                                                   | NNEL CONNE  | ECTION E           | BUILDING E&M WC             | ORKS        |                                       |                                       |          |           |
|                            |                                                                               | THI Y PROGE |                    | AS OF 20 APR 2019           | 9           |                                       |                                       |          |           |

|                          | Activity                                                                                      | Duration | % Comp   | Remaining Start   | Finish      |                                       |                                       | 2019                   |          |           |
|--------------------------|-----------------------------------------------------------------------------------------------|----------|----------|-------------------|-------------|---------------------------------------|---------------------------------------|------------------------|----------|-----------|
|                          |                                                                                               | (Days)   |          | Duration          |             | A                                     | Dr                                    | May                    | Jun      | J         |
| SVB-EMD1093              | ER Review and Approval of Electrical Loading Demand Calculation                               | 13       | 0%       | 13 20-Mar-19 A    | 08-May-19   |                                       |                                       |                        |          |           |
| SVB-EMD1095              | Authorities Review and Comment of Electrical Loading Demand Calculation                       | 56       | 0%       | 56 28-Nov-18 A    | 28-Jun-19   |                                       |                                       |                        |          |           |
| SVB-EMD1115              | Authorities Review and Comment of Generator Calculation                                       | 56       | 50%      | 28 07-Dec-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
| Fire Service System      |                                                                                               |          |          |                   |             |                                       |                                       |                        |          |           |
| SVB-EMD1135              | Authorities Review and Comment of FS Pump Head Calculation                                    | 56       | 50%      | 28 21-Dec-18 A    | 25-May-19   |                                       | · · · · · · · · · · · · · · · · · · · |                        |          |           |
| SVB-EMD1155              | Authorities Review and Comment of Sprinkler Pump Head Calculation                             | 56       | 50%      | 28 21-Dec-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
| SVB-EMD1175              | Authorities Review and Comment of FM200 System Design Calculation                             | 56       | 50%      | 28 30-Nov-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
| Plumbing & Drainage Sy   | stem                                                                                          |          |          |                   |             |                                       |                                       |                        |          |           |
| SVB-EMD1213              | ER Review and Approval of Pressure Vessel Calculation                                         | 13       | 50%      | 7 16-Jan-19 A     | 30-Apr-19   |                                       |                                       |                        |          |           |
| Vehicular Underpass      |                                                                                               |          |          |                   |             |                                       |                                       |                        |          |           |
| Fire Service System      |                                                                                               |          |          |                   |             |                                       |                                       |                        |          |           |
| VU-EMD1025               | Authorities Review and Comment of Foam system design calculation                              | 56       | 50%      | 28 09-Aug-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
| Plumbing & Drainage Sy   |                                                                                               | 00       | 0070     | 20 00 100 1011    | Lo may ro   |                                       |                                       |                        |          |           |
| VU-EMD1045               | Authorities Review and Comment of Pump Head Calculation                                       | 56       | 50%      | 28 27-Sep-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
|                          | Autionities neview and comment of rump field Calculation                                      | 50       | 5078     | 20 27-0ep-10 A    | 23-1viay-13 |                                       |                                       |                        |          |           |
| Tunnel Lighting System   | Authorities Device and Comment of Design Brances of Tunnel Lighting System (TLS)              | FC       | E09/     | 09 00 Aug 19 A    | 25 May 10   |                                       |                                       |                        |          |           |
| VU-EMD1145               | Authorities Review and Comment of Design Proposal of Tunnel Lighting System (TLS)             | 56       | 50%      | 28 29-Aug-18 A    |             |                                       |                                       |                        |          |           |
| VU-EMD1165               | Authorities Review and Comment of Tunnel Lighting Lux Calculation                             | 56       | 50%      | 28 31-Dec-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
| Tunnel                   |                                                                                               |          |          |                   |             |                                       |                                       |                        |          |           |
| Fire Service System      |                                                                                               |          |          |                   |             | _                                     |                                       |                        |          |           |
| TUN-EMD1033              | ER Review and Approval of Foam system design calculation                                      | 13       | 50%      | 7 29-Mar-19 A     | •           |                                       |                                       |                        |          |           |
| TUN-EMD1035              | Authorities Review and Comment of Foam system design calculation                              | 56       | 50%      | 28 09-Aug-18 A    | -           |                                       |                                       |                        |          |           |
| TUN-EMD1112              | Preparation and Resubmission of FS Pump Head Calculation                                      | 26       | 100%     | 0 21-Mar-19 A     |             |                                       |                                       |                        |          |           |
| TUN-EMD1113              | ER Review and Approval of FS Pump Head Calculation                                            | 13       | 100%     | 0 21-Mar-19 A     | 21-Mar-19 A |                                       |                                       |                        |          |           |
| TUN-EMD1115              | Authorities Review and Comment of FS Pump Head Calculation                                    | 56       | 50%      | 28 11-Jan-19 A    | 25-May-19   |                                       |                                       |                        |          |           |
| TUN-EMD1132              | Preparation and Resubmission of Sprinkler Pump Head Calculation                               | 26       | 50%      | 13 22-Mar-19 A    | 08-May-19   |                                       |                                       |                        |          |           |
| TUN-EMD1133              | ER Review and Approval of Sprinkler Pump Head Calculation                                     | 13       | 0%       | 13 09-May-19      | 23-May-19   |                                       |                                       |                        |          |           |
| TUN-EMD1135              | Authorities Review and Comment of Sprinkler Pump Head Calculation                             | 56       | 50%      | 28 25-Jan-19 A    | 25-May-19   |                                       |                                       |                        |          |           |
| Plumbing & Drainage Sy   | stem                                                                                          |          |          |                   |             |                                       |                                       |                        |          |           |
| TUN-EMD1185              | Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation               | 56       | 50%      | 28 27-Sep-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
| Tunnel Lighting System   |                                                                                               |          |          |                   |             |                                       |                                       |                        |          |           |
| TUN-EMD1075              | Authorities Review and Comment of Design Proposal of Tunnel Lighting System (TLS)             | 56       | 50%      | 28 29-Aug-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
| TUN-EMD1095              | Authorities Review and Comment of Tunnel Lighting Lux Calculation                             | 56       | 50%      | 28 31-Dec-18 A    | -           |                                       |                                       |                        |          |           |
| Approach Road            |                                                                                               |          |          |                   |             |                                       |                                       |                        |          |           |
| Road Lighting System     |                                                                                               |          |          |                   |             |                                       |                                       |                        |          |           |
| AR-EMD1015               | HyD (LGT) Review and Approval of Design Proposal of Road Lighting System                      | 28       | 0%       | 28 23-Apr-19      | 25-May-19   |                                       |                                       |                        |          |           |
| CCMS, TCS and ELV System |                                                                                               | 20       | 070      |                   |             |                                       |                                       |                        |          |           |
| ELV-EMD1013              | ER Review and Approval of System Design for Toll Control system                               | 40       | 200/     | 32 20-Sep-18 A    | 30-May-10   |                                       |                                       |                        |          |           |
|                          |                                                                                               | 40       | 20%      | · ·               | -           |                                       |                                       |                        |          |           |
| ELV-EMD1015              | Authorities Review and Comment of System Design for Toll Control system                       | 56       | 50%      | 28 27-Jul-18 A    | -           |                                       |                                       |                        |          |           |
| ELV-EMD1035              | Authorities Review and Comment of System Design for CMCS                                      | 56       | 50%      | 28 26-Sep-18 A    | -           |                                       |                                       |                        |          |           |
| ELV-EMD1055              | Authorities Review and Comment of System Design for other ELV systems                         | 56       | 50%      | 28 02-Oct-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
| ajor Material Submission |                                                                                               |          |          |                   |             |                                       |                                       |                        |          |           |
| GEN-EMM1020              | Authorities Review and Comment of Technical Info Miscellaneous 1st fix Materials/ Equipment   | 28       | 50%      | 14 31-May-18 A    | -           |                                       |                                       |                        |          |           |
| GEN-EMM1050              | Authorities Review and Comment of Technical Info Miscellaneous 2nd fix Materials/ Equipment   | 28       | 50%      | 14 20-May-18 A    | -           |                                       |                                       |                        |          |           |
| GEN-EMM1080              | Authorities Review and Comment of Technical Info Miscellaneous final fix Materials/ Equipment | 28       | 50%      | 14 02-Jul-18 A    | 09-May-19   |                                       |                                       |                        |          |           |
| MVAC System              |                                                                                               |          |          |                   |             |                                       |                                       |                        |          |           |
| MVAC-EMM1015             | Authorities Review and Comment of Technical Info Chiller                                      | 56       | 50%      | 28 14-Jun-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
| MVAC-EMM1035             | Authorities Review and Comment of Technical Info Chilled Water Pump                           | 56       | 50%      | 28 12-Jun-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
| MVAC-EMM1055             | Authorities Review and Comment of Technical Info Cooling Tower                                | 56       | 50%      | 28 11-Jun-18 A    | 25-May-19   |                                       |                                       |                        |          |           |
|                          |                                                                                               |          |          |                   |             | · · · · · · · · · · · · · · · · · · · | · · ·                                 |                        |          | · · · · · |
|                          | CON                                                                                           | TRACT N  | IO. HY20 | )17/10            |             |                                       | Р                                     | 4/21 Date<br>26-Apr-19 | Revision | Checked A |
|                          | NORTHERN TUNNEL                                                                               |          |          |                   | ORKS        |                                       |                                       | 20-Apr-19              |          |           |
|                          |                                                                                               |          |          | S OF 20 APR 2019  |             |                                       |                                       |                        |          |           |
|                          |                                                                                               |          |          | 10 UF ZU APK ZUIS | 2           |                                       |                                       |                        |          |           |

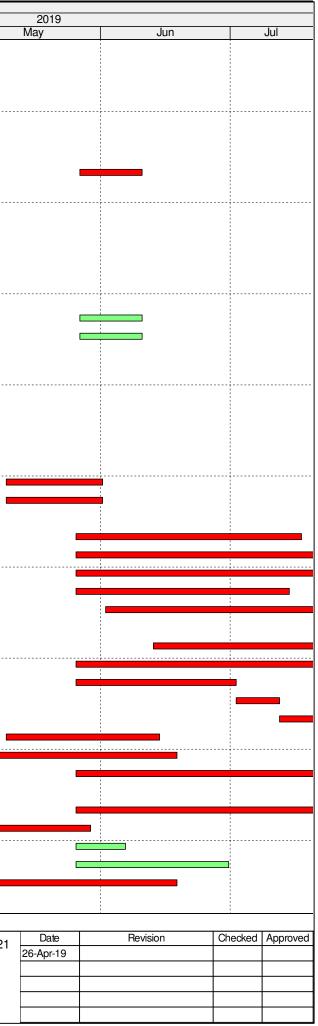
|                                           |                                                                                  | (Days)    |          | Duration                                                                                                                                 |             |             |           |     |          | 2019      |          |        |     |
|-------------------------------------------|----------------------------------------------------------------------------------|-----------|----------|------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-----------|-----|----------|-----------|----------|--------|-----|
|                                           |                                                                                  |           |          |                                                                                                                                          |             |             |           | Apr |          | May       | Jun      |        | Ju  |
| MVAC-EMM1075                              | Authorities Review and Comment of Technical Info Computer Room AC (CRAC) Unit    | 56        | 50%      | 28                                                                                                                                       | 19-Jul-18 A | 25-May-19   |           |     |          | ,         |          |        |     |
| MVAC-EMM1095                              | Authorities Review and Comment of Technical Info AHU & PAU                       | 56        | 50%      | 28                                                                                                                                       | 10-Sep-18 A | 25-May-19   |           |     |          |           |          |        |     |
| MVAC-EMM1115                              | Authorities Review and Comment of Technical Info Staircase Pressurization Fan    | 56        | 50%      | 28                                                                                                                                       | 17-Jul-18 A | 25-May-19   |           |     |          |           |          |        |     |
| Electrical System                         |                                                                                  |           |          |                                                                                                                                          |             |             |           |     |          |           |          |        |     |
| ELE-EMM1055                               | Authorities Review and Comment of Technical Info Busduct                         | 56        | 50%      | 28                                                                                                                                       | 27-Sep-18 A | 25-May-19   | -         |     |          |           |          |        |     |
| ELE-EMM1075                               | Authorities Review and Comment of Technical Info HV Cables                       | 56        | 50%      | 28                                                                                                                                       | 17-Sep-18 A | 25-May-19   |           |     |          |           |          |        |     |
| ELE-EMM1155                               | Authorities Review and Comment of Technical Info UPS and Battery                 | 28        | 50%      | 14                                                                                                                                       | 26-Nov-18 A | 09-May-19   |           |     |          |           |          |        |     |
| ELE-EMM1175                               | Authorities Review and Comment of Technical Info MCB & MCCB & Distribution Board | 28        | 50%      |                                                                                                                                          | 04-Dec-18 A | -           |           |     |          |           |          |        |     |
| ELE-EMM1215                               | ER Review and Approval of Technical Info PV System                               | 13        | 50%      |                                                                                                                                          | 04-Apr-19 A | -           |           |     |          |           |          |        |     |
| ELE-EMM1225                               | Authorities Review and Comment of Technical Info PV System                       | 56        | 50%      |                                                                                                                                          | 05-Mar-19 A | · ·         | 1         |     |          |           |          |        |     |
| Fire Service System                       |                                                                                  |           |          |                                                                                                                                          |             |             |           |     |          |           |          |        |     |
| FS-EMM1015                                | Authorities Review and Comment of Technical Info FM200                           | 56        | 50%      | 28                                                                                                                                       | 20-Aug-18 A | 25-May-19   |           |     |          |           |          |        |     |
| FS-EMM1095                                | Authorities Review and Comment of Technical Info FR/ HR system                   | 56        | 50%      |                                                                                                                                          |             | 25-May-19   |           |     |          |           |          |        |     |
| FS-EMM1115                                | Authorities Review and Comment of Technical Info Gas detection                   | 56        | 50%      |                                                                                                                                          | 05-Dec-18 A |             |           |     |          |           |          |        |     |
|                                           |                                                                                  | 50        | 5078     | 20                                                                                                                                       | 03-Dec-10 A | 23-1viay-19 |           |     |          |           |          |        |     |
| Plumbing & Drainage Syste<br>PD-EMM1015   |                                                                                  | FC        | E00/     | 00                                                                                                                                       | 25-Oct-18 A | OF May 10   |           |     |          |           |          |        |     |
|                                           | Authorities Review and Comment of Technical Info Sump Pump                       | 56        | 50%      |                                                                                                                                          |             | ,           |           |     |          |           |          |        |     |
| PD-EMM1033                                | ER Review and Approval of Technical Info Hot Water System                        | 13        | 50%      |                                                                                                                                          | 26-Mar-19 A | · ·         |           |     |          |           |          |        |     |
| PD-EMM1035                                | Authorities Review and Comment of Technical Info Hot Water System                | 56        | 50%      |                                                                                                                                          | 11-Nov-18 A | -           |           |     |          |           |          |        |     |
| PD-EMM1055                                | Authorities Review and Comment of Technical Info LMCP (PD)                       | 56        | 50%      | 28                                                                                                                                       | 16-Jan-19 A | 25-May-19   |           |     |          |           |          |        |     |
| Tunnel Ventilation System                 |                                                                                  |           |          |                                                                                                                                          |             |             |           |     |          |           |          |        |     |
| TVS-EMM1035                               | Authorities Review and Comment of Technical Info Pressurization Fan              | 56        | 50%      |                                                                                                                                          |             | 25-May-19   |           |     |          |           |          |        |     |
| TVS-EMM1105                               | Authorities Review and Comment of Technical Info AQMS Equipment                  | 56        | 50%      |                                                                                                                                          |             | 25-May-19   |           |     |          |           |          |        |     |
| TVS-EMM1155                               | Authorities Review and Comment of Technical Info MFSD                            | 56        | 50%      | 28                                                                                                                                       | 26-Jul-18 A | 25-May-19   |           |     |          |           |          |        |     |
| Tunnel and Road Lighting S                | System                                                                           |           |          |                                                                                                                                          |             |             |           |     |          |           |          |        |     |
| TRLS-EMM1035                              | Authorities Review and Comment of Technical Info Road Lighting Fitting           | 56        | 50%      | 28                                                                                                                                       | 09-Oct-18 A | 25-May-19   | 1         |     |          |           |          |        |     |
| CCMS, TCS and ELV System                  | n                                                                                |           |          |                                                                                                                                          |             |             |           |     |          |           |          |        |     |
| ELV-EMM1013                               | ER Review and Approval of Technical Info CMCS Equipment                          | 40        | 80%      | 8                                                                                                                                        | 22-Jan-19 A | 02-May-19   |           |     |          |           |          |        |     |
| ELV-EMM1020                               | Authorities Review and Comment of Technical Info CMCS Equipment                  | 56        | 50%      | 28                                                                                                                                       | 09-Oct-18 A | 25-May-19   |           |     |          |           |          |        |     |
| ELV-EMM1040                               | ER Review and Approval of Technical Info TCS Equipment                           | 40        | 80%      | 8                                                                                                                                        | 28-Dec-18 A | 02-May-19   | ·         |     |          |           |          |        |     |
| ELV-EMM1050                               | Authorities Review and Comment of Technical Info TCS Equipment                   | 56        | 50%      | 28                                                                                                                                       | 09-Oct-18 A | 25-May-19   |           |     |          |           |          |        |     |
| ELV-EMM1073                               | ER Review and Approval of Technical Info other ELV Equipment                     | 40        | 80%      | 8                                                                                                                                        | 19-Mar-19 A | 02-May-19   |           |     |          |           |          |        |     |
| ELV-EMM1080                               | Authorities Review and Comment of Technical Info other ELV Equipment             | 56        | 50%      |                                                                                                                                          |             | 25-May-19   |           |     |          |           |          |        |     |
| Drawing Submission & App                  |                                                                                  |           |          |                                                                                                                                          |             | -           |           |     |          |           |          |        |     |
| North Ventilation Building                |                                                                                  |           |          |                                                                                                                                          |             |             |           |     |          |           |          |        |     |
| Individual Shop Drawing                   |                                                                                  |           |          |                                                                                                                                          |             |             |           |     |          |           |          |        |     |
| NVB-ISD1090                               | Authorities Review and Approval of NVB ISD - 2nd batch                           | 28        | 50%      | 14                                                                                                                                       | 27-Sep-18 A | 09-May-19   |           |     |          |           |          |        |     |
| Satellite Control Building                |                                                                                  | 20        | 0070     |                                                                                                                                          | 27 000 1071 | oo may ro   |           |     |          |           |          |        |     |
|                                           | Markanial Drawing                                                                |           |          |                                                                                                                                          |             |             |           |     |          |           |          |        |     |
| Structural, Electrical & N<br>SCB-SEM1020 | Preparation and Resubmission of SCB SEM                                          | 10        | 100%     | ^                                                                                                                                        | 10 Apr 10 A | 10-Apr-19 A |           |     |          |           |          |        |     |
|                                           | •                                                                                | 12        |          |                                                                                                                                          | •           | · ·         |           |     |          |           |          |        |     |
| SCB-SEM1030                               | ER Review and Approval of SCB SEM                                                |           | 100%     | 0                                                                                                                                        | 10-Apr-19 A | 10-Apr-19 A |           | I   |          |           |          |        |     |
| Individual Shop Drawing                   |                                                                                  |           | 0.554    |                                                                                                                                          | 44.4        | 00.4        |           |     |          |           |          |        |     |
| SCB-ISD1010                               | ER Review and Comment of SCB ISD 1st batch                                       | 12        | 95%      |                                                                                                                                          | 11-Aug-18 A | -           |           |     | <u>'</u> |           |          |        |     |
| SCB-ISD1020                               | Preparation and Resubmission of SCB ISD 1st batch                                | 12        | 95%      |                                                                                                                                          | 04-Jan-19 A | · ·         |           |     | <b>u</b> |           |          |        |     |
| SCB-ISD1030                               | ER Review and Approval of SCB ISD 1st batch                                      | 7         | 95%      |                                                                                                                                          | 04-Jan-19 A | · ·         |           |     | I        |           |          |        |     |
| SCB-ISD1040                               | Authorities Review and Comment of SCB ISD 1st batch                              | 28        | 50%      |                                                                                                                                          | -           | 09-May-19   |           |     |          |           |          |        |     |
| SCB-ISD1060                               | ER Review and Comment of SCB ISD 2nd batch                                       | 12        | 95%      |                                                                                                                                          | 11-Aug-18 A | -           |           |     | 1        |           |          |        |     |
| SCB-ISD1070                               | Preparation and Resubmission of SCB ISD 2nd batch                                | 12        | 95%      | 1                                                                                                                                        | 04-Jan-19 A | 24-Apr-19   |           |     |          |           |          |        |     |
| SCB-ISD1080                               | ER Review and Approval of SCB ISD 2nd batch                                      | 7         | 95%      | 0                                                                                                                                        | 04-Jan-19 A | 24-Apr-19   |           |     | 1        |           |          |        |     |
|                                           |                                                                                  |           |          |                                                                                                                                          |             |             | · · · · · | I   | · · · ·  |           | ·        | ·      |     |
|                                           |                                                                                  | ONTRACT N | IO. HY20 | 17/10                                                                                                                                    |             |             |           |     | P        | 5/21 Date | Revision | Checke | d A |
|                                           | NORTHERN TUNN                                                                    |           |          |                                                                                                                                          |             | BKS         |           |     |          | 26-Apr-19 |          |        | +   |
|                                           |                                                                                  |           |          |                                                                                                                                          |             |             |           |     |          |           |          |        | _   |
|                                           | THREE MONTH                                                                      |           |          | $(\gamma \gamma $ |             |             |           |     |          |           |          |        |     |

|                            | Activity                                                          | Duration     | % Comp   | Remaining Start | Finish        |     | 0010                     |          |           |
|----------------------------|-------------------------------------------------------------------|--------------|----------|-----------------|---------------|-----|--------------------------|----------|-----------|
|                            |                                                                   | (Days)       |          | Duration        |               | Apr | 2019<br>May              | Jun      | Jul       |
| SCB-ISD1090                | Authorities Review and Comment of SCB ISD 2nd batch               | 28           | 50%      | 14 10-Aug-18 /  | A 09-May-19   |     |                          |          |           |
| Costom & Excise Departme   | ent Building                                                      |              |          |                 |               |     |                          |          |           |
| Structural, Electrical & N |                                                                   |              |          |                 |               |     |                          |          |           |
| CEDB-SEM1000               | Submission of C&EDB SEM                                           | 0            |          | 0 20-Mar-19 /   |               |     |                          |          |           |
| CEDB-SEM1010               | ER Review and Comment of C&EDB SEM                                | 12           | 100%     | 0 22-Mar-19 /   | A 10-Apr-19 A |     |                          |          |           |
| CEDB-SEM1020               | Preparation and Resubmission of C&EDB SEM                         | 12           | 50%      | 6 10-Apr-19 A   | 29-Apr-19     |     | ]                        |          |           |
| CEDB-SEM1030               | ER Review and Approval of C&EDB SEM                               | 7            | 50%      | 4 10-Apr-19 A   | 04-May-19     |     |                          |          |           |
| Individual Shop Drawing    |                                                                   |              |          |                 |               |     |                          |          |           |
| CEDB-ISD1020               | Preparation and Resubmission of C&EDB ISD 1st batch               | 12           | 100%     |                 | A 22-Mar-19 A |     |                          |          |           |
| CEDB-ISD1030               | ER Review and Approval of C&EDB ISD 1st batch                     | 7            |          |                 | A 22-Mar-19 A |     |                          |          |           |
| CEDB-ISD1040               | Authorities Review and Comment of C&EDB ISD 1st batch             | 28           | 50%      | 14 06-Sep-18 /  | A 09-May-19   |     |                          |          |           |
| CEDB-ISD1070               | Preparation and Resubmission of C&EDB ISD 2nd batch               | 12           |          |                 | A 22-Mar-19 A |     |                          |          |           |
| CEDB-ISD1080               | ER Review and Approval of C&EDB ISD 2nd batch                     | 7            | 100%     | 0 22-Mar-19     | A 22-Mar-19 A |     |                          |          |           |
| CEDB-ISD1090               | Authorities Review and Comment of C&EDB ISD 2nd batch             | 28           | 50%      | 14 06-Sep-18    | A 09-May-19   |     |                          |          |           |
| South Ventilation Building |                                                                   |              |          |                 |               |     |                          |          |           |
| Individual Shop Drawing    |                                                                   |              |          |                 |               |     |                          |          |           |
| SVB-ISD1000                | Submission of SVB ISD 1st batch                                   | 15           |          | 8 20-Sep-18     | -             |     |                          |          |           |
| SVB-ISD1010                | ER Review and Comment of SVB ISD 1st batch                        | 12           |          | 6 21-Sep-18 /   | -             |     |                          |          |           |
| SVB-ISD1020                | Preparation and Resubmission of SVB ISD 1st batch                 | 12           | 0%       | 12 09-May-19    |               |     |                          |          |           |
| SVB-ISD1030                | ER Review and Approval of SVB ISD 1st batch                       | 7            |          | 7 23-May-19     |               |     |                          |          |           |
| SVB-ISD1050                | Submission of SVB ISD 2nd batch                                   | 15           |          | 8 05-Sep-18 /   | -             |     |                          |          |           |
| SVB-ISD1060                | ER Review and Comment of SVB ISD 2nd batch                        | 12           |          | 6 07-Dec-18     | -             |     |                          |          |           |
| SVB-ISD1070                | Preparation and Resubmission of SVB ISD 2nd batch                 | 12           |          | 12 09-May-19    | 23-May-19     |     |                          |          |           |
| SVB-ISD1080                | ER Review and Approval of SVB ISD 2nd batch                       | 7            | 0%       | 7 23-May-19     | 31-May-19     |     |                          |          |           |
| Structural, Electrical & N |                                                                   |              |          |                 |               |     |                          |          |           |
| SVB-SEM2020                | Preparation and Resubmission of SVB SEM                           | 12           |          |                 | 10-Apr-19 A   | I   |                          |          |           |
| SVB-SEM2030                | ER Review and Approval of SVB SEM                                 | 7            | 100%     | 0 10-Apr-19 A   | 10-Apr-19 A   | I   |                          |          |           |
| Tunnel                     |                                                                   |              |          |                 |               |     |                          |          |           |
| Individual Shop Drawing    |                                                                   |              |          |                 |               |     |                          |          |           |
| TUN-ISD1060                | ER Review and Comment of Tunnel ISD 2nd batch                     | 30           |          | 5 16-Aug-18     | A 27-Apr-19   |     |                          |          |           |
| TUN-ISD1070                | Preparation and Resubmission of Tunnel ISD 2nd batch              | 30           | 85%      | 5 16-Feb-197    | -             |     |                          |          |           |
| TUN-ISD1080                | ER Review and Approval of Tunnel ISD 2nd batch                    | 15           |          | 2 29-Aug-18     | ,             |     |                          |          |           |
| TUN-ISD1090                | Authorities Review and Comment of Tunnel ISD 2nd batch            | 28           |          | 14 16-Aug-18    |               |     |                          |          |           |
| TUN-ISD1110                | ER Review and Comment of Tunnel ISD 3rd batch                     | 30           | 0%       | 30 23-Apr-19    | 28-May-19     |     |                          |          |           |
| TUN-ISD1120                | Preparation and Resubmission of Tunnel ISD 3rd batch              | 30           | 0%       | 30 29-May-19    | 04-Jul-19     |     |                          |          |           |
| TUN-ISD1130                | ER Review and Approval of Tunnel ISD 3rd batch                    | 15           |          | 15 05-Jul-19    | 22-Jul-19     |     |                          |          |           |
| TUN-ISD1140                | Authorities Review and Comment of Tunnel ISD 3rd batch            | 28           |          | 28 10-Dec-18 /  | -             |     |                          |          |           |
| TUN-ISD1160                | ER Review and Comment of Tunnel ISD 4th batch                     | 30           | 0%       | 30 23-Apr-19    | 28-May-19     |     |                          |          |           |
| TUN-ISD1170                | Preparation and Resubmission of Tunnel ISD 4th batch              | 30           |          | 30 29-May-19    |               |     |                          |          |           |
| TUN-ISD1180                | ER Review and Approval of Tunnel ISD 4th batch                    | 15           |          | 15 05-Jul-19    | 22-Jul-19     |     |                          |          |           |
| TUN-ISD1190                | Authorities Review and Comment of Tunnel ISD 4th batch            | 28           | 0%       | 28 31-Oct-18 A  | 25-May-19     |     |                          |          |           |
| Fire Services Department B | -                                                                 |              |          |                 |               |     |                          |          |           |
| Individual Shop Drawing    |                                                                   |              |          |                 |               |     |                          |          |           |
| FSDB-ISD1040               | Authorities Review and Comment of FSDB ISD 1st batch              | 28           |          | 14 05-Sep-18 /  |               |     |                          |          |           |
| FSDB-ISD1090               | Authorities Review and Comment of FSDB ISD 2nd batch              | 28           | 50%      | 14 05-Sep-18    | A 09-May-19   |     |                          |          |           |
| Vehicular Underpass        |                                                                   |              |          |                 |               |     |                          |          |           |
| Individual Shop Drawing    |                                                                   |              |          |                 |               |     |                          |          |           |
| VU-ISD1020                 | Preparation and Resubmission of Vehicular Underpass ISD 1st batch | 12           | 100%     | 0 26-Mar-19 /   | A 26-Mar-19 A | Ι   |                          |          |           |
|                            |                                                                   |              |          |                 |               |     |                          |          |           |
|                            |                                                                   | CONTRACT I   | NO. HY20 | 17/10           |               |     | P 6/21 Date<br>26-Apr-19 | Revision | Checked A |
|                            | NORTHERN                                                          | TUNNEL CONNE | ECTION B | UILDING E&M W   | ORKS          |     |                          |          | +         |
|                            |                                                                   |              |          | S OF 20 APR 201 |               |     |                          |          |           |
|                            |                                                                   |              |          |                 | -             |     |                          |          | 1 1       |

