



CONTRACT NO: HK/2011/07

WANCHAI DEVELOPMENT PHASE II AND CENTRAL
WANCHAI BYPASS
SAMPLING, FIELD MEASUREMENT AND TESTING WORK
(STAGE 2)

ENVIRONMENTAL PERMIT NO. EP-364/2009/D,
FURTHER ENVIRONMENTAL PERMIT NOS. FEP-01/364/2009,
FEP-02/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-
07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B AND
FEP-11/364/2009/B

MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT

- DECEMBER 2015 -

CLIENTS:

Civil Engineering and Development
Department

and

Highways Department

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14 January 2016

Ref.: AACWBIECEM00_0_7649L.16

14 January 2016

AECOM Asia Company Limited
11/F Tower 2 Grand Central Plaza
138 Shatin Rural Committee Road
Shatin New Territories
Hong Kong

By Post and Fax (2691 2649)

Attention: Mr. Conrad Ng

Dear Mr. Ng,

**Re: Contract No. HK/2011/07
Wan Chai Development Phase II - Central-Wan Chai Bypass
Sampling, Field Measurement and Testing Works (Stage 2)**

**Monthly Environmental Monitoring and Audit Report (December 2015)
for EP-364/2009/D, FEP-01/364/2009, FEP-02/364/2009, FEP-
05/364/2009/A, FEP-06/364/2009/A, FEP-07/364/2009/D, FEP-
09/364/2009/B, FEP-10/364/2009/B & FEP-11/364/2009/B**

Reference is made to the Environmental Team's submission of the captioned Monthly Environmental Monitoring and Audit (EM&A) Report for December 2015 received by e-mail on 14 January 2016 for our review and comment.

Please be informed that we have no adverse comment on the captioned submission. We write to verify the captioned submission in accordance with Condition 3.4 in the captioned Environmental Permits.

Thank you very much for your attention and please do not hesitate to contact the undersigned should you have any queries.

Yours sincerely,



David Yeung
Independent Environmental Checker

c.c.	HyD	Attn: Mr. Bond Chow	by fax: 2714 5289
	CEDD	Attn: Mr. Stephen Lo	by fax: 2577 5040
	Lam	Attn: Mr. Raymond Dai	by fax: 2882 3331
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EXECUTIVE SUMMARY

- i. This is the Environmental Monitoring and Audit (EM&A) Monthly Report – [December 2015](#) specific for Environmental Permit no. EP-364/2009/D, Further Environmental Permit nos. FEP-01/364/2009, FEP-02-364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A FEP-07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B and FEP-11/364/2009/B. The EM&A report is prepared by the Environmental Team (ET) employed under Contract No. HK/2011/07 – Wan Chai Development Phase II and Central Wanchai Bypass – Sampling, Field Measurement and Testing Works (Stage 2). This report presents the environmental monitoring findings and information recorded during the period of [28 November 2015 to 26 December 2015](#).
- ii. In the reporting month, the principal work activities of individual contracts are included as follows:

Contract no. HY/2009/18 - Central - Wan Chai Bypass (CWB) - Central Interchange under FEP-05/364/2009/A

- [Drainage works](#)
- [Road works](#)
- [Bridges construction](#)

Contract no. HK/2009/01 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Hong Kong Convention and Exhibition Centre - Tunnel Works under FEP-02/364/2009

- [Stage 1 & 2 Backfilling works at CWB Tunnel top slab](#)
- [Construction of slip road 2 and slip road 3](#)
- [Stage 3 RC structure for CWB Tunnel Bay 18 to 20](#)
- [Removal of abandoned cooling main \(P7/P9\) at Convention Avenue](#)
- [Reinstatement of outfall was](#)
- [Reinstatement of triangular planter at Fenwick Pier Street](#)
- [Roadworks /drains for Expo Drive East](#)
- [Stage 4 ELS works](#)

Contract no. HK/2009/02 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- [Removal of stockpile of material, site clearance works at Tunnel Portion 1.](#)
- [Construction of road side barriers](#)
- [Backfilling works and access shaft construction](#)
- [Construction of road side barriers](#)
- [Struts installation for layer S6](#)
- [Excavation for layer S6 and formation level](#)
- [Construction of blinding layer](#)
- [Breaking through bulkhead wall BW3](#)
- [Ground investigation works](#)
- [Bored pile construction](#)

- Extraction of the temporary sheet pile seawall and removal of the temporary seawall blocks near the interface between Portion 2 and Portion 5.
- Setting up of silo tanks, pre-treatment works for diaphragm wall construction

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- Construction roadside barrier at Mined Tunnel
- Rock excavation at TPCWAW
- Demolition of bulkhead wall between TPCWAE and TPCWAW
- Construction RC structure at TPCWAW
- Remaining works inside tunnel at TS4 and TPCWAE
- Removal of standby Dewatering System and monitoring instrument along Hung Hing road

Contract no. HY/2009/19 - Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- Pier construction for IEC
- Construction of EVB
- Column modification at F1 to F8
- Bridge E deck construction
- Watson Road laying of new water pipe
- Oil Street drainage works
- Excavation / Construction of retaining wall/Approach Ramp /ADB
- Bridge segment erections
- Pre-bored H-pile for Approach Ramp
- Hing Fat Street modification works
- Bridge TA2 demolition
- Abutment D12 construction

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West under FEP-09/364/2009B

- Diaphragm wall construction
- Grouting
- Construction of MVB
- Pre-bored H-pile construction
- Construction of concrete plug
- Excavation and lateral support installation

Contract no. HY/2010/08 –Central - Wan Chai Bypass (CWB) –Tunnel (Slip Road 8) under FEP-10/364/2009B

- Tree protection works next to existing BGO,
- Drainage improvement works,
- Sheet piling works,
- Excavation and Lateral Support for U-structure,
- Pipe piling & grouting works,



- Utility diversion works,
- Retaining wall works
- ELS works,
- Diaphragm Wall, Barrette construction and king post installation works
- D-wall drill cutting works
- Construction works for subway extension

Contract no. HY/2011/08 –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

- West Ventilation Building Construction
- East Ventilation Shaft Construction
- Tunnel Thermal Barrier Construction

Noise Monitoring

- iii. Noise monitoring during daytime was conducted at M1a - Harbour Road Sports Center; M2b - Noon-day gun area; M3a - Tung Lo Wan Fire Station; M4b - Victoria Center; M5b - City Garden, M6 - HK Baptist Church Henrietta Secondary School, M7e and M7w - International Financial Centre East Podium and International Finance Centre West Podium and M8 - City Hall on weekly basis in the reporting month.
- iv. Four limit level exceedances were recorded at noise monitoring station M1a - Harbour Road Sports Center on 01, 08, 15 and 23 December 2015. The exceedances were concluded as non-project related.
- v. Two limit level exceedances were recorded at noise monitoring station M6 - HK Baptist Church Henrietta Secondary School on 11 and 16 December 2015. The exceedances were concluded as non-project related.
- vi. 24-hour real time noise monitoring was conducted at RTN1 - FEHD Hong Kong Transport Section Whitfield Depot for construction activities at IEC bridge deck. No limit level exceedance was recorded in the reporting month.
- vii. 24-hour real time noise monitoring was conducted at RTN2a - Hong Kong Electric Centre. No project related limit level exceedance was recorded in the reporting month.
- viii. 24-hour real time noise monitoring was conducted at RTN3 - Yu Lee Mo Fan Memorial School. No limit level exceedance was recorded in the reporting month.
- ix. 24-hour real time noise monitoring was conducted at RTN4 - Causeway Bay Community Centre. No project related exceedance was recorded in the reporting month.
- x. Liaison was conducted with HK Baptist Church Henrietta Secondary School and Po Leung Kuk Yu Lee Mo Fan Memorial School regarding the set up of RTN3 real time noise monitoring station. Po Leung Kuk Yu Lee Mo Fan Memorial School grant permission for set up on 4 Sep 2012 and station set up was performed on 14 Sep 2012.
- xi. Real time noise monitoring station at Oil Street Community Liaison Centre (RTN2- Oil Street Community Centre) was relocated from Oil Street Community Liaison Centre to Hong Kong Electric (RTN2a- Electric Centre) on 5 Oct 2012 which is a representative of the noise sensitive receiver City Garden. The baseline noise level of RTN2a will adopt the results derived from the baseline noise monitoring conducted in Electric Centre from 4 December 2009 to 17 December 2009.
- xii. Real-time noise baseline capturing was conducted from 21 Sep 2012 to 04 Oct 2012 at RTN3-Po Leung Kuk Yu Lee Mo Fan Memorial School.
- xiii. Real-time Noise Monitoring at RTN3- Po Leung Kuk Yu Lee Mo Fan Memorial School was commenced since 06 Oct 2012.
- xiv. Causeway Bay Community Centre has granted permission for set up of real time noise monitoring station on 21 Dec 2012 and station set up was performed on 27 Dec 2012. The Baseline noise level of RTN4- Causeway Bay Community Centre will adopt the results from the baseline noise monitoring report for EP/364/2009 in 22 April 2010 in which approved by EPD.
- xv. According to clause 3.1 stated in EP-364/2009/B, "the real-time monitoring system shall be in place no later than two weeks before the commencement date of demolition works of the existing Island Eastern Corridor". IEC demolition associated construction works was commenced on 3 Feb 2013 and Real time noise monitoring at RTN4-Causeway Bay Community Centre was commenced on 13 Jan 2013.



- xvi. Real-time noise monitoring station RTN1-FEHD Whitfield Depot was finely adjusted from 2/F to roof-top at FEHD Whitfield Depot on 24 June 2013 with respect to the commencement of advance works for IEC parapet demolition.
- xvii. With respect to the completion of Victoria Car Park refurbishment, the noise monitoring at M4b-Victoria Center was reverted from 3/F to 2/F since 24 June 2014.

Air Quality Monitoring

- xviii. With respect to the area handover, the air quality monitoring station CMA5a at Children Playgrounds opposite to the Pedestrian Plaza was relocated to the Pedestrian Plaza on 3 December 2014. The station reference and location ID of the air quality monitoring station CMA5a was updated as CMA5b and Pedestrian Plaza respectively.
- xix. Due to extension of site boundary by contractor of HY/2009/19, location of air quality monitoring station CMA1b – Oil Street Community Liaison Centre has been finely adjusted on 21 April 2012.
- xx. The location ID of air quality monitoring station CMA1b was updated as Oil Street Site Office in April 2013.
- xxi. With respect to the removal of Oil Street Site Office, the respective air quality monitoring station CMA1b was finely adjusted on 11 September 2015.
- xxii. 1-hour and 24-hour Total Suspended Particulates (TSP) monitoring were conducted at CMA1b – Oil Street Site Office; CMA2a - Causeway Bay Community Center; CMA3a - CWB PRE Site Office Area; CMA4a – Society for the Prevention of Cruelty to Animals; CMA5b - Pedestrian Plaza; MA1e and MA1w – International Finance Centre eastern and western podium on every six days basis.
- xxiii. Due to interruption of electricity supply, the 24hr TSP monitoring at CMA5b was rescheduled from 02 December 2015 to 03 December 2016.
- xxiv. No action or limit level exceedance for TSP monitoring was recorded in the reporting month.

Complaints, Notifications of Summons and Successful Prosecutions

- xxv. Two environmental complaints were received in the reporting month.
- xxvi. First public complaint regarding construction dust impact referred by EPD was received by ET on 04 December 2015 (EPD Ref: H04/RS/00028924-15). The complainant reported that excessive construction dust was generated from the construction site near Two International Finance Centre at Finance Street, Central

ET confirmed with the Resident Site Staff that bridge works and drains/ sewers construction at the concerned location was undertaken by Contract HY/2009/18 on 12 November 2015. A stockpile which would be reused for backfilling was stored at the concerned location by Contract HY/2009/18 on 12 November 2015.