| ID                                       | Activity                                                            | Duration | % Comp  | Remaining Sta | art        | Finish      |                                          |                       |          |                  |
|------------------------------------------|---------------------------------------------------------------------|----------|---------|---------------|------------|-------------|------------------------------------------|-----------------------|----------|------------------|
|                                          |                                                                     | (Days)   |         | Duration      |            |             | Apr                                      | 2019<br>May           | Jun      | Jul              |
| VU-ISD1030                               | ER Review and Approval of Vehicular Underpass ISD 1st batch         | 7        | 100%    | 0 26          | S-Mar-19 A | 26-Mar-19 A |                                          | Iviay                 | Jun      | Jui              |
| VU-ISD1050                               | Submission of Vehicular Underpass ISD 2nd batch                     | 15       | 100%    | 0 02          | 2-Apr-19 A | 02-Apr-19 A | 1                                        |                       |          |                  |
| VU-ISD1060                               | ER Review and Comment of Vehicular Underpass ISD 2nd batch          | 12       | 50%     | 6 03          | B-Apr-19 A | 29-Apr-19   |                                          | 3                     |          |                  |
| VU-ISD1070                               | Preparation and Resubmission of Vehicular Underpass ISD 2nd batch   | 12       | 0%      | 12 30         | )-Apr-19   | 14-May-19   |                                          |                       |          |                  |
| VU-ISD1080                               | ER Review and Approval of Vehicular Underpass ISD 2nd batch         | 7        | 0%      | 7 15          | 5-May-19   | 22-May-19   |                                          |                       |          |                  |
| VU-ISD1090                               | Authorities Review and Comment of Vehicular Underpass ISD 2nd batch | 28       | 50%     | 14 02         | 2-Apr-19 A | 09-May-19   |                                          |                       |          |                  |
| E&M Procurement                          |                                                                     |          |         |               |            |             |                                          |                       |          |                  |
| Design Related Procruemen                | nt                                                                  |          |         |               |            |             |                                          |                       |          |                  |
| Toll Control Building <i>MVAC System</i> |                                                                     |          |         |               |            |             |                                          |                       |          |                  |
| TCB-PO1040                               | Place Order - AHU & PAU                                             | 12       | 50%     | 6 16          | S-Mar-19 A | 01-Jun-19   |                                          |                       |          |                  |
| Plumbing & Drainage                      |                                                                     | 12       | 5078    | 0 10          |            | or our ro   |                                          |                       |          |                  |
| TCB-PO1100                               | Place Order - Hot Water System                                      | 12       | 0%      | 12 27         | /-May-19   | 10-Jun-19   |                                          |                       |          |                  |
| TCB-PO1120                               | Place Order - Sump Pump                                             | 12       |         |               |            | 28-Mar-19 A |                                          |                       |          |                  |
| CCMS, TCS and ELV                        |                                                                     | 12       | 10070   | 0 20          |            | 20 Mai 1077 |                                          |                       |          |                  |
| TCB-PO1140                               | Place Order - CMCS Equipment                                        | 12       | 100%    | 0 21          | -Mar-19 A  | 21-Mar-19 A | 1                                        |                       |          |                  |
| TCB-PO1150                               | Place Order - TCS Equipment                                         | 12       |         |               |            | 14-Jun-19   |                                          |                       |          |                  |
| Administration Building                  |                                                                     |          | 070     | 12 01         | inay io    | i i ouii io |                                          |                       |          |                  |
| MVAC System                              |                                                                     |          |         |               |            |             |                                          |                       |          |                  |
| ADB-PO1040                               | Place Order - AHU & PAU                                             | 12       | 50%     | 6 16          | S-Mar-19 A | 01-Jun-19   |                                          |                       |          |                  |
| Plumbing & Drainage                      |                                                                     |          | 0070    |               |            |             |                                          |                       |          |                  |
| ADB-PO1100                               | Place Order - Hot Water System                                      | 12       | 0%      | 12 27         | 7-Mav-19   | 10-Jun-19   |                                          |                       |          |                  |
| CCMS and ELV Syste                       |                                                                     |          |         |               | , -        |             |                                          |                       |          |                  |
| ADB-PO1140                               | Place Order - CMCS Equipment                                        | 12       | 100%    | 0 21          | -Mar-19 A  | 21-Mar-19 A | I                                        |                       |          |                  |
| North Ventilation Buildin                |                                                                     |          |         | -             |            |             |                                          |                       |          |                  |
| Plumbing & Drainage                      |                                                                     |          |         |               |            |             |                                          |                       |          |                  |
| NVB-PO1100                               | Place Order - Sump Pump                                             | 12       | 100%    | 0 28          | 8-Mar-19 A | 28-Mar-19 A | I. I |                       |          |                  |
| CCMS and ELV Syste                       | em                                                                  |          |         |               |            |             |                                          |                       |          |                  |
| NVB-PO1120                               | Place Order - CMCS Equipment                                        | 12       | 100%    | 0 21          | -Mar-19 A  | 21-Mar-19 A | I                                        |                       |          |                  |
| Maintenance Depot                        |                                                                     |          |         |               |            |             |                                          |                       |          |                  |
| MVAC System                              |                                                                     |          |         |               |            |             |                                          |                       |          |                  |
| MD-PO1000                                | Place Order - AHU & PAU                                             | 12       | 50%     | 6 16          | 6-Mar-19 A | 01-Jun-19   |                                          | •                     | <b>—</b> |                  |
| Plumbing & Drainage                      | e System                                                            |          |         |               |            |             |                                          |                       |          |                  |
| MD-PO1060                                | Place Order - Sump Pump                                             | 12       | 100%    | 0 28          | 8-Mar-19 A | 28-Mar-19 A | 1                                        |                       |          |                  |
| CCMS and ELV Syste                       | em en                           |          |         |               |            |             |                                          |                       |          |                  |
| MD-PO1070                                | Place Order - CMCS Equipment                                        | 12       | 100%    | 0 21          | -Mar-19 A  | 21-Mar-19 A | I                                        |                       |          |                  |
| Satellite Control Building               | 3                                                                   |          |         |               |            | ,           |                                          |                       |          |                  |
| CCMS and ELV Syste                       | em                                                                  |          |         |               |            |             |                                          |                       |          |                  |
| SCB-PO1090                               | Place Order - CMCS Equipment                                        | 12       | 100%    | 0 21          | -Mar-19 A  | 21-Mar-19 A | 1                                        |                       |          |                  |
| Costom & Excise Depart                   | ment Building                                                       |          |         |               |            |             |                                          |                       |          |                  |
| MVAC System                              |                                                                     |          |         |               |            |             |                                          |                       |          |                  |
|                                          | Place Order - AHU & PAU                                             | 12       | 50%     | 6 16          | 6-Mar-19 A | 01-Jun-19   |                                          | <b>–</b>              | <b></b>  |                  |
| CCMS and ELV Syste                       |                                                                     |          |         |               |            |             |                                          |                       |          |                  |
|                                          | Place Order - CMCS Equipment                                        | 12       | 100%    | 0 21          | -Mar-19 A  | 21-Mar-19 A | 1                                        |                       |          |                  |
| Fire Services Departmen                  |                                                                     |          |         |               |            |             |                                          |                       |          |                  |
| CCMS and ELV Syste                       |                                                                     |          |         |               |            |             |                                          |                       |          |                  |
|                                          | Place Order - CMCS Equipment                                        | 12       | 100%    | 0 21          | -Mar-19 A  | 21-Mar-19 A | l                                        |                       |          |                  |
| South Ventilation Buildin                | g                                                                   |          |         |               |            |             |                                          |                       |          |                  |
|                                          |                                                                     |          |         |               |            |             |                                          | D 7/04 Date           | Revision | Checked Approved |
|                                          |                                                                     | NTRACT I |         |               |            |             |                                          | P 7/21 Date 26-Apr-19 |          |                  |
|                                          | NORTHERN TUNN                                                       |          |         |               |            |             |                                          |                       |          |                  |
|                                          | THREE MONTH                                                         | LY PROGE | RAMME A | AS OF 20 AF   | PR 2019    |             |                                          | <b> </b>  -           |          |                  |
|                                          |                                                                     |          |         |               |            |             |                                          | <b> </b>  -           |          |                  |
| L                                        |                                                                     |          |         |               |            |             |                                          |                       |          |                  |

|                       | Activity                                                                    | Duration<br>(Days) | % Comp | Remaining Start<br>Duration | Finish      |     |     |  |
|-----------------------|-----------------------------------------------------------------------------|--------------------|--------|-----------------------------|-------------|-----|-----|--|
|                       |                                                                             | (Days)             |        | Duration                    |             |     | Apr |  |
| Plumbing & Drainag    |                                                                             |                    | 1      |                             |             |     |     |  |
| SVB-PO1090            | Place Order - Water Pump                                                    | 6                  | 100%   | 0 28-Mar-19 A               |             |     |     |  |
| SVB-PO1140            | Place Order - Sump Pump                                                     | 12                 | 100%   | 0 28-Mar-19 A               | 28-Mar-19 A | 1   |     |  |
| CCMS and ELV Sys      |                                                                             |                    | 1      | I                           |             |     |     |  |
| SVB-PO1120            | Place Order - CMCS Equipment                                                | 12                 | 100%   | 0 21-Mar-19 A               | 21-Mar-19 A | 1   |     |  |
| Vehicular Underpass   |                                                                             |                    |        |                             |             |     |     |  |
| Fire Service System   | 1                                                                           |                    |        | 1                           |             |     |     |  |
| VU-PO1040             | Place Order - Gas detection                                                 | 12                 | 0%     | 12 27-May-19                | 10-Jun-19   |     |     |  |
| Plumbing & Drainag    | ge System                                                                   |                    |        |                             |             |     |     |  |
| VU-PO1050             | Place Order - Water Pump                                                    | 12                 | 100%   | 0 28-Mar-19 A               | 28-Mar-19 A | I   |     |  |
| VU-PO1060             | Place Order - Sump Pump                                                     | 12                 | 100%   | 0 28-Mar-19 A               | 28-Mar-19 A | 1   |     |  |
| CCMS and ELV Syst     | tem                                                                         |                    |        |                             |             |     |     |  |
| VU-PO1070             | Place Order - CMCS Equipment                                                | 12                 | 100%   | 0 21-Mar-19 A               | 21-Mar-19 A | I   |     |  |
| Tunnel                |                                                                             |                    |        |                             | '           |     |     |  |
| Fire Service System   | 1                                                                           |                    |        |                             |             |     |     |  |
| TUN-PO1015            | Place Order - Gas detection                                                 | 12                 | 0%     | 12 27-May-19                | 10-Jun-19   |     |     |  |
| TUN-PO1020            | Place Order - FS Pump                                                       | 12                 | 0%     | 12 27-May-19                | 10-Jun-19   |     |     |  |
| Plumbing & Drainag    | ge System                                                                   | I                  |        | 1                           |             |     |     |  |
| TUN-PO1100            | Place Order - Sump Pump                                                     | 12                 | 100%   | 0 28-Mar-19 A               | 28-Mar-19 A | I I |     |  |
| Approach Road         |                                                                             | I                  |        |                             | 1           |     |     |  |
| CCMS and ELV Sys      | tem                                                                         |                    |        |                             |             |     |     |  |
| AR-PO1010             | Place Order - CMCS Equipment                                                | 12                 | 100%   | 0 21-Mar-19 A               | 21-Mar-19 A | I   |     |  |
| M Manufacture & Deliv | ery                                                                         |                    |        |                             |             |     |     |  |
| oll Control Building  |                                                                             |                    |        |                             |             |     |     |  |
| TCB-MD1260            | Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment   | 45                 | 50%    | 23 17-Nov-18 A              | 01-Jun-19   |     |     |  |
| TCB-MD1270            | Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment | 45                 | 50%    | 23 02-Dec-18 A              | 01-Jun-19   |     |     |  |
| MVAC System           |                                                                             |                    |        |                             | 1           |     |     |  |
| TCB-MD1010            | Manufacture & Delivery to HK - Chiller                                      | 150                | 65%    | 53 07-Mar-19 A              | 17-Jul-19   |     |     |  |
| TCB-MD1020            | Manufacture & Delivery to HK - Chilled Water Pump                           | 100                | 35%    | 65 06-Mar-19 A              | 29-Jul-19   |     |     |  |
| TCB-MD1030            | Manufacture & Delivery to HK - Computer Room Air Conditioning (CRAC) Unit   | 120                | 0%     | 120 26-May-19               | 22-Sep-19   |     |     |  |
| TCB-MD1040            | Manufacture & Delivery to HK - Cooling Tower (R/F)                          | 100                | 50%    | 50 06-Mar-19 A              | 14-Jul-19   |     |     |  |
| TCB-MD1050            | Manufacture & Delivery to HK - AHU & PAU                                    | 90                 | 0%     | 90 02-Jun-19                | 30-Aug-19   |     |     |  |
| Electrical System     |                                                                             |                    |        |                             | _           |     |     |  |
| TCB-MD1060            | Manufacture - LV Switchboard                                                | 86                 | 20%    | 69 03-Apr-19 A              | 20-Aug-19   | 1   |     |  |
| TCB-MD1070            | Manufacture - Generator                                                     | 118                | 15%    | 100 03-Apr-19 A             |             |     |     |  |
| TCB-MD1080            | Manufacture - UPS and Battery                                               | 53                 | 30%    | 37 19-Mar-19 A              | · ·         |     |     |  |
| TCB-MD1082            | FAT - UPS and Battery                                                       | 10                 | 0%     | 10 02-Jul-19                | 12-Jul-19   |     |     |  |
| TCB-MD1085            | Shipping to HK - UPS and Battery                                            | 42                 | 0%     | 42 12-Jul-19                | 23-Aug-19   |     |     |  |
| TCB-MD1090            | Manufacture & Delivery to HK - MCB & MCCB and Distribution Board            | 60                 | 40%    | 36 04-Mar-19 A              |             | 1   |     |  |
| TCB-MD1100            | Manufacture & Delivery to HK - LV Cables                                    | 120                | 50%    | 60 20-Nov-18 A              |             | ·   |     |  |
| TCB-MD1280            | Manufacture & Delivery to HK - PV System Equipment                          | 60                 | 0%     | 60 26-May-19                | 24-Jul-19   |     |     |  |
| Fire Service System   |                                                                             |                    |        |                             |             |     |     |  |
| TCB-MD1150            | Manufacture & Delivery to HK - FM200                                        | 150                | 40%    | 90 24-Dec-18 A              | 23-Aua-19   |     |     |  |
| TCB-MD1160            | Manufacture & Delivery to HK - AFA System                                   | 100                | 60%    | 40 02-Mar-19 A              | -           |     |     |  |
| TCB-MD1170            | Manufacture & Delivery to HK - FS Pump                                      | 120                | 90%    | 12 19-Mar-19 A              | -           |     |     |  |
| TCB-MD1180            | Manufacture & Delivery to HK - FR/ HR system                                | 90                 | 60%    | 36 02-Mar-19 A              |             |     |     |  |
| TCB-MD1180            | Manufacture & Delivery to HK - LMCP (FS)                                    | 60                 | 0%     | 60 20-Apr-19                | 18-Jun-19   |     |     |  |
| 100-1001190           | Internet active a Delivery to Fire- LIVIOF (1.3)                            | 00                 | U 70   | 00 20-Api-19                | 10-001-19   | 1   |     |  |

P 8/21



| ID                         | Activity                                                                    | Duration | % Comp | Remaining Start | Finish                                |                                       |          |
|----------------------------|-----------------------------------------------------------------------------|----------|--------|-----------------|---------------------------------------|---------------------------------------|----------|
|                            |                                                                             | (Days)   |        | Duration        |                                       | Apr                                   | 1        |
| TCB-MD1110                 | Manufacture & Delivery to HK - Sump Pump                                    | 120      | 0%     | 120 26-May-19   | 22-Sep-19                             |                                       |          |
| TCB-MD1120                 | Manufacture & Delivery to HK - Hot Water System                             | 120      | 0%     | 120 11-Jun-19   | 08-Oct-19                             |                                       |          |
| TCB-MD1130                 | Manufacture & Delivery to HK - LMCP (PD)                                    | 60       | 0%     | 60 26-May-19    | 24-Jul-19                             |                                       |          |
| TCB-MD1140                 | Manufacture & Delivery to HK - Water Pump                                   | 90       | 0%     | 90 26-May-19    |                                       |                                       |          |
| Lift System                |                                                                             |          |        |                 | U                                     |                                       |          |
| TCB-MD1000                 | Manufacture & Delivery to HK - Lift System                                  | 120      | 20%    | 96 03-Apr-19 A  | 24-Jul-19                             |                                       |          |
| CCMS, TCS and ELV Syste    |                                                                             |          |        |                 |                                       |                                       |          |
| TCB-MD1200                 | Manufacture - CMCS Equipment                                                | 62       | 0%     | 62 26-May-19    | 26-Jul-19                             | 1                                     |          |
| TCB-MD1210                 | Manufacture - TCS Equipment                                                 | 62       | 0%     | 62 15-Jun-19    | 15-Aug-19                             |                                       |          |
| TCB-MD1220                 | Manufacture & Delivery to HK - other ELV Equipment                          | 83       | 0%     | 83 26-May-19    | -                                     |                                       |          |
| Administration Building    |                                                                             |          |        |                 | · · · · · · · · · · · · · · · · · · · |                                       |          |
| ADB-MD1280                 | Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment   | 45       | 50%    | 23 16-Jan-19 A  | 01-Jun-19                             |                                       |          |
| ADB-MD1290                 | Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment   | 45       | 25%    | 34 26-Feb-19/   |                                       |                                       | 1        |
| ADB-MD1300                 | Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment | 45       | 25%    | 34 02-Mar-197   |                                       |                                       | 1        |
| Electrical System          |                                                                             |          | 2070   | 04 02 Mai 137   |                                       |                                       |          |
| ADB-MD1060                 | Manufacture & Delivery to HK - Busduct                                      | 60       | 65%    | 21 15-Feb-19/   | 15- lun-19                            |                                       |          |
| ADB-MD1000                 | Manufacture - LV Switchboard                                                | 86       | 35%    | 56 03-Apr-19 A  |                                       |                                       |          |
| ADB-MD1070                 | Manufacture - Cenerator                                                     | 118      | 15%    | 100 03-Apr-19 A |                                       | _                                     |          |
| ADB-MD1080                 | Manufacture - Generator<br>Manufacture - UPS and Battery                    | 53       | 0%     | 53 26-May-19    | · ·                                   | -                                     |          |
| ADB-MD1090                 | FAT - UPS and Battery                                                       |          |        | 10 18-Jul-19    | 27-Jul-19                             | -                                     |          |
|                            |                                                                             | 10       | 0%     |                 |                                       | -                                     |          |
| ADB-MD1100                 | Manufacture & Delivery to HK - MCB & MCCB and Distribution Board            | 60       | 40%    | 36 04-Mar-19    |                                       |                                       | <u>_</u> |
| ADB-MD1110                 | Manufacture & Delivery to HK - LV Cables                                    | 120      | 40%    | 72 20-Nov-18    |                                       | -                                     |          |
| ADB-MD1310                 | Manufacture & Delivery to HK - PV System Equipment                          | 60       | 0%     | 60 26-May-19    | 24-Jul-19                             |                                       |          |
| MVAC System                |                                                                             |          |        |                 |                                       | 1                                     |          |
| ADB-MD1010                 | Manufacture & Delivery to HK - Chiller                                      | 150      | 55%    | 68 06-Mar-19    | •                                     | -                                     |          |
| ADB-MD1020                 | Manufacture & Delivery to HK - Chilled Water Pump                           | 100      | 30%    | 70 06-Mar-19 A  |                                       |                                       |          |
| ADB-MD1030                 | Manufacture & Delivery to HK - Computer Room Air Conditioning (CRAC) Unit   | 120      | 0%     | 120 26-May-19   | · ·                                   | _                                     |          |
| ADB-MD1040                 | Manufacture & Delivery to HK - AHU & PAU                                    | 90       | 0%     | 90 02-Jun-19    | 30-Aug-19                             | _                                     |          |
| ADB-MD1050                 | Manufacture & Delivery to HK - Cooling Tower                                | 100      | 50%    | 50 06-Mar-19    | A 14-Jul-19                           |                                       |          |
| Fire Service System        |                                                                             |          |        |                 |                                       |                                       |          |
| ADB-MD1160                 | Manufacture & Delivery to HK - FM200                                        | 150      | 60%    | 60 24-Dec-18 /  |                                       |                                       |          |
| ADB-MD1170                 | Manufacture & Delivery to HK - AFA System                                   | 100      | 60%    | 40 02-Mar-197   |                                       |                                       |          |
| ADB-MD1180                 | Manufacture & Delivery to HK - FS Pump                                      | 120      | 70%    | 36 19-Mar-197   |                                       |                                       |          |
| ADB-MD1190                 | Manufacture & Delivery to HK - FR/ HR system                                | 90       | 60%    | 36 02-Mar-197   | A 19-Jul-19                           |                                       |          |
| ADB-MD1200                 | Manufacture & Delivery to HK - LMCP (FS)                                    | 60       | 0%     | 60 20-Apr-19    | 18-Jun-19                             |                                       | 1        |
| Plumbing & Drainage Sys    | tem                                                                         |          |        |                 |                                       |                                       |          |
| ADB-MD1130                 | Manufacture & Delivery to HK - Hot Water System                             | 120      | 0%     | 120 11-Jun-19   | 08-Oct-19                             |                                       |          |
| ADB-MD1140                 | Manufacture & Delivery to HK - LMCP (PD)                                    | 60       | 0%     | 60 26-May-19    | 24-Jul-19                             |                                       |          |
| ADB-MD1150                 | Manufacture & Delivery to HK - Water Pump                                   | 90       | 0%     | 90 26-May-19    | 23-Aug-19                             |                                       |          |
| CCMS and ELV System        |                                                                             |          |        |                 |                                       |                                       |          |
| ADB-MD1210                 | Manufacture - CMCS Equipment                                                | 62       | 0%     | 62 26-May-19    | 26-Jul-19                             |                                       |          |
| ADB-MD1220                 | Manufacture & Delivery to HK - other ELV Equipment                          | 83       | 0%     | 83 26-May-19    | 16-Aug-19                             |                                       |          |
| Lift System                |                                                                             |          |        |                 |                                       |                                       |          |
| ADB-MD1000                 | Manufacture & Delivery to HK - Lift System                                  | 120      | 20%    | 96 03-Apr-19 A  | 24-Jul-19                             |                                       |          |
| North Ventilation Building |                                                                             |          |        |                 |                                       |                                       |          |
| Electrical System          |                                                                             |          |        |                 |                                       |                                       |          |
| NVB-MD1010                 | Manufacture - HV/LV Transformer                                             | 92       | 90%    | 9 17-Jan-19 A   | 04-Jun-19                             | ······                                |          |
| NVB-MD1016                 | FAT - HV/LV Transformer                                                     | 14       | 0%     | 14 04-Jun-19    | 18-Jun-19                             |                                       |          |
|                            |                                                                             |          |        |                 |                                       | · · · · · · · · · · · · · · · · · · · |          |

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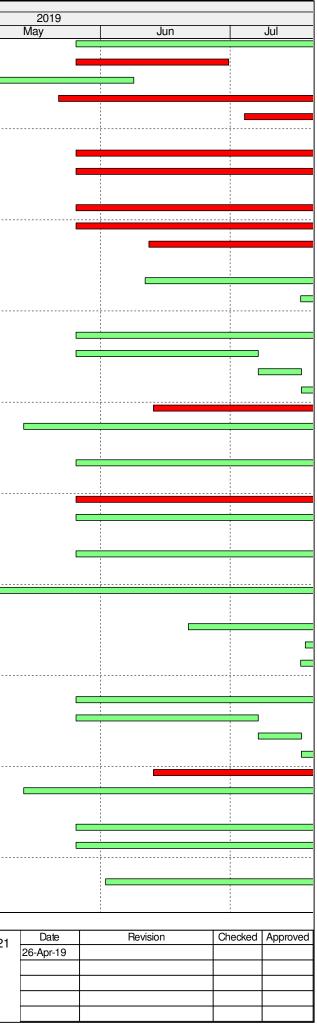
|                                   | Activity                                                                    | Duration | % Comp | Remaining<br>Duration |             | Finish      |    |   |   |
|-----------------------------------|-----------------------------------------------------------------------------|----------|--------|-----------------------|-------------|-------------|----|---|---|
|                                   |                                                                             | (Days)   |        | Duration              |             |             | Ap | r |   |
| NVB-MD1018                        | Shipping to HK - HV/LV Transformer                                          | 14       | 0%     | 14                    | 18-Jun-19   | 02-Jul-19   |    |   |   |
| NVB-MD1020                        | Manufacture - HV Switchboard                                                | 92       | 90%    | 9                     | 17-Jan-19 A | 04-Jun-19   |    |   |   |
| NVB-MD1022                        | FAT - HV Switchboard                                                        | 14       | 0%     | 14                    | 04-Jun-19   | 18-Jun-19   | _  |   |   |
| NVB-MD1025                        | Shipping to HK - HV Switchboard                                             | 14       | 0%     | 14                    | 18-Jun-19   | 02-Jul-19   |    |   |   |
| NVB-MD1030                        | Manufacture - HV Cables                                                     | 106      | 60%    | 42                    | 05-Jan-19 A | 07-Jul-19   |    |   |   |
| NVB-MD1032                        | FAT - HV Cables                                                             | 2        | 100%   | 0                     | 29-Mar-19 A | 29-Mar-19 A | 1  |   |   |
| NVB-MD1035                        | Shipping to HK - HV Cables                                                  | 14       | 0%     | 14                    | 07-Jul-19   | 21-Jul-19   |    |   |   |
| NVB-MD1040                        | Manufacture - LV Switchboard                                                | 86       | 20%    | 69                    | 03-Apr-19 A | 02-Aug-19   |    |   |   |
| NVB-MD1050                        | Manufacture - Generator                                                     | 118      | 15%    | 100                   | 03-Apr-19 A | 03-Sep-19   |    |   |   |
| NVB-MD1060                        | Manufacture - UPS and Battery                                               | 53       | 30%    | 37                    | 19-Mar-19 A | 02-Jul-19   |    |   |   |
| NVB-MD1062                        | FAT - UPS and Battery                                                       | 10       | 0%     | 10                    | 02-Jul-19   | 12-Jul-19   | -  |   |   |
| NVB-MD1065                        | Shipping to HK - UPS and Battery                                            | 42       | 0%     | 42                    | 12-Jul-19   | 23-Aug-19   | -  |   |   |
| NVB-MD1070                        | Manufacture & Delivery to HK - MCB & MCCB and Distribution Board            | 60       | 40%    | 36                    | 04-Mar-19 A | 14-Jun-19   |    |   | 1 |
| NVB-MD1080                        | Manufacture & Delivery to HK - Busduct                                      | 60       | 50%    | 30                    | 15-Feb-19 A | 24-Jun-19   |    |   |   |
| NVB-MD1090                        | Manufacture - LV Cables                                                     | 106      | 50%    | 53                    | 20-Nov-18 A | 11-Jun-19   |    |   |   |
| NVB-MD1095                        | Shipping to HK - LV Cables                                                  | 14       | 0%     | 14                    | 12-Jun-19   | 25-Jun-19   | -  |   |   |
| MVAC System                       |                                                                             |          |        |                       |             |             |    |   |   |
| NVB-MD1180                        | Manufacture - Tunnel Ventilation Fan                                        | 180      | 65%    | 63                    | 29-Nov-18 A | 21-Jun-19   |    |   |   |
| NVB-MD1190                        | FAT - Tunnel Ventilation Fan                                                | 15       |        |                       | 17-May-19   | 31-May-19   |    |   |   |
| NVB-MD1200                        | Shipping to HK - Tunnel Ventilation Fan                                     | 45       |        |                       | 22-Jun-19   | 05-Aug-19   | -  |   |   |
| NVB-MD1210                        | Manufacture & Delivery to HK - Staircase Pressurization Fan                 | 60       | 0%     |                       |             | 24-Jul-19   | -  |   |   |
| Fire Service System               |                                                                             |          | 0,0    |                       | _0          |             |    |   |   |
| NVB-MD1130                        | Manufacture & Delivery to HK - FM200                                        | 150      | 60%    | 60                    | 24-Dec-18 A | 24-Jul-19   |    |   |   |
| NVB-MD1140                        | Manufacture & Delivery to HK - AFA System                                   | 100      | 60%    |                       | 02-Mar-19 A |             |    |   |   |
| NVB-MD1150                        | Manufacture & Delivery to HK - FR/ HR system                                | 90       | 60%    |                       | 02-Mar-19 A | -           | _  |   |   |
| NVB-MD1160                        | Manufacture & Delivery to HK - FS Pump                                      | 120      | 90%    |                       | 19-Mar-19 A |             | -  |   |   |
| NVB-MD1170                        | Manufacture & Delivery to HK - LMCP (FS)                                    | 60       |        |                       | 20-Apr-19   | 18-Jun-19   | -  |   |   |
| Plumbing & Drainage               |                                                                             | 00       | 070    | 00                    | 2070010     |             |    |   |   |
| NVB-MD1100                        | Manufacture & Delivery to HK - Sump Pump                                    | 120      | 0%     | 120                   | 26-May-19   | 22-Sep-19   |    |   |   |
| NVB-MD1100                        | Manufacture & Delivery to HK - LMCP (PD)                                    | 60       |        |                       | 26-May-19   | 24-Jul-19   | -  |   |   |
| NVB-MD1120                        | Manufacture & Delivery to HK - Water Pump                                   | 90       |        |                       | 20-Apr-19   | 18-Jul-19   | -  |   |   |
|                                   |                                                                             | 30       | 078    | 50                    | 20-Api-13   | 10-001-13   |    |   |   |
| CCMS and ELV System<br>NVB-MD1220 | Manufacture - CMCS Equipment                                                | 62       | 0%     | 60                    | 26-May-19   | 26-Jul-19   |    |   |   |
| NVB-MD1220                        | Manufacture - other ELV Equipment                                           | 62       |        |                       | 26-May-19   | 26-Jul-19   |    |   |   |
|                                   |                                                                             | 02       | 078    | 02                    | 20-111ay-19 | 20-Jul-19   |    |   |   |
| Lift System<br>NVB-MD1000         | Manufacture & Delivery to HK - Lift System                                  | 120      | 20%    | 06                    | 03-Apr-19 A | 24 Jul 10   |    |   |   |
|                                   | Manufacture & Delivery to HK - Lift System                                  | 120      | 20%    | 90                    | 03-Api-19A  | 24-Jui-19   |    |   |   |
| Maintenance Depot<br>MD-MD1155    | Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment   | 45       | E09/   | 00                    | 15-Feb-19 A | 01 km 10    |    |   | , |
|                                   | Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment   | 45       |        |                       |             |             |    |   |   |
| MD-MD1165                         |                                                                             |          |        |                       | 20-Mar-19 A |             |    |   |   |
| MD-MD1175                         | Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment | 45       | 25%    | 34                    | 25-Mar-19 A | 12-Jun-19   |    |   | • |
| Electrical System                 |                                                                             | 440      | 4 50/  | 400                   | 00 4 40 4   | 00.0        |    |   |   |
| MD-MD1010                         | Manufacture - Generator                                                     | 118      |        |                       | 03-Apr-19 A | · ·         | _  |   |   |
| MD-MD1020                         | Manufacture - LV Switchboard                                                | 86       |        |                       | 03-Apr-19 A |             |    |   |   |
| MD-MD1030                         | Manufacture & Delivery to HK - MCB & MCCB and Distribution Board            | 60       | 40%    |                       | 04-Mar-19 A |             |    |   |   |
| MD-MD1040                         | Manufacture & Delivery to HK - LV Cables                                    | 120      | 50%    | 60                    | 20-Nov-18 A | 18-Jun-19   |    |   |   |
| MVAC System                       |                                                                             |          |        | _                     | 00 L :-     | 00 t 17     |    |   |   |
| MD-MD1000                         | Manufacture & Delivery to HK - AHU & PAU                                    | 90       | 0%     | 90                    | 02-Jun-19   | 30-Aug-19   |    |   |   |
| Fire Service System               |                                                                             |          |        |                       |             |             |    |   |   |

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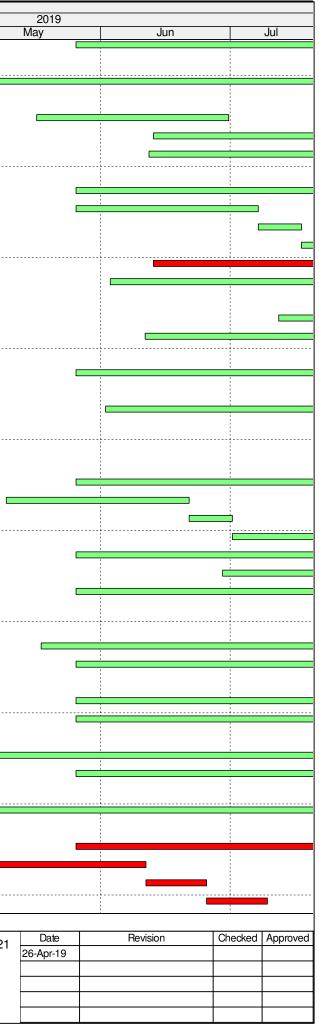
| ID |                                   | Activity                                                                    | Duration<br>(Days) | % Comp | Remaining<br>Duration | Start       | Finish    |    |     |   |
|----|-----------------------------------|-----------------------------------------------------------------------------|--------------------|--------|-----------------------|-------------|-----------|----|-----|---|
|    |                                   | Manufacture & Delivernate LIK - EM000                                       |                    | 000/   | 00                    | 04 Dec 40 1 | 04 1440   |    | Apr |   |
|    | MD-MD1080                         | Manufacture & Delivery to HK - FM200                                        | 150                | 60%    |                       | 24-Dec-18 A |           |    |     |   |
|    | MD-MD1090                         | Manufacture & Delivery to HK - FS Pump                                      | 120                | 70%    |                       | 19-Mar-19 A |           |    |     |   |
|    | MD-MD1100                         | Manufacture & Delivery to HK - AFA System                                   | 100                | 60%    |                       | 02-Mar-19 A |           | -  |     |   |
|    | MD-MD1110                         | Manufacture & Delivery to HK - LMCP (FS)                                    | 60                 | 0%     |                       | 22-May-19   | 20-Jul-19 | _  |     |   |
|    | MD-MD1120                         | Manufacture & Delivery to HK - FR/ HR system                                | 90                 | 60%    | 36                    | 02-Mar-19 A | 08-Aug-19 |    |     |   |
|    | CCMS and ELV System               |                                                                             |                    |        |                       |             |           |    |     |   |
|    | MD-MD1130                         | Manufacture - CMCS Equipment                                                | 62                 | 0%     |                       | 26-May-19   | 26-Jul-19 | _  |     |   |
|    | MD-MD1140                         | Manufacture & Delivery to HK - other ELV Equipment                          | 83                 | 0%     | 83                    | 26-May-19   | 16-Aug-19 |    |     |   |
|    | Plumbing & Drainage Sys           | tem                                                                         |                    |        |                       |             |           |    |     |   |
|    | MD-MD1050                         | Manufacture & Delivery to HK - Sump Pump                                    | 120                | 0%     | 120                   | 26-May-19   | 22-Sep-19 |    |     |   |
|    | MD-MD1060                         | Manufacture & Delivery to HK - Water Pump                                   | 90                 | 0%     | 90                    | 26-May-19   | 23-Aug-19 |    |     |   |
|    | MD-MD1070                         | Manufacture & Delivery to HK - LMCP (PD)                                    | 60                 | 0%     | 60                    | 12-Jun-19   | 10-Aug-19 |    |     |   |
|    | Satellite Control Building        |                                                                             |                    |        |                       |             |           |    |     |   |
|    | SCB-MD1175                        | Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment   | 45                 | 0%     | 45                    | 11-Jun-19   | 25-Jul-19 |    |     |   |
|    | SCB-MD1195                        | Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment | 45                 | 0%     | 45                    | 17-Jul-19   | 30-Aug-19 | -  |     |   |
|    | Electrical System                 |                                                                             |                    |        |                       |             |           |    |     |   |
|    | SCB-MD1020                        | Manufacture - Generator                                                     | 118                | 15%    | 100                   | 17-Apr-19 A | 03-Sep-19 |    |     |   |
|    | SCB-MD1030                        | Manufacture - UPS and Battery                                               | 53                 | 20%    | 42                    | 26-Mar-19 A | 07-Jul-19 |    |     |   |
|    | SCB-MD1032                        | FAT - UPS and Battery                                                       | 10                 | 0%     | 10                    | 07-Jul-19   | 17-Jul-19 | -  |     |   |
|    | SCB-MD1035                        | Shipping to HK - UPS and Battery                                            | 42                 | 0%     | 42                    | 17-Jul-19   | 28-Aug-19 | -  |     |   |
|    | SCB-MD1040                        | Manufacture - LV Switchboard                                                | 86                 | 0%     |                       | 13-Jun-19   | 06-Sep-19 |    |     |   |
|    | SCB-MD1060                        | Manufacture & Delivery to HK - LV Cables                                    | 120                | 10%    |                       | 20-Nov-18 A | · ·       |    |     |   |
|    | MVAC System                       |                                                                             |                    |        |                       |             |           |    |     |   |
|    | SCB-MD1010                        | Manufacture & Delivery to HK - Computer Room Air Conditioning (CRAC) Unit   | 120                | 0%     | 120                   | 26-May-19   | 22-Sep-19 |    |     |   |
|    | Fire Service System               |                                                                             | 120                | 0,0    |                       | 20 May 10   | 22 COp 10 |    |     |   |
|    | SCB-MD1100                        | Manufacture & Delivery to HK - FM200                                        | 150                | 0%     | 150                   | 26-May-19   | 22-Oct-19 |    |     |   |
|    | SCB-MD1110                        | Manufacture & Delivery to HK - FS Pump                                      | 120                | 0%     |                       | 26-May-19   | 22-Sep-19 | -  |     |   |
|    |                                   |                                                                             | 120                | 070    | 120                   | 20 May 10   | 22 000 10 |    |     |   |
|    | CCMS and ELV System<br>SCB-MD1160 | Manufacture & Delivery to HK - other ELV Equipment                          | 83                 | 0%     | 83                    | 26-May-19   | 16-Aug-19 |    |     |   |
|    |                                   |                                                                             | 03                 | 076    | 03                    | 20-111ay-19 | 10-Aug-19 |    |     |   |
|    | Lift System<br>SCB-MD1000         | Manufacture & Delivery to HK - Lift System                                  | 120                | 000/   | 00                    | 00 Amr 10 A | 04 10 10  |    |     |   |
|    |                                   |                                                                             | 120                | 20%    | 90                    | 03-Apr-19 A | 24-Jui-19 |    |     |   |
|    | Costom & Excise Departme          |                                                                             | 45                 | 00(    | 45                    | 04 1 40     | 04.4 . 40 |    |     |   |
|    | CEDB-MD1195                       | Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment   | 45                 | 0%     |                       | 21-Jun-19   | 04-Aug-19 | -  |     |   |
|    | CEDB-MD1205                       | Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment   | 45                 | 0%     |                       | 18-Jul-19   | 31-Aug-19 | -  |     |   |
|    | CEDB-MD1215                       | Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment | 45                 | 0%     | 45                    | 17-Jul-19   | 30-Aug-19 |    |     |   |
|    | Electrical System                 |                                                                             |                    |        |                       |             |           |    |     |   |
|    | CEDB-MD1020                       | Manufacture - Generator                                                     | 118                | 15%    |                       | 03-Apr-19 A | 03-Sep-19 | _  |     |   |
|    | CEDB-MD1030                       | Manufacture - UPS and Battery                                               | 53                 | 20%    |                       | 26-Mar-19 A |           |    |     |   |
|    | CEDB-MD1032                       | FAT - UPS and Battery                                                       | 10                 | 0%     |                       | 07-Jul-19   | 17-Jul-19 | _  |     |   |
|    | CEDB-MD1035                       | Shipping to HK - UPS and Battery                                            | 42                 | 0%     | 42                    | 17-Jul-19   | 28-Aug-19 |    |     |   |
|    | CEDB-MD1040                       | Manufacture - LV Switchboard                                                | 86                 | 0%     | 86                    | 13-Jun-19   | 06-Sep-19 |    |     |   |
|    | CEDB-MD1050                       | Manufacture & Delivery to HK - LV Cables                                    | 120                | 10%    | 108                   | 20-Nov-18 A | 29-Aug-19 |    |     |   |
|    | Fire Service System               |                                                                             |                    |        |                       |             |           |    |     |   |
|    | CEDB-MD1090                       | Manufacture & Delivery to HK - FM200                                        | 150                | 0%     | 150                   | 26-May-19   | 22-Oct-19 |    |     |   |
|    | CEDB-MD1100                       | Manufacture & Delivery to HK - FS Pump                                      | 120                | 0%     | 120                   | 26-May-19   | 22-Sep-19 |    |     |   |
|    | Plumbing & Drainage Sys           | tem                                                                         |                    |        |                       |             |           |    |     |   |
|    | CEDB-MD1080                       | Manufacture & Delivery to HK - Water Pump                                   | 90                 | 0%     | 90                    | 02-Jun-19   | 30-Aug-19 |    |     |   |
|    | CCMS and ELV System               |                                                                             |                    |        |                       |             | -         |    |     |   |
|    |                                   |                                                                             |                    |        |                       |             |           | u; |     | : |

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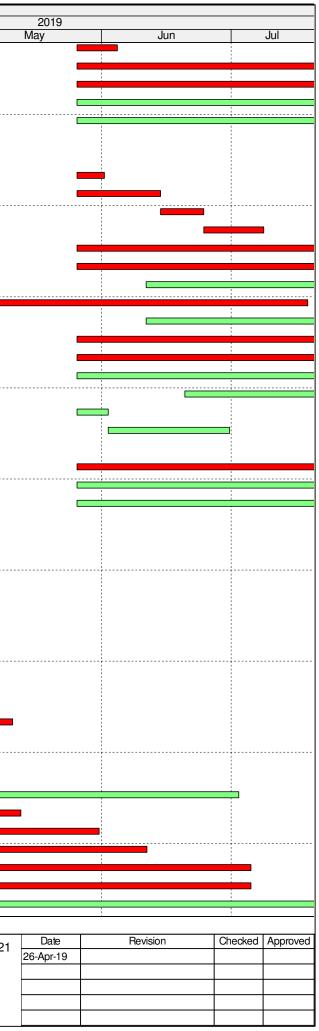
| ID                         | Activity                                                                    | Duration | % Comp | Remaining Start | Finish    |     |       |
|----------------------------|-----------------------------------------------------------------------------|----------|--------|-----------------|-----------|-----|-------|
|                            |                                                                             | (Days)   |        | Duration        |           | Apr | <br>1 |
| CEDB-MD1180                | Manufacture & Delivery to HK - other ELV Equipment                          | 83       | 0%     | 83 26-May-19    | 16-Aug-19 |     | -     |
| Lift System                |                                                                             |          |        |                 |           |     |       |
| CEDB-MD1000                | Manufacture & Delivery to HK - Lift System                                  | 120      | 20%    | 96 03-Apr-19 A  | 24-Jul-19 |     |       |
| Fire Services Department B | uilding                                                                     |          |        |                 |           |     |       |
| FSDB-MD1155                | Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment   | 45       | 0%     | 45 17-May-19    | 30-Jun-19 |     |       |
| FSDB-MD1165                | Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment   | 45       | 0%     | 45 13-Jun-19    | 27-Jul-19 |     |       |
| FSDB-MD1175                | Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment | 45       | 0%     | 45 12-Jun-19    | 26-Jul-19 |     |       |
| Electrical System          |                                                                             |          |        |                 |           |     |       |
| FSDB-MD1000                | Manufacture - Generator                                                     | 118      | 15%    | 100 03-Apr-19 A | 03-Sep-19 |     |       |
| FSDB-MD1010                | Manufacture - UPS and Battery                                               | 53       | 20%    | 42 26-Mar-19 A  | 07-Jul-19 |     |       |
| FSDB-MD1012                | FAT - UPS and Battery                                                       | 10       | 0%     | 10 07-Jul-19    | 17-Jul-19 |     |       |
| FSDB-MD1015                | Shipping to HK - UPS and Battery                                            | 42       | 0%     | 42 17-Jul-19    | 28-Aug-19 |     |       |
| FSDB-MD1020                | Manufacture - LV Switchboard                                                | 86       | 0%     | 86 13-Jun-19    | 06-Sep-19 |     | <br>  |
| FSDB-MD1030                | Manufacture & Delivery to HK - LV Cables                                    | 120      | 10%    | 108 20-Nov-18 A | 18-Sep-19 |     |       |
| Fire Service System        |                                                                             |          |        |                 |           |     |       |
| FSDB-MD1090                | Manufacture & Delivery to HK - FS Pump                                      | 120      | 0%     | 120 12-Jul-19   | 08-Nov-19 | 1   |       |
| FSDB-MD1185                | Manufacture & Delivery to HK - FM200                                        | 150      | 0%     | 150 11-Jun-19   | 07-Nov-19 |     |       |
| Plumbing & Drainage Syst   | tem                                                                         |          |        |                 |           |     | <br>  |
| FSDB-MD1060                | Manufacture & Delivery to HK - Water Pump                                   | 90       | 0%     | 90 26-May-19    | 23-Aug-19 |     |       |
| CCMS and ELV System        |                                                                             |          |        |                 |           |     |       |
| FSDB-MD1140                | Manufacture & Delivery to HK - other ELV Equipment                          | 83       | 0%     | 83 02-Jun-19    | 23-Aug-19 |     |       |
| South Ventilation Building |                                                                             |          |        |                 |           |     |       |
| SVB-MD1225                 | Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment   | 45       | 50%    | 23 21-Mar-19 A  | 05-Nov-19 |     | <br>  |
| Electrical System          |                                                                             |          |        |                 |           |     |       |
| SVB-MD1000                 | Manufacture - Generator                                                     | 118      | 15%    | 100 03-Apr-19 A | 03-Sep-19 |     |       |
| SVB-MD1010                 | Manufacture - UPS and Battery                                               | 53       | 20%    | 42 26-Mar-19 A  | 21-Jun-19 |     | (     |
| SVB-MD1012                 | FAT - UPS and Battery                                                       | 10       | 0%     | 10 21-Jun-19    | 01-Jul-19 | -   |       |
| SVB-MD1015                 | Shipping to HK - UPS and Battery                                            | 42       | 0%     | 42 01-Jul-19    | 12-Aug-19 |     | <br>  |
| SVB-MD1020                 | Manufacture - HV/LV Transformer                                             | 92       | 0%     | 92 26-May-19    | 25-Aug-19 | -   |       |
| SVB-MD1030                 | Manufacture - LV Switchboard                                                | 86       | 0%     | 86 29-Jun-19    | 22-Sep-19 | -   |       |
| SVB-MD1040                 | Manufacture - HV Switchboard                                                | 92       | 0%     | 92 26-May-19    | 25-Aug-19 | -   |       |
| SVB-MD1070                 | Manufacture & Delivery to HK - LV Cables                                    | 120      | 10%    | 108 20-Nov-18 A | 17-Nov-19 |     |       |
| MVAC System                | · ·                                                                         |          |        |                 |           |     | <br>  |
| SVB-MD1170                 | Manufacture - Tunnel Ventilation Fan                                        | 180      | 0%     | 180 18-May-19   | 13-Nov-19 |     |       |
| SVB-MD1180                 | Manufacture & Delivery to HK - Staircase Pressurization Fan                 | 60       | 0%     | 60 26-May-19    | 24-Jul-19 |     |       |
| Fire Service System        | · · ·                                                                       |          |        |                 |           |     |       |
| SVB-MD1120                 | Manufacture & Delivery to HK - FM200                                        | 150      | 0%     | 150 26-May-19   | 22-Oct-19 |     |       |
| SVB-MD1130                 | Manufacture & Delivery to HK - FS Pump                                      | 120      | 0%     | 120 26-May-19   | 22-Sep-19 |     | <br>  |
| Plumbing & Drainage Syst   |                                                                             |          |        | ·               |           |     |       |
| SVB-MD1100                 | Manufacture & Delivery to HK - Water Pump                                   | 90       | 0%     | 90 30-Apr-19    | 29-Jul-19 |     |       |
| SVB-MD1255                 | Manufacture & Delivery to HK - Sump Pump                                    | 120      | 0%     | 120 26-May-19   | 22-Sep-19 |     |       |
| Lift System                |                                                                             |          |        | ·               |           |     |       |
| SVB-MD1190                 | Manufacture & Delivery to HK - Lift System                                  | 120      | 20%    | 96 03-Apr-19 A  | 24-Jul-19 |     | <br>  |
| Vehicular Underpass        |                                                                             |          |        |                 |           |     |       |
| VU-MD1000                  | Manufacture & Delivery to HK - Pressurization Fan                           | 90       | 0%     | 90 26-May-19    | 23-Aug-19 |     |       |
| VU-MD1010                  | Manufacture - Jet Fan                                                       | 62       | 15%    | 53 19-Dec-18 A  |           |     | -     |
| VU-MD1012                  | FAT - Jet Fan                                                               | 14       | 0%     | 14 11-Jun-19    | 25-Jun-19 | -   |       |
| VU-MD1015                  | Shipping to HK- Jet Fan                                                     | 14       | 0%     | 14 25-Jun-19    | 09-Jul-19 |     | <br>  |
|                            |                                                                             |          |        |                 |           | L   |       |

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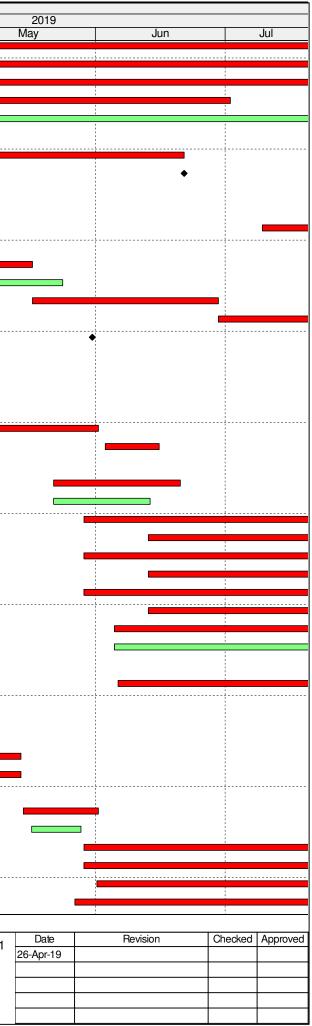
| ID                            | Activity                                                    | Duration | % Comp                                | Remaining |             | Finish      |             |     |   |   |
|-------------------------------|-------------------------------------------------------------|----------|---------------------------------------|-----------|-------------|-------------|-------------|-----|---|---|
|                               |                                                             | (Days)   |                                       | Duration  |             |             |             | Apr |   |   |
| VU-MD1020                     | Manufacture & Delivery to HK - Tunnel Lighting System       | 100      | 90%                                   | 10        | 20-Dec-18 A | 04-Jun-19   |             |     |   | _ |
| VU-MD1030                     | Manufacture & Delivery to HK - Sump Pump                    | 120      | 0%                                    | 120       | 26-May-19   | 22-Sep-19   |             |     |   |   |
| VU-MD1040                     | Manufacture & Delivery to HK - Water Pump                   | 90       | 0%                                    | 90        | 26-May-19   | 23-Aug-19   |             |     |   |   |
| VU-MD1060                     | Manufacture - CMCS Equipment                                | 62       | 0%                                    | 62        | 26-May-19   | 26-Jul-19   |             |     |   |   |
| VU-MD1070                     | Manufacture & Delivery to HK - other ELV Equipment          | 90       | 0%                                    | 90        | 26-May-19   | 23-Aug-19   |             |     |   |   |
| Tunnel                        |                                                             |          |                                       |           |             |             |             |     |   |   |
| TUN-MD1001                    | FAT - Tunnel Lighting System (1st Batch)                    | 10       | 100%                                  | 0         | 29-Mar-19 A | 09-Apr-19 A |             |     |   |   |
| TUN-MD1002                    | Shipping to HK - Tunnel Lighting System (1st Batch)         | 14       | 50%                                   | 7         | 09-Apr-19 A | 01-Jun-19   |             |     |   |   |
| TUN-MD1003                    | Manufacture - Tunnel Lighting System (2nd Batch)            | 66       | 70%                                   | 20        | 28-Jan-19 A | 14-Jun-19   | · · · · · · |     |   |   |
| TUN-MD1004                    | FAT - Tunnel Lighting System (2nd Batch)                    | 10       | 0%                                    | 10        | 14-Jun-19   | 24-Jun-19   |             |     |   |   |
| TUN-MD1005                    | Shipping to HK - Tunnel Lighting System (2nd Batch)         | 14       | 0%                                    | 14        | 24-Jun-19   | 08-Jul-19   |             |     |   |   |
| TUN-MD1006                    | Manufacture - Tunnel Lighting System (3rd Batch)            | 66       | 0%                                    | 66        | 26-May-19   | 30-Jul-19   |             |     |   |   |
| TUN-MD1009                    | Manufacture - Tunnel Lighting System (4th Batch)            | 66       | 0%                                    | 66        | 26-May-19   | 30-Jul-19   |             |     |   |   |
| TUN-MD1015                    | Manufacture & Delivery to HK - Gas detection                | 90       | 0%                                    | 90        | 11-Jun-19   | 08-Sep-19   |             |     |   |   |
| TUN-MD1020                    | Manufacture & Delivery to HK - LHD system                   | 90       | 0%                                    | 90        | 20-Apr-19   | 18-Jul-19   |             |     |   |   |
| TUN-MD1030                    | Manufacture & Delivery to HK - FS Pump                      | 60       | 0%                                    | 60        | 11-Jun-19   | 09-Aug-19   |             |     |   |   |
| TUN-MD1040                    | Manufacture - CMCS Equipment                                | 62       | 0%                                    | 62        | 26-May-19   | 26-Jul-19   |             |     |   |   |
| TUN-MD1050                    | Manufacture & Delivery to HK - other ELV Equipment          | 90       | 0%                                    | 90        | 26-May-19   | 23-Aug-19   |             |     |   |   |
| TUN-MD1060                    | Manufacture & Delivery to HK - Sump Pump                    | 120      | 0%                                    | 120       | 26-May-19   | 22-Sep-19   |             |     |   |   |
| TUN-MD1070                    | Manufacture - AQMS Equipment                                | 69       | 0%                                    | 69        | 20-Jun-19   | 27-Aug-19   |             |     |   |   |
| TUN-MD1100                    | Manufacture - MFSD                                          | 78       | 90%                                   | 8         | 10-Jan-19 A | 02-Jun-19   |             |     |   |   |
| TUN-MD1120                    | Shipping to HK - MFSD Equipment                             | 28       | 0%                                    | 28        | 02-Jun-19   | 30-Jun-19   |             |     |   |   |
| Approach Road                 |                                                             |          |                                       |           |             |             |             |     |   |   |
| AR-MD1000                     | Manufacture & Delivery to HK - Road Lighting Fitting        | 90       | 30%                                   | 63        | 21-Mar-19 A | 27-Jul-19   |             |     |   |   |
| AR-MD1010                     | Manufacture - CMCS Equipment                                | 62       | 0%                                    | 62        | 26-May-19   | 26-Jul-19   |             |     |   |   |
| AR-MD1020                     | Manufacture & Delivery to HK - other ELV Equipment          | 83       | 0%                                    | 83        | 26-May-19   | 16-Aug-19   |             |     |   |   |
| Key Date 4A - FSD Building S  | Substructure, Boundary Wall, and C&ED Building Substructure |          |                                       |           |             |             |             |     |   |   |
| FSD Building Substructure     |                                                             |          |                                       |           |             |             |             |     |   |   |
| FSD160                        | Building Substructure                                       | 26       | 100%                                  | 0         | 20-Mar-19 A | 30-Mar-19 A |             |     |   |   |
| FSD170                        | Removal of ELS                                              | 16       | 100%                                  | 0         | 20-Mar-19 A | 30-Mar-19 A |             |     |   |   |
| Boundary Wall for FSD Build   | ding                                                        |          |                                       |           |             |             |             |     |   |   |
| FSD250                        | Backfilling                                                 | 4        | 100%                                  | 0         | 26-Mar-19 A | 29-Mar-19 A |             |     |   |   |
| C&ED Building Substructure    | e                                                           |          | · · · · · · · · · · · · · · · · · · · |           |             |             |             |     |   |   |
| CED180                        | Building Substructure                                       | 25       | 100%                                  | 0         | 20-Mar-19 A | 30-Mar-19 A |             |     |   |   |
| CED190                        | Removal of ELS                                              | 6        | 100%                                  | 0         | 20-Mar-19 A | 30-Mar-19 A |             |     |   |   |
| CED200                        | KD4A Achieved                                               | 0        | 100%                                  | 0         |             | 30-Mar-19 A | •           |     |   |   |
| Remaining Works               |                                                             |          |                                       |           |             | ·           |             |     |   |   |
| FSDCED100                     | Remaining Substructure                                      | 31       | 50%                                   | 16        | 01-Apr-19 A | 11-May-19   | •           |     |   |   |
| Key Date 1 - Toll Control Bui | lding (TCB) & TCSS Provision                                |          |                                       |           |             |             |             |     |   |   |
| ABWF Works (for All)          |                                                             |          |                                       |           |             |             |             |     |   |   |
| ATCB1000                      | Blockwork Walls                                             | 60       | 83.33%                                | 10        | 28-Nov-18 A | 06-May-19   |             |     |   |   |
| ATCB1010                      | Door and Window Frames                                      | 58       | 0%                                    | 58        | 23-Apr-19   | 02-Jul-19   |             |     |   |   |
| ATCB1020                      | ABWF Works to Plant Rooms G/F                               | 81       | 80%                                   | 16        | 11-Dec-18 A | 13-May-19   |             |     |   |   |
| ATCB1021                      | ABWF Works to Plant Rooms 1/F                               | 81       | 60%                                   | 32        | 18-Dec-18 A | 31-May-19   |             |     |   |   |
| ATCB1022                      | ABWF Works to Plant Rooms 2/F                               | 81       | 50%                                   | 41        | 27-Dec-18 A | 11-Jun-19   |             |     |   |   |
| ATCB1050                      | ABWF Works to Office and Corridors G/F                      | 152      | 60%                                   | 61        | 11-Dec-18 A | 05-Jul-19   |             |     |   |   |
| ATCB1051                      | ABWF Works to Office and Corridors 1/F                      | 152      | 60%                                   | 61        | 27-Dec-18 A | 05-Jul-19   |             |     |   |   |
| ATCB1052                      | ABWF Works to Office and Corridors 2/F                      | 152      | 50%                                   | 76        | 11-Jan-19 A | 23-Jul-19   |             |     |   |   |
|                               |                                                             |          |                                       |           |             |             |             |     | · |   |