Mitigation measures implemented by the Contractor for the above construction works including covering of idled portion of stockpile and dampening of the exposed stockpile was implemented for the stockpile at the concerned location.

According to relevant site records confirmed by RSS, bridge works and drains/ sewers construction at the concerned location was undertaken by Contractor of HY/2009/18 on 12 November 2015 and a stockpile which would be reused for backfilling was stored at the concerned location. Mitigation measures including covering of idled portion of stockpile and dampening of the exposed stockpile was implemented for the stockpile at the concerned location.

In view of the public concern on potential dust impact at the concerned location, the Contractor of HY/2009/18 rearranged the works sequence and placed concrete blocks at the bridge retaining wall to allow for early commencement of backfilling on 19 November 2015 to minimize the size of the stockpile at an earlier stage. Additional water sprinklers were installed on 27 November 2015 to further enhance the dampening of the stockpile surface during excavation.

Follow-up inspection was conducted during weekly environmental inspection on 10 December 2015 and mitigation measures including covering of stockpile stored at the concerned location was implemented while it was observed that stockpiles stored near Man Chiu Street was not properly covered. The Contractor of HY/2009/18 was advised to promptly provide covering to all idled stockpile stored on site and the Contractor was reminded to enhance the watering during excavated material handling near the concerned location. Further follow up inspection was conducted on 17 December 2015 and mitigation measures including covering and watering for idle stockpile and material handling were implemented.

- xxvii. Second public complaint regarding noise impact referred by RSS was received by ET on 16 December 2015 (ICC Case Ref.: 2-1656689815 dated 14 December 2015). The complainant reported that incessant noise emanating from the construction site of the Island Eastern Corridor Link that forms part of the Central-Wanchai Bypass Project.

Over the past couple of weeks, there have been loud mechanical pounding at the construction site over the reclaimed area between Blocks 10 and 11 of City Garden. As can be seen, machines have been breaking open the concrete paved on top of the reclaimed area. Work often starts well before 9am on weekdays and, barring a brief period of lull during lunch hours, would often continue unabated until after 5pm. Although I note that certain noise reduction measures have been put into place (e.g. the erection of flimsy noise barriers around the work area), the noise created is still enormous, and this has become a significant nuisance for residents living in nearby blocks of our estate, especially children and the elderly who have to stay at home for longer hours.

ET confirmed with the Resident Site Staff that concreting breaking works was carried out with one breaker on 7, 9, 11, 12 and 14 December 2015 and the breaking works at the concerned location were completed on 14 December 2015 morning. Noise mitigation measures including temporary noise barriers near the point of breaking and covering the breaker with acoustic mat were provided during the concerned concrete breaking works.

According to information confirmed by RSS, concreting breaking works was carried out by one excavator mounted breaker on 7, 9, 11, 12 and 14 December 2015 and the concerned breaking works outside City Garden Block 10 and Block 11 was completed on 14 December 2015 morning. Noise mitigation measures including temporary noise barriers near the point of breaking and covering the breaker with acoustic mat were provided during the concerned concrete breaking works. Based on the further review on the record of the environmental inspection conducted on 09 December 2015, the Contractor of HY/2009/19 was reminded to

temporary noise barrier provided for the pile cap demolition shall follow the Environmental Permit EP-364/2009/D requirement.

Follow up inspection was conducted during weekly environmental inspection on 17 December 2015, the concerned breaking works opposite to City Garden Block 10 and Block 11 was observed completed while the Contractor was reminded that the remaining section of temporary noise barrier in accordance with the latest Environmental Permit EP-364/2009/D shall be completed on site as soon as possible. According to the information provided by RSS, the temporary noise barrier in accordance with the Environmental Permit requirement opposite to City Garden was substantially completed on 21 December 2015. In view of the public concern, the Contractor was suggested to consider to review the works duration at daytime and conduct other future breaking works around the concerned location intermittently to minimize the potential noise nuisance caused to the surroundings.

- xxviii. Referring to the complaint case regarding the illegal disposal of construction waste referred by EPD was received by ET on 17 November 2015, the updated 2nd and 3rd interim investigation report were submitted to the EPD on 17 December 2015 and 31 December 2015 respectively. In response to the complaint concern, additional water quality monitoring and additional site inspections have been conducted by the ET and the investigation findings were included in the interim investigation reports separately submitted to the EPD. In addition, the ET and IEC have conducted checking on the waste disposal records and site construction records with the CWB RSS team to confirm the key construction activities during the concerned period and the quantities of inert C&D material disposed. Upon further review on relevant records and follow up inspections on the implementation of site measures, the final investigation would be issued.

Site Inspections and Audit

- xxix. The Environmental Team (ET) conducted weekly site inspections for Contract no. HY/2009/15, HY/2009/18, HY/2009/19, HY/2010/08, HK/2009/01, HK/2009/02, HK/2012/08 and HY/2011/08 in this reporting period.
- xxx. Construction of bored pile E3B under HY/2009/17 was confirmed completed and the respective work area under FEP-03/364/2009 was handover and inspected under HY/2009/19 from 19 Dec 2012 onwards.
- xxxi. Construction works under HK/2010/06 was confirmed completed and the respective work area under FEP-08/364/2009/A was handover and inspected under HK/2012/08 from 22 Sep 2014 onwards.
- xxxii. The Contractors rectified major observations and recommendations made during the audit sessions. No non-conformance was identified during the site inspections.

Future Key Issues

- xxxiii. In the coming reporting month, the principal work activities of individual contracts are anticipated as follows:

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- Drainage works
- Road works
- Bridges construction

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

- Stage 1 ,2 & 3 Backfilling works at CWB Tunnel top slab
- Stage 2 Construction of slip road 3
- Stage 3 RC structure for CWB Tunnel Bay 18 to 20
- Removal of abandoned cooling main (P7/P9) at Convention Avenue
- Reinstatement of outfall
- Reinstatement of triangular planter at Fenwick Pier Street
- Roadworks /drains for Expo Drive East
- Stage 4 ELS works

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- Completion of road side barriers
- Backfilling works
- Cutting the top part of diaphragm wall
- Strut layer S6 lateral support installation
- Breaking through bulkhead wall BW3
- Pouring blinding layer concrete
- Tunnel construction at west side
- Waterproofing layer application
- Ground investigation works for bored piles and diaphragm wall
- Bored pile construction
- Pre-treatment works and guide wall construction for diaphragm wall
- Diaphragm wall construction
- Extraction of the temporary sheetpile seawall and removal of the temporary seawall blocks near the interface between Portion 2 and Portion 5

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- Remedial works at Mined Tunnel
- Excavation and RC structure works at TPCWAW
- Remaining works inside tunnel at TS4 and TPCWAE
- Removal of standby Dewatering System and monitoring instrument along Hung Hing road

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- Pier construction for IEC
- Construction of EVB
- Column modification at F1 to F8
- Watson Road laying of new water pipe
- Oil Street drainage works
- Excavation / Construction of retaining wall/Approach Ramp/ADB
- Bridge segment erections
- Pre-bored H-pile for Approach Ramp
- Hing Fat Street modification works
- Bridge TA2 demolition
- Abutment D12 construction

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B

- Diaphragm wall construction
- Grouting
- Construction of MVB
- Pre-bored H-pile construction
- Construction of concrete plug
- Excavation and lateral support installation

Contract no. HY/2010/08 –Central - Wan Chai Bypass (CWB) –Tunnel (Slip Road 8) under FEP-10/364/2009

- Tree protection works next to existing BGO,
- Drainage improvement works,
- Sheet piling works,
- Excavation and Lateral Support for U-structure,
- Pipe piling & grouting works,
- Utility diversion works,
- Retaining wall works
- ELS works,
- Diaphragm Wall, Barrette construction and king post installation works
- D-wall drill cutting works
- Construction works for subway extension



Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

- [West Ventilation Building Construction](#)
- [East Ventilation Shaft Construction](#)
- [Tunnel Thermal Barrier Construction](#)

1 INTRODUCTION

1.1 Scope of the Report

1.1.1. Lam Geotechnics Limited (LGL) has been appointed to work as the Environmental Team (ET) under Environmental Permit no. EP-364/2009/C and Further Environmental permit nos. FEP-01/364/2009, FEP-02/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009B and FEP-11/364/2009B to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for Wan Chai Development phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) and in the EM&A Manual of the approved EIA Report for Central-Wan Chai Bypass and Island Eastern Corridor Link (Register No. AEIAR-041/2001).

1.1.2. This report presents the environmental monitoring and auditing work carried out in accordance to the Section 10.3 of EM&A Manual and “*Environmental Monitoring and Audit Requirements*” under Particular Specification Section 27.

1.1.3. This report documents the finding of EM&A works for Environmental Permit (EP) no. EP-364/2009/C, Further Environmental Permit (FEP) nos. FEP-01-364/2009, FEP-02/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B and FEP-11/364/2009/B during the period [28 November 2015 to 26 December 2015](#).

1.2 Structure of the Report

Section 1 ***Introduction*** – details the scope and structure of the report.

Section 2 ***Project Background*** – summarizes background and scope of the project, site description, project organization and contact details of key personnel during the reporting period.

Section 3 ***Status of Regulatory Compliance*** – summarizes the status of valid Environmental Permits / Licenses during the reporting period.

Section 4 ***Monitoring Requirements*** – summarizes all monitoring parameters, monitoring methodology and equipment, monitoring locations, monitoring frequency, criteria and respective event and action plan and monitoring programmes.

Section 5 ***Monitoring Results*** – summarizes the monitoring results obtained in the reporting period.

Section 6 ***Compliance Audit*** – summarizes the auditing of monitoring results, all exceedances environmental parameters.

Section 7 ***Cumulative Construction Impact due to the Concurrent Projects*** –

summarizes the relevant cumulative construction impact due to the concurrent activities of the concurrent Projects.

Section 8 ***Environmental Site Audit*** – summarizes the findings of weekly site inspections undertaken within the reporting period, with a review of any relevant follow-up actions within the reporting period.

Section 9 ***Complaints, Notification of summons and Prosecution*** – summarizes the cumulative statistics on complaints, notification of summons and prosecution

Section 10 ***Conclusion***

2 PROJECT BACKGROUND

2.1 Background

- 2.1.1. “Wan Chai Development phase II and Central-Wan Chai Bypass” and “Central-Wan Chai Bypass and Island Eastern Corridor Link” (hereafter called “the Project”) are Designated Project (DP) under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO). The Environmental Impact Assessment (EIA) Reports for Central-Wan Chai Bypass and Island Eastern Corridor Link (Register No. AEIAR-041/2001) and Wan Chai Development phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) have been approved on 31 August 2001 and 11 December 2008 respectively.
- 2.1.2. The key purpose of Wan Chai Development Phase II (WDII) is to provide land at Wan Chai North and North Point for construction of the Central-Wan Chai Bypass and Island Eastern Corridor Link (CWB). Land formed under the project will be developed as a world-class waterfront promenade joining that at the new Central waterfront for public enjoyment.
- 2.1.3. There is a compelling and present need for the CWB to provide relief to the very congested east-west Connaught Road Central/Harcourt Road / Gloucester Road Corridor (the Corridor) which is currently operating beyond its capacity. The CWB will provide relief to the existing congestion along the Corridor and cater for the anticipated growth of traffic on Hong Kong Island. Without the CWB and its access roads, there will not be sufficient capacity to serve the heavy traffic demands at both strategic and local levels.