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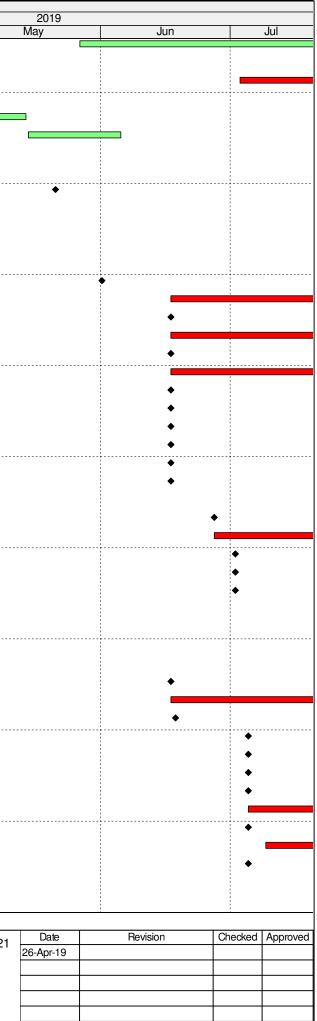
|                           | Activity                                                   | Duration<br>(Days) | % Comp           | Remaining Start<br>Duration | Finish    | Apr  |   |
|---------------------------|------------------------------------------------------------|--------------------|------------------|-----------------------------|-----------|------|---|
| ATCB1080                  | ABWF Works to Toilets G/F                                  | 163                | 50%              | 82 18-Feb-19 A              | 30-Jul-19 |      | - |
| ATCB1081                  | ABWF Works to Toilets 1/F                                  | 163                | 50%              | 82 18-Feb-19 A              | 30-Jul-19 | <br> |   |
| ATCB1082                  | ABWF Works to Toilets 2/F                                  | 163                | 50%              | 82 18-Feb-19 A              |           |      |   |
| ATCB1110                  | Waterproofing and Roofing                                  | 47                 | 0%               |                             | 02-Jul-19 |      |   |
| ATCB1120                  | External Cladding and Wall Plastering                      | 94                 | 0%               | 94 06-May-19                | 26-Aug-19 |      |   |
| TCSS Provision            |                                                            |                    | 070              | on oo may ro                | Lo rug ro |      |   |
| TCB220                    | Cable Containment Installation to enable TCSS installation | 90                 | 45%              | 50 15-Feb-19 A              | 21-Jun-19 |      |   |
| TCB230                    | KD1 Achieved                                               | 0                  | 0%               | 0                           | 21-Jun-19 |      |   |
|                           |                                                            | 0                  | 078              | 0                           | 21-Jun-13 |      |   |
| E&M Works                 | s in Vehicular Underpass Area & TCSS Provision             |                    |                  |                             |           |      |   |
| VU110                     | Jet Fans installation                                      | 04                 | 0%               | 24 09-Jul-19                | 06 Aug 10 |      |   |
|                           |                                                            | 24                 |                  |                             | 06-Aug-19 | <br> |   |
| VU120                     | Cable containment Installation                             | 24                 | 90%              | 2 22-Mar-19 A               | · ·       |      |   |
| VU130                     | Post Drill and Bracket Fixing                              | 18                 | 0%               | 18 25-Apr-19                | 17-May-19 |      |   |
| VU140                     | Dampers installation                                       | 24                 | 0%               | 24 25-Apr-19                | 24-May-19 |      |   |
| VU150                     | Cabling Works                                              | 36                 | 0%               | 36 17-May-19                | 29-Jun-19 |      |   |
| VU170                     | High Level works - Tunnel Lighting                         | 39                 | 0%               | 39 29-Jun-19                | 15-Aug-19 | <br> |   |
| VU200                     | Possess Portion XI                                         | 0                  | 0%               | 0 31-May-19                 |           |      |   |
|                           | tion Building, Maintenance Depot, Kiosk N2, TCSS Provision |                    |                  |                             |           |      |   |
| Administration Building   | g(ADB)                                                     |                    |                  |                             |           |      |   |
| <b>Building Structure</b> |                                                            |                    |                  |                             |           |      |   |
| ADB190                    | First Floor                                                | 30                 | 60%              | 12 03-Apr-19 A              | 07-May-19 |      |   |
| ADB200                    | Roof Slab                                                  | 28                 | 0%               | 28 30-Apr-19                | 01-Jun-19 |      |   |
| ADB210                    | Top Roof                                                   | 11                 | 0%               | 11 03-Jun-19                | 15-Jun-19 |      |   |
| ABWF Works (for All)      |                                                            |                    |                  |                             |           |      |   |
| AADB1130                  | Blockwork Walls                                            | 25                 | 0%               | 25 22-May-19                | 20-Jun-19 |      |   |
| AADB1140                  | Door and Window Frames                                     | 19                 | 0%               | 19 22-May-19                | 13-Jun-19 |      |   |
| AADB1150                  | ABWF Works to Plant Rooms G/F                              | 52                 | 0%               | 52 29-May-19                | 30-Jul-19 | <br> |   |
| AADB1151                  | ABWF Works to Plant Rooms 1/F                              | 52                 | 0%               | 52 13-Jun-19                | 13-Aug-19 |      |   |
| AADB1160                  | ABWF Works to Office and Corridors G/F                     | 126                | 0%               | 126 29-May-19               | 28-Oct-19 |      |   |
| AADB1161                  | ABWF Works to Office and Corridors 1/F                     | 126                | 0%               | 126 13-Jun-19               | 11-Nov-19 |      |   |
| AADB1170                  | ABWF Works to Toilets G/F                                  | 132                | 0%               | 132 29-May-19               | 04-Nov-19 |      |   |
| AADB1171                  | ABWF Works to Toilets 1/F                                  | 132                | 0%               | 132 13-Jun-19               | 18-Nov-19 | <br> |   |
| AADB1180                  | Waterproofing and Roofing                                  | 48                 | 0%               | 48 05-Jun-19                | 01-Aug-19 |      |   |
| AADB1190                  | External Cladding and Wall Plastering                      | 98                 | 0%               | 98 05-Jun-19                | 30-Sep-19 |      |   |
| Provision for TCSS Ins    |                                                            |                    |                  |                             |           |      |   |
| ADB250                    | Cable Containment Installation to enable TCSS installation | 74                 | 0%               | 74 06-Jun-19                | 02-Sep-19 |      |   |
| Maintenance Depot         |                                                            |                    | 070              |                             |           | <br> |   |
| •                         |                                                            |                    |                  |                             |           |      |   |
| Depot Structure<br>MD160  | Ground Floor                                               | 39                 | 79.49%           | 8 14-Jan-19 A               | 02-May 10 |      |   |
| MD160                     | Roof Slab                                                  | 44                 | 79.49%<br>59.09% |                             |           |      |   |
|                           |                                                            |                    |                  | 18 13-Mar-19 A              | -         |      | 1 |
| MD180                     | Top Roof                                                   | 16                 | 0%               | 16 25-Apr-19                | 14-May-19 | <br> |   |
| ABWF Works (for All)      |                                                            |                    | 001              |                             | 04 1 40   |      |   |
| AMD1000                   | Blockwork Walls                                            | 16                 | 0%               |                             | 01-Jun-19 |      |   |
| AMD1010                   | Door and Window Frames                                     | 10                 | 0%               | 10 17-May-19                | 28-May-19 |      |   |
| AMD1020                   | ABWF Works to Plant Rooms                                  | 58                 | 0%               | 58 29-May-19                | 06-Aug-19 |      |   |
| AMD1030                   | ABWF Works to Office and Corridors                         | 132                | 0%               | 132 29-May-19               | 04-Nov-19 | <br> |   |
| AMD1040                   | ABWF Works to Toilets                                      | 144                | 0%               | 144 01-Jun-19               | 21-Nov-19 |      |   |
| AMD1050                   | Waterproofing and Roofing                                  | 51                 | 0%               | 51 27-May-19                | 26-Jul-19 |      |   |

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| ID                          | Activity                                                                       | Duration | % Comp | Remaining Start | Finish    |     |   |
|-----------------------------|--------------------------------------------------------------------------------|----------|--------|-----------------|-----------|-----|---|
|                             |                                                                                | (Days)   |        | Duration        |           | Apr | 1 |
| AMD1060                     | External Cladding and Wall Plastering                                          | 98       | 0%     | 98 27-May-19    | 20-Sep-19 |     |   |
| Provision for TCSS Installa | ition                                                                          |          |        |                 |           |     |   |
| MD210                       | Cable Containment Installation to enable TCSS installation                     | 62       | 0%     | 62 03-Jul-19    | 12-Sep-19 |     |   |
| Kiosk N2                    |                                                                                |          |        |                 |           |     |   |
| N2-130                      | ABWF Works to enable TCSS installation                                         | 18       | 0%     | 18 23-Apr-19    | 14-May-19 |     | - |
| N2-140                      | Cable Containment Installation to enable TCSS installation                     | 19       | 0%     | 19 15-May-19    | 05-Jun-19 |     |   |
| Key Date 6 - E&M Works for  | Administration Building, Maintenance Depot, North Vent Building, Kiosk N2      |          |        |                 |           |     |   |
| ABWF Works for Administra   | ation Building (Structure Completed under KD2)                                 |          |        |                 |           |     |   |
| EADB110                     | ADB First Floor Completed with Scaffolding Removed                             | 0        | 0%     | 0               | 21-May-19 |     |   |
| E&M Works for Administrat   | tion Building                                                                  |          |        |                 |           |     |   |
| Installation                |                                                                                |          |        |                 |           |     |   |
| ADB-EMGF0001                | E&M cast-in Installation                                                       | 42       | 69.05% | 13 31-Jan-19 A  | 08-May-19 |     |   |
| G/F                         |                                                                                |          |        |                 |           |     |   |
| ADB-EMGF1000                | ABWF Works ready for E&M Mobilization to General Areas - G/F                   | 0        | 0%     | 0 01-Jun-19     |           |     |   |
| ADB-EMGF1010                | E&M Installation - 1st fix - G/F                                               | 46       | 0%     | 46 17-Jun-19    | 09-Aug-19 |     |   |
| ADB-EMGF1040                | ABWF Works ready for E&M Mobilization to 11kV Swtich & Tx Room 1 - G/F         | 0        | 0%     | 0 17-Jun-19     |           |     |   |
| ADB-EMGF1050                | E&M Installation - 11kV Swtich & Tx Room 1 - G/F                               | 46       | 0%     | 46 17-Jun-19    | 09-Aug-19 |     |   |
| ADB-EMGF1100                | ABWF Works ready for E&M Mobilization to 11kV Swtich & Tx Room 2 - G/F         | 0        | 0%     | 0 17-Jun-19     |           |     |   |
| ADB-EMGF1110                | E&M Installation - 11kV Swtich & Tx Room 2 - G/F                               | 46       | 0%     | 46 17-Jun-19    | 09-Aug-19 |     |   |
| ADB-EMGF1160                | ABWF Works ready for E&M Mobilization to LV Switch Room - G/F                  | 0        | 0%     | 0 17-Jun-19     |           |     |   |
| ADB-EMGF1200                | ABWF Works ready for E&M Mobilization to Generator Room & Fuel Tank Room - G/F | 0        | 0%     | 0 17-Jun-19     |           |     |   |
| ADB-EMGF1230                | ABWF Works ready for E&M Mobilization to MVAC Plant Rooms - G/F                | 0        | 0%     | 0 17-Jun-19     |           |     |   |
|                             | ABWF Works ready for E&M Mobilization to FS Plant Rooms - G/F                  | 0        | 0%     | 0 17-Jun-19     |           |     |   |
| ADB-EMGF1270                | ABWF Works ready for E&M Mobilization to PD Plant Rooms - G/F                  | 0        | 0%     | 0 17-Jun-19     |           |     |   |
| ADB-EMGF1290                | ABWF Works ready for E&M Mobilization to ELV Plant Rooms - G/F                 | 0        | 0%     | 0 17-Jun-19     |           |     |   |
| 1/F                         |                                                                                |          |        |                 |           |     |   |
| ADB-EM1F1000                | ABWF Works ready for E&M Mobilization to General Areas - 1/F                   | 0        | 0%     | 0 27-Jun-19     |           |     |   |
| ADB-EM1F1010                | E&M Installation - 1st fix - 1/F                                               | 40       | 0%     | 40 27-Jun-19    | 13-Aug-19 |     |   |
| ADB-EM1F1050                | ABWF Works ready for E&M Mobilization to MVAC Plant Rooms - 1/F                | 0        | 0%     | 0 02-Jul-19     | 0         |     |   |
|                             | ABWF Works ready for E&M Mobilization to Electical Plant Rooms - 1/F           | 0        | 0%     | 0 02-Jul-19     |           |     |   |
|                             | ABWF Works ready for E&M Mobilization to ELV Plant Rooms - 1/F                 | 0        | 0%     | 0 02-Jul-19     |           |     |   |
| E&M Works for Maintenan     |                                                                                |          |        |                 |           |     |   |
| Installaltion               |                                                                                |          |        |                 |           |     |   |
| MD-EMGF0001                 | E&M cast-in Installation                                                       | 30       | 69%    | 9 14-Jan-19 A   | 04-May-19 |     |   |
| G/F                         |                                                                                |          |        |                 | _         |     |   |
| MD-EMGF1000                 | ABWF Works ready for E&M Mobilization to General Areas - G/F                   | 0        | 0%     | 0 17-Jun-19     |           |     |   |
| MD-EMGF1010                 | E&M Installation - 1st fix - G/F                                               | 40       | 0%     | 40 17-Jun-19    | 02-Aug-19 |     |   |
| MD-EMGF1040                 | ABWF Works ready for E&M Mobilization to LV Switch Room - G/F                  | 0        | 0%     | 0 18-Jun-19     |           |     |   |
| MD-EMGF1080                 | ABWF Works ready for E&M Mobilization to Generator & Fuel Tank Rooms - G/F     | 0        | 0%     | 0 05-Jul-19     |           |     |   |
| MD-EMGF1110                 | ABWF Works ready for E&M Mobilization to Electrical Plant Rooms - G/F          | 0        | 0%     | 0 05-Jul-19     |           |     |   |
| MD-EMGF1130                 | ABWF Works ready for E&M Mobilization to MVAC Plant Rooms - G/F                | 0        | 0%     | 0 05-Jul-19     |           |     |   |
| MD-EMGF1150                 | ABWF Works ready for E&M Mobilization to FS Plant Rooms - G/F                  | 0        | 0%     | 0 05-Jul-19     |           |     |   |
| MD-EMGF1160                 | E&M Installation - FS Plant Rooms - G/F                                        | 90       | 0%     | 90 05-Jul-19    | 21-Oct-19 |     |   |
| MD-EMGF1170                 | ABWF Works ready for E&M Mobilization to PD Plant Rooms - G/F                  | 0        | 0%     | 0 05-Jul-19     |           |     |   |
| MD-EMGF1180                 | E&M Installation - PD Plant Rooms - G/F                                        | 85       | 0%     | 85 09-Jul-19    | 18-Oct-19 |     |   |
| MD-EMGF1190                 | ABWF Works ready for E&M Mobilization to Elv Plant Rooms - G/F                 | 0        | 0%     | 0 05-Jul-19     |           |     |   |
| E&M Works for North Vent    |                                                                                | 0        | 078    | 0 00 00 13      |           |     |   |
| Installation                |                                                                                |          |        |                 |           |     |   |
|                             |                                                                                |          |        |                 |           |     |   |

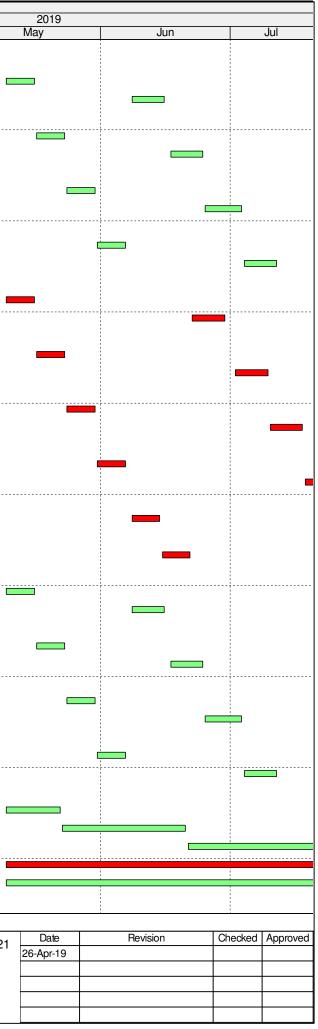
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|                 | Activity                                                               | Duration<br>(Days) | % Comp | Remaining S<br>Duration |            | Finish      | i |     |
|-----------------|------------------------------------------------------------------------|--------------------|--------|-------------------------|------------|-------------|---|-----|
| VF Installation |                                                                        |                    |        |                         |            |             |   | Apr |
| NB-NVB-TVF-1    |                                                                        |                    |        |                         |            |             |   |     |
| TVF-NVB1000     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 1                     | 0-May-19   | 16-May-19   |   |     |
|                 | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     |                         | 8-Jun-19   | 15-Jun-19   |   |     |
| NB-NVB-TVF-2    |                                                                        | ,                  | 070    | , 0,                    | o buil lo  | To built to |   |     |
| TVF-NVB1040     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 1                     | 7-May-19   | 23-May-19   |   |     |
|                 | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     |                         | •          | 24-Jun-19   |   |     |
| NB-NVB-TVF-3    |                                                                        |                    | - / -  |                         |            |             |   |     |
| TVF-NVB1080     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 24                    | 4-May-19   | 30-May-19   |   |     |
|                 | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     |                         | 5-Jun-19   | 03-Jul-19   |   |     |
| NB-NVB-TVF-4    |                                                                        |                    |        |                         |            |             |   |     |
| TVF-NVB1120     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 3                     | 1-May-19   | 06-Jun-19   |   |     |
|                 | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     |                         |            | 11-Jul-19   |   |     |
| NB-NVB-TVF-5    |                                                                        |                    |        |                         |            |             |   |     |
| TVF-NVB1160     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 1                     | 0-May-19   | 16-May-19   |   |     |
|                 | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     |                         | 2-Jun-19   | 29-Jun-19   |   |     |
| NB-NVB-TVF-6    | · · · · ·                                                              |                    |        |                         |            |             |   |     |
| TVF-NVB1200     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 1                     | 7-May-19   | 23-May-19   |   |     |
| TVF-NVB1210     | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     | 7 02                    | 2-Jul-19   | 09-Jul-19   |   |     |
| NB-NVB-TVF-7    |                                                                        |                    |        |                         |            |             |   |     |
| TVF-NVB1240     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 24                    | 4-May-19   | 30-May-19   |   |     |
| TVF-NVB1250     | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     | 7 1                     | 0-Jul-19   | 17-Jul-19   |   |     |
| NB-NVB-TVF-8    |                                                                        |                    |        |                         |            |             |   |     |
| TVF-NVB1280     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 3                     | 1-May-19   | 06-Jun-19   |   |     |
| TVF-NVB1290     | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     | 7 1                     | 8-Jul-19   | 25-Jul-19   |   |     |
| NB-NVB-TVF-9    | 1                                                                      |                    |        |                         |            |             |   |     |
| TVF-NVB1320     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 0                     | 8-Jun-19   | 14-Jun-19   |   |     |
| NB-NVB-TVF-10   | 1                                                                      |                    |        |                         |            |             |   |     |
| TVF-NVB1360     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 1                     | 5-Jun-19   | 21-Jun-19   |   |     |
| SB-NVB-TVF-1    |                                                                        |                    |        |                         |            |             |   |     |
| TVF-NVB1400     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 1                     | 0-May-19   | 16-May-19   |   |     |
| TVF-NVB1410     | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     | 7 0                     | 8-Jun-19   | 15-Jun-19   |   |     |
| SB-NVB-TVF-2    |                                                                        |                    |        |                         |            |             |   |     |
| TVF-NVB1440     | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 1                     | 7-May-19   | 23-May-19   |   |     |
| TVF-NVB1450     | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     | 7 1                     | 7-Jun-19   | 24-Jun-19   |   |     |
| SB-NVB-TVF-3    |                                                                        |                    |        |                         |            |             |   |     |
|                 | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     | 6 2                     | 4-May-19   | 30-May-19   |   |     |
| TVF-NVB1490     | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     | 7 2                     | 5-Jun-19   | 03-Jul-19   |   |     |
| SB-NVB-TVF-4    |                                                                        |                    |        |                         |            |             |   |     |
|                 | Silencer, splitter and duct installation - Upper Attenuator Room (1/F) | 6                  | 0%     |                         | 1-May-19   | 06-Jun-19   |   |     |
| TVF-NVB1530     | Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)   | 7                  | 0%     | 7 04                    | 4-Jul-19   | 11-Jul-19   |   |     |
| 32/F            |                                                                        |                    |        |                         |            |             |   |     |
| NVB-EMB21010    | E&M Installation - 1st fix - B2/F                                      | 50                 | 78%    | 11 2                    | 1-Nov-18 A | 22-May-19   |   |     |
| NVB-EMB21020    | E&M Installation - 2nd fix - B2/F                                      | 50                 | 52%    |                         | 8-Nov-18 A |             |   |     |
| NVB-EMB21030    | E&M Installation - Final fix - B2/F                                    | 50                 | 5%     |                         | 4-Jan-19 A | -           |   |     |
| NVB-EMB21060    | E&M Installation - Electrical Plant Rooms - B2/F                       | 90                 | 0%     |                         |            | 24-Aug-19   |   |     |
| NVB-EMB21080    | E&M Installation - MVAC Plant Rooms - B2/F                             | 60                 | 0%     | 60 1                    | 0-May-19   | 20-Jul-19   |   |     |

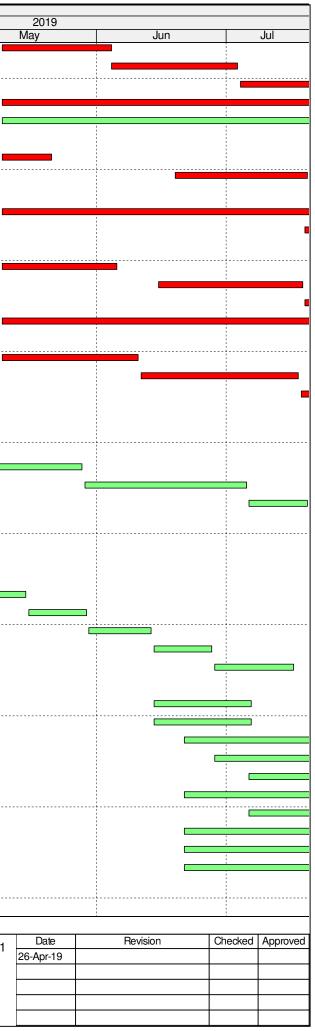
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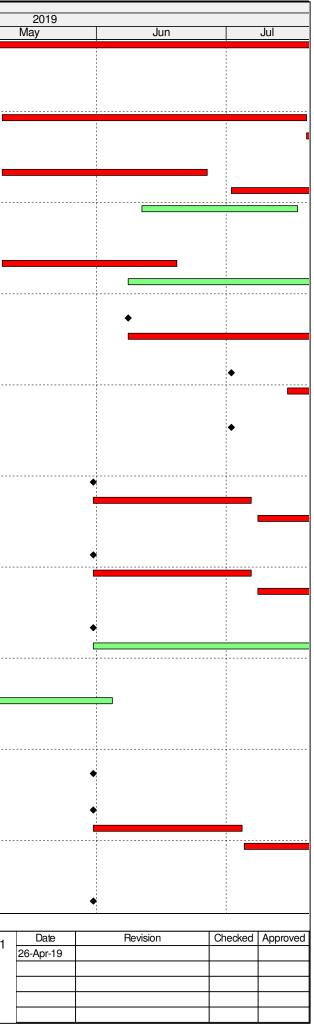
|                                                     | Activity                                                          | Duration<br>(Days) | % Comp | Remaining Start<br>Duration | Finish                                |      |    |  |
|-----------------------------------------------------|-------------------------------------------------------------------|--------------------|--------|-----------------------------|---------------------------------------|------|----|--|
|                                                     |                                                                   |                    |        |                             |                                       | Ар   | )r |  |
| NVB-EMB11010                                        | E&M Installation - 1st fix - B1/F                                 | 50                 | 57%    | 22 19-Nov-18                | A 04-Jun-19                           |      | _  |  |
| NVB-EMB11020                                        | E&M Installation - 2nd fix - B1/F                                 | 50                 | 53%    | 24 26-Nov-18                |                                       |      |    |  |
| NVB-EMB11030                                        | E&M Installation - Final fix - B1/F                               | 50                 | 4%     | 48 24-Jan-19 A              | 28-Aug-19                             |      |    |  |
| NVB-EMB11060                                        | E&M Installation - Electrical Plant Rooms - B1/F                  | 90                 | 0%     | 90 10-May-19                | 24-Aug-19                             |      |    |  |
| NVB-EMB11080                                        | E&M Installation - MVAC Plant Rooms - B1/F                        | 60                 | 0%     | 60 10-May-19                | 20-Jul-19                             |      |    |  |
| G/F                                                 |                                                                   |                    |        |                             |                                       |      |    |  |
| NVB-EMGF1010                                        | E&M Installation - 1st fix - G/F                                  | 50                 | 80%    | 10 01-Aug-187               | A 21-May-19                           |      |    |  |
| NVB-EMGF1020                                        | E&M Installation - 2nd fix - G/F                                  | 50                 | 48%    | 26 08-Aug-18                | A 19-Jul-19                           |      |    |  |
| NVB-EMGF1030                                        | E&M Installation - Final fix - G/F                                | 50                 | 4%     | 48 24-Jan-19 A              | 13-Sep-19                             |      | _  |  |
| NVB-EMGF1070                                        | Installation by CLP - CLPP HV Switch Room - G/F                   | 82                 | 20%    | 66 14-Feb-19                | A 27-Jul-19                           |      |    |  |
| NVB-EMGF1200                                        | E&M Installation - PD Plant Rooms - G/F                           | 90                 | 0%     | 90 19-Jul-19                | 04-Nov-19                             |      |    |  |
| 1/F                                                 | 1                                                                 |                    |        |                             |                                       |      |    |  |
| NVB-EM1F1010                                        | E&M Installation - 1st fix - 1/F                                  | 50                 | 54%    | 23 03-Sep-18                | A 05-Jun-19                           |      |    |  |
| NVB-EM1F1020                                        | E&M Installation - 2nd fix - 1/F                                  | 50                 | 44%    | 28 10-Sep-18                |                                       |      |    |  |
| NVB-EM1F1030                                        | E&M Installation - Final fix - 1/F                                | 50                 | 5%     | 48 31-Jan-19 A              |                                       |      |    |  |
|                                                     | E&M Installation - MVAC Plant Rooms - 1/F                         | 90                 | 0%     | 90 10-May-19                | · · · · · · · · · · · · · · · · · · · |      |    |  |
| 2/F                                                 | <u>!</u>                                                          |                    |        | , .                         | <b>U</b>                              |      |    |  |
| NVB-EM2F1010                                        | E&M Installation - 1st fix - 2/F                                  | 50                 | 48%    | 26 08-Oct-18 A              | 10-Jun-19                             | <br> |    |  |
|                                                     | E&M Installation - 2nd fix - 2/F                                  | 50                 | 38%    | 31 15-Oct-18 A              |                                       |      |    |  |
|                                                     | E&M Installation - Final fix - 2/F                                | 50                 | 3%     | 49 07-Feb-19                |                                       |      |    |  |
| Lift Installation (L01 a                            |                                                                   |                    | 070    |                             |                                       |      |    |  |
| NVB-LF1010                                          | Access to lift shaft and lift machine room                        | 0                  | 0%     | 0 23-Apr-19                 |                                       |      | •  |  |
|                                                     | Kiosk N2 (Structure Completed under KD2)                          | 0                  | 078    | 0 20 / 01 10                |                                       |      |    |  |
| EN2120                                              | ABWF Works (Door, windows, tiles)                                 | 30                 | 0%     | 30 23-Apr-19                | 28-May-19                             |      |    |  |
| EN2120                                              | E&M Works                                                         | 31                 | 0%     | 31 29-May-19                | -                                     |      |    |  |
| EN2130                                              |                                                                   | 12                 | 0%     | 12 06-Jul-19                | 19-Jul-19                             |      |    |  |
| -                                                   | Testing & Comissioning                                            | 12                 | 076    | 12 00-301-19                | 19-301-19                             |      |    |  |
| Key Date 3 - Satellite Contro<br>Building Structure | of Building & TCSS Provision                                      |                    |        |                             |                                       |      |    |  |
| SCB115                                              | Excavation                                                        | 12                 | 100%   | 0 25 Mar 10                 | A 06-Apr-19 A                         |      |    |  |
| SCB120                                              | Foundations                                                       | 12                 | 41.67% | 7 10-Apr-19                 | •                                     |      |    |  |
|                                                     |                                                                   |                    |        | •                           | · ·                                   |      |    |  |
| SCB130                                              | Ground Floor                                                      | 12                 | 0%     | 12 02-May-19                | 15-May-19                             |      |    |  |
| SCB140                                              | First Floor                                                       | 12                 | 0%     | 12 16-May-19                | 29-May-19                             |      |    |  |
| SCB150                                              | Lower Roof Slab                                                   | 12                 | 0%     | 12 30-May-19                |                                       |      |    |  |
| SCB160                                              | Second Floor                                                      | 12                 | 0%     | 12 14-Jun-19                | 27-Jun-19                             |      |    |  |
| SCB170                                              | Upper Roof Slab                                                   | 15                 | 0%     | 15 28-Jun-19                | 16-Jul-19                             |      |    |  |
| ABWF Works (for All)                                |                                                                   |                    |        |                             |                                       |      |    |  |
| ASCB1000                                            | Blockwork Walls                                                   | 19                 | 0%     | 19 14-Jun-19                | 06-Jul-19                             |      |    |  |
| ASCB1010                                            | Door and Window Frames                                            | 19                 | 0%     | 19 14-Jun-19                | 06-Jul-19                             |      |    |  |
| ASCB1020                                            | ABWF Works to Plant Rooms G/F                                     | 60                 | 0%     | 60 21-Jun-19                | 30-Aug-19                             |      |    |  |
| ASCB1021                                            | ABWF Works to Plant Rooms 1/F                                     | 60                 | 0%     | 60 28-Jun-19                | 06-Sep-19                             |      |    |  |
| ASCB1022                                            | ABWF Works to Plant Rooms 2/F                                     | 60                 | 0%     | 60 06-Jul-19                | 13-Sep-19                             |      |    |  |
| ASCB1030                                            | ABWF Works to Office and Corridors G/F                            | 95                 | 0%     | 95 21-Jun-19                | 14-Oct-19                             |      |    |  |
| ASCB1031                                            | ABWF Works to Office and Corridors 1/F                            | 95                 | 0%     | 95 06-Jul-19                | 28-Oct-19                             |      |    |  |
| ASCB1040                                            | ABWF Works to Toilets 1/F                                         | 103                | 0%     | 103 21-Jun-19               | 23-Oct-19                             |      |    |  |
| ASCB1050                                            | Waterproofing and Roofing                                         | 50                 | 0%     | 50 21-Jun-19                | 19-Aug-19                             |      |    |  |
|                                                     | External Cladding and Wall Plastering                             | 101                | 0%     | 101 21-Jun-19               | 21-Oct-19                             |      |    |  |
| ASCB1060                                            | External olading and Wait hatomig                                 | 101                | 0,0    |                             |                                       | i i  |    |  |
|                                                     | TCB, Toll Area, Kiosk N1, Underpass, Plant Rm, and Approach Roads |                    |        |                             |                                       |      |    |  |

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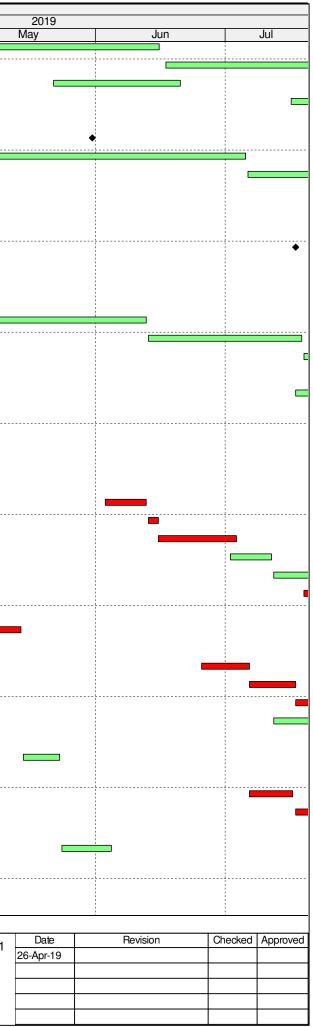
| E100103         Statewist is         Statewist is           MAXMEND IN<br>MAXMEND IN<br>INCOMENDIAL INFORMATION OF INFORMATION INFORMATIO                              | ID |              | Activity                                                     | Duration<br>(Days) | % Comp | Remaining<br>Duration |              | Finish      |     |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------|--------------------------------------------------------------|--------------------|--------|-----------------------|--------------|-------------|-----|------|
| Bit Monitor VI.E.         Procession           Research         00         25         59.10 Apr. 19.4         19.4         19           TGS DM100         EM Monitalizm. Tota Is. Reservent         00         02         59.10 Apr. 19.4         19         28.5 Apr. 19           TGS DM100         EM Monitalizm. Tota Is. Reservent         00         02         05         00.10 Feb.018.9         28.5 Apr. 19           TGS DM20102         EM Monitalizm. Tota IS. ColF         00         03         00.2 SS2         00.14 Feb.018.9         28.5 Apr. 19           TGS DM21102         EM Monitalizm. Tota IS. ColF         00         03         00.2 SMart 19.4         24.5 Apr. 19         59.5           TGS DM21102         EM Monitalizm IS. ColF         01         105.5 Mart 19.4         40.4 Apr. 19.4         4           TGS DM21102         EM Monitalizm IS. Apr. 25.7         0         00         0.0 SMart 19.4         50.0 Apr. 19.7           TGS DM21100         EM Monitalizm IS. Apr. 25.7         0         00         0.0 SMart 19.4         50.0 Apr. 19.4           TGS DM21100         EM Monitalizm IS. Apr. 20.7         40         40.9 Apr. 19.4         30.4 Mart 19.4         10.0 Apr. 19.4           TGS DM21100         EM Monitalizm IS. Apr. 20.4         0         00.0 SMart 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    | ETCB150      | Steelwork for Canopy Structure                               | 90                 | 0%     | 90                    | 23-Apr-19    | 08-Aug-19   | Apr |      |
| Descent         CRE-MITON         EAM matualitation - 16t Rs - Basement         00         2%         59 (15-April - 19)         All - April - 19           CRE-MITONIC         EAM matualitation - 16t Rs - CP         00         0%         00 (15-Feb-10.8)         255-119         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255         255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |              |                                                              | 00                 | 070    | 00                    |              | 50 . kug 10 |     |      |
| Homework         Homework         Homework         Homework           TCB EM1002         BAM Instalation - 1eff to: Egamment         00         0%         00         94.04.99         26.500-19           TCB EM0102         BAM Instalation - 1eff to: GF         00         0.94         0.1         26.500-19         1           TCB EM02100         BAM Instalation - 1eff to: GF         00         0.944         40.1         15.640-190         26.500-19           TCB EM02100         Maximization - 2eff to: GF         00         0.944         40.1         5.640-190         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         4.041         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |              |                                                              |                    |        |                       |              |             |     |      |
| TCD:EM102         BM Installation - 2xt file - Baserband         00         0%         00         19-Ja19         29-Stor 19           FF         TCD:EM04(F012)         BM Installation - 1xt file - 0.6F         00         9%         60         19-Ja19         29-Stor 19           TCD:EM04(F02)         BM Installation - 1xt file - 0.6F         00         9%         80         19-Ja19         29-Stor 19           TCD:EM04(F02)         BM Installation - 1xt file - 0.6F         00         50%         20         14-Fdo 19A         17-Ja19           TCD:EM04(F00)         BM Installation - 1xt file - 0.6F         00         40%         50         22-Stor 19A         -           TCD:EM04(F00)         BM Installation - 1xt file - 0.6F         00         40%         50         0-Ja19         22-Stor 19A           TCD:EM04(F00)         BM Installation - 1xt file - 0.7F         00         00%         00         0-Ja19         22-Stor 19A           TCD:EM04(F00)         BM Installation - 1xt file - 0.7F         0         0%         00         0-Ja19         22-Stor 19A           TCD:EM04(F00)         BM Installation - 1xt file - 0.7F         0         0%         00         0-Ja19         0-Ja19           TCD:EM04(F00)         BM Installation - 1xt file - 0.5F         0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |              |                                                              |                    |        |                       |              |             |     |      |
| TCD:EM102         QM Installation - 2a fax - Basenerel         DD         DS         DD         TS-B-17-12         29 Sep - 19           TCD:EM04707         QM Installation - 1aff to - OF         DD         DS         DD         SS         DD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |              | E&M Installation - 1st fix - Basement                        | 60                 | 2%     | 59                    | 10-Apr-19 A  | 19-Jul-19   |     | <br> |
| GP         0         34%         0         15 Fits 19A         28 Jun 19           TOBE RAYENDD         EAM Installation - 16 fits - GP         00         000, 00         00, 40.9         00 Stap 19           TOBE RAYENDD         Fall Installation - 26F         00         000, 00         0.25 Aur 19A         00 Stap 19           TOBE RAYENDD         Fall Installation - 16F Record - 2FF         00         100%         0.15 Fits 19A         15 Aur 19A           TOBE RAYENDD         Fall Installation - 15F Record - 2FF         0         00%         0.15 Fits 19A         10 Aur 19A           TOBE RAYENDD         EAM Installation - 15F Record - 1FF         0         100%         0.15 Fits 19A         19A aur 19A           TOBE RAYENDD         EAM Installation - 15F Record - 1FF         0         00%         0.15 Aur 19A         19A aur 19A           TOBE RAYENDD         EAM Installation - 15F Record - 2FF         0         0%         0.15 Aur 19A         20 Aur 19A           TOBE RAYENDD         EAM Installation - 16 fabr - 2FF         0         0%         0.15 Aur 19A         20 Aur 19A           TOBE RAYENDD         EAM Installation - 16 fabr - 2FF         0         0%         0.15 Aur 19A         20 Aur 19A           TOBE RAYENDD         EAM Installation - 16 fabr - 2FF <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |              |                                                              |                    |        |                       | -            |             |     |      |
| TOB-PACETODE         FXM-Installation Vg CLP - CLP Tx Room GVF         00         0%         00 0% 4.01 9         0% 99 19           JF         00         50%         30 14 Fob 18A         173.01 19           JF         00         100%         0.2 5Mm*19A         19           JF         0         100%         0.2 5Mm*19A         19           TOB-BMTF100         EAM hobitization to General Areas - 1/F         0         0.0%         0.0 5A.01 9         258.00 19           TOB-BMTF100         EAM hobitization to General Areas - 2/F         0         0.%         0.0 6A.01 9         258.00 19           TOB-BMF100         EAM hobitization to Rever J Areas - 2/F         0         0.%         0.0 6A.01 19         258.00 19           TOB-BMF100         EAM hobitization to Rever J Areas - 2/F         0         0.%         0.0 6A.01 19         1.0 580.719           TOB-BMF100         EAM hobitization to Rever J Areas - 2/F         0         0.%         0.0 5.0.119         1.0 580.719           TOB-BMF100         EAM hobitization to Rever J Areas - 2/F         0         0.%         0.0 5.0.119         1.0 580.719           TOB-BMF100         EAM hobitization to Rever J Areas - 2/F         0         0.%         0.0 5.0.19         0.0 4.019           TOB-BMF100 </td <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |              |                                                              |                    |        |                       |              |             |     |      |
| T0:B-MACF1000         FXM-Installation 1:9 (CLP TA Room GyF         00         00%         00 (0% ub 19         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         00%         0% <t< td=""><td></td><td>TCB-EMGF1010</td><td>E&amp;M Installation - 1st fix - G/F</td><td>60</td><td>34%</td><td>40</td><td>15-Feb-19 A</td><td>26-Jun-19</td><td></td><td></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    | TCB-EMGF1010 | E&M Installation - 1st fix - G/F                             | 60                 | 34%    | 40                    | 15-Feb-19 A  | 26-Jun-19   |     |      |
| TOB ENAMP1/020         Installation by CLP CLPTx.Room. GPF         00         50%         30         14 Feb 18A         17.Jul 19           TGB ENMIF1000         AMMEW trysts meakly for EAM Mobilization to General Aceas - 1/F         0         100%         0.25 Mar 110A         Historia         Histori                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |              |                                                              |                    |        |                       |              |             |     |      |
| TG-         0         0.05         0.25Mar 100         94.04           TO3-EMT F1000         EMM Installation + 15 Har. 14F         00         1.00%         0.25Mar 100           TO3-EMT F1000         EAM Installation + 15 Har. 14F         00         1.00%         9.05Mar 100           TO3-EMT F1000         EAM Installation - 15 Har. 14F         00         0.05         0.05Mar 100           2F         0         0.05         0.05Mar 100         EAM Installation - 15 Har. 24F         0.05           TO3-EMF1000         EAM Installation - 15 Har. 24F         0.05         0.05         0.044.019         0.05           TO3-EMF1000         EAM Installation - 15 Har. 24F         0.05         0.02.44-19         0.044.19           TO3-EMF1000         EAM Installation - 15 Har. 24F         0.05         0.02.44-19         0.05           TO3-EMF1000         EAM Installation - 15 Har. 24F         0.05         0.02.44-19         0.044.19           TO3-EMF1000         EAM Installation - 15 Har. 24F         0.05         0.02.44-19         0.044.19           TO3-EMF1000         EAM Installation - 15 Har. 24F         0.05         0.02.44-19         0.044.19           TO3-EMF1000         EAM Installation - 15 Har. 24F         0.05         0.02.44-19         0.044.19 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>· ·</td><td>i</td><td><br/></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |              |                                                              |                    |        |                       |              | · ·         | i   | <br> |
| TOS-EMM FLOID       EMM Installation - 16 th VF       60       44%       54       65-40419.4       19-4019         TOS-EMM FLOSE       ESM Installation - 16 th VF       60       0%       00       00-4019       23 Sep 19         TOS-EMM FLOSE       ESM Installation - 16 th 2F       0       0%       00       08-41-19       0         TOS-EMM FLOSE       ESM Installation - 16 th 2F       46       0%       40       04-62-10A       30-14-19         TOS-EMM FLOSE       ESM Installation - 16 th 2F       68       0%       10       08-14-19       10         TOS-EMM FLOSE       ESM Installation - 16 th 2F       69       0%       10       08-14-19       10         TOS-EMM FLOSE       ESM Installation - 16 th 2F       69       0%       10       08-14-19       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |              |                                                              |                    |        |                       |              |             |     |      |
| TOS-EMM FLOID       EMM Installation - 16 th VF       60       44%       54       65-40419.4       19-4019         TOS-EMM FLOSE       ESM Installation - 16 th VF       60       0%       00       00-4019       23 Sep 19         TOS-EMM FLOSE       ESM Installation - 16 th 2F       0       0%       00       08-41-19       0         TOS-EMM FLOSE       ESM Installation - 16 th 2F       46       0%       40       04-62-10A       30-14-19         TOS-EMM FLOSE       ESM Installation - 16 th 2F       68       0%       10       08-14-19       10         TOS-EMM FLOSE       ESM Installation - 16 th 2F       69       0%       10       08-14-19       10         TOS-EMM FLOSE       ESM Installation - 16 th 2F       69       0%       10       08-14-19       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    | TCB-EM1F1000 | ABWF Works ready for E&M Mobilization to General Areas - 1/F | 0                  | 100%   | 0                     | 25-Mar-19 A  |             | •   |      |
| TCB_EMF1080         EMI installation - FS Plant Rooms - 1/F         90         0%         60         06 Jun 19         23 Sep 19           JF         TCB_EMP1000         ARWF Works ready for EAM Mobilization to Coneral Areas - 2/F         0         0%         0         06 Jun 19         23 Sep 19           TCB_EMP1000         EAM installation - 18 fix - 2/F         49         9%         44         (4) 4, 4(1) 43         30 Jul 19           TCB_EMP100         EAM installation - 18 fix - 2/F         0         0%         0         (2) 2, 4/E 19         10         Sep 19           TCB_EMP100         Access to IB shaft and IB machine noom         0         0%         0         (2) 2, 4/E 19         10         Sep 19           TCB_EFINITIO         BMI machine noom         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%         0         0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |              |                                                              |                    |        |                       |              |             |     |      |
| 26         0         0%         0         08.Jun 19           TOB EMEPTION         EAM Headilation to General Areas : 2F         0         0%         0         08.Jun 19           TOB EMEPTION         EAM Headilation - 1st fix : 2F         48         9%         64/ 04-Apr 19A         30-Jul 19           TOB EMEPTION         ABMP Works ready for E&M Mobilization to Root         0         0%         0         02-Jul 19           TOB EMEPTION         ABMP Works ready for E&M Mobilization to Root         0         0%         0         02-Jul 19           TOB EMEPTION         ABMP Works ready for E&M Mobilization to Root         0         0%         00         02-Jul 19           TOB EMEPTION         Access to Iff shall and IIIt machine room         0         0%         0         08-Jul 19           TOB Methical         0         0%         03         1-May 19         EMERTION           ETA130         Installation of Sunt Bound Tell Booths         30         0%         30         1-May 19           ETA140         Sunt Bound Tell Booths         30         0%         30         1-May 19           ETA140         Sunt Bound Tell Booths         30         0%         30         1-May 19           ETA140         Sunt Bound Tell Booths                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |              |                                                              |                    |        |                       |              |             |     |      |
| TGB EM2F1000       ABWF Works ready for EAM Mobilization to General Areas - 2F       0       0%       0       0.8 Jun - 19       0.0 Jul - 19         TGB EM2F1010       EAM Installation - 1st fix - 2F       48       9%       44       0.4 April - 19.       0.0 Jul - 19         TGB EMPF1000       EAM Mobilization to Roof       0       0%       0.0 2.Jul - 19       0.0 Jul - 19       0.0 Jul - 19         TGB EMPF1000       EAM Installation - 1st fix - Pool       0       0%       0.0 2.Jul - 19       0.0 Jul - 19       0.0 Jul - 19         TGB EM0F1000       Abwer Works ready for EAM Mobilization to Roof       0       0%       0.0 0.0 Jul - 19       0.0 Jul - 19 <td></td> <td></td> <td></td> <td>23</td> <td>0,0</td> <td>50</td> <td></td> <td></td> <td></td> <td><br/></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |              |                                                              | 23                 | 0,0    | 50                    |              |             |     | <br> |
| TCB EME*1019         EMI Installation - 1st fix - 2/F         448         9%         44.04-Apr 19A         30-Jul-19           Meer         0         0%         0.02-Jul-19         10-Sep-19           TCB EMR*1000         ABWF Works ready for EAM Mobilization to Roof         50         0%         0.02-Jul-19           TCB EMR*1010         EAM installation - 1st fix - Pool         50         0%         0.02-Jul-19           TCB EMR*1010         ABoxes to fit shaft and lit machine room         0         0%         0.02-Jul-19           TCB EMR*1010         ABoxes to fit shaft and lit machine room         0         0%         0.02-Jul-19           TCB EMR*1010         ABoxes to fit shaft and lit machine room         0         0%         0.02-Jul-19           Stath Bound         FEA130         Installation of South Bound Toll Booths         30         0%         30.31-May-19           ETA120         Rooth Bound Toll Booths         50         0%         30.31-May-19         0           FTA20         Installation of Nam Bound Toll Booths         30         0%         30.31-May-19         0           FTA20         North Bound Toll Booths         36         0%         30.31-May-19         0           FTA210         North Bound Toll Booths         36 <td< td=""><td></td><td></td><td>ABWF Works ready for E&amp;M Mobilization to General Areas - 2/F</td><td>0</td><td>0%</td><td>٥</td><td>08-Jun-19</td><td></td><td></td><td></td></td<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |              | ABWF Works ready for E&M Mobilization to General Areas - 2/F | 0                  | 0%     | ٥                     | 08-Jun-19    |             |     |      |
| Reof         0         0%         0         0.4.Jul 19         0         0.4.Jul 19           TCB EMRP1001         EAM Installation - 1st fix - Food         50         0%         0.0.02.Jul 19         0.0.02.Jul 19           TCB EMRP1001         EAM Installation - 1st fix - Food         0         0%         0.0.02.Jul 19         0.0.02.Jul 19           TCB EMRP1001         Access to lift shall and lift machine room         0         0%         0.0.2.Jul 19         0.0.02.Jul 19           TCB EMRP1002         Access to lift shall and lift machine room         0         0%         0.0.2.Jul 19         0.0.0.02.Jul 19           TCB EMRP1002         Access to lift shall and lift machine room         0         0%         0.0.2.Jul 19         0.0.0.02.Jul 19           TCB EMRP1002         Installation of South Bound Toil Booths         30         0%         30.3.1.Mag 19         0.0.Jul 19         17.Aug 19           ETA100         Installation of North Bound Toil Booths         30         0%         30.3.1.Mag 19         0.0.Jul 19         17.Aug 19           ETA210         North Bound Toil Booths         10         0%         0.3.1.Mag 19         0.0.Jul 19         17.Aug 19           EV10.0         Possess Portion X         0         0%         0.3.1.Mag 19         0.Jul 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |              | -                                                            |                    |        |                       |              | 30lul-19    |     |      |
| TC3-EMRF1000         ABWF Works ready for E&M Mobilization to Pood         0         0%         0         0.2-Jul-19         TC3-EMRF1000         ABWF Works ready for E&M Mobilization 1-st fis Roal         50         0%         50         15.Jul-19         10-Sep-19           TC3-EMRF1000         Access to ift shaft and lift machine room         0         0%         0         02.Jul-19         TC3-EMRF1000         Access to ift shaft and lift machine room         0         0%         0         02.Jul-19         TC3-EMRF1000         Access to ift shaft and lift machine room         0         0%         0         02.Jul-19         TC3-EMRF1000         Access to ift shaft and lift machine room         0         0%         0         01.2-Jul-19         TC3-EMRF1000         Access to ift shaft and lift machine room         0         0%         0         0         0%         0.2-Jul-19         TC3-EMRF1000         Access to ift shaft and lift machine room         0         0%         0.2-Jul-19         TC3-EMRF1000         Access to ift shaft and lift machine room         0         0%         0.2-Jul-19         TC3-EMRF1000         Access to ift shaft and lift machine room         0         0%         0.2-Jul-19         FC3-Uul-19         FC3-Uul-19         FC3-Uul-19         FC3-Uul-19         FC3-Uul-19         FC3-Uul-19         FC3-Uul-19         FC3-Uul-19         FC3-U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |              |                                                              | 10                 | 070    |                       |              |             |     |      |
| TGB-EMRF1010         EAM Installation - 1st fix - Roof         50         0%         50         15-Jul-19         10-Sep 19           TGB-EMRF1010         Access to lift shaft and lift machine room         0         0%         0         02-Jul-19         Installation           TGB-EMRF1010         Access to lift shaft and lift machine room         0         0%         0         02-Jul-19         Installation           TGB-EMRF1010         Access to lift shaft and lift machine room         0         0%         0         31-May-19         Installation           TA120         Possess Portions IX, XIX, X0(a, X0(b)         0         0%         30         31-May-19         05-Jul-19         17-Aug-19           TA140         South Bound Toll Booths         EAM installation 1st fix         36         0%         36         08-Jul-19         17-Aug-19           Nerth Bound         0         0%         0         31-May-19         05-Jul-19         17-Aug-19           ETA200         Installation of North Bound Toll Booths         15 Minstallation 1st fix         36         0%         36         08-Jul-19         17-Aug-19           EN120         Possess Portion IX         0         0%         0         31-May-19         2-Jul-19           Pint Room         0<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |              | ABWE Works ready for E&M Mobilization to Boof                | 0                  | 0%     | 0                     | 02-Jul-19    |             |     |      |
| Lift Installation (IDI)         Codess to lift shaft and lift machine room         O         O%         O         O.2-Jul-19           TC8-LF1000         Access to lift shaft and lift machine room         O         0%         O         0.2-Jul-19           Stath Board                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |              |                                                              |                    |        |                       |              | 10-Sen-19   |     | <br> |
| TCB-LF 1000         Access to lift shaft and lift machine room         0         0%         0         0.2-Jul 19           State Rise         State Ris                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |              |                                                              | 50                 | 078    | 50                    |              |             |     |      |
| Toil Area         South Bound         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |              | Access to lift shaft and lift machine room                   | 0                  | 0%     | 0                     | 02-Jul-19    |             |     |      |
| South Bound         ETA 120         Possess Portion X,XX,XX0b         0         0%         0.31-May-19         0.5JJ - May-19           ETA 120         Installation of South Bound Toll Booths         30         0%         30.31-May-19         0.5JJ - May-19           ETA 140         South Bound Toll Booths - E&M installation 1st fix         36         0%         30.31-May-19         0.5JJ - May-19           ETA 190         Possess Portion XI         0         0%         0.31-May-19         0.5JJ - May-19           ETA 200         Installation of Morth Bound Toll Booths         30         0%         30.31-May-19         0.5JJ - May-19           ETA 200         Installation 1st fix         36         0%         30.91-May-19         0.5JJ - May-19           ETA 210         Morth Bound Toll Booths         EAM installation 1st fix         36         0%         30.91-May-19         0.5JJ - May-19           ETA 210         North Bound Toll Booths         6.0         0%         30.91-May-19         0.5JJ - May-19         0.5JJ - M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |              |                                                              | 0                  | 078    | U                     |              |             |     |      |
| ETA120       Possess Portions IX, XIX, XXIa, XXIb       0       0%       0       31-May-19         ETA130       Installation of South Bound Toil Booths       30       0%       30       31-May-19       06-Jul-19         ETA140       South Bound Toil Booths - E&M installation 1st fix       36       0%       30       0%-Jul-19       17-Aug-19         ETA190       Possess Portion XI       0       0%       0       31-May-19       06-Jul-19         ETA200       Installation of North Bound Toil Booths       30       0%       30       31-May-19       06-Jul-19         ETA200       Installation of North Bound Toil Booths       30       0%       30       31-May-19       06-Jul-19         ETA210       North Bound Toil Booths       EAM installation 1st fix       38       0%       30       31-May-19       06-Jul-19         ETA210       North Bound Toil Booths       EAM installation 1st fix       38       0%       31-May-19       06-Jul-19         FDN120       Possess Portion IX       0       0%       0       31-May-19       0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |              |                                                              |                    |        |                       |              |             |     |      |
| ETA 130       Installation of South Bound Toll Booths       30       0%       30       31-May-19       06-Jul-19         ETA 140       South Bound Toll Booths       E&M installation 15 tfix       36       0%       30       60-Jul-19       17-May-19         ETA 140       Possess Portion XI       0       0%       0       31-May-19       17-May-19         ETA 200       Installation of North Bound Toll Booths       30       0%       30       31-May-19       06-Jul-19         ETA 200       Installation of North Bound Toll Booths       30       0%       30       31-May-19       06-Jul-19         ETA 200       Installation of North Bound Toll Booths       80       0%       30       31-May-19       06-Jul-19         ETA 200       Installation of North Bound Toll Booths       80       0%       30       31-May-19       06-Jul-19         ETA 200       Installation of North Bound Toll Booths       80       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |              | Possoss Portions IX XIX XXIa XXIb                            | 0                  | 0%     | 0                     | 31-May-10    |             |     | <br> |
| ETA140       South Bound Toll Booths - E&M installation 1st fix       36       0%       38       08-Jul-19       17-Aug-19         North Bound        0       0%       0       31-May-19       06-Jul-19         ETA200       Installation of North Bound Toll Booths       30       0%       30       13-May-19       06-Jul-19         ETA210       North Bound Toll Booths - E&M installation 1st fix       36       0%       38       08-Jul-19       17-Aug-19         ETA210       North Bound Toll Booths - E&M installation 1st fix       36       0%       38       08-Jul-19       17-Aug-19         EN120       Poseess Portion IX       36       0%       0       31-May-19       27-Jul-19         EN120       Structure       48       0%       48       31-May-19       27-Jul-19         EM1400       Structure       90       60%       36       02-Nov-18.A       04-Jun-19         EPR120       Blockwork Wall & ABWF Works       90       60%       36       02-Nov-18.A       04-Jun-19         EPR120       EAM Installation       90       60%       31-May-19       0       0         Dot-10       Ox40       90       15%       37       03-Jan-18 A       01-Feb-20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |              |                                                              |                    |        |                       | -            | 06- 10-19   |     |      |
| North Bound         Image: Control of Control |    |              |                                                              |                    |        |                       | -            |             |     |      |
| ETA190       Possess Portion XI       0       0%       0       31-May-19       Image: Control Mark Control Booths         ETA200       Installation of North Bound Toll Booths       30       0%       30       31-May-19       06-Jul-19         ETA210       North Bound Toll Booths - E&M installation 1st fix       36       0%       38       08-Jul-19       17-Aug-19         EN120       Possess Portion IX       0       0%       0       31-May-19       1         EN120       Possess Portion IX       0       0%       0       31-May-19       1         EN120       Possess Portion IX       0       0%       0       31-May-19       1         EN120       Possess Portion IX       0       0%       0       31-May-19       27-Jul-19         Plant Room       2       0       60%       36       02-Nov-18 A       04-Jun-19         EPR120       Blockwork Wall & ABWF Works       90       60%       36       02-Nov-18 A       04-Jun-19         DPR130       E&M Installation       0       0%       0       31-May-19       0       0         DV180       Possess Portions X, IX and XI       0       0%       0       31-May-19       0       0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |              |                                                              | 00                 | 070    | 00                    |              | 17 Aug 15   |     |      |
| ETA200       Installation of North Bound Toll Booths       30       0%       30       31-May-19       06-Jul-19         ETA210       North Bound Toll Booths - E&M installation 1st fix       36       0%       36       08-Jul-19       17-Aug-19         EN120       Possess Portion IX       0       0%       0       31-May-19       7         EN120       Possess Portion IX       0       0%       0       31-May-19       27-Jul-19         Pant Room       27       27-Jul-19       27-Jul-19       27-Jul-19       27-Jul-19         ERN works       90       60%       36       02-Nov-18A       04-Jun-19         EPR120       Blockwork Wall & AEWF Works       90       15%       77       03-Jan-19A       01-Feb-20         Deck Void       70       0.31-May-19       0.31-May-19 </td <td></td> <td></td> <td>Possess Portion XI</td> <td>0</td> <td>0%</td> <td>0</td> <td>31-May-19</td> <td></td> <td></td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |              | Possess Portion XI                                           | 0                  | 0%     | 0                     | 31-May-19    |             |     |      |
| ETA210       North Bound Toll Booths - E&M installation 1st fix       38       0%       38       08-Jul 19       17-Aug-19         Kidsk N1          0       0%       0       31-May-19          EN120       Possess Portion 1X       0       0%       0       31-May-19       27-Jul 19         EN130       Structure       0       6%       36       02-Nov-18A       04-Jun 19         EAM Works       90       60%       36       02-Nov-18A       04-Jun 19         EPR120       Blockwork Wall & ABWF Works       90       60%       36       02-Nov-18A       04-Jun 19         EPR130       EAM Installation       90       60%       36       02-Nov-18A       04-Jun 19         Deck Void                DV180       Possess Portions X, IX and X1       0       0%       0       31-May-19           DV110       Possess Portions IX       0       0%       0       31-May-19            DV120       Electrical Installation - Bridge H1       28       0%       28       31-May-19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |              |                                                              |                    |        |                       | -            | 06-14-19    |     | <br> |
| Kick N1         N         N         N           EN120         Possess Portion IX         0         0%         0         31-May-19         Zull           EN130         Structure         48         0%         48         31-May-19         Zull         2           Part Room         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |              |                                                              |                    |        |                       | -            |             |     |      |
| EN120       Possess Portion IX       0       0%       0       31-May-19         EN130       Structure       48       0%       48       31-May-19       27-Jul-19         Plant Room         EXM Works         EPR120       Blockwork Wall & ABWF Works       90       60%       36       02-Nov-18 A       04-Jun-19         EPR130       EAM Installation       90       60%       36       02-Nov-18 A       04-Jun-19         Deck Void       90       15%       77       03-Jan-19 A       01-Feb-20         Deck Void         TD1, TD2, RB_W         DV180       Possess Portions X, IX and XI       0       0%       0       31-May-19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |              |                                                              | 50                 | 078    | 50                    | 00-501-13    | 17-Aug-19   |     |      |
| EN130         Structure         48         0%         48         31-May-19         27-Jul-19           Plant Room         EXM Works         90         60%         36         02-Nov-18 A         04-Jun-19           EPR120         Blockwork Wall & ABWF Works         90         60%         36         02-Nov-18 A         04-Jun-19           EPR130         E&M Installation         90         60%         36         02-Nov-18 A         04-Jun-19           Deck Void         90         15%         77         03-Jan-19 A         01-Feb-20           Deck Void         90         0%         0         31-May-19            DV180         Possess Portions X, IX and XI         0         0%         0         31-May-19            DV110         Possess Portions IX         0         0%         0         31-May-19            DV120         Electrical Installation - Bridge H1         28         0%         28         31-May-19            Approach Roads         0         0%         0         31-May-19             DV120         Electrical Installation - Bridge G1         28         0%         28         05-Jul-19         06-Aug-19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |              | Pageage Partian IX                                           | 0                  | 0%     | 0                     | 21 May 10    |             |     |      |
| Plant Room           E8M Works           EPR120         Blockwork Wall & ABWF Works         90         60%         36         02-Nov-18 A         04-Jun-19           EPR130         E&M Installation         90         15%         77         03-Jan-19 A         01-Feb-20           Deck Void           90         0%         0         31-May-19            DV180         Possess Portions X, IX and XI         0         0%         0         31-May-19            Bridge H1, G1, G2           0         0%         0         31-May-19            DV110         Possess Portions IX         0         0%         0         31-May-19            DV120         Electrical Installation - Bridge H1         28         0%         28         05-Jul-19         04-Jul-19           DV130         Electrical Installation - Bridge G1         28         0%         28         05-Jul-19         06-Aug-19           Approach Raads         Under Portions IX, XI, XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |              |                                                              |                    |        |                       | -            | 97 Jul 10   |     |      |
| E&M Works         90         60%         36         02-Nov-18 A         04-Jun-19           EPR120         Blockwork Wall & ABWF Works         90         15%         77         03-Jan-19 A         01-Feb-20           Deck Void         90         15%         77         03-Jan-19 A         01-Feb-20           Dock Void         90         0%         0         31-May-19         0           Bridge H1, 61, 62         90         0%         0         31-May-19         0           DV110         Possess Portions IX         NX and XI         0         0%         0         31-May-19         0           DV120         Electrical Installation - Bridge H1         28         0%         28         31-May-19         04-Jul-19           DV130         Electrical Installation - Bridge G1         28         0%         28         05-Jul-19         06-Aug-19           Approach Roads         Under Portions IX, XI, XX         Under                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |              | Structure                                                    | 40                 | 076    | 40                    | 51-1viay-19  | 27-Jui-19   |     | <br> |
| EPR120         Blockwork Wall & ABWF Works         90         60%         36         02-Nov-18 A         04-Jun-19           EPR130         E&M Installation         90         15%         77         03-Jan-19 A         01-Feb-20           Deck Void                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |              |                                                              |                    |        |                       |              |             |     |      |
| EPR130       E&M Installation       90       15%       77       03-Jan-19A       01-Feb-20         Deck Void       Image: Constant of the constant of                                                                                          |    |              | Blockwork Wall & ABWE Works                                  | 00                 | 60%    | 26                    | 02-Nov-18 A  | 04- lup-19  |     |      |
| Deck Void       TD1, TD2, RB_W         DV180       Possess Portions X, IX and XI       0       0%       0       31-May-19       Image: Transport of the second of                                                                                          |    |              |                                                              |                    |        |                       |              |             |     |      |
| TD1, TD2, RB_WDV180Possess Portions X, IX and XI00%031-May-191Bridge H1, G1, G200%031-May-191DV110Possess Portions IX00%031-May-191DV120Electrical Installation - Bridge H1280%2831-May-1904-Jul-19DV130Electrical Installation - Bridge G1280%2805-Jul-1906-Aug-19Vnder Portions IX, XI, XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |              |                                                              | 90                 | 1376   | 11                    | 00-0aii-19 A | 01-1 60-20  |     |      |
| DV180Possess Portions X, IX and XI000031-May-191Bridge H1, G1, G20000031-May-191DV110Possess Portions IX0000031-May-190DV120Electrical Installation - Bridge H1280%2831-May-1904-Jul-19DV130Electrical Installation - Bridge G1280%2805-Jul-1906-Aug-19Under Portions IX, XI, XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |              |                                                              |                    |        |                       |              |             |     | <br> |
| Bridge H1, G1, G2         DV110       Possess Portions IX         DV120       Electrical Installation - Bridge H1         DV130       Electrical Installation - Bridge G1         Approach Roads       0%         Under Portions IX, XI, XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |              | Passass Partians X, IX and XI                                | 0                  | 00/    | 0                     | 31-May 10    |             |     |      |
| DV110       Possess Portions IX         DV120       Electrical Installation - Bridge H1         DV130       Electrical Installation - Bridge G1         Approach Roads       0%         Under Portions IX, XI, XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |              |                                                              | U                  | 0%     | 0                     | ST-IVIAY-19  |             |     |      |
| DV120       Electrical Installation - Bridge H1       28       0%       28       31-May-19       04-Jul-19         DV130       Electrical Installation - Bridge G1       28       0%       28       05-Jul-19       06-Aug-19         Approach Roads         Under Portions IX, XI, XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |              | Pageage Partiana IV                                          |                    | 00/    | 0                     | 21 May 10    |             |     |      |
| DV130       Electrical Installation - Bridge G1       28       0%       28       05-Jul-19       06-Aug-19         Approach Roads       Under Portions IX, XI, XX       V       V       V       V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |              |                                                              |                    |        |                       |              | 04_101_10   |     |      |
| Approach Roads Under Portions IX, XI, XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |              |                                                              |                    |        |                       | -            |             |     | <br> |
| Under Portions IX, XI, XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |              |                                                              | 20                 | 0%     | 28                    | 00-001-19    | 00-Aug-19   |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |              |                                                              |                    |        |                       |              |             |     |      |
| An 120 Possess Fortions iA and Ai 0 0% 0 31-May-19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |              | Decesso Dections IV and VI                                   |                    | 00/    | -                     | 01 May 10    |             |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    | ARTZU        |                                                              | U                  | 0%     | 0                     | si-iviay-19  |             |     |      |