2.2 Scope of the Project and Site Description

- 2.2.1. Design and Construction of Central – Wan Chai Bypass and Island Eastern Corridor Link under the Project involves the construction and operation of a trunk road and its road tunnel more than 800m in length between portals that is shown at Figure 2.1.
- 2.2.2. The study area encompasses existing developments from Central to North Point. The scope of the Central-Wanchai Bypass (CWB) and Island Eastern Corridor Link (IECL) includes:
- A dual three-lane trunk road, approximately 4.5 km in length, and tunnel approximately 3.7 km in length defined from the connection with the existing Rumsey Street Flyover in Central, through to a connection with the existing Island Eastern Corridor to the east of the Causeway Bay Typhoon Shelter (CBTS);
 - The Central Interchange near the Rumsey Street Flyover to provide road connections to the Central area;
 - Tunnel control buildings and ventilation buildings;
 - Slip roads to connect the CWB to the local road system in the Wan Chai North and Causeway Bay area;
 - Associated road lighting, road signing, traffic control and surveillance system; and
 - Other associated works.

2.2.3. The project also contains various Schedule 2 DPs that, under the EIAO, require Environmental Permits (EPs) to be granted by the DEP before they may be either constructed or operated. **Table 2.1** summarises the five individual DPs under this Project. **Figure 2.1** shows the locations of these Schedule 2 DPs.

Table 2.1 Schedule 2 Designated Projects under this Project

Item	Designated Project	EIAO Reference	Reason for inclusion
DP1	Central-Wanchai Bypass (CWB) including its road tunnel and slip roads	Schedule 2, Part I, A.1 and A.7	Trunk road and road tunnel more than 800 m in length
DP2	Road P2 and other roads which are classified as primary/district distributor roads	Schedule 2, Part I, A.1	Primary / district distributor roads
DP3	Reclamation works including associated dredging works	Schedule 2, Part I, C.1 and C.12	Reclamation more than 5 ha in size and a dredging operation less than 100 m from a seawater intake point
DP5	Wan Chai East Sewage Outfall	Schedule 2, Part I, F.5 and F.6	Submarine sewage pipelines with a total diameter more than 1,200 mm and include a submarine sewage outfall
DP6	Dredging for the Cross-harbour Water Mains from Wan Chai to Tsim Sha Tsui	Schedule 2, Part I, C.12	A dredging operation less than 100 m from a seawater intake point

2.3 Division of the Project Responsibility

2.3.1. Due to the multi-contract nature of the Project, there are a number of contracts sub-dividing the whole works area into different work areas to be commenced. Contractors of individual contracts will be required by the EP holder to apply Further Environmental Permits such that the impact monitoring stations are sub-divided accordingly to facilitate the implementation of EM&A programme and to streamline the EM&A reporting for individual FEP holders correspondingly.

2.3.2. The details of individual contracts are summarized in **Table 2.2**.

Table 2.2 Details of Individual Contracts under the Project

Contract No.	Contract Title	Associated DP(s)	Construction Commencement Date
HY/2009/17	Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works.	DP1	5 October 2010 (Completed)
HY/2009/18	Central – Wan Chai Bypass (CWB) – Central Interchange	DP1	21 April 2011
04/HY/2006	Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street	DP1	September 2010 (Completed)
HK/2009/01	Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works	DP1, DP2	25 August 2011

Contract No.	Contract Title	Associated DP(s)	Construction Commencement Date
HK/2009/02	Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East(CWB Tunnel)	DP1	26 April 2011
HY/2009/15	Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)	DP1,DP3	13 July 2011
HY/2009/19	Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link	DP1	24 March 2011
HK/2010/06	Wan Chai Development Phase II- Central-Wan Chai Bypass over MTR Tsuen Wan Line	DP3	22 March 2011 (Completed)
HK/2012/08	Wan Chai Development Phase II- Central-Wan Chai Bypass at Wan Chai West	DP1,DP2, DP3	10 March 2014
HY/2010/08	Central- Wanchai Bypass Tunnel – Tunnel (Slip Road 8)	DP1, DP2, DP3	21 March 2013
HY/2011/08	Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning	DP1	8 October 2014

2.4 Project Organization and Contact Personnel

2.4.1. Civil Engineering and Development Department and Highways Department are the overall project controllers for the Wan Chai Development Phase II and Central-Wan Chai Bypass respectively. For the construction phase of the Project, Project Engineer, Contractor(s), Environmental Team and Independent Environmental Checker are appointed to manage and control environmental issues.

2.4.2. The proposed project organization and lines of communication with respect to environmental protection works are shown in **Figure 2.2**. Key personnel and contact particulars are summarized in **Table 2.3**:

Table 2.3 Contact Details of Key Personnel

Party	Role	Post	Name	Contact No.	Contact Fax
AECOM	Engineer's Representative for WDII	Principal Resident Engineer	Mr. Frankie Fan	2587 1778	2587 1877
	Engineer's Representative for CWB	Principal Resident Engineer	Mr. Peter Poon	3922 3388	3912 3010
Chun Wo – Leader Joint Venture	Contractor under Contract no. HK/2009/01	Project Manager	Mr. Simon Liu	2162 9909	2634 1626
		Site Agent	Mr. Andy Yu	9648 4896	
		Construction Manager	Mr. Terry Wong	9757 9846	
		Construction Manager	Mr. Wyman Wong	9627 2467	

Party	Role	Post	Name	Contact No.	Contact Fax
		Construction Manager	Mr. Terry Tsang	6683 9394	
		Environmental Officer	Ms. Wendy Ng	9803 0057	
		Assistant Environmental Engineer	Ms. Connie Chan	6157 7057	
Chun Wo – CRGL Joint Venture	Contractor under Contract no. HK/2009/02	Site Agent	Mr. K.K. Yuen	3658-3002	2827 9996
		Project Manager	Mr. Paul Yu	3658 3085	
		Environmental Officer	Mr. C.P. Ho	9191 8856	
Chun Wo - CRGL - MBEC_Joint Venture	Contractor under Contract no. HY/2009/19	Project Manager	Mr. David Lau	3758 8879	2570 8013
		Deputy Project Manager	Mr. William Luk	9456 9819	
		Deputy Site Agent	Eric Fong	6191 9337	
		Environmental Manager / Environmental Officer	Mr. M.H. Isa	9884 0810	
		Environmental Engineer	Mr. Calvin Leung	9286 9208	
Leighton Contractors (Asia) Limited	Contractor under Contract no. HY/2009/18	Site Agent	Mr. Jimmy Chu	2214 7700	2140 6799
		Deputy Site Agent	Mr. Bob Yeung	2214 7703	
		Environmental Officer	Ms. Lighting Chan	2823 1161	
		Assistant Environmental Engineer	Mr. Christy So	3937 1065	
China State Construction Engineering (HK) Ltd.	Contractor under Contract no. HY/2009/15	Project Director	Mr. Chris Leung	3557 6393	2865 5229
		Site Manager	Mr. Y. Huo	3557 6368	2566 2192
		Contractor's Representative	Mr. Andrew Wong	3557 6371	
		Environmental Officer	Mr. Andy Mak	3557 6215	
		Environmental Supervisor	Mr. Harry Wong	3557 6348	
China State-Leader JV	Contractor under Contract no. HK/2012/08	Project Director	Mr. C.N. Lai	9137 1811	2877 1522
		Project Manager	Mr. Eddie Chung	9193 8871	
		Site Agent	Mr. Keith Tse	9095 7922	
		Environmental Officer	Mr. James MA	9130 9549	



Party	Role	Post	Name	Contact No.	Contact Fax
		Environmental Supervisor	Mr. Y.L. Ho	6050 4919	
China State	Contractor under Contract no.HY/2010/08	Project Director	Cheung Kit Cheung	3557 6399	2566 8061
		Project Manager	Chan Ying Lun	9812 0592	
		Deputy Project Manager	Chris Leung	3467 4299	
		Site Agent	Dr. Dave Chan	3467 4277	
		Environmental Officer	Mr. C.M. Wong	3557 6464	
		Environmental Supervisor	Mr. Louis Lam Tsz Kwan	3557 6470	
Leighton Joint Venture	Contractor under Contract no. HY/2011/08	Project Manager	Paul Evans	2823 1111	21406799
		Site Agent	Colman Wong	9730 0806	
		Environmental Officer	Malcom Leung	3973 0850	
		Environmental Supervisor	Christy So	3973 1065	
Ramboll Environ Hong Kong Limited	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Mr. David Yeung	3465 2888	3465 2899
Lam Geotechnics Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Raymond Dai	2882 3939	2882 3331

2.4.3. In this reporting month, the principal work activities of individual contracts are included as follows:

Contract no. HY/2009/18 - Central - Wan Chai Bypass (CWB) - Central Interchange under FEP-05/364/2009/A

- Drainage works
- Road works
- Bridges construction

Contract no. HK/2009/01 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Hong Kong Convention and Exhibition Centre - Tunnel Works under FEP-02/364/2009

- Stage 1 & 2 Backfilling works at CWB Tunnel top slab
- Construction of slip road 2 and slip road 3
- Stage 3 RC structure for CWB Tunnel Bay 18 to 20
- Removal of abandoned cooling main (P7/P9) at Convention Avenue
- Reinstatement of outfall was
- Reinstatement of triangular planter at Fenwick Pier Street
- Roadworks /drains for Expo Drive East
- Stage 4 ELS works

Contract no. HK/2009/02 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- Removal of stockpile of material, site clearance works at Tunnel Portion 1.
- Construction of road side barriers
- Backfilling works and access shaft construction
- Construction of road side barriers
- Struts installation for layer S6
- Excavation for layer S6 and formation level
- Construction of blinding layer
- Breaking through bulkhead wall BW3
- Ground investigation works
- Bored pile construction
- Extraction of the temporary sheet pile seawall and removal of the temporary seawall blocks near the interface between Portion 2 and Portion 5.
- Setting up of silo tanks, pre-treatment works for diaphragm wall construction

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- Construction roadside barrier at Mined Tunnel
- Rock excavation at TPCWAW
- Demolition of bulkhead wall between TPCWAE and TPCWAW
- Construction RC structure at TPCWAW
- Remaining works inside tunnel at TS4 and TPCWAE
- Removal of standby Dewatering System and monitoring instrument along Hung Hing road

Contract no. HY/2009/19 - Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- Pier construction for IEC
- Construction of EVB
- Column modification at F1 to F8
- Bridge E deck construction
- Watson Road laying of new water pipe
- Oil Street drainage works
- Excavation / Construction of retaining wall/Approach Ramp /ADB
- Bridge segment erections
- Pre-bored H-pile for Approach Ramp
- Hing Fat Street modification works
- Bridge TA2 demolition
- Abutment D12 construction

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West under FEP-09/364/2009B

- Diaphragm wall construction
- Grouting
- Construction of MVB
- Pre-bored H-pile construction
- Construction of concrete plug
- Excavation and lateral support installation

Contract no. HY/2010/08 –Central - Wan Chai Bypass (CWB) –Tunnel (Slip Road 8) under FEP-10/364/2009B

- Tree protection works next to existing BGO,
- Drainage improvement works,
- Sheet piling works,
- Excavation and Lateral Support for U-structure,
- Pipe piling & grouting works,
- Utility diversion works,
- Retaining wall works
- ELS works,
- Diaphragm Wall, Barrette construction and king post installation works
- D-wall drill cutting works
- Construction works for subway extension

Contract no. HY/2011/08 –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

- West Ventilation Building Construction
- East Ventilation Shaft Construction
- Tunnel Thermal Barrier Construction

2.4.4. In coming reporting month, the principal work activities of individual contracts are anticipated as follows:

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- Drainage works
- Road works
- Bridges construction

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

- Stage 1 ,2 & 3 Backfilling works at CWB Tunnel top slab
- Stage 2 Construction of slip road 3
- Stage 3 RC structure for CWB Tunnel Bay 18 to 20
- Removal of abandoned cooling main (P7/P9) at Convention Avenue
- Reinstatement of outfall
- Reinstatement of triangular planter at Fenwick Pier Street
- Roadworks /drains for Expo Drive East
- Stage 4 ELS works