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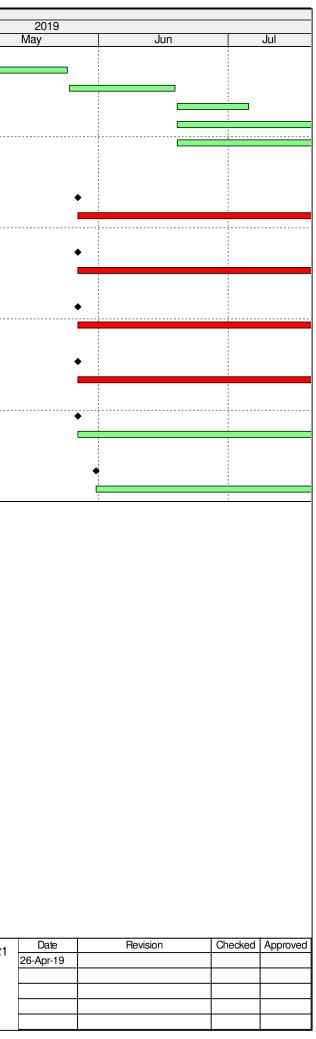
|                   | Activity                                                                                         | Duration<br>(Days) | % Comp | Remaining Start<br>Duration | Finish    |     |
|-------------------|--------------------------------------------------------------------------------------------------|--------------------|--------|-----------------------------|-----------|-----|
| AR130             | Cabling works - Portion IX                                                                       | 45                 | 0%     | 45 23-Apr-19                | 15-Jun-19 | Apr |
| AR133             | Cabling works - Portion XI                                                                       | 45                 | 0%     | 45 17-Jun-19                | 08-Aug-19 |     |
| AR140             | Road lighting installation & termination - Portion IX                                            | 25                 | 0%     | 25 22-May-19                | 20-Jun-19 | -   |
| AR145             | Road lighting installation & termination - Portion XI                                            | 25                 | 0%     | 25 16-Jul-19                | 13-Aug-19 | -   |
| Under Portion X   |                                                                                                  | 20                 | 070    | 20 10 001 10                | 10 Aug 10 |     |
| AR170             | Possess Portions X                                                                               | 0                  | 0%     | 0 31-May-19                 |           | 1   |
| AR176             | Underground Cable Duct Installation (by others)                                                  | 61                 | 0%     | 61 23-Apr-19                | 05-Jul-19 |     |
| AR180             | Cabling works in portion X                                                                       | 90                 | 0%     | 90 06-Jul-19                | 22-Oct-19 | -   |
|                   |                                                                                                  | 90                 | 0 %    | 90 00-Jui-19                | 22-001-19 |     |
|                   | or South Vent Duct, Tunnel, and Approach Roads                                                   |                    |        |                             |           |     |
| E&M Works         | Access to Devisions I                                                                            | 0                  | 1000/  | 0 05 Mar 10 A               |           | •   |
| SVD110            | Access to Portions I                                                                             | 0                  | 100%   | 0 25-Mar-19 A               |           |     |
| SVD120            | Access to Portions III                                                                           | 0                  | 0%     | 0 17-Jul-19                 |           |     |
| Service Gallery   |                                                                                                  |                    |        |                             |           |     |
| Ch 7200 - 5000    |                                                                                                  |                    | ·      |                             | 07.14     | _   |
| TNL-SG1000        | Drilling works CH7200 - 5000                                                                     | 12                 | 0%     | 12 23-Apr-19                | 07-May-19 |     |
| TNL-SG1010        | Wall Mounted Pipe Module Installation CH7200 - 5000                                              | 30                 | 0%     | 30 08-May-19                | 12-Jun-19 |     |
| TNL-SG1020        | Ceiling Mounted Module Delivery CH7200 - 5000                                                    | 30                 | 0%     | 30 13-Jun-19                | 18-Jul-19 | _   |
| TNL-SG1040        | Cabling Works CH7200 - 5000                                                                      | 29                 | 0%     | 29 19-Jul-19                | 21-Aug-19 | _   |
| CH5000 - 3050     |                                                                                                  |                    |        |                             |           |     |
| TNL-SG1060        | Drilling works CH5000 - 3050                                                                     | 12                 | 0%     | 12 17-Jul-19                | 30-Jul-19 | _   |
| Road Level & OHVD |                                                                                                  |                    |        |                             |           |     |
| Ch 7200 - 5000    |                                                                                                  |                    |        |                             |           |     |
| Ch 7200 - 6700    |                                                                                                  |                    |        |                             |           |     |
| TNU-RL1770        | Bracket fixing on side wall - CH7200 to 6700                                                     | 8                  | 0%     | 8 23-Apr-19                 | 02-May-19 |     |
| TNU-RL1775        | Installation Works by Others (to be coordinated)                                                 | 96                 | 0%     | 96 03-May-19                | 24-Aug-19 |     |
| TNU-RL1790        | Lighting in the middle of tunnels - CH7200 to 6700                                               | 8                  | 0%     | 8 03-Jun-19                 | 12-Jun-19 |     |
| TNU-RL1800        | FH/ HR pipe installation - CH7200 to 6700                                                        | 8                  | 65%    | 3 02-Apr-19 A               | 15-Jun-19 |     |
| TNU-RL1830        | Cabling Works on Brackets - CH7200 to 6700                                                       | 14                 | 0%     | 14 15-Jun-19                | 03-Jul-19 |     |
| TNU-RL1840        | MSFD delivery in OHVD - CH7200 to 6700                                                           | 9                  | 0%     | 9 02-Jul-19                 | 11-Jul-19 |     |
| TNU-RL1870        | MSFD installation works in OHVD - CH7200 to 6700                                                 | 9                  | 0%     | 9 12-Jul-19                 | 22-Jul-19 |     |
| TNU-RL1880        | High level wiring works and remaining High level works in the middle of tunnels - CH7200 to 6700 | 20                 | 0%     | 20 19-Jul-19                | 10-Aug-19 |     |
| Ch 6700 - 6100    |                                                                                                  |                    |        |                             |           |     |
| TNU-RL1000        | Bracket fixing on side wall - CH6700 to 6100                                                     | 10                 | 0%     | 10 03-May-19                | 14-May-19 |     |
| TNU-RL1005        | Installation Works by Others (to be coordinated)                                                 | 110                | 0%     | 110 15-May-19               | 23-Sep-19 |     |
| TNU-RL1010        | Lighting in the middle of tunnels - CH6700 to 6100                                               | 9                  | 0%     | 9 25-Jun-19                 | 06-Jul-19 | -   |
| TNU-RL1020        | FH/ HR pipe installation - CH6700 to 6100                                                        | 10                 | 15%    | 9 16-Apr-19 A               | 17-Jul-19 |     |
| TNU-RL1030        | Cabling Works on Brackets - CH6700 to 6100                                                       | 17                 | 0%     | 17 17-Jul-19                | 06-Aug-19 |     |
| TNU-RL1040        | MSFD delivery in OHVD - CH6700 to 6100                                                           | 11                 | 0%     | 11 12-Jul-19                | 24-Jul-19 | -   |
| Ch 6100 - 5600    |                                                                                                  |                    | 0,0    |                             |           |     |
| TNU-RL1110        | Bracket fixing on side wall - CH6100 to 5600                                                     | 8                  | 0%     | 8 15-May-19                 | 23-May-19 | 4   |
| TNU-RL1115        | Installation Works by Others (to be coordinated)                                                 | 122                | 0%     | 122 24-May-19               | 18-Oct-19 |     |
| TNU-RL1120        | Lighting in the middle of tunnels - CH6100 to 5600                                               | 8                  | 0%     | 8 06-Jul-19                 | 16-Jul-19 |     |
| TNU-RL1120        | FH/ HR pipe installation - CH6100 to 5600                                                        |                    | 65%    | 3 09-Apr-19 A               |           | -   |
| CH 5600 - 5000    |                                                                                                  | 8                  | 00%    | 2 0a-Abi-1a A               | 20-JUI-19 |     |
|                   | Procket fiving on side well. CHECOD to 5000                                                      | 10                 | 00/    | 10 04 Mar. 10               | 04 1      | 1   |
| TNU-RL1220        | Bracket fixing on side wall - CH5600 to 5000                                                     | 10                 | 0%     | 10 24-May-19                | 04-Jun-19 | -   |
| TNU-RL1225        | Installation Works by Others (to be coordinated)                                                 | 136                | 0%     | 136 05-Jun-19               | 15-Nov-19 |     |
| TNU-RL1230        | Lighting in the middle of tunnels - CH5600 to 5000                                               | 9                  | 5%     | 9 02-Apr-19 A               |           | _   |
| TNU-RL1240        | FH/ HR pipe installation - CH5600 to 5000                                                        | 10                 | 50%    | 5 16-Apr-19 A               | 16-Aug-19 |     |

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| ID                           | Activity                                                                |         | Finish     | · · · · · · · · · · · · · · · · · · · |            |                          |                                              |      |                 |          |         |          |
|------------------------------|-------------------------------------------------------------------------|---------|------------|---------------------------------------|------------|--------------------------|----------------------------------------------|------|-----------------|----------|---------|----------|
|                              |                                                                         | (Days)  |            | Duration                              |            |                          |                                              | Apr  | 2019<br>May     | Jun      |         | Jul      |
| CH5000 - 3050                |                                                                         |         |            |                                       |            |                          |                                              | 7.01 | Way             | U        |         |          |
| CH5000-4500                  |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| TNU-RL1780                   | Bracket fixing on side wall - CH5000 to 4500                            | 8       | 0%         | 8 17                                  | -Jul-19    | 25-Jul-19                |                                              |      |                 |          |         | -        |
|                              | r Satellite Control Building and Kiosks S1&S2                           |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| E&M Works for Satellite Co   |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| E&M Works                    |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| Installation                 |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| SCB-EMGF1210                 | E&M cast-in Installation                                                | 18      | 0%         | 18 16                                 | -Mav-19    | 05-Jun-19                |                                              |      |                 |          |         |          |
| G/F                          |                                                                         |         |            |                                       | ,          |                          |                                              |      |                 |          |         |          |
| SCB-EMGF11                   | ABWF Works ready for E&M Mobilization to CLP Tx Room - G/F              | 0       | 0%         | 0 06                                  | -Jul-19    |                          |                                              |      |                 |          | •       |          |
|                              | for South Ventilation Building                                          |         | 0,0        |                                       |            |                          |                                              |      |                 |          |         |          |
| SVB-SEM1000                  | SEM Drawings ready for Structural Works for SVB                         | 0       | 0%         | 0 23                                  | -Apr-19    |                          |                                              | •    |                 |          |         |          |
| Installation                 |                                                                         | U       | 078        | 0 20                                  |            |                          |                                              |      |                 |          |         |          |
| B2/F                         |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| SVB-EMB21010                 | E&M Installation - 1st fix - B2/F                                       | 25      | 0%         | 25 18                                 | -Mar-19 A  | 16-Jan-20                |                                              |      |                 |          |         |          |
|                              |                                                                         | 23      | 0 /8       | 23 10                                 | -IVIAI-19A | 10-5411-20               |                                              |      |                 |          |         |          |
| Key Date 10 - FSD Building S |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| Building Structure           | ELS Demoved for ESD Substructure (under KD 4A)                          | 0       | 1009/      | 0                                     |            | 20 Mar 10 A              | •                                            |      |                 |          |         |          |
| FSD200<br>FSD210             | ELS Removed for FSD Substructure (under KD 4A)<br>Ground Floor          | 0       | 100%<br>0% | 0                                     | -May-19    | 30-Mar-19 A<br>04-Jun-19 | •                                            |      |                 | <u> </u> |         |          |
|                              | First Floor                                                             | 20      |            |                                       | •          |                          |                                              |      |                 |          |         |          |
| FSD220                       |                                                                         | 25      | 0%         |                                       |            | 05-Jul-19                |                                              |      |                 |          |         |          |
| FSD230                       | Roof Slab                                                               | 25      | 0%         | 25 05                                 | -Jul-19    | 03-Aug-19                |                                              |      |                 |          |         |          |
| ABWF Works                   |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| AFSD1000                     | Blockwork Walls                                                         | 25      | 0%         | 25 19                                 | -Jul-19    | 17-Aug-19                |                                              |      |                 |          |         |          |
| E&M Works                    |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| Installation                 |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| FSDB-EMGF0001                | E&M cast-in Installation                                                | 80      | 0%         | 80 25                                 | -May-19    | 29-Aug-19                |                                              |      |                 |          |         |          |
| Statutory Inspections an     |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| FSDB-SI1000                  | Submission of Genset Exhaust Drawing to EPD                             | 0       | 0%         |                                       | -May-19    |                          |                                              |      | •               |          |         |          |
| FSDB-SI1005                  | Review and Approval of Genset Exhaust Drawing by EPD                    | 48      | 0%         | 48 27                                 | -May-19    | 23-Jul-19                |                                              |      |                 |          |         |          |
| Key Date 9 - C&ED Building   | & E&M Works                                                             |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| Building Structure           |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| CED210                       | ELS Removed for C&ED Substructure (under KD 4A)                         | 0       | 0%         | 0                                     |            | 23-Apr-19                |                                              | •    |                 |          |         |          |
| CED220                       | Ground Floor                                                            | 20      | 0%         | 20 04                                 | -May-19    | 28-May-19                |                                              |      |                 |          |         |          |
| CED230                       | First Floor                                                             | 25      | 0%         | 25 28                                 | -May-19    | 27-Jun-19                |                                              |      |                 |          |         |          |
| CED240                       | Second Floor                                                            | 25      | 0%         | 25 27                                 | -Jun-19    | 27-Jul-19                |                                              |      |                 |          |         |          |
| E&M Works                    |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| Installation                 |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| C&EDB-GF0001                 | E&M cast-in Installation                                                | 90      | 0%         | 90 18                                 | -May-19    | 03-Sep-19                |                                              |      |                 | :<br>    |         |          |
| Statutory Inspections an     | d approvals                                                             |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| C&EDB-SI1000                 | Submission of Genset Exhaust Drawing to EPD                             | 0       | 0%         | 0 27                                  | -May-19    |                          |                                              |      | •               |          |         |          |
| C&EDB-SI1005                 | Review and Approval of Genset Exhaust Drawing by EPD                    | 48      | 0%         | 48 27                                 | -May-19    | 23-Jul-19                |                                              |      | -               | -        |         |          |
| Key Date 11 - Landscape Sc   | oft Works & Trees Protection                                            |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| Trees Protection             |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| SL195                        | Protection Existing Trees & Submit Report with Photographic Record No.6 | 41      | 12.2%      | 36 13                                 | -Apr-19 A  | 04-Jun-19                |                                              |      |                 |          |         |          |
| SL196                        | Protection Existing Trees & Submit Report with Photographic Record No.7 | 41      | 0%         |                                       | -          | 24-Jul-19                |                                              |      |                 |          | 1       |          |
| Key Date 8 - All Works for T | unnel Comissioning & Opening                                            |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| Petrol Filling Station       |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
| Structure                    |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
|                              |                                                                         |         |            |                                       |            |                          | <u>                                     </u> | I    | :               | ;        |         |          |
| <b></b>                      |                                                                         |         |            | 17/10                                 |            |                          |                                              |      | P 20/21         | Revision | Checked | Approved |
|                              |                                                                         |         |            |                                       |            |                          |                                              |      | 20/21 26-Apr-19 |          |         |          |
|                              | NORTHERN TUNNEL                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
|                              | THREE MONTHLY                                                           | Y PROGR | AMME A     | S OF 20 AF                            | PR 2019    | )                        |                                              |      |                 |          |         |          |
|                              |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |
|                              |                                                                         |         |            |                                       |            |                          |                                              |      |                 |          |         |          |

| ID |                           | Activity                                             | Duration | % Comp | Remaining Start | Finish    |         |   |
|----|---------------------------|------------------------------------------------------|----------|--------|-----------------|-----------|---------|---|
|    |                           |                                                      | (Days)   |        | Duration        | -         | <br>Apr |   |
|    | PS110                     | Possess Portion Vc                                   | 0        | 0%     | 0               | 02-May-19 | •       | • |
|    | PS120                     | Excavation                                           | 20       | 0%     | 20 02-May-19    | 24-May-19 |         |   |
|    | PS130                     | Footing                                              | 20       | 0%     | 20 25-May-19    | 18-Jun-19 |         |   |
|    | PS140                     | Petrol Filling Station Roof                          | 14       | 0%     | 14 19-Jun-19    | 05-Jul-19 |         |   |
|    | PS150                     | Structure for Petrol Filling Station                 | 36       | 0%     | 36 19-Jun-19    | 31-Jul-19 |         |   |
|    | PS160                     | Underground Fuel Tank Structure                      | 36       | 0%     | 36 19-Jun-19    | 31-Jul-19 |         |   |
|    | Statutory Inspections and | lapprovals                                           |          |        |                 | ,         |         |   |
|    | Administration Building   | g                                                    |          |        |                 |           |         |   |
|    | ADB-SI1000                | Submission of Genset Exhaust Drawing to EPD          | 0        | 0%     | 0 27-May-19     |           |         |   |
|    | ADB-SI1005                | Review and Approval of Genset Exhaust Drawing by EPD | 48       | 0%     | 48 27-May-19    | 23-Jul-19 |         |   |
|    | Maintenance Depot         |                                                      |          |        |                 |           |         |   |
|    | MD-SI1000                 | Submission of Genset Exhaust Drawing to EPD          | 0        | 0%     | 0 27-May-19     |           |         |   |
|    | MD-SI1005                 | Review and Approval of Genset Exhaust Drawing by EPD | 48       | 0%     | 48 27-May-19    | 23-Jul-19 |         |   |
|    | North Ventilation Build   | ling                                                 |          |        |                 |           |         |   |
|    | NVB-SI1000                | Submission of Genset Exhaust Drawing to EPD          | 0        | 0%     | 0 27-May-19     |           |         |   |
|    | NVB-SI1005                | Review and Approval of Genset Exhaust Drawing by EPD | 48       | 0%     | 48 27-May-19    | 23-Jul-19 |         |   |
|    | Toll Control Building &   | Toll Collector Subway                                |          |        |                 |           |         |   |
|    | TCB-SI0010                | Submission of Genset Exhaust Drawing to EPD          | 0        | 0%     | 0 27-May-19     |           |         |   |
|    | TCB-SI0015                | Review and Approval of Genset Exhaust Drawing by EPD | 48       | 0%     | 48 27-May-19    | 23-Jul-19 |         |   |
|    | Satellite Control Buildin | ng                                                   |          |        |                 |           |         |   |
|    | SCB-SI1000                | Submission of Genset Exhaust Drawing to EPD          | 0        | 0%     | 0 27-May-19     |           |         |   |
|    | SCB-SI1005                | Review and Approval of Genset Exhaust Drawing by EPD | 48       | 0%     | 48 27-May-19    | 23-Jul-19 |         |   |
|    | South Ventilation Build   | ling                                                 |          |        |                 |           |         |   |
|    | SVB-SI1000                | Submission of Genset Exhaust Drawing to EPD          | 0        | 0%     | 0 31-May-19     |           |         |   |
|    | SVB-SI1005                | Review and Approval of Genset Exhaust Drawing by EPD | 48       | 0%     | 48 31-May-19    | 29-Jul-19 |         |   |



Appendix C

# Environmental Mitigation and Enhancement Measure Implementation Schedules

(In reference to CINOTECH (2011) Agreement No. CE35/2011 EP Baseline Environmental Monitoring for Hong Kong-Zhuhai-Macao Bridge Tuen Mun-Chep Lap Kok Link – Investigation. Updated EM&A Manual for Tuen Mun-Chek Lap Kok Link)

| EIA Reference        | EM&A<br>Manual<br>Reference | Environmental Protection Measures                                                                                                                                                                                                                                                  | Location/ Timing                                                                           | Implementation<br>Agent | Relevant Standard<br>or Requirement             | Implementation<br>Stages<br>D C O | Status *                                                            |
|----------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------|-----------------------------------|---------------------------------------------------------------------|
| Air Quality<br>4.8.1 | 3.8                         | Watering of the construction sites in Lantau for 8 times/day and in Tuen Mun for 12 times/day to reduce dust emissions by 87.5% and 91.7% respectively and shall be undertaken.                                                                                                    |                                                                                            | Contractor              | TMEIA Avoid dust generation                     | Y                                 | ~                                                                   |
| 4.8.1                | 3.8                         | The Contractor shall, to the satisfaction of the Engineer, install<br>effective dust suppression measures and take such other measures as<br>may be necessary to ensure that at the Site boundary and any nearby<br>sensitive receiver, dust levels are kept to acceptable levels. | construction period                                                                        | Contractor              | TMEIA Avoid dust generation                     | Y                                 |                                                                     |
| 4.8.1                | 3.8                         | The Contractor shall not burn debris or other materials on the works areas.                                                                                                                                                                                                        | All areas / throughout<br>construction period                                              | Contractor              | TMEIA Avoid dust generation                     | Y                                 | ✓                                                                   |
| 4.8.1                | 3.8                         |                                                                                                                                                                                                                                                                                    | All unpaved haul roads /<br>throughout construction period<br>in hot, dry or windy weather | Contractor              | TMEIA Avoid smoke<br>impacts and<br>disturbance | Y                                 | ~                                                                   |
| 4.8.1                | 3.8                         | Where breaking of oversize rock/concrete is required, watering shall<br>be implemented to control dust. Water spray shall be used during the<br>handling of fill material at the site and at active cuts, excavation and<br>fill sites where dust is likely to be created.         | construction period                                                                        | Contractor              | TMEIA Avoid dust generation                     | Y                                 | ~                                                                   |
| 4.8. 1               | 3.8                         | Open dropping heights for excavated materials shall be controlled to a maximum height of 2m to minimise the fugitive dust arising from unloading.                                                                                                                                  |                                                                                            | Contractor              | TMEIA Avoid dust generation                     | Y                                 | ×                                                                   |
| 4.8.1                | 3.8                         | During transportation by truck, materials shall not be loaded to a level<br>higher than the side and tail boards, and shall be dampened or<br>covered before transport.                                                                                                            |                                                                                            | Contractor              | TMEIA Avoid dust generation                     | Y                                 | <b>√</b>                                                            |
| 4.8.1                | 3.8                         | Materials having the potential to create dust shall not be loaded to a                                                                                                                                                                                                             | construction period                                                                        | Contractor              | TMEIA Avoid dust generation                     | Y                                 |                                                                     |
| 4.8.1                | 3.8                         | No earth, mud, debris, dust and the like shall be deposited on<br>public roads. Wheel washing facility shall be usable prior to any<br>earthworks excavation activity on the site.                                                                                                 |                                                                                            | Contractor              | TMEIA Avoid dust                                | Y                                 | ✓                                                                   |
| 4.8.1                | 3.8                         | Areas of exposed soil shall be minimised to areas in which works have been completed shall be restored as soon as is practicable.                                                                                                                                                  | All exposed surfaces /<br>throughout construction period                                   | Contractor              | TMEIA Avoid dust generation                     | Y                                 | 1                                                                   |
| 4.8.1                | 3.8                         | All stockpiles of aggregate or spoil shall be enclosed or covered and water applied in dry or windy condition.                                                                                                                                                                     | All areas / throughout<br>construction period                                              | Contractor              | TMEIA Avoid dust generation                     | Y                                 | ~                                                                   |
| 4.11                 | Section 3                   | EM&A in the form of 1 hour and 24 hour dust monitoring and site audit.                                                                                                                                                                                                             | All representative existing ASRs<br>/ throughout construction<br>period                    | Contractor              | EM&A Manual                                     | Y                                 | n/a (Results adopted<br>from published EM&A<br>data of Contract No. |

Legend: D=Design, C=Construction, O=Operation

| EIA Reference | EM&A<br>Manual | Environmental Protection Measures                                                                                                                                                                                                                                                                                                                                                                                       | Location/ Timing                             | Implementation<br>Agent | Relevant Standard<br>or Requirement | - | olementat<br>Stages |   | Status *    |
|---------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------|-------------------------------------|---|---------------------|---|-------------|
|               | Reference      |                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                         |                                     | D | C                   | 0 | -           |
|               |                |                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                         |                                     |   |                     |   | HY/2012/08) |
| WATER QUAL    | ITY (LAND )    |                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                         |                                     |   |                     |   |             |
| 6.10          | -              | Wastewater from temporary site facilities should be controlled to                                                                                                                                                                                                                                                                                                                                                       |                                              | Contractor              | TM-EIAO                             |   | Y                   |   | √           |
|               |                | prevent direct discharge to surface or marine waters.                                                                                                                                                                                                                                                                                                                                                                   | construction period                          |                         |                                     |   |                     |   |             |
| 6.10          | -              | Sewage effluent and discharges from on-site kitchen facilities shall<br>be directed to Government sewer in accordance with the requirements<br>of the WPCO or collected for disposal offsite. The use of<br>soakaways shall be avoided.                                                                                                                                                                                 | construction period                          | Contractor              | TM-EIAO                             |   | Y                   |   | ✓           |
| 6.10          | -              | Storm drainage shall be directed to storm drains via adequately<br>designed sand/silt removal facilities such as sand traps, silt traps and<br>sediment basins. Channels, earth bunds or sand bag barriers should<br>be provided on site to properly direct stormwater to such silt removal<br>facilities. Catchpits and perimeter channels should be constructed in<br>advance of site formation works and earthworks. | All areas/ throughout<br>construction period | Contractor              | TM-EIAO                             |   | Y                   |   | ~           |
| 6.10          | -              | Silt removal facilities, channels and manholes shall be maintained and<br>any deposited silt and grit shall be removed regularly, including<br>specifically at the onset of and after each rainstorm.                                                                                                                                                                                                                   |                                              | Contractor              | TM-EIAO                             |   | Y                   |   | ~           |
| 6.10          | -              | Temporary access roads should be surfaced with crushed stone or gravel.                                                                                                                                                                                                                                                                                                                                                 | All areas/ throughout<br>construction period | Contractor              | TM-EIAO                             |   | Y                   |   | √           |
| 6.10          | -              | Rainwater pumped out from trenches or foundation excavations<br>should be discharged into storm drains via silt removal<br>facilities.                                                                                                                                                                                                                                                                                  |                                              | Contractor              | TM-EIAO                             |   | Ŷ                   |   | ~           |
| 6.10          | -              | Measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system.                                                                                                                                                                                                                                                                                               | All areas/ throughout<br>construction period | Contractor              | TM-EIAO                             |   | Y                   |   | 1           |
| 6.10          | -              | Open stockpiles of construction materials (e.g. aggregates and sand)<br>on site should be covered with tarpaulin or similar fabric during<br>rainstorms.                                                                                                                                                                                                                                                                |                                              | Contractor              | TM-EIAO                             |   | Y                   |   | <b>√</b>    |
| 6.10          | 5.8            | Manholes (including any newly constructed ones) should always be<br>adequately covered and temporarily sealed so as to prevent silt,<br>construction materials or debris from getting into the drainage system,<br>and to prevent storm run-off from getting into foul sewers.                                                                                                                                          | construction period                          | Contractor              | TM-EIAO                             |   | Y                   |   | <i>✓</i>    |
| 6.10          | -              | Discharges of surface run-off into foul sewers must always be<br>prevented in order not to unduly overload the foul sewerage system.                                                                                                                                                                                                                                                                                    | All areas/ throughout<br>construction period | Contractor              | TM-EIAO                             |   | Ŷ                   |   | ✓           |
| 6.10          | -              | All vehicles and plant should be cleaned before they leave the construction site to ensure that no earth, mud or debris is deposited by them on roads. A wheel washing bay should be provided at every site exit.                                                                                                                                                                                                       | construction period                          | Contractor              | TM-EIAO                             |   | Y                   |   | <i>✓</i>    |

Legend: D=Design, C=Construction, O=Operation

| EIA Reference        | EM&A<br>Manual | Environmental Protection Measures                                                                                                                                                                                                                                                                                                                                                                                                                                   | Location/ Timing                             | Implementation<br>Agent             | Relevant Standard<br>or Requirement                                                                                                               | Imp | plementa<br>Stages | tion | Status *     |
|----------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------|------|--------------|
|                      | Reference      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                                     |                                                                                                                                                   | D   | С                  | 0    |              |
| 6.10                 | -              | Wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain.                                                                                                                                                                                                                                                                                                                                                        | All areas/ throughout construction period    | Contractor                          | TM-EIAO                                                                                                                                           |     | Y                  |      | $\checkmark$ |
| 6.10                 | -              | Section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel.                                                                                                                                                                                                                                                                                                                              | All areas/ throughout<br>construction period | Contractor                          | TM-EIAO                                                                                                                                           |     | Y                  |      | ~            |
| 6.10                 | -              | Wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects.                                                                                                                                                                                                                                                                                                       |                                              | Contractor                          | TM-EIAO                                                                                                                                           |     | Y                  |      | ✓            |
| 6.10                 | -              | Vehicle and plant servicing areas, vehicle wash bays and lubrication<br>facilities shall be located under roofed areas. The drainage in<br>these covered areas shall be connected to foul sewers via a petrol<br>interceptor in accordance with the requirements of the WPCO or<br>collected for off site disposal.                                                                                                                                                 | construction period                          | Contractor                          | TM-EIAO                                                                                                                                           |     | Y                  |      | N/A          |
| 6.10                 | -              | The Contractor shall prepare an oil / chemical cleanup plan and<br>ensure that leakages or spillages are contained and cleaned up<br>immediately.                                                                                                                                                                                                                                                                                                                   |                                              | Contractor                          | TM-EIAO                                                                                                                                           |     | Y                  |      | 4            |
| 6.10                 | -              | Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance.                                                                                                                                                                                                                                                                                                                                                | All areas/ throughout<br>construction period | Contractor                          | TM-EIAO Waste<br>Disposal<br>Ordinance                                                                                                            |     | Y                  |      | ~            |
| 6.10                 | -              | All fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.                                                                                                                                                                                                                                    | construction period                          | Contractor                          | TM-EIAO                                                                                                                                           |     | Y                  |      | ~            |
| 6.10                 | -              | Surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system.                                                                                                                                                                                                                                                                                                                                                 | All areas/ throughout construction period    | Contractor                          | TM-EIAO                                                                                                                                           |     | Y                  |      | <>           |
| 6.10                 | -              | Roadside gullies to trap silt and grit shall be provided prior to discharging the stormwater into the marine environment. The sumps will be maintained and cleaned at regular intervals.                                                                                                                                                                                                                                                                            |                                              | Design<br>Consultant/<br>Contractor | TM-EIAO                                                                                                                                           | Y   |                    | Y    | ~            |
| 6.10                 | Section 11     | All construction works shall be subject to routine audit to ensure<br>implementation of all EIA recommendations and good<br>working practice.                                                                                                                                                                                                                                                                                                                       |                                              | Contractor                          | EM&A Manual                                                                                                                                       |     | Y                  |      | ~            |
| <b>WASTE</b><br>12.6 |                | The Contractor shall identify a coordinator for the management of waste.                                                                                                                                                                                                                                                                                                                                                                                            | Contract mobilisation                        | Contractor                          | TMEIA                                                                                                                                             |     | Y                  |      | $\checkmark$ |
| 12.6                 |                | The Contractor shall prepare and implement a Waste<br>Management Plan which specifies procedures such as a ticketing<br>system, to facilitate tracking of loads and to ensure that illegal disposal<br>of wastes does not occur, and protocols for the maintenance of<br>records of the quantities of wastes generated, recycled and<br>disposed. A recording system for the amount of waste generated,<br>recycled and disposed (locations) should be established. |                                              | Contractor                          | TMEIA, Works<br>Branch Technical<br>Circular No. 5/99 for<br>the Trip-ticket<br>System for Disposal<br>of Construction and<br>Demolition Material |     | Y                  |      | 4            |

| EIA Reference | EM&A<br>Manual | Environmental Protection Measures                                                                                                                                                                                                                                                                                                                                                                         | Location/ Timing                              | Implementation<br>Agent | Relevant Standard<br>or Requirement                                                                                                                                                              | Imp | olementa<br>Stages | tion | Status *     |
|---------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------|------|--------------|
|               | Reference      |                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |                         |                                                                                                                                                                                                  | D   | С                  | 0    |              |
| 12.6          |                | The Contractor shall apply for and obtain the appropriate licenses for<br>the disposal of public fill, chemical waste and effluent discharges.                                                                                                                                                                                                                                                            | Contract mobilisation                         | Contractor              | TMEIA, Land<br>(Miscellaneous<br>Provisions)<br>Ordinance (Cap<br>28); Waste Disposal<br>Ordinance (Cap 354);<br>Dumping at Sea<br>Ordinance (Cap 466);<br>Water Pollution<br>Control Ordinance. |     | Y                  |      | ~            |
| 12.6          | 8.1            | Training shall be provided to workers about the concepts of site cleanliness and appropriate waste management procedures including waste reduction, reuse and recycling.                                                                                                                                                                                                                                  |                                               | Contractor              | TMEIA                                                                                                                                                                                            |     | Y                  |      | 4            |
| 12.6          | 8.1            | The extent of cutting operation should be optimised where possible.<br>Earth retaining structures and bored pile walls should be proposed to<br>minimise the extent of cutting.                                                                                                                                                                                                                           |                                               | Contractor              | TMEIA                                                                                                                                                                                            |     | Y                  |      | ~            |
| 12.6          | 8.1            | The site and surroundings shall be kept tidy and litter free.                                                                                                                                                                                                                                                                                                                                             | All areas / throughout<br>construction period | Contractor              | TMEIA                                                                                                                                                                                            |     | Y                  |      | ✓            |
| 12.6          | 8.1            | No waste shall be burnt on site.                                                                                                                                                                                                                                                                                                                                                                          | All areas / throughout<br>construction period | Contractor              | TMEIA                                                                                                                                                                                            |     | Y                  |      | $\checkmark$ |
| 12.6          | 8.1            | The Contractor shall be prohibited from disposing of C&D materials<br>at any sensitive locations. The Contractor should propose the final<br>disposal sites in the EMP and WMP for approval before<br>implementation.                                                                                                                                                                                     | construction period                           | Contractor              | TMEIA                                                                                                                                                                                            |     | Y                  |      | ~            |
| 12.6          | 8.1            | Stockpiled material shall be covered by tarpaulin and /or watered as appropriate to prevent windblown dust/ surface run off.                                                                                                                                                                                                                                                                              | All areas / throughout<br>construction period | Contractor              | TMEIA                                                                                                                                                                                            |     | Y                  |      | <>           |
| 12.6          | 8.1            | Excavated material in trucks shall be covered by tarpaulins to reduce the potential for spillage and dust generation.                                                                                                                                                                                                                                                                                     | All areas / throughout<br>construction period | Contractor              | TMEIA                                                                                                                                                                                            |     | Y                  |      | ~            |
| 12.6          | 8.1            | Wheel washing facilities shall be used by all trucks leaving the site to prevent transfer of mud onto public roads.                                                                                                                                                                                                                                                                                       | All areas / throughout<br>construction period | Contractor              | TMEIA                                                                                                                                                                                            |     | Y                  |      | 1            |
| 12.6          | 8.1            | Standard formwork or pre-fabrication should be used as far as practicable so as to minimise the C&D materials arising. The use of more durable formwork/plastic facing for construction works should be considered. The use of wooden hoardings should be avoided and metal hoarding should be used to facilitate recycling. Purchasing of construction materials should avoid over-ordering and wastage. | All areas / throughout<br>construction period | Contractor              | TMEIA                                                                                                                                                                                            |     | Y                  |      | ✓            |

Legend: D=Design, C=Construction, O=Operation

| EIA Reference | EM&A<br>Manual | Environmental Protection Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Location/ Timing                              | Implementation<br>Agent | Relevant Standard<br>or Requirement | Implementa<br>Stages | tion | Status *     |
|---------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------|-------------------------------------|----------------------|------|--------------|
|               | Reference      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                         |                                     | D C                  | 0    |              |
| 12.6          | 8.1            | The Contractor should recycle as many C&D materials (this is a waste section) as possible on-site. The public fill and C&D waste should be segregated and stored in separate containers or skips to facilitate the reuse or recycling of materials and proper disposal. Where practicable, the concrete and masonry should be crushed and used as fill materials. Steel reinforcement bar should be collected for use by scrap steel mills. Different areas of the sites should be considered for segregation and storage activities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | construction period                           | Contractor              | TMEIA                               | Y                    |      | 4            |
| 12.6          | 8.1            | All falsework will be steel instead of wood.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | All areas / throughout<br>construction period | Contractor              | TMEIA                               | Y                    |      | $\checkmark$ |
| 12.6          | 8.1            | Chemical waste producers should register with the EPD. Chemical waste should be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows:<br><i>f</i> suitable for the substance to be held,<br>resistant to corrosion, maintained in good conditions and securely<br>closed;<br><i>f</i> Having a capacity of <450L unless the<br>specifications have been approved by the EPD; and<br>w<br>Chinese according to the instructions prescribed in Schedule 2 of the<br>Regulations.<br><i>f</i> Clearly labelled and used solely for the<br>storage of chemical wastes;<br><i>f</i> Enclosed with at least 3 sides;<br><i>f</i> Impermeable floor and bund with<br>capacity to accommodate 110% of the volume of the largest container<br>or 20% by volume of the chemical waste stored in the area, whichever<br>is greatest;<br><i>f</i> Adequate ventilation;<br><i>f</i> Sufficiently covered to prevent rainfall<br>entering (water collected within the bund must be tested and<br>disposed of as chemical waste, if necessary); and<br><i>f</i> Incompatible materials are adequately<br>separated. | construction period                           | Contractor              | TMEIA                               | Y                    |      |              |
| 12.6          | 8.1            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | All areas / throughout<br>construction period | Contractor              | TMEIA                               | Y                    |      | √            |
| 12.6          | 8.1            | Adequate numbers of portable toilets should be provided for on-<br>site workers. Portable toilets should be maintained in reasonable<br>states, which will not deter the workers from utilising them.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                               | Contractor              | TMEIA                               | Y                    |      | ~            |

| EIA Reference | EM&A<br>Manual    | Environmental Protection Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Location/ Timing                              | Implementation<br>Agent          | Relevant Standard<br>or Requirement | - | lementa<br>Stages |   | Status * |
|---------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------|-------------------------------------|---|-------------------|---|----------|
|               | Reference         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |                                  |                                     | D | C                 | 0 |          |
| 12.6          | 8.1               | Night soil should be regularly collected by licensed collectors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | All areas / throughout<br>construction period | Contractor                       | TMEIA                               |   | Y                 |   | N/A      |
| 12.6          | 8.1               | General refuse arising on-site should be stored in enclosed bins or<br>compaction units separately from C&D and chemical wastes.<br>Sufficient dustbins shall be provided for storage of waste as required<br>under the Public Cleansing and Prevention of Nuisances By-laws. In<br>addition, general refuse shall be cleared daily and shall be disposed of<br>to the nearest licensed landfill or refuse transfer station. Burning<br>of refuse on construction sites is prohibited.                                                                           | construction period                           | Contractor                       | TMEIA                               |   | Y                 |   | ✓        |
| 12.6          | 8.1               | All waste containers shall be in a secure area on hardstanding;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | All areas / throughout<br>construction period | Contractor                       | TMEIA                               |   | Y                 |   | ✓        |
| 12.6          | 8.1               | Office wastes can be reduced by recycling of paper if such volume is<br>sufficiently large to warrant collection. Participation in a local<br>collection scheme by the Contractor should be advocated. Waste<br>separation facilities for paper, aluminium cans, plastic bottles, etc<br>should be provided on-site.                                                                                                                                                                                                                                             | construction period                           | Contractor                       | TMEIA                               |   | Y                 |   | ✓        |
| 12.6          | Section 8         | EM&A of waste handling, storage, transportation, disposal procedures and documentation through the site audit programme shall be undertaken.                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               | Contractor                       | EM&A Manual                         |   | Y                 |   | ✓        |
| LANDSCAPE A   | AND VISUAI<br>7.6 | Existing trees on boundary of the Project Area shall be carefully<br>protected during construction. Detailed Tree Protection Specification<br>shall be provided in the Contract Specification. Under this<br>specification, the Contractor shall be required to submit, for approval,<br>a detailed working method statement for the protection of trees prior<br>to undertaking any works adjacent to all retained trees, including trees<br>in contractor's works areas (Tree protection measures will be detailed<br>at Tree Removal Application Stage) (CM1) | during construction                           | Design Consultant/<br>Contractor | TMEIA                               | Υ | Y                 |   | N/A      |

Legend: D=Design, C=Construction, O=Operation

| EIA Reference | EM&A<br>Manual | Environmental Protection Measures                                                                                                                                                                                                                                                                                                                                                                                      | Location/ Timing                                                        | Implementation<br>Agent          | Relevant Standard<br>or Requirement |   | plementa<br>Stages |   | Status *                                       |
|---------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------|-------------------------------------|---|--------------------|---|------------------------------------------------|
|               | Reference      |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |                                  |                                     | D | С                  | 0 |                                                |
| 10.9          | 7.6            | Trees unavoidably affected by the works shall be transplanted where<br>practical. Trees will be transplanted straight to their final receptor site<br>and not held in a temporary nursery. A detailed Tree Transplanting<br>Specification shall be provided in the Contract Specification. Sufficient<br>time for necessary tree root and crown preparation periods shall be<br>allowed in the project programme (CM2) | during construction                                                     | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  |   | N/A                                            |
| 10.9          | 7.6            | Hillside and roadside screen planting to proposed roads, associated structures and slope works (CM3)                                                                                                                                                                                                                                                                                                                   | All areas/detailed design/<br>during construction/post<br>construction  | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  |   | N/A                                            |
| 10.9          | 7.6            | Hydroseeding or sheeting of soil stockpiles with visually unobstrusive material (in earth tone) (CM4)                                                                                                                                                                                                                                                                                                                  | All areas/detailed design/<br>during construction/post<br>construction  | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  |   | N/A                                            |
| 10.9          | 7.6            | Screening of construction works by hoardings around works area in visually unobtrusive colours, to screen works (CM5)                                                                                                                                                                                                                                                                                                  | All areas/detailed design/<br>during construction                       | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  |   | N/A                                            |
| 10.9          | 7.6            | Control night-time lighting and glare by hooding all lights (CM6)                                                                                                                                                                                                                                                                                                                                                      | All areas/detailed design/<br>during construction                       | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  |   | N/A                                            |
| 10.9          | 7.6            | Ensure no run-off into water body adjacent to the Project Area (CM7)                                                                                                                                                                                                                                                                                                                                                   | All areas/detailed design/<br>during construction                       | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  |   | N/A                                            |
| 10.9          | 7.6            | Avoidance of excessive height and bulk of buildings and structures (CM8)                                                                                                                                                                                                                                                                                                                                               | All areas/detailed design/<br>during construction                       | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  |   | <b>√</b>                                       |
| 10.9          | 7.6            | Recycle/ Reuse all felled trees and vegetation, e.g. mulching (CM9)                                                                                                                                                                                                                                                                                                                                                    | All areas/detailed design/<br>during construction                       | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  |   | N/A                                            |
| 10.9          | 7.6            | Compensatory tree planting shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006 (CM10)                                                                                                                             | during construction                                                     | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  |   | N/A                                            |
| 10.9          | 7.6            | Re-vegetation of affected woodland/shrubland with native species<br>(OM1)                                                                                                                                                                                                                                                                                                                                              | All areas/detailed design/<br>during construction/ during<br>operation  | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  | Y | n/a.<br>To be implemented by<br>AFCD/HyD/L CSD |
| 10.9          | 7.6            | Tall buffer screen tree / shrub / climber planting should be<br>incorporated to soften hard engineering structures and facilities<br>(OM2)                                                                                                                                                                                                                                                                             | All areas/detailed design/<br>during construction/ during<br>operation  | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  | Y | n/a.<br>To be implemented by<br>AFCD/HyD/L CSD |
| 10.9          | 7.6            | Streetscape elements (e.g. paving, signage, street furniture, lighting<br>etc.) shall be sensitively designed in a manner that responds to the<br>local context, and minimises potential negative landscape and visual<br>impacts. Lighting units should be directional and minimise<br>unnecessary light spill (OM3)                                                                                                  | All areas/detailed design/<br>during construction / during<br>operation | Design Consultant/<br>Contractor | TMEIA                               | Y | Y                  | Y | n/a.<br>To be implemented by<br>HyD/LCSD       |

Legend: D=Design, C=Construction, O=Operation

| EIA Reference | EM&A<br>Manual | Environmental Protection Measures                                                                                                                                                                                                 | Location/ Timing                                                        | Implementation<br>Agent          | Relevant Standard<br>or Requirement | Imp | plementa<br>Stages | tion | Status *                                 |
|---------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------|-------------------------------------|-----|--------------------|------|------------------------------------------|
|               | Reference      |                                                                                                                                                                                                                                   |                                                                         |                                  |                                     | D   | C                  | 0    |                                          |
| 10.9          |                | Structure, ornamental tree / shrub / climber planting should be<br>provided along roadside amenity strips, central dividers and newly<br>formed slopes to enhance the townscape quality and further greenery<br>enhancement (OM4) | during construction / during                                            | Design Consultant/<br>Contractor | TMEIA                               | Y   | Y                  |      | n/a.<br>To be implemented by<br>HyD/LCSD |
| 10.9          |                |                                                                                                                                                                                                                                   | All areas/detailed design/<br>during construction / during<br>operation | Design Consultant/<br>Contractor | TMEIA                               | Y   | Y                  | Y    | n/a.<br>To be implemented by<br>HyD      |

\* Remarks:

- ✓ Compliance of Mitigation Measures
- <> Compliance of Mitigation but need improvement
- x Non-compliance of Mitigation Measures
- ▲ Non-compliance of Mitigation Measures but rectified by Contractor
- Δ Deficiency of Mitigation Measures but rectified by Contractor
- N/A Not Applicable in Reporting Period

Legend: D=Design, C=Construction, O=Operation

Appendix D

Summary of Action and Limit Levels

| Parameters                 | Action      | Limit |
|----------------------------|-------------|-------|
| 24 Hour TSP Level in μg/m³ | ASR1 = 213  | 260   |
|                            | ASR5 = 238  |       |
|                            | AQMS1 = 213 |       |
|                            | ASR6 = 238  |       |
|                            | ASR10 = 214 |       |
| 1 Hour TSP Level in μg /m³ | ASR1 = 331  | 500   |
| _                          | ASR5 = 340  |       |
|                            | AQMS1 = 335 |       |
|                            | ASR6 = 338  |       |
|                            | ASR10 = 337 |       |