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- Completion of road side barriers
- Backfilling works
- Cutting the top part of diaphragm wall
- Strut layer S6 lateral support installation
- Breaking through bulkhead wall BW3
- Pouring blinding layer concrete
- Tunnel construction at west side
- Waterproofing layer application
- Ground investigation works for bored piles and diaphragm wall
- Bored pile construction
- Pre-treatment works and guide wall construction for diaphragm wall
- Diaphragm wall construction
- Extraction of the temporary sheetpile seawall and removal of the temporary seawall blocks near the interface between Portion 2 and Portion 5

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- Remedial works at Mined Tunnel
- Excavation and RC structure works at TPCWAW
- Remaining works inside tunnel at TS4 and TPCWAE
- Removal of standby Dewatering System and monitoring instrument along Hung Hing road

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- Pier construction for IEC
- Construction of EVB
- Column modification at F1 to F8
- Watson Road laying of new water pipe
- Oil Street drainage works
- Excavation / Construction of retaining wall/Approach Ramp/ADB
- Bridge segment erections
- Pre-bored H-pile for Approach Ramp
- Hing Fat Street modification works
- Bridge TA2 demolition
- Abutment D12 construction

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B

- Diaphragm wall construction
- Grouting
- Construction of MVB
- Pre-bored H-pile construction
- Construction of concrete plug
- Excavation and lateral support installation

Contract no. HY/2010/08 –Central - Wan Chai Bypass (CWB) –Tunnel (Slip Road 8) under FEP-10/364/2009

- Tree protection works next to existing BGO,
- Drainage improvement works,
- Sheet piling works,
- Excavation and Lateral Support for U-structure,
- Pipe piling & grouting works,
- Utility diversion works,
- Retaining wall works
- ELS works,
- Diaphragm Wall, Barrette construction and king post installation works
- D-wall drill cutting works
- Construction works for subway extension

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

- West Ventilation Building Construction
- East Ventilation Shaft Construction
- Tunnel Thermal Barrier Construction

3 STATUS OF REGULATORY COMPLIANCE

3.1 Status of Environmental Licensing and Permitting under the Project

3.1.1. A summary of the current status on licences and/or permits on environmental protection pertinent to the Project is shown in **Table 3.1**.

Table 3.1 Summary of the current status on licences and/or permits on environmental protection pertinent to the Project

Permits and/or Licences	Reference No.	Issued Date	Status
Environmental Permit	EP-356/2009	30 Jul 2009	Valid
Environmental Permit	EP-364/2009	17 Aug 2009	Superseded
Environmental Permit	EP-364/2009/A	4 Aug 2010	Superseded
Environmental Permit	EP-364/2009/B	20 Sep 2012	Superseded
Environmental Permit	EP-364/2009/C	11 Jul 2014	Superseded
Environmental Permit	EP-364/2009/D	24 Nov 2015	Valid
Environmental Permit	EP-376/2009	13 Nov 2010	Valid
Further Environmental Permit	FEP-01/356/2009	18 Feb 2010	Surrendered
Further Environmental Permit	FEP-02/356/2009	24 Mar 2010	Valid
Further Environmental Permit	FEP-03/356/2009	24 Mar 2010	Valid
Further Environmental Permit	FEP-04/356/2009	15 Nov 2010	Valid
Further Environmental Permit	FEP-05/356/2009	24 Mar 2011	Surrendered
Further Environmental Permit	FEP-06/356/2009	5 March 2013	Valid
Further Environmental Permit	FEP-07/356/2009	26 July 2013	Valid
Further Environmental Permit	FEP-01/364/2009	24 Mar 2010	Valid
Further Environmental Permit	FEP-02/364/2009	21 Apr 2010	Valid
Further Environmental Permit	FEP-03/364/2009	12 July 2010	Surrendered
Further Environmental Permit	FEP-04/364/2009/A	14 Oct 2010	Surrendered
Further Environmental Permit	FEP-05/364/2009/A	15 Nov 2010	Valid
Further Environmental Permit	FEP-06/364/2009/A	22 Nov 2010	Valid
Further Environmental Permit	FEP-07/364/2009/A	25 Feb 2011	Superseded
Further Environmental Permit	FEP-07/364/2009/D	24 Nov 2015	Valid
Further Environmental Permit	FEP-08/364/2009/A	15 June 2012	Surrendered

Further Environmental Permit	FEP-09/364/2009/B	5 March 2013	Valid
Further Environmental Permit	FEP-10/364/2009/B	26 July 2013	Valid
Further Environmental Permit	FEP-11/364/2009/B	2 May 2014	Valid

- 3.1.2. Due to the multi-contract nature of the Project, the status of permits and/or licences under the individual contract(s) are presented as below:

Contract no. HY/2009/17 – Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

- 3.1.3. The construction works was completed and the FEP-03/364/2009 was surrendered by the Contractor on 28 March 2013.

Contract no. 04/HY/2006 – Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street under FEP-04/364/2009/A

- 3.1.4. The construction works was completed, and the FEP-04/HY/2006 was surrendered by the Contractor on 11 February 2011.

Contract no. HK/2010/06 - Wan Chai Development Phase II - Central - Wan Chai Bypass over MTR Tsuen Wan Line under FEP-08/364/2009/A

- 3.1.5. The construction works was completed, and the FEP-08/364/2009/A was surrendered by the Contractor on 3 October 2014.

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

- 3.1.6. Summary of the current status on licences and/or permits on environmental protection pertinent and submission under FEP-02/364/2009 for contract no. HK/2009/01 are shown in **Table 3.2** and **Table 3.3**.

Table 3.2 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/01

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-02/356/2009	24 Mar 2010	N/A	Valid
	FEP-02/364/2009	21 Apr 2010	N/A	Valid
Notification of Works Under APCO	313088	06 Jan 2010	N/A	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS0706-15	30 Jun 2015	02 Jul 2015 to 01 Jan 2016	Valid
	GW-RS0803-15	28 Jul 2015	21 Aug 2015 to 20 Feb 2016	Valid
	GW-RS0804-15	28 Jul 2015	22 Aug 2015 to 21 Feb 2016	Valid
	GW-RS0868-15	13 Aug 2015	14 Aug 2015 to 13 Feb 2016	Valid
	GW-RS1025-15	22 Sep 2015	24 Sep 2015 to 23 Mar 2016	Valid
	GW-RS1031-15	22 Sep 2015	29 Sep 2015 to 24 Mar 2016	Cancelled
	GW-RS1134-15	23 Oct 2015	08 Nov 2015 to 07 May 2016	Valid
	GW-RS1135-15	23 Oct 2015	26 Nov 2015 to 25 May 2016	Valid
	GW-RS1228-15	13 Nov 2015	16 Nov 2015 to 13 May 2016	Valid
	GW-RS1309-15	27 Nov 2015	30 Nov 2015 to 26 May 2016	Valid
Discharge Licence	WT00009641-2011	24 Jul 2011	31 Jul 2016	Valid
	WT00021138-2015	17 Mar 2014	31 Mar 2020	Valid

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Billing account under Waste Disposal Ordinance	7010069	21 Jan 2010	N/A	Valid
Registration as a Chemical Waste Producer	WPN5213-134-C3585-01	21 Jan 2010	N/A	Valid
Dumping Permit (Type 1 – Open Sea Disposal)	EP_MD_16-018	02 Jun 2015	13 Oct 2015 to 12 Apr 2016	Valid

Table 3.3 Summary of submission status under FEP-02/364/2009

EP Condition	Submission	Date of Submission
Condition 2.7 & 2.8	Works Schedule and Location Plan	18 May 2011
Condition 2.6	Environmental Management Organization Chart	18 May 2011
Condition 1.12	Commencement Date of Works	20 Jun 2011
Condition 2.9	Noise Management Plan	10 Jun 2011
Condition 2.11	Landscape Plan (Rev.4)	8 July 2015

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- 3.1.7. Summary of the current status on licences and/or permits on environmental protection pertinent and submission under FEP-01/364/2009 for contract no. HK/2009/02 are shown in **Table 3.4** and **Table 3.5**.

Table 3.4 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/02

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-03/356/2009	24 Mar 2010	N/A	Valid
	FEP-01/364/2009	24 Mar 2010	N/A	Valid
Notification of Works Under APCO	313962	2 Feb 2010	N/A	Valid
Construction Noise Permit (CNP) for non-pilling equipment	GW-RS0723-15	2 Jul 2015	7 July 2015 to 06 Jan 2016	Cancelled
	GW-RS0831-15	31 Jul 2015	03 Aug 2015 to 28 Jan 2016	Cancelled
	GW-RS0610-15	10 Jun 2015	22 Jun 2015 to 21 Dec 2015	Expired
	GW-RS0637-15	11 Jun 2015	18 Jun 2015 to 08 Dec 2015	Expired
	GW-RS0709-15	30 Jun 2015	02 July 2015 to 01 Jan 2016	Valid
	GW-RS0716-15	30 Jun 2015	04 July 2015 to 27 Dec 2015	Expired
	GW-RS0981-15	07 Sep 2015	09 Sep 2015 to 06 Mar 2016	Cancelled
	GW-RS1004-15	15 Sep 2015	17 Sep 2015 to 16 Dec 2015	Expired
	GW-RS1006-15	15 Sep 2015	18 Sep 2015 to 14 Mar 2016	Valid
	GW-RS1099-15	08 Oct 2015	08 Oct 2015 to 30 Nov 2015	Expired
	GW-RS1121-15	20 Oct 2015	22 Oct 2015 to 18 Apr 2016	Cancelled
	GW-RS1150-15	26 Oct 2015	28 Oct 2015 to 27 Apr 2016	Valid
	GW-RS1187-15	28 Oct 2015	30 Oct 2015 to 27 Apr 2016	Valid

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS1413-15	24 Dec 2015	02 Jan 2016 to 01 Jul 2016	Valid
Water Discharge License	WT00008982-2011	26 April 2011	30 April 2016	Valid
	WT00009691-2011	01 Aug 2011	31 July 2016	Valid
	WT00022295-2015	12 Aug 2015	31 July 2020	Valid
Billing Account under Waste Disposal Ordinance (Land)	7010255	10 Feb 2010	N/A	Valid
Registration as Chemical Waste Producer (Wan Chai)	WPN5213-135-C3593-01	10 Mar 2010	N/A	Valid
Registration as Chemical Waste Producer (TKO 137)	WPN5213-839-C3593-02	22 Sep 2010	N/A	Valid
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/16-034	26 Jun 2015	01 Jul 2015 to 31 Dec 2015	Valid
	EP/MD/16-146	24 Dec 2015	01 Jan 2016 to 30 Jun 2016	Valid

Table 3.5 Summary of submission status under FEP-01/364/2009

EP Condition	Submission	Date of Submission
Condition 2.7 and 2.8	Works Schedule and Location Plan	14 Jun 2011
Condition 2.6	Environmental Management Organization Chart	14 Jun 2011
Condition 1.12	Commencement Date of Works	21 Jun 2011
Condition 2.11	Landscape Plan (Revision B)	20 Nov 2012
Condition 2.9	Noise Management Plan (Revision B)	13 Jan 2012

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 3.1.8. Summary of the current status on licences and/or permits on environmental protection pertinent and submission under FEP-05/364/2009A for contract no. HY/2009/18 are shown in **Table 3.6** and **Table 3.7**.

Table 3.6 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/18

Permit / Licence / Notification / Approval	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-05/364/2009/A	15 Nov 2010	Permit issued	Valid
Notification of Works Under APCO	322293	07 Oct 2010	Notified	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS0719-15	3 July 2015	06 Jul 2015 to 31 Dec 2015	Valid
	GW-RS0830-15	29 July 2014	30 Jul 2015 to 29 Jan 2016	Valid
	GW-RS1206-15	06 Nov 2015	12 Nov 2015 to 31 Mar 2016	Valid
	GW-RS1383-15	14 Dec 2015	19 Dec 2015 to 27 Mar 2016	Valid
	GW-RS1415-15	24 Dec 2015	01 Jan 2016 to 30 Jun 2016	Valid
Discharge Licenses	WT00012998-2012	25 May 2012	31 Jan 2016	Cancelled
	WT00013967-2012	17 Sep 2012	30 Sep 2017	Cancelled
	WT00014966-2013	08 Jan 2013	31 Jan 2018	Cancelled
	WT00020398-2014	21 Nov 2014	31 Jan 2016	Valid
	WT00020725-2015	14 Jan 2015	30 Jul 2017	Valid
Registration as a Chemical Waste Producer	WPN: 8335-121-L1048-04	17 Dec 2010	N/A	Registration completed
Billing Account under Waste Disposal Ordinance (Land)	Account No.: 7011587	11 Oct 2010	Account approved	Valid

Table 3.7 Summary of submission status under FEP-05/364/2009/A

EP Condition	Submission	Date of Submission
Condition 2.9	Noise Management Plan	01 March 2011
Condition 2.10	Landscape Plan (Rev. 6)	19 May 2014

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

3.1.9. Summary of the current status on licences and/or permits on environmental protection pertinent and submission under FEP-06/364/2009/A for contract no. HY/2009/15 are shown in **Table 3.8** and **Table 3.9**.

Table 3.8 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/15

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-06/364/2009/A	22 Nov 2010	N/A	Valid
	FEP-04/356/2009	22 Nov 2010	N/A	Valid
Notification of Works Under APCO	321822	24 Sep 2010	N/A	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS0679-15	29 Jun 2015	01 Jul 2015 to 31 Dec 2015	Valid
	GW-RS893-15	17 Aug 2015	17 Aug 2015 to 16 Feb 2016	Valid
	GW-RS0990-15	10 Sep 2015	10 Sep 2015 to 09 Mar 2016	Valid
	GW-RS1160-15	26 Oct 2015	28 Oct 2015 to 25 Apr 2016	Valid
	GW-RS1303-15	26 Nov 2015	26 Nov 2015 to 25 May 2016	Valid
Registration as a Chemical Waste Producer	WPN: 5213-147-C1169-35	15 Nov 2010	N/A	Valid
Billing Account under Waste Disposal Ordinance	7011553	30 Sep 2010	27 Sep 2010 to 27 Jan 2016	Valid
Billing Account under Waste Disposal Ordinance (Disposal by Vessel)	7011761	26 Jun 2015	17 Oct 2015 to 17 Jan 2016	Valid
Water Discharge License (TS1)	WT00008780-2011	24 Nov 2011	24 Nov 2011 to 31 Mar 2016	Valid
Water Discharge License (Discharge at CHT area)	WT00019250-2014	6 Jun 2014	06 Jun 2014 to 31 May 2016	Valid
Water Discharge License (Discharge at TPCWAE)	WT00018167-2014	17 Jan 2014	17 Jan 2014 to 31 Dec 2015	Valid
Water Discharge License (Discharge at TS4)	WT00018542-2014	17 Mar 2014	17 Mar 2014 to 31 Jan 2016	Cancelled



Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Water Discharge Licence (Discharge at TPCWAW)	WT00020601-2014	18 Mar 2015	18 Mar 2015 to 31 Mar 2017	Valid

Table 3.9 Summary of submission status under FEP-06/364/2009/A

EP Condition	Submission	Date of Submission
Condition 2.6	Management Organization of Main Construction Companies	11 Mar 2011
	Amendment for Management Organization of Main Construction Companies	16 May 2011
Condition 2.7	Works Schedule	15 Mar 2011
Condition 2.8	Location Plan	15 Mar 2011
Condition 2.9	Noise Management Plan	6 May 2011
Condition 2.10	Landscape Plan (Rev.3)	30 Jan 2015

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

3.1.10. The current status on licences and/or permits on environmental protection pertinent and submission under FEP-07/364/2009/D for contract no. HY/2009/19 are shown in **Table 3.10** and **Table 3.11**.

Table 3.10 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/19

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-07/364/2009/A	25 Feb 2011	N/A	Superseded
	FEP-07/364/2009/D	24 Nov 2015	N/A	Valid
Notification of Works Under APCO	326160	24 Jan 2011	N/A	Valid
Registration as a Waste Producer	7012306	10 Feb 2011	N/A	Valid
Registration as Chemical Waste Producer	5213-151-C3654-01	24 Mar 2011	N/A	Valid
Application for Vessel Disposal	7012306	21 July 2011	N/A	Valid
Construction Noise Permits (CNP) for non-piling equipment	GW-RS0741-15	10 Jul 2015	23 Jul 2015 to 22 Jan 2016	Cancelled
	GW-RS0671-15	18 Jun 2015	20 Jun 2015 to 17 Dec 2015	Expired
	GW-RS0869-15	13 Aug 2015	15 Aug 2015 to 12 Feb 2016	Valid
	GW-RS0909-15	21 Aug 2015	21 Aug 2015 to 20 Feb 2016	Valid
	GW-RS1036-15	22 Sep 2015	24 Sep 2015 to 23 Mar 2016	Cancelled
	GW-RS1189-15	06 Nov 2015	09 Nov 2015 to 08 Dec 2015	Expired
	GW-RS1324-15	01 Dec 2015	08 Dec 2015 to 07 Jun 2016	Valid
	GW-RS1398-15	17-Jun-15	18 Dec 2015 to 17 Jun 2016	Valid
Water Discharge License	WT00010093-2011	17 Aug 2012	30 Sep 2016	Valid
	WT00010865-2011	03 Nov 2011	30 Nov 2016	Cancelled

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Dumping Permit (Approach Ramp) (Type 1 – Open Sea Disposal)	EP/MD/16-092	20 Nov 2015	15 May 2016	Valid
Dumping Permit (Approach Ramp) (Type 2 – Confined Marine Disposal)	EP/MD/16-093	20 Nov 2015	19 Dec 2015	Expired

Table 3.11 Summary of submission status under FEP-07/364/2009/D

EP Condition	Submission	Date of Submission
Condition 2.13	Landscape Plan (Rev.3)	19 August 2014
Condition 2.9	Noise Management Plan (Rev.4)	2 Feb 2015

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West

3.1.11 The current status on licences and/or permits on environmental protection pertinent and submission under FEP-09/364/2009/B for contract no. HK/2012/08 showed in **Table 3.12 and Table 3.13**.

Table 3.12 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2012/08

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-09/364/2009/B	5 March 2013	N/A	Valid
	FEP-06/356/2009	5 March 2013	N/A	Valid
Notification of Works Under APCO	355439	4 Feb 2013	N/A	Valid
Registration as a Chemical Waste Producer	5213-134-C3790-01	8 Mar 2013	N/A	Valid
Billing Account under Waste Disposal Ordinance	7016883	18 Feb 2013	18 Jul 2017	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS0838-15	31 Jul 2015	03 Aug 2015 to 02 Feb 2016	Valid
	GW-RS0976-15	7 Sep 2015	23 Sep 2015 to 22 Mar 2016	Valid

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Water Discharge Licence	WT00018223-2014	28 Jan 2014	31 Jan 2019	Cancelled
	WT00020594-2014	22 Dec 2014	31 Jan 2019	Valid

Table 3.13 Summary of submission status under FEP-09/364/2009/B

EP Condition	Submission	Date of Submission
Condition 2.9	Noise Management Plan (Rev.2)	9 July 2013
Condition 2.14	Landscape Plan (Rev.4)	24 August 2015

Contract no. HY/2010/08 –Central – Wanchai Bypass Tunnel – Tunnel (Slip Road 8)

3.1.12 The current status on licences and/or permits on environmental protection pertinent and submission under FEP-10/364/2009/B for contract no. HK/2012/08 showed in **Table 3.14 and Table 3.15**.

Table 3.14 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2010/08

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-10/364/2009/B	26 Jul 2013	NA	Valid
	FEP-07/356/2009	26 Jul 2013	NA	Valid
Notification of Works Under APCO	357176	2013-04-02	NIL	Valid
Registration as a Chemical Waste Producer	WPN5213-147-C1169-44	2013-03-27	NIL	Valid
Billing Account under Waste Disposal Ordinance	7017170	2013-03-27	NIL	Valid
Water Discharge License	WT0001651-2013	2013-07-09	2018-07-28	Cancelled
	WT00020468-2014	2014-12-03	2018-07-31	Valid
Construction Noise Permit (CNP) for non-pilling works	GW-RS0620-15	11 Jun 2015	11 Jun 2015 to 10 Dec 2015	Cancelled
	GW-RS0811-15	24 Jul 2015	29 Jul 2015 to 28 Jan 2016	Cancelled
	GW-RS0972-15	08 Sep 2015	09 Sep 2015 to 08 Mar 2016	Valid

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS0765-15	13 Jul 2015	13 July 2015 to 12 Jan 2016	Valid
	GW-RS0920-15	26 Aug 2015	28 Aug 2015 to 24 Feb 2016	Valid
	GW-RS0938-15	26 Aug 2015	28 Aug 2015 to 24 Feb 2016	Cancelled
	GW-RS1039-15	23 Sep 2015	23 Sep 2015 to 21 Mar 2016	Cancelled
	GW-RS1061-15	30 Sep 2015	02 Oct 2015 to 31 Mar 2016	Cancelled
	GW-RS1063-15	30 Sep 2015	02 Oct 2015 to 31 Mar 2016	Cancelled
	GW-RS1137-15	22 Oct 2015	22 Oct 2015 to 21 Apr 2016	Valid
	GW-RS1141-15	20 Oct 2015	22 Oct 2015 to 21 Apr 2016	Valid
	GW-RS1145-15	20 Oct 2015	22 Oct 2015 to 21 Apr 2016	Valid
	GW-RS1262-15	17 Nov 2015	18 Nov 2015 to 16 May 2016	Valid
	GW-RS1282-15	25 Nov 2015	25 Nov 2015 to 24 May 2016	Valid

Table 3.15 Summary of submission status under FEP-10/364/2009/B

EP Condition	Submission	Date of Submission
Condition 2.9	Noise Management Plan (Rev.3)	03 January 2014
Condition 2.14	Landscape Plan (Rev.2)	19 May 2014
Condition 2.16	Additional Mitigation Plan (Rev.2)	18 February 2015

Contract no. HY/2011/08 –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009/B

3.1.13 The current status on licenses and/or permits on environmental protection pertinent and submission under FEP-11/364/2009/B for contract no. HY/2011/08 showed in **Table 3.16 and Table 3.17**.