# Table D1Action and Limit Levels for 1-hour and 24-hour TSP

# Table D2Actions in the Event of Landfill Gas being Detectedin Excavation / Confined Area

| Parameter      | Measurement | Action                                         |
|----------------|-------------|------------------------------------------------|
| Oxygen         | < 19%       | - Ventilate to restore oxygen to > 19%         |
|                | < 18%       | - Stop work                                    |
|                |             | - Evacuate personnel / prohibit entry          |
|                |             | - Increase ventilation to restore to > 19%     |
| Methane        | >10% LEL (> | - Prohibit hot work                            |
|                | 0.5% v/v)   | - Ventilate to restore methane to < 10% LEL    |
|                | > 20% LEL   | - Stop work                                    |
|                | (>1% v/v)   | - Evacuate personnel / prohibit entry          |
|                |             | - Increase ventilation to restore to $< 10\%$  |
| Carbon Dioxide | > 0.5%      | - Ventilate to restore oxygen to < $0.5\%$     |
|                | > 1.5%      | - Stop work                                    |
|                |             | - Evacuate personnel / prohibit entry          |
|                |             | - Increase ventilation to restore to $< 0.5\%$ |

Appendix E

# Event Action Plan

# Appendix E1Event/Action Plan for Air Quality

|                       | ACTION                                                          |                                                                                                                                                                                                 |                                       |                                      |  |  |  |
|-----------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|--|--|--|
| EVENT                 | ET <sup>(1)</sup>                                               | IEC <sup>(1)</sup>                                                                                                                                                                              | ER <sup>(1)</sup>                     | Contractor                           |  |  |  |
| Action Level          |                                                                 |                                                                                                                                                                                                 |                                       |                                      |  |  |  |
| 1. Exceedance for one | 1. Identify the source.                                         | 1. Check monitoring data submitted                                                                                                                                                              | 1. Notify Contractor.                 | 1. Rectify any unacceptable practice |  |  |  |
| sample                | 2. Inform the IEC and the ER.                                   | by the ET.                                                                                                                                                                                      |                                       | 2. Amend working methods if          |  |  |  |
|                       | 3. Repeat measurement to confirm finding.                       | <ol><li>Check Contractor's working<br/>method.</li></ol>                                                                                                                                        |                                       | appropriate                          |  |  |  |
|                       | <ol> <li>Increase monitoring frequency to<br/>daily.</li> </ol> |                                                                                                                                                                                                 |                                       |                                      |  |  |  |
| 2. Exceedance for two | 1. Identify the source.                                         | <ol> <li>Check monitoring data<br/>submitted by the ET.</li> <li>Check the Contractor's working<br/>method.</li> <li>Discuss with the ET and the<br/>Contractor on possible remedial</li> </ol> | 1. Confirm receipt of notification of | 1. Submit proposals for remedial     |  |  |  |
| or more consecutive   | 2. Inform the IEC and the ER.                                   |                                                                                                                                                                                                 | failure in writing.                   | actions to IEC within 3 working      |  |  |  |
| samples               | 3. Repeat measurements to confirm                               |                                                                                                                                                                                                 | 2. Notify the Contractor.             | days of notification                 |  |  |  |
|                       | findings.                                                       |                                                                                                                                                                                                 | 3. Ensure remedial measures properly  | 2. Implement the agreed proposals    |  |  |  |
|                       | <ol> <li>Increase monitoring frequency to<br/>daily.</li> </ol> |                                                                                                                                                                                                 | implemented.                          | 3. Amend proposal if appropriate     |  |  |  |
|                       | 5. Discuss with the IEC and the                                 | measures.                                                                                                                                                                                       |                                       |                                      |  |  |  |
|                       | Contractor on remedial actions required.                        | <ol> <li>Advise the ER on the<br/>effectiveness of the proposed<br/>remedial measures.</li> </ol>                                                                                               |                                       |                                      |  |  |  |
|                       | 6. If exceedance continues, arrange                             | 5. Supervise implementation of                                                                                                                                                                  |                                       |                                      |  |  |  |
|                       | meeting with the IEC and the ER.                                | remedial measures.                                                                                                                                                                              |                                       |                                      |  |  |  |
|                       | 7. If exceedance stops, cease additional monitoring.            |                                                                                                                                                                                                 |                                       |                                      |  |  |  |

|                                           | ACTION                                                                                                                          |                                                                                          |                                                                                                                         |                                                                                                      |  |  |  |  |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--|--|--|--|
| EVENT                                     | ET <sup>(1)</sup>                                                                                                               | IEC <sup>(1)</sup>                                                                       | ER <sup>(1)</sup>                                                                                                       | Contractor                                                                                           |  |  |  |  |
| Limit Level                               |                                                                                                                                 |                                                                                          |                                                                                                                         |                                                                                                      |  |  |  |  |
| 1. Exceedance for one                     | 1. Identify the source.                                                                                                         | 1. Check monitoring data submitted                                                       | 1. Confirm receipt of notification of                                                                                   | 1. Take immediate action to avoid                                                                    |  |  |  |  |
| sample                                    | 2. Inform the ER and the DEP.                                                                                                   | by the ET.                                                                               | failure in writing.                                                                                                     | further exceedance                                                                                   |  |  |  |  |
|                                           | <ol><li>Repeat measurement to confirm<br/>finding.</li></ol>                                                                    | 2. Check Contractor's working method.                                                    | <ol> <li>Notify the Contractor.</li> <li>Ensure remedial measures are</li> </ol>                                        | 2. Submit proposals for remedial actions to IEC within 3 working days of notification                |  |  |  |  |
|                                           | <ol> <li>Increase monitoring frequency to<br/>daily.</li> </ol>                                                                 | 3. Discuss with the ET and the<br>Contractor on possible remedial                        | properly implemented.                                                                                                   | 3. Implement the agreed proposals                                                                    |  |  |  |  |
|                                           | 5. Assess effectiveness of Contractor's<br>remedial actions and keep the IEC,<br>the DEP and the ER informed of<br>the results. | measures.<br>4. Advise the ER on the effectiveness<br>of the proposed remedial measures. |                                                                                                                         | 4. Amend proposal if appropriate                                                                     |  |  |  |  |
|                                           |                                                                                                                                 | 5. Supervise implementation of remedial measures.                                        |                                                                                                                         |                                                                                                      |  |  |  |  |
| 2. Exceedance for two or more consecutive | 1. Notify the IEC, the ER, the DEP and the Contractor.                                                                          | 1. Discuss amongst the ER, ET and the Contractor on the potential                        | <ol> <li>Confirm receipt of notification of<br/>failure in writing.</li> </ol>                                          | 1. Take immediate action to avoid<br>further exceedance.                                             |  |  |  |  |
| samples                                   | 2. Identify the source.                                                                                                         | remedial actions.                                                                        | 2. Notify the Contractor.                                                                                               | 2. Submit proposals for remedial                                                                     |  |  |  |  |
|                                           | 3. Repeat measurements to confirm findings.                                                                                     | 2. Review the Contractor's remedial actions whenever                                     | 3. In consultation with the IEC, agree with the Contractor on the                                                       | actions to IEC within 3 working days of notification.                                                |  |  |  |  |
|                                           | 4. Increase monitoring frequency to                                                                                             | necessary to assure their<br>effectiveness and advise the ER                             | remedial measures to be                                                                                                 | 3. Implement the agreed proposals.                                                                   |  |  |  |  |
|                                           | daily.                                                                                                                          | accordingly.                                                                             | implemented.                                                                                                            | 4. Resubmit proposals if problem sti                                                                 |  |  |  |  |
|                                           | 5. Carry out analysis of the                                                                                                    | 3. Supervise the implementation of                                                       | <ol> <li>Ensure remedial measures are<br/>properly implemented.</li> </ol>                                              | not under control.                                                                                   |  |  |  |  |
|                                           | Contractor's working<br>procedures to determine<br>possible mitigation to be<br>implemented.                                    | remedial measures.                                                                       | <ol> <li>If exceedance continues, consider<br/>what activity of the work is<br/>responsible and instruct the</li> </ol> | 5. Stop the relevant activity of works<br>as determined by the ER until the<br>exceedance is abated. |  |  |  |  |
|                                           | <ol> <li>Arrange meeting with the IEC<br/>and the ER to discuss the<br/>remedial actions to be taken.</li> </ol>                |                                                                                          | Contractor to stop that activity of<br>work until the exceedance is<br>abated.                                          |                                                                                                      |  |  |  |  |
|                                           | 7. Assess effectiveness of the<br>Contractor's remedial actions                                                                 |                                                                                          |                                                                                                                         |                                                                                                      |  |  |  |  |

and keep the IEC, the DEP and the ER informed of the results.

8. If the exceedance stops, cease additional monitoring.

Abbreviations: ET - Environmental Team, IEC - Independent Environmental Checker, ER - Engineer's Representative, DEP - Director of Environmental Protection

Appendix F

# EM&A Monitoring Schedule

# HY/2017/10 Tuen Mun - Chek Lap Kok Link - Northern Tunnel Connection Buildings, E&M Works Landfill Gas Monitoring Schedule (1 to 30 April 2019)

| Sundav | Monday                 | Tuesdav                | Wednesdav              | Thursday               | Friday                 | Saturdav               |
|--------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|        |                        |                        |                        |                        | 5/Apr                  | 6/Apr                  |
|        | LFG Monitoring (a.m. & | • •                    | •                      | LFG Monitoring (a.m. & |                        | LFG Monitoring (a.m. & |
|        | p.m.)                  | p.m.)                  | p.m.)                  | p.m.)                  |                        | p.m.)                  |
|        |                        |                        |                        |                        |                        |                        |
| 7/A    | pr <mark>8/Api</mark>  | 9/Apr                  | 10/Apr                 | 11/Apr                 | 12/Apr                 | 13/Apr                 |
|        | LFG Monitoring (a.m. & |                        |                        |                        | LFG Monitoring (a.m. & | LFG Monitoring (a.m. & |
|        | p.m.)                  | p.m.)                  |                        |                        |                        | p.m.)                  |
|        | F                      | F                      |                        | F)                     | F)                     | F)                     |
|        |                        |                        |                        |                        |                        |                        |
| 14/A   |                        |                        |                        | 18/Apr                 | 19/Apr                 | 20/Apr                 |
|        | LFG Monitoring (a.m. & |                        |                        |
|        | p.m.)                  | p.m.)                  | p.m.)                  | p.m.)                  |                        |                        |
|        |                        |                        |                        |                        |                        |                        |
|        |                        |                        |                        |                        |                        |                        |
| 21/A   | pr 22/Api              |                        |                        | 25/Apr                 |                        |                        |
|        |                        | LFG Monitoring (a.m. & |
|        |                        | p.m.)                  | p.m.)                  | p.m.)                  | p.m.)                  | p.m.)                  |
|        |                        |                        |                        |                        |                        |                        |
|        |                        |                        |                        |                        |                        |                        |
|        |                        |                        |                        |                        |                        |                        |
|        | LFG Monitoring (a.m. & | LFG Monitoring (a.m. & |                        |                        |                        |                        |
|        | p.m.)                  | p.m.)                  |                        |                        |                        |                        |
|        |                        |                        |                        |                        |                        |                        |
|        |                        |                        |                        |                        |                        |                        |

Appendix G

Calibration Certificate of Monitoring Equipment



The Safety Company MSA Corporate Center • 1000 Cranberry Woods Drive • Cranberry Township, PA 16066 www.msasafety.com

Telephone: (800) MSA-2222

# ALTAIR5X CERTIFICATE OF CALIBRATION

### Serial Number: 145986

Part Number: A-ALT5X-B-N-K-0-0-B-0-T-0-0-0

1

Factory Calibration Date: 11/26/18

### **Set Points**

|                     | METHANE<br>0-100.00<br>%LEL | O2<br>0-30.00 %VOL  | CO2<br>0-9.99 %VOL             |
|---------------------|-----------------------------|---------------------|--------------------------------|
| ✔ (Low)             | 10.00 %LEL                  | 19.50 %VOL          | 0.50 %VOL                      |
| 🛧 (High)            | 20.00 %LEL                  | 23.00 %VOL          | 1.50 %VOL                      |
| STEL                |                             |                     | 0.50 %VOL                      |
| TWA                 |                             |                     | 1.50 %VOL                      |
| Calibrated<br>Value | Methane 1.457<br>%VOL       | O2 15.00<br>%VOL    | CO2 2.502<br>%VOL              |
| Cylinder<br>Lot #   | 122-<br>401167301-1         | 122-<br>401167301-1 | 141-<br>401019452-<br>1N461052 |

### **Calibration Certification**

All applicable inspections, testing, and calibrations were performed using NIST traceable equipment, where available, in accordance with MSA's ISO 9001 Certified Quality System. Each material, component, and/or instrument must be installed, operated and maintained in strict accordance with its labels, cautions, warnings, instructions, and within the limitations stated in the supplied instruction manual. Routine calibration checks, equipment inspections, and applicable preventative maintenance measures must be performed to verify that the materials, components, and/or instruments are operating properly. Failure to perform these tasks on a routine basis, or suggested intervals, with specified equipment or methods, may result in inaccurate readings.

### **Conformance Statement**

MSA certifies that the materials, components, and/or instruments delivered in this shipment conform to all applicable specifications. The items delivered have been processed through the appropriate approved document controlled procedures for Receiving, Manufacturing and Inspection. The materials, components, and/or instruments were inspected, tested, and calibrated, as applicable, per the associated drawings, standards requirements, and/or specifications, and were deemed acceptable by appropriate authorized personnel.

Process Certified By:

Calibrated By: Ca. Mccandless

HOFFMAN OUALITY ENGINEER

Appendix H

Landfill Gas Monitoring Results and Graphical Presentation

### Landfill Gas Monitoring Results on Methane Level

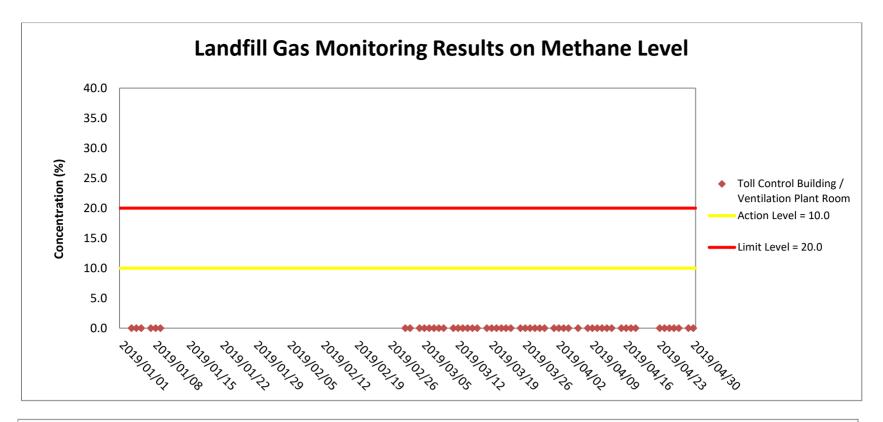
|         | <u> </u>   |                   |                        |                      |             |                  |                 |
|---------|------------|-------------------|------------------------|----------------------|-------------|------------------|-----------------|
| Project | Works      | Date(yyyy-mm-dd)  | Monitoring Location    | Time (hh:mm, 24hour) | Results (%) | Action Level (%) | Limit Level (%) |
| TMCLKL  |            | 2019/04/01        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  |            | 2019/04/01        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  |            | 2019/04/02        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/02        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/03        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/03        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/04        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/04        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/06        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/06        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/08        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/08        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/09        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/09        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/10        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/10        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/11        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/11        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/12        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/12        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/13        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/13        | Ventilation Plant Room | 13:15                | 0           | 40.0             | 20.0            |
| TMCLKL  | HY/2017/10 | 2019/04/15        | Ventilation Plant Room | 8:15                 | 0           | 10.0             | 20.0            |
| TMCLKL  | HY/2017/10 | 2019/04/15        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/16        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/16        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/17        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/17        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/18        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/18        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/23        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/23        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/24        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/24        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/25        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  |            | 2019/04/25        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  |            | 2019/04/26        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  |            | 2019/04/26        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  |            | 2019/04/27        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  |            | 2019/04/27        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  |            | 2019/04/29        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  |            | 2019/04/29        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
| TMCLKL  |            | 2019/04/30        | Ventilation Plant Room | 8:15                 | 0           |                  |                 |
| TMCLKL  |            | 2019/04/30        | Ventilation Plant Room | 13:15                | 0           |                  |                 |
|         |            | · · · · · · · · · |                        | Average              | 0           |                  |                 |
|         |            |                   | +                      | Min.                 | 0           |                  |                 |
|         |            |                   |                        | Max.                 | 0           |                  |                 |

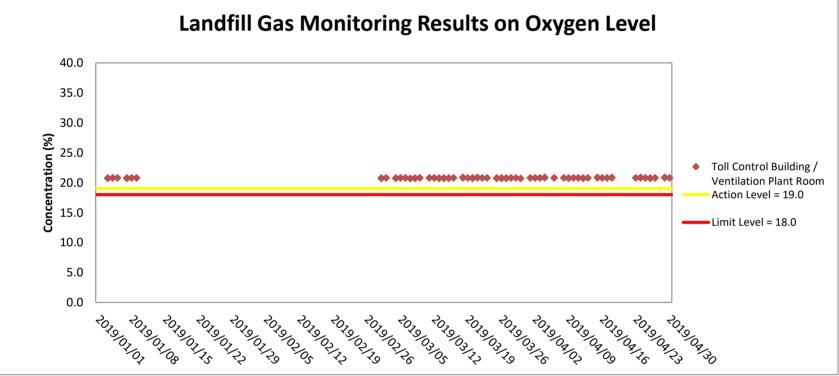
# Landfill Gas Monitoring Results on Oxygen Level

| Dreisst | اسم / ۸/   | Results on Oxygen Level | Ctation .              |                      |             | Action Laws (//) |                 |
|---------|------------|-------------------------|------------------------|----------------------|-------------|------------------|-----------------|
| Project | Works      | Date(yyyy-mm-dd)        | Station                | Time (hh:mm, 24hour) | Results (%) | Action Level (%) | Limit Level (%) |
|         |            | 2019/04/01              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
|         |            | 2019/04/01              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
|         |            | 2019/04/02              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/02              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/03              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/03              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/04              | Ventilation Plant Room | 8:15                 | 20.9        |                  |                 |
| TMCLKL  |            | 2019/04/04              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/06              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/06              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/08              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/08              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/09              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/09              | Ventilation Plant Room | 13:15                | 20.7        |                  |                 |
| TMCLKL  |            | 2019/04/10              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/10              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/11              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/11              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/12              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/12              | Ventilation Plant Room | 13:15                | 20.7        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/13              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/13              | Ventilation Plant Room | 13:15                | 20.8        | 19.0             | 18.0            |
| TMCLKL  | HY/2017/10 | 2019/04/15              | Ventilation Plant Room | 8:15                 | 20.9        | 13.0             | 10.0            |
| TMCLKL  | HY/2017/10 | 2019/04/15              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/16              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/16              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/17              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/17              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/18              | Ventilation Plant Room | 8:15                 | 20.9        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/18              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/23              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/23              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/24              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/24              | Ventilation Plant Room | 13:15                | 20.9        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/25              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/25              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/26              | Ventilation Plant Room | 8:15                 | 20.7        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/26              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/27              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/27              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/29              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  | HY/2017/10 | 2019/04/29              | Ventilation Plant Room | 13:15                | 20.9        |                  |                 |
| TMCLKL  |            | 2019/04/30              | Ventilation Plant Room | 8:15                 | 20.8        |                  |                 |
| TMCLKL  |            | 2019/04/30              | Ventilation Plant Room | 13:15                | 20.8        |                  |                 |
| _       |            |                         |                        | Average              | 20.8        |                  |                 |
|         |            |                         | - F                    | Min.                 | 20.7        |                  |                 |
|         |            |                         | ł                      | Max.                 | 20.9        |                  |                 |

# Landfill Gas Monitoring Results on Carbon Dioxide Level

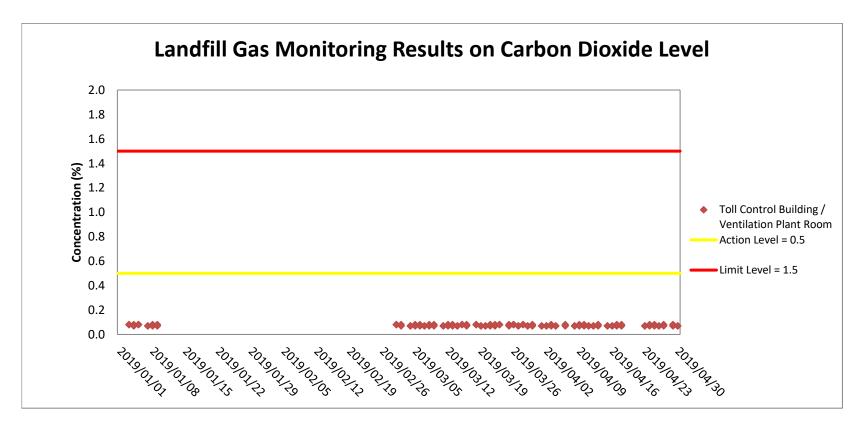
| Project | Works      | Date(yyyy-mm-dd) | Station                | Time (hh:mm, 24hour) | Results (%) | Action Level (%) | Limit Level (%) |
|---------|------------|------------------|------------------------|----------------------|-------------|------------------|-----------------|
| TMCLKL  |            | 2019/04/01       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/01       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/02       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/02       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/03       | Ventilation Plant Room | 8:15                 | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/03       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/04       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/04       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/06       | Ventilation Plant Room | 8:15                 | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/06       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/08       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/08       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/09       | Ventilation Plant Room | 8:15                 | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/09       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/10       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/10       | Ventilation Plant Room | 13:15                | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/11       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/11       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/12       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/12       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/13       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/13       | Ventilation Plant Room | 13:15                | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/15       | Ventilation Plant Room | 8:15                 | 0.07        | 0.5              | 1.5             |
| TMCLKL  |            | 2019/04/15       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/16       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/16       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
|         | HY/2017/10 | 2019/04/17       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/17       | Ventilation Plant Room | 13:15                | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/18       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/18       | Ventilation Plant Room | 13:15                | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/23       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/23       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/24       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/24       | Ventilation Plant Room | 13:15                | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/25       | Ventilation Plant Room | 8:15                 | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/25       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/26       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/26       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/27       | Ventilation Plant Room | 8:15                 | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/27       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/29       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/29       | Ventilation Plant Room | 13:15                | 0.08        |                  |                 |
| TMCLKL  |            | 2019/04/30       | Ventilation Plant Room | 8:15                 | 0.07        |                  |                 |
| TMCLKL  |            | 2019/04/30       | Ventilation Plant Room | 13:15                | 0.07        |                  |                 |
|         |            |                  |                        | Average              | 0.07        |                  |                 |
|         |            |                  | F                      | Min.                 | 0.07        |                  |                 |
|         |            |                  | F                      | Max.                 | 0.08        |                  |                 |





Weather condition within the reporting period was sunny to rainy

Major construction works undertaken within the reporting period include Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Toll Control Building, Electrical and Mechanical Works at Ventilation Plant Room, North Ventilation Room and Tunnel, Building Structure at Administration Building, Maintenance Depot, Fire Services Building and Customs and Execise Building and Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2 and Underpass at C3 area and Excavation and Building Structure at Salletlite Control Building.



Weather condition within the reporting period was sunny to rainy

Major construction works undertaken within the reporting period include Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Toll Control Building, Electrical and Mechanical Works at Ventilation Plant Room, North Ventilation Room and Tunnel, Building Structure at Administration Building, Maintenance Depot, Fire Services Building and Customs and Execise Building and Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2 and Underpass at C3 area and Excavation and Building Structure at Salletlite Control Building.

Appendix I

Monthly Summary of Waste Flow Table

### Contract No. : HY/2017/10 Tuen Mun Chek Lap Kok Link – Northern Connection Tunnel Buildings, Electrical and Mechanical Works Monthly Summary Waste Flow Table for 2019 (Year)

|                |                             | Actual                                    | Quantities of Inert C     | &D Materials Genera         | tion                        |                       | Actual Quantities of C&E | ) wastes Generation | Actu     | al Quantities of R | ecyclables Genera                | ation    |
|----------------|-----------------------------|-------------------------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------|--------------------------|---------------------|----------|--------------------|----------------------------------|----------|
| Month\Material | Total Quantity<br>Generated | Hard Rock and<br>Large Broken<br>Concrete | Reused in the<br>Contract | Reused in other<br>Projects | Disposed as<br>Public Fills | Imported Fill         | Chemical Waste           | General Refuse      | Metals   | Felled trees       | Paper/<br>cardboard<br>packaging | Plastics |
| Unit           | ('000m <sup>3</sup> )       | ('000m <sup>3</sup> )                     | ('000m <sup>3</sup> )     | ('000m <sup>3</sup> )       | ('000m <sup>3</sup> )       | ('000m <sup>3</sup> ) | ('000Kg)                 | ('000Kg)            | ('000Kg) | ('000Kg)           | ('000Kg)                         | ('000Kg) |
| Jan            | 2.089                       | -                                         | 0.150                     | -                           | 1.939                       | -                     | -                        | 74.680              | -        | -                  | 0.042                            | -        |
| Feb            | 2.474                       | 0.008                                     | 0.345                     | -                           | 2.129                       | -                     | -                        | 67.230              | -        | -                  | 0.049                            | -        |
| Mar            | 0.079                       | 0.060                                     | -                         | -                           | 0.079                       | -                     | -                        | 73.690              | -        | -                  | -                                | -        |
| Apr            | 0.013                       | -                                         | -                         | -                           | 0.013                       | -                     | -                        | 56.730              | -        | -                  | -                                | -        |
| Мау            | -                           | -                                         | -                         | -                           | -                           | -                     | -                        | -                   | -        | -                  | -                                | -        |
| Jun            | -                           | -                                         | -                         | -                           | -                           | -                     | -                        | -                   | -        | -                  | -                                | -        |
| SUB-TOTAL      | 4.654                       | 0.068                                     | 0.494                     | 0.000                       | 4.160                       | 0.000                 | 0.000                    | 272.330             | 0.000    | 0.000              | 0.091                            | 0.000    |
| Jul            | -                           | -                                         | -                         | -                           | -                           | -                     | -                        | -                   | -        | -                  | -                                | -        |
| Aug            | -                           | -                                         | -                         | -                           | -                           | -                     | -                        | -                   | -        | -                  | -                                | -        |
| Sep            | -                           | -                                         | -                         | -                           | -                           | -                     | -                        | -                   | -        | -                  | -                                | -        |
| Oct            | -                           | -                                         | -                         | -                           | -                           | -                     | -                        | -                   | -        | -                  |                                  | -        |
| Nov            | -                           | -                                         | -                         | -                           | -                           | -                     | -                        | -                   | -        | -                  | -                                | -        |
| Dec            | -                           | -                                         | -                         | -                           | -                           | -                     | -                        | -                   | -        | -                  | -                                | -        |
| TOTAL          | 4.654                       | 0.068                                     | 0.494                     | 0.000                       | 4.160                       | 0.000                 | 0.000                    | 272.330             | 0.000    | 0.000              | 0.091                            | 0.000    |

#### Notes :

1 - The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

2 - Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

3 - Broken concrete for recycling into aggregates.

4 - Assumed 5 kg per damaged water-filled barrier.

5 - Disposed as Public Fills includes Hard Rock and Large Broken Concrete.

Appendix J

Cumulative Statistics on Exceedances, Complaints, Notifications of Summons and Successful Prosecutions

### Appendix J1 Cumulative Statistics on Exceedances

|           |        | Total No. recorded in this reporting month | Total No. recorded<br>since contract<br>commencement |
|-----------|--------|--------------------------------------------|------------------------------------------------------|
| 1-Hr TSP  | Action | 0                                          | 23                                                   |
|           | Limit  | 0                                          | 2                                                    |
| 24-Hr TSP | Action | 0                                          | 1                                                    |
|           | Limit  | 0                                          | 0                                                    |

## Appendix J2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

| <b>Reporting Period</b>                              | Cumulative Statistics |                  |              |  |  |  |  |
|------------------------------------------------------|-----------------------|------------------|--------------|--|--|--|--|
|                                                      | Complaints            | Notifications of | Successful   |  |  |  |  |
|                                                      |                       | Summons          | Prosecutions |  |  |  |  |
| This Reporting Month<br>(April 2019)                 | 0                     | 0                | 0            |  |  |  |  |
| Total No. received<br>since contract<br>commencement | 0                     | 0                | 0            |  |  |  |  |