Table 3.16 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2011/08

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-11/364/2009/B	2 May 2014	N/A	Valid
Notification of Works Under APCO	LCAC-EN-LE-00017	7 Mar 2014	N/A	Valid
Registration as a Chemical Waste Producer	5213-121-L2837-01	21 May 2014	N/A	Valid
	5213-151-L2837-02	09 Oct 2015	N/A	Registered
	5213-134-L2898-01	16 Nov 2015	N/A	Registered
Billing Account under Waste Disposal Ordinance	7019640	27 Mar 2014	N/A	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS-0678-15	19 June 2015	26 Jun 2015 to 25 Dec 2015	Expired
	GW-RS0738-15	06 July 2015	07 July 2015 to 31 Dec 2015	Valid
	GW-RS0758-15	07 July 2015	08 July 2015 to 31 Dec 2015	Valid
	GW-RS0856-15	10 Aug 2015	27 Aug 2015 to 26 Feb 2016	Valid
	GW-RS1235-15	12 Nov 2015	18 Nov 2015 to 30 Apr 2016	Valid
	GW-RS1423-15	24 Dec 2015	26 Dec 2015 to 31 May 2016	Valid
	GW-RS1426-15	29 Dec 2015	01 Jan 2016 to 30 Jun 2016	Valid
	GW-RS1433-15	29 Dec 2015	01 Jan 2016 to 30 Jun 2016	Valid
Water Discharge Licence	WT00020242-2014	04 Nov 2014	30 Nov 2019	Valid
	WT00020246-2015	15 Jul 2015	31 Jul 2019	Valid



Table 3.17 Summary of submission status under FEP-11/364/2009/B

EP Condition	Submission	Date of Submission
Condition 2.9	Noise Management Plan (Rev.2)	27 Jan 2015
Condition 2.14	Landscape Plan (Rev.2)	18 Feb 2015
Condition 2.13	Operational Air Quality Management Plan for West Ventilation Building (Rev.0)	25 Nov 2014
Condition 2.13	Operational Air Quality Management Plan for East Ventilation Building and East Vent Shaft (Rev.0)	18 Feb 2015

4 MONITORING REQUIREMENTS

4.1 Noise Monitoring

NOISE MONITORING STATIONS

- 4.1.1. The noise monitoring stations for the Project are listed and shown in **Table 4.1** and **Figure 4.1**. **Appendix 4.1** shows the established Action/Limit Levels for the monitoring works.

Table 4.1 Noise Monitoring Stations

Station	Description
M1a	Harbour Road Sports Centre
M2b	Noon-day Gun Area
M3a	Tung Lo Wan Fire Station
M4b	Victoria Centre
M5b	City Garden
M6	HK Baptist Church Henrietta Secondary School
*M7e	International Finance Centre (Eastern End of Podium)
M7w	International Finance Centre (Western End of Podium)
*M8	City Hall

* Remark 1: Location ID has been updated from M7 to M8 for City Hall

* Remark 2: M7e has become a reference station starting from 7 Aug 2012

REAL TIME NOISE MONITORING STATIONS

- 4.1.2. The noise monitoring stations for the Project are listed and shown in **Table 4.2** and **Figure 4.1**. **Appendix 4.1** shows the established Action/Limit Levels for the monitoring works.

Table 4.2 Real Time Noise Monitoring Stations

District	Station	Description
Tin Hau	RTN1	FEHD Hong Kong Transport Section Whitfield Depot
North Point	RTN2a	Electric Centre
North Point	RTN3	Po Leung Kuk Yu Lee Mo Fan Memorial School
Tin Hau	RTN4	Causeway Bay Community Centre

NOISE MONITORING PARAMETERS, FREQUENCY AND DURATION

- 4.1.3. The construction noise level shall be measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). L_{eq} (30 minutes) shall be used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays. For all other time periods, L_{eq} (5 minutes) shall be employed for comparison with the Noise Control Ordinance (NCO) criteria. Supplementary information for data auditing, statistical results such as L_{10} and L_{90} shall also be obtained for reference.
- 4.1.4. Noise monitoring shall be carried out at all the designated monitoring stations. The monitoring frequency shall depend on the scale of the construction activities. The following is an initial guide on the regular monitoring frequency for each station on a weekly basis when noise generating activities are underway:
- One set of measurements between 0700 and 1900 hours on normal weekdays.
- 4.1.5. Real time noise shall be carried out at the designated monitoring stations. The following is an initial guide on the regular monitoring frequency for each station on a 24 - hours basis when noise generating activities are underway:
- One set of measurements between 0700 and 1900 hours on normal weekdays.
 - One set of measurements between 1900 and 2300 hours on normal weekdays and 0700 and 2300 hours on public holidays.
 - One set of measurements between 2300 and 0700 hours on next day on everyday.
- 4.1.6. If construction works are extended to include works during the hours of 1900 – 0700 as well as public holidays and Sundays, additional weekly impact monitoring shall be carried out during respective restricted hours periods. Applicable permits under NCO shall be obtained by the Contractor.

MONITORING EQUIPMENT

- 4.1.7. As referred to in the Technical Memorandum TM issued under the NCO, sound level meters in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration level from before and after the noise measurement agree to within 1.0 dB.
- 4.1.8. Noise measurements shall not be made in fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.
- 4.1.9. The sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency before deployment to the site and during each site visit. Measurements will be accepted as valid only if the calibration level from before and after the noise measurement agree to within 1.0 dB.

4.2 Air Quality Monitoring

AIR QUALITY MONITORING STATIONS

- 4.2.1. The air quality monitoring stations for the Project are listed and shown in **Table 4.3** and **Figure 4.1**. **Appendix 4.1** shows the established Action/Limit Levels for the monitoring works.

Table 4.3 Air Quality Monitoring Stations

Station ID	Monitoring Location	Description
CMA1b	Oil Street Site Office**	North Point (Re-commenced on 14 November 2011)
CMA2a	Causeway Bay Community Centre	Causeway Bay
CMA3a	CWB PRE Site Office *	Causeway Bay
CMA4a	Society for the Prevention of Cruelty to Animals	Wan Chai
CMA5b	Pedestrian Plaza***	Wan Chai
MA1e	International Finance Centre (Eastern End of Podium)	Central
MA1w	International Finance Centre (Western End of Podium)	Central

Remarks*: As per the ENPC meeting in March 2011, the monitoring stations CMA3a – Future CWB site office at Wanchai Waterfront Promenade was renamed as remark.

Remarks**: The location ID of monitoring station CMA1b was updated as “Oil Street Site Office” in April 2013.

Remarks***: The station ID and monitoring location was updated in December 2014 with respect to monitoring station relocation.

AIR QUALITY MONITORING PARAMETERS, FREQUENCY AND DURATION

- 4.2.2. One-hour and 24-hour TSP levels should be measured to indicate the impacts of construction dust on air quality. The 24-hour TSP levels shall be measured by following the standard high volume sampling method as set out in the Title 40 of the Code of Federal Regulations, Chapter 1 (Part 50), Appendix B.
- 4.2.3. All relevant data including temperature, pressure, weather conditions, elapsed-time meter reading for the start and stop of the sampler, identification and weight of the filter paper, and any other local atmospheric factors affecting or affected by site conditions, etc., shall be recorded down in detail.
- 4.2.4. For regular impact monitoring, the sampling frequency of at least once in every six days, shall be strictly observed at all the monitoring stations for 24-hour TSP monitoring. For 1-hour TSP monitoring, the sampling frequency of at least three times in every six days should be undertaken when the highest dust impact occurs.

SAMPLING PROCEDURE AND MONITORING EQUIPMENT

4.2.5. High volume samplers (HVSs) in compliance with the following specifications shall be used for carrying out the 1-hour and 24-hour TSP monitoring:

- 0.6 – 1.7 m³ per minute adjustable flow range;
- Equipped with a timing / control device with +/- 5 minutes accuracy for 24 hours operation;
- Installed with elapsed-time meter with +/- 2 minutes accuracy for 24 hours operation;
- Capable of providing a minimum exposed area of 406 cm²;
- Flow control accuracy: +/- 2.5% deviation over 24-hour sampling period;
- Equipped with a shelter to protect the filter and sampler;
- Incorporated with an electronic mass flow rate controller or other equivalent devices;
- Equipped with a flow recorder for continuous monitoring;
- Provided with a peaked roof inlet;
- Incorporated with a manometer;
- Able to hold and seal the filter paper to the sampler housing at horizontal position;
- Easily changeable filter; and
- Capable of operating continuously for a 24-hour period.

4.2.6. Initial calibration of dust monitoring equipment shall be conducted upon installation and thereafter at bi-monthly intervals. The transfer standard shall be traceable to the internationally recognized primary standard and be calibrated annually. The concern parties such as IEC shall properly document the calibration data for future reference. All the data should be converted into standard temperature and pressure condition.

LABORATORY MEASUREMENT / ANALYSIS

4.2.7. A clean laboratory with constant temperature and humidity control, and equipped with necessary measuring and conditioning instruments to handle the dust samples collected, shall be available for sample analysis, and equipment calibration and maintenance. The laboratory should be HOKLAS accredited.

4.2.8. Filter paper of size 8" x 10" shall be labelled before sampling. It shall be a clean filter paper with no pinholes, and shall be conditioned in a humidity-controlled chamber for over 24 hours and be pre-weighed before use for the sampling.

4.2.9. After sampling, the filter paper loaded with dust shall be kept in a clean and tightly sealed plastic bag. The filter paper shall then be returned to the laboratory for reconditioning in the humidity controlled chamber followed by accurate weighing by an electronic balance with readout down to 0.1 mg. The balance shall be regularly calibrated against a traceable standard.

4.2.10. All the collected samples shall be kept in a good condition for 6 months before disposal.

4.2.11. Current calibration certificates of equipments are presented in **Appendix 4.2.**

5.0 MONITORING RESULTS

5.0.1. The environmental monitoring will be implemented based on the division of works areas of each designated project managed under different contracts with separate FEP applied by individual contractors. Overall layout showing work areas of various contracts, latest status of work commencement and monitoring stations is shown in **Figure 2.1** and **Figure 4.1**. The monitoring results are presented in according to the Individual Contract(s).

5.0.2. In the reporting month, the concurrent contracts are as follows:

- Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)
- Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange
- Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link
- Contract no. HY/2010/08 – Central- Wanchai Bypass Tunnel (Slip Road 8 Section)
- Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre
- Contract no. HK/2009/02 - Wan Chai Development Phase II – Central - Wan Chai Bypass at Wan Chai East
- Contract no. HK/2012/08 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai West
- Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB)– Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

5.0.3. The environment monitoring schedules for reporting month and coming month are presented in **Appendix 5.1**.

5.1 Noise Monitoring Results

- 5.1.1 Monitoring for report of review baseline noise level was performed from 11 April 2011 to 8 June 2011. Then the report was submitted on the 20 June 2011, verified by IEC on 18 July 2011 and was approved by ER by January 2012. The new baseline is used for the noise calculation starting from January 2012.

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 5.1.2 Noise monitoring for the Central Interchange works under contract no. HY/2009/18 was commenced on 22 April 2011. The proposed division of noise monitoring stations for Contract no. HY/2009/18 are summarized in **Table 5.1** below:

Table 5.1 Noise Monitoring Stations for Contract no. HY/2009/18

Station	Description
*M7e	International Finance Centre (Eastern End of Podium)
M7w	International Finance Centre (Western End of Podium)
M8	City Hall

* Remark: M7e has become a reference station starting from 7 Aug 2012

- 5.1.3 No action or limit level exceedance was recorded in this reporting month.
- 5.1.4 Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**.

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009 and Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- 5.1.5 The commencement of construction works for Contract no. HK/2009/01 under FEP-02/364/2009 is on 25 August 2011 and HK/2009/02 under FEP-01/364/2009 is on 26 April 2011. The proposed division of noise monitoring stations are summarized in **Table 5.2** below.

Table 5.2 Noise Monitoring Station for Contract no HK/2009/01 and HK/2009/02

Station	Description
M1a	Harbour Road Sports Centre

- 5.1.6 Four limit level exceedances were recorded at M1a- Harbour Road Sports Centre on 01, 08, 15 and 23 December 2015 in this reporting month.

5.1.7 Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring on 01, 08, 15 and 23 December 2015. As such, the exceedance was considered as non-Project related.

5.1.8 Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**.

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

5.1.9 The commencement of construction works for Contract no. HY/2009/15 under FEP-06/364/2009/A was on 13 July 2011. Noise monitoring was commenced on 13 July 2011. The proposed divisions of noise monitoring stations are summarized in **Table 5.3** below.

Table 5.3 Noise Monitoring Stations for Contract no. HY/2009/15

Station	Description
M2b	Noon Gun Area
M3a	Tung Lo Wan Fire Station

5.1.10 No action or limit level exceedance was recorded in this reporting month.

5.1.11 Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

5.1.12 Noise monitoring for the tunnel works under contract no. HY/2009/19 was commenced on 24 April 2011. The proposed division of noise monitoring stations are summarized in **Table 5.4** below.

Table 5.4 Noise Monitoring Stations for Contract no. HY/2009/19

Station	Description
M4b	Victoria Centre
M5b	City Garden
M6	HK Baptist Church Henrietta Secondary School

5.1.13 Two limit level exceedances were recorded at monitoring station M6 - HK Baptist Church Henrietta Secondary School on 11 and 16 December 2015 in this reporting month.

5.1.14 Major traffic noise observed during monitoring was considered as the major noise contribution. As such, the limit level exceedances were concluded as non-project related.

- 5.1.15 Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**. Details of the Notification of Exceedance can be referred in **Appendix 6.2**.

Contract no. HY/2010/08 – Central-Wanchai Bypass –Wanchai Bypass Tunnel (Slip Road 8 Section) under FEP-09/364/2009/B

- 5.1.16 The commencement of construction works for Contract no. HY/2010/08 under FEP-10/364/2009/B was on 02 September 2013. Noise monitoring was commenced on 02 September 2013. The proposed divisions of noise monitoring stations are summarized in **Table 5.5** below.

Table 5.5 Noise Monitoring Stations for Contract no. HY/2010/08

Station	Description
M3a	Tung Lo Wan Fire Station

- 5.1.17 No action or limit level exceedance was recorded in this reporting month.
- 5.1.18 Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**.

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

- 5.1.19 Noise monitoring for the Central Interchange works under contract no. HY/2009/18 was commenced on 22 April 2011. The proposed division of noise monitoring stations for Contract no. HY/2011/08 are summarized in **Table 5.6** below:

Table 5.6 Noise Monitoring Stations for Contract no. HY/2011/08

Station	Description
M4b	Victoria Centre
*M7e	International Finance Centre (Eastern End of Podium)
M7w	International Finance Centre (Western End of Podium)
M8	City Hall

* Remark: M7e has become a reference station starting from 7 Aug 2012

- 5.1.20 No action or limit level exceedance was recorded in this reporting month.
- 5.1.21 Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**.

5.2 Real Time Noise Monitoring Results

- 5.2.1. As confirmed by CWB RSS, the IECL parapet removal operations and associated construction work was commenced in June 2013. Liaison was conducted with HK Baptist Church Henrietta Secondary School, Po Leung Kuk Yu Lee Mo Fan Memorial School and Causeway Bay Community Centre regarding the set up of RTN3 real time noise monitoring station.
- 5.2.2. Causeway Bay Community Centre has granted permission for set up on 21 Dec 2012 and station set up was performed on 27 Dec 2012. The baseline noise level of RTN4- Causeway Bay Community Centre has adopted the results from the baseline noise monitoring report for EP/364/2009 in 22 April 2010 in which approved by EPD.
- 5.2.3. Real time noise monitoring at RTN4-Causeway Bay Community Centre was commenced on 13 Jan 2013.
- 5.2.4. Po Leung Kuk Yu Lee Mo Fan Memorial School granted permission for set up on 4 Sep 2012 and station set up was performed on 14 Sep 2012. Real time noise baseline capturing was conducted during time period without construction work from 21 Sep 2012 to 04 Oct 2012.
- 5.2.5. Real time noise monitoring at RTN3 – Po Leung Kuk Yu Lee Mo Fan Memorial School was commenced since 06 Oct 2012.
- 5.2.6. Oil Street Community Liaison Centre was confirmed to be demolished in mid-October by CWB RSS. This presented a need for relocation of RTN2 – Oil Street Community Liaison Centre. After liaison with Hong Kong Electric, permission was granted on 21 Sep 2012 for real time noise monitoring set up at City Garden Electric Centre (RTN2a – Electric Centre), which is a representative of the noise sensitive receiver City Garden.
- 5.2.7. RTN2 previously located at oil Street Community Liaison Centre was relocated to Hong Kong Electric Centre on 5 Oct 2012, which is a representative of the noise sensitive receiver City Garden. The baseline noise level of RTN2a will adopt the results derived from the baseline noise monitoring conducted at Electric Centre from 4 December 2009 to 17 December 2009.
- 5.2.8. Real-time noise monitoring station RTN1-FEHD Whitfield Depot was finely adjusted from 2/F to roof-top at FEHD Whitfield Depot on 24 June 2013 with respect to the commencement of advance works for IEC parapet demolition.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 5.2.9. The proposed division of noise monitoring stations are summarized in **Table 5.7** below. Real time noise monitoring for major construction works under contract no. HY/2009/19 was commenced on 24 April 2011.

Table 5.7 Real Time Noise Monitoring Stations for Contract no. HY/2009/19

Location ID	District	Description
RTN1	Tin Hau	FEHD Hong Kong Transport Section Whitfield Depot
RTN2a	North Point	Electric Centre
RTN3	North Point	Po Leung Kuk Yu Lee Mo Fan Memorial School
RTN4	Tin Hau	Causeway Bay Community Centre

** Real time noise monitoring results and graphical presentation during restrict hours and night time period are for information only and noise during CNP period shall be controlled under NCO.*

- 5.2.10. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting month.
- 5.2.11. Limit level exceedance was recorded at RTN2a-Electric Centre on 15 December 2015 during daytime in the reporting month. On 15 December 2015, concreting was undertaken by Contract HY/2009/19 while steel bar cutting works by saw cutter for Hong Kong Electric Centre was conducted at the roof top by non-CWB Contractor immediately next to the noise monitoring station and was considered as major noise contribution. As such, the exceedance was considered as non-Project related.
- 5.2.12. No limit level exceedances were recorded at RTN3-Yue Lee Mo Fan Memorial School during in the reporting month.
- 5.2.13. Limit level exceedances were recorded at RTN4-Causeway Bay Community Centre during daytime on 02 December 2015 in the reporting month. On 02 December 2015, only steel mould dismantling works was undertaken by Contract HY/2009/19 during monitoring while scaffold dismantling and manual handling of material was observed undertaken by non-CWB Contractor at Causeway Bay Community Centre in close proximity to the monitoring station and was considered as the major noise contribution. As such, the exceedances were considered as non-Project related.
- 5.2.14. Real time noise monitoring results measured in this reporting period are reviewed and summarized. Details of real time noise monitoring results and graphical presentation can be referred to **Appendix 5.4.**

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

- 5.2.15. The proposed division of noise monitoring stations are summarized in **Table 5.8** below. Real time noise monitoring for major construction works under contract no. HY/2011/08 was commenced on 19 March 2015.

Table 5.8 Real Time Noise Monitoring Stations for Contract no. HY/2011/08

Location ID	District	Description
RTN1	Tin Hau	FEHD Hong Kong Transport Section Whitfield Depot

** Real time noise monitoring results and graphical presentation during restrict hours and night time period are for information only and noise during CNP period shall be controlled under NCO.*

- 5.2.16. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting month.

5.3 Air Quality Monitoring Results

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 5.3.1 Air quality monitoring for the Central Interchange works under contract no. HY/2009/18 was commenced on 21 April 2011. The proposed division of air quality monitoring stations are summarized in **Table 5.9** below.

Table 5.9 Air Quality Monitoring Stations for Contract no. HY/2009/18

Station	Description
MA1e	International Finance Centre (Eastern End of Podium)
MA1w	International Finance Centre (Western End of Podium)

- 5.3.2 No exceedance was recorded in the reporting month.
- 5.3.3 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

- 5.3.4 The commencement of construction works for Contract no. HK/2009/01 under FEP-02/364/2009 is on 25 August 2011. Air quality monitoring was commenced on 25 August 2011. The proposed division of air quality monitoring stations are summarized in **Table 5.10** below.

Table 5.10 Air Quality Monitoring Station for Contract no. HK/2009/01

Station	Description
CMA5b	Pedestrian Plaza

- 5.3.5 No exceedance was recorded in the reporting month.
- 5.3.6 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- 5.3.7 The commencement of construction works for HK/2009/02 under FEP-01/364/2009 is on 26 April 2011. The proposed division of air quality monitoring stations are summarized in **Table 5.11** below.

Table 5.11 Air Quality Monitoring Station for Contract no. HK/2009/02

Station	Description
CMA4a	Society for the Prevention of Cruelty to Animals

- 5.3.8 No exceedance was recorded in the reporting month.
- 5.3.9 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- 5.3.10 The commencement of construction works for Contract no. HY/2009/15 under FEP-06/364/2009/A was on 13 July 2011. Air quality monitoring was commenced on 14 July 2011. The proposed division of air quality monitoring stations are summarized in **Table 5.12** below.

Table 5.12 Air Quality Monitoring Station for Contract no. HY/2009/15

Station	Description
CMA3a	CWB PRE Site Office

- 5.3.11 No exceedance was recorded in the reporting month.
- 5.3.12 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 5.3.13 The proposed division of air quality monitoring stations are summarized in **Table 5.13** below. Air quality monitoring for the tunnel works under contract no. HY/2009/19 was commenced on 26 April 2011.

Table 5.13 Air Quality Monitoring Stations for Contract no. HY/2009/19

Station	Description
CMA1b	Oil Street Site Office
CMA2a	Causeway Bay Community Centre

- 5.3.14 No exceedance was recorded in the reporting month.
- 5.3.15 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HK/2012/08- Wan Chai Development Phase II – Central-Wan Chai Bypass at Wan Chai West

- 5.3.16 The commencement of construction works for Contract no. HK/2012/08 under FEP-09/364/2009/C was on May 2014. Air quality monitoring was commenced on 25 August 2011. The proposed division of air quality monitoring stations are summarized in **Table 5.14** below.

Table 5.14 Air Quality Monitoring Station for Contract no. HK/2012/08

Station	Description
CMA5b	Pedestrian Plaza

- 5.3.17 No exceedance was recorded in the reporting month.
- 5.3.18 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HY/2010/08 – Central-Wanchai Bypass –Wanchai Bypass Tunnel (Slip Road 8 Section) under FEP-09/364/2009/B

- 5.3.19 The commencement of construction works for Contract no. HY/2010/08 under FEP-09/364/2009/B was on July 2014. Air quality monitoring was commenced on 14 July 2011. The proposed division of air quality monitoring stations are summarized in **Table 5.15** below.

Table 5.15 Air Quality Monitoring Station for Contract no. HY/2010/08

Station	Description
CMA3a	CWB PRE Site Office

- 5.3.20 No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

- 5.3.21 Air quality monitoring for the Central Interchange works under contract no. HY/2011/08 was commenced on 21 April 2011. The proposed division of air quality monitoring stations are summarized in **Table 5.16** below.

Table 5.16 Air Quality Monitoring Stations for Contract no. HY/2011/08

Station	Description
MA1e	International Finance Centre (Eastern End of Podium)
MA1w	International Finance Centre (Western End of Podium)
CMA1b	Oil Street Site Office
CMA2a	Causeway Bay Community Centre

- 5.3.22 No exceedance was recorded in the reporting month.
- 5.3.23 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3**.

5.4 Waste Monitoring Results

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

- 5.4.1. Inert C&D wastes and non-inert C&D wastes were disposed in this reporting month. Details of the waste flow table are summarized in **Table 5.17**.

Table 5.17 Details of Waste Disposal for Contract no. HK/2009/01

Waste Type	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	Nil	106130.58	TKO137, TM38
Inert C&D materials recycled, m ³	6472.5	97630.03	N/A
Non-inert C&D materials disposed, m ³	34.05	3728.2	SENT Landfill
Non-inert C&D materials recycled, kg	42950	1065766	N/A
Chemical waste disposed, kg	20	10400	N/A
Marine Sediment (Type 1 – Open Sea Disposal), m ³	Nil	10375	South of Cheung Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal), m ³	Nil	16261	East of Cha Chau South Brothers

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- 5.4.2. Inert C&D & non-inert C&D wastes were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.18**.

Table 5.18 Details of Waste Disposal for Contract no. HK/2009/02

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	4	456338.412	TKO137 / TM 38
Inert C&D materials recycled, m ³	Nil	46520	N/A
Non-inert C&D materials disposed, m ³	83	2253.317	SENT Landfill
Non-inert C&D materials recycled, m ³	Nil	N/A	N/A
Chemical waste disposed, kg	Nil	18253	SENT Landfill
Marine Sediment (Type 1 – Open Sea Disposal) , m ³	Nil	27889	South Cheung Chau

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 5.4.3. Inert C&D and non-inert C&D waste was disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.19**.

Table 5.19 Details of Waste Disposal for Contract no. HY/2009/18

Waste Type	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	2291.41	167085.381	T.K.O. 137, TM 38
Inert C&D materials recycled, m ³	Nil	58787.05	N/A
Non-inert C&D materials disposed, m ³	55.91	3780.316	SENT Landfill
Non-inert C&D materials recycled, ton	2.16	878.37	N/A
Chemical waste disposed, kg	Nil	4440	N/A

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- 5.4.4. Inert & Non-inert C&D wastes were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.20**.

Table 5.20 Details of Waste Disposal for Contract no. HY/2009/15

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	13568 33.4	618555.47 251284.7	Tuen Mun Area 38 TKO137 FB
Inert C&D materials recycled, m ³	Nil	358660.77	HY/2009/11 ex-PCWA TS4 /TS2 WDII Lun Ku Tan WENT
Non-inert C&D materials disposed, m ³	171.3	3585.13	SENT Landfill
Non-inert C&D materials recycled, m ³	Nil	5496446.2	Xun Xiang Metalware Skylight Recycle (paper)
Chemical waste disposed, kg	Nil	22755	Dunwell Group
Marine Sediment (Type1-Open Sea Disposal (Dedicate Sites) &Type 2 – Confined Marine Disposal), m ³	Nil	5684	South of the Brothers

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 5.4.5. Inert and Non-inert C&D wastes were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.21**.

Table 5.21 Details of Waste Disposal for Contract no. HY/2009/19

Waste Type*	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	1570.56	631820.51	N/A
Inert C&D materials recycled, m ³	Nil	81822.39	N/A
Non-inert C&D materials disposed, m ³	102.07	4138.62	SENT Landfill
Non-inert C&D materials recycled, m ³	15.22	482.63	N/A
Chemical waste disposed, kg	Nil	9.69	N/A
Marine Sediment (Tunnel) (Type-1 Open Sea Disposal), m ³	Nil	20556	South of Cheung Chau
Marine Sediment (Tunnel) (Type 1- Open Sea Disposal (Dedicated Sites) & Type 2 – Confined Marine Disposal), m ³	Nil	30751	East of Sha Chau

Contract no. HK/2012/08 Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B

- 5.4.6. No inert and Non-inert C&D wastes were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.22**.

Table 5.22 Details of Waste Disposal for Contract no. HK/2012/08

Waste Type*	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	8694	114114	TKO 137
Inert C&D materials recycled, m ³	581	36107	N/A
Non-inert C&D materials disposed, m ³	85	940	SENT
Non-inert C&D materials recycled, m ³	Nil	Nil	N/A
Chemical waste disposed, kg	Nil	Nil	N/A
Marine sediment (Type 1) disposal, m ³	Nil	3145	South of Cheung Chau / East of Sha Chau / South of The Brothers

Contract no. HY/2010/08 Central – Wan Chai Bypass (CWB) – Tunnel (Slip Road 8) under FEP-10/364/2009/B

- 5.4.7. No inert and Non-inert C&D wastes were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.23**.

Table 5.23 Details of Waste Disposal for Contract no. HY/2010/08

Waste Type*	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	21,511 21	396,504 410	TM 38 TKO 137
Inert C&D materials recycled, m ³	Nil	Nil	N/A
Non-inert C&D materials disposed, m ³	73	1355	SENT
Non-inert C&D materials recycled, m ³	Nil	Nil	N/A
Chemical waste disposed, kg	Nil	979	N/A

Remarks: The cumulative quantity for inert C&D materials disposed and the inert C&D material recycled under Contract HY/2010/08 subject to further clarified upon RSS confirmation.

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

- 5.4.8. No inert and Non-inert C&D wastes were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.24**.

Table 5.24 Details of Waste Disposal for Contract no. HY/2011/08

Waste Type*	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	75.6	331.87	CWPF & TKO137
Inert C&D materials recycled, m ³	Nil	Nil	N/A
Non-inert C&D materials disposed, m ³	52.51	488.84	SENT
Non-inert C&D materials recycled, ton	Nil	31.72	N/A
Chemical waste disposed, kg	Nil	3800	N/A

6.0 COMPLIANCE AUDIT

- 6.0.1. The Event Action Plan for construction noise, air qualities are presented in **Appendix 6.1**.

6.1 Noise Monitoring

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 6.1.1. No exceedance was recorded in the reporting month.

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention Exhibition Centre – Tunnel Works under FEP-02/364/2009

- 6.1.2. Four limit level exceedances were recorded at M1a- Harbour Road Sports Centre on 01, 08, 15 and 23 December 2015 in this reporting month.

- 6.1.3. Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring on 01, 08, 15 and 23 December 2015. As such, the exceedance was considered as non-Project related.

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- 6.1.4. Four limit level exceedances were recorded at M1a- Harbour Road Sports Centre on 01, 08, 15 and 23 December 2015 in this reporting month.

- 6.1.5. Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring on 01, 08, 15 and 23 December 2015. As such, the exceedance was considered as non-Project related.

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- 6.1.6. No exceedance was recorded in the reporting month.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 6.1.7. Two limit level exceedances were recorded at M6 – HK Baptist Church Henrietta Secondary School on 11 and 16 December 2015.

- 6.1.8. Investigations found that on 11 and 16 December 2015, traffic noise were major contribution in the noise monitoring and exceedances were not related to the Project.



Contract no. HY/2010/08 – Central-Wanchai Bypass – Tunnel (Slip Road 8 Section) under FEP-10/364/2009/B

6.1.9. No exceedance was recorded in the reporting month.

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

6.1.10. No exceedance was recorded in the reporting month.

Real Time Noise Monitoring

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 6.1.11. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting month.
- 6.1.12. Limit level exceedance was recorded at RTN2a-Electric Centre on 15 December 2015 during daytime in the reporting month. On 15 December 2015, concreting was undertaken by Contract HY/2009/19 while steel bar cutting works by saw cutter for Hong Kong Electric Centre was conducted at the roof top by non-CWB Contractor immediately next to the noise monitoring station and was considered as major noise contribution. As such, the exceedance was considered as non-Project related.
- 6.1.13. No limit level exceedances were recorded at RTN3-Yue Lee Mo Fan Memorial School during in the reporting month.
- 6.1.14. Limit level exceedances were recorded at RTN4-Causeway Bay Community Centre during daytime on 02 December 2015 in the reporting month. On 02 December 2015, only steel mould dismantling works was undertaken by Contract HY/2009/19 during monitoring while scaffold dismantling and manual handling of material was observed undertaken by non-CWB Contractor at Causeway Bay Community Centre in close proximity to the monitoring station and was considered as the major noise contribution. As such, the exceedances were considered as non-Project related.

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

- 6.1.15. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting month.

6.2 Air Quality Monitoring

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 6.2.1. No exceedance was recorded in the reporting month.

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

- 6.2.2. No exceedance was recorded in the reporting month.

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- 6.2.3. No exceedance was recorded in the reporting month.

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) FEP-06/364/2009/A

- 6.2.4. No exceedance was recorded in the reporting month.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 6.2.5. No exceedance was recorded in the reporting month.

Contract no. HK/2012/08 Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B

- 6.2.6. No exceedance was recorded in the reporting month.

Contract no. HY/2010/08 – Central-Wanchai Bypass – Tunnel (Slip Road 8 Section) under FEP-10/364/2009/B

- 6.2.7. No exceedance was recorded in the reporting month.

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

- 6.2.1 No exceedance was recorded in the reporting month.

6.3 Review of the Reasons for and the Implications of Non-compliance

- 6.3.1. There was no non-compliance from the site audits and monitoring in the reporting period. The observations and recommendations made in each individual site audit session were presented in Section 8.

6.4 Summary of action taken in the event of and follow-up on non-compliance

- 6.4.1 There was no particular action taken since no non-compliance was recorded from the site audits and monitoring in the reporting period.

7.0 CUMULATIVE CONSTRUCTION IMPACT DUE TO THE CONCURRENT PROJECTS

- 7.0.1. According to Condition 3.4 of the EP-364/2009/C, this section addresses the relevant cumulative construction impact due to the concurrent activities of the current projects including the Central Reclamation Phase III (CRIII), Wan Chai Development Phase II (WDII), Central-WanChai Bypass (CWB), Island Eastern Corridor Link projects (IECL) and Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel).
- 7.0.2. According to the Final EM&A Report of Central Reclamation Phase III (CRIII) for Contract HK 12/02, the major construction activities were completed by end of January 2014 and no construction activities were undertaken thereafter and the water quality monitoring was completed in October 2011. As such, it is considered that there were no cumulative construction impact due to the concurrent activities of the current projects with the Central Reclamation Phase III (CRIII) undertaken by contractor HK12/02 in the reporting month.
- 7.0.3. According to the construction programme of Central-Wanchai Bypass at Wanchai West at the Central Reclamation Phase III area include caisson seawall installation, ELS works, road works and drainage works and Road P1 pedestrian road reinstatement were performed in December 2015 reporting month. As no project related exceedance were recorded during the reporting period, cumulative construction impact due to the concurrent activities of the current projects with the Central Reclamation Phase III (CRIII) was considered as insignificant.
- 7.0.4. According to the construction programme of Wan Chai Development Phase II, Central-Wan Chai Bypass and Island Eastern Corridor Link projects, the major construction activities under Wan Chai Development Phase II were tunnel works, ELS works and road works at Wan Chai East and caisson installation, D-wall construction and ELS works at Wan Chai West. The major construction activities under Central-Wan Chai Bypass and Island Eastern Corridor Link Projects were bridge construction and road works at Central Interchange, ELS works at Ex-PCWAW, ELS works and retaining wall construction at Victoria Park; D- wall construction, ELS works and tunnel works at TS3; IEC removal works and tunnel works at North Point area in the reporting month. In addition, other non-Wan Chai Development Phase II, Central-Wan Chai Bypass and Island Eastern Corridor Link projects was observed undertaken at Wan Chai North area.
- 7.0.5. No significant air quality impact from construction activities was anticipated in the reporting month. Besides, no project related exceedance was recorded during the air quality and noise environmental monitoring events in the reporting month. Thus, it is evaluated that the cumulative construction impact from the concurrent projects including Central Reclamation Phase III (CRIII), Wan Chai Development Phase II (WDII), Central-WanChai Bypass (CWB), Island Eastern Corridor Link projects (IECL) was insignificant.

8.0 ENVIRONMENTAL SITE AUDIT

8.0.1. During this reporting month, weekly environmental site audits were conducted for Contracts no. HY/2009/15, HY/2009/18, HY/2009/19, HK/2012/08, HK/2009/01, HK/2009/02, HY/2010/08 and HY/2011/08. No non-conformance was identified during the site audits. The Contractors rectified major observations and recommendations made during the audit sessions. No non-conformance was identified during the site inspections.

8.0.2. Four site inspections for Contract no. HY/2009/15 was carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.1**.

Table 8.1 Summary of Environmental Inspections for Contract no. HY/2009/15

Item	Date	Observations	Action taken by Contractor	Completion date
151209_1	9-Dec-2015	Review the conditioning and coagulant dosage applied to ensure no turbid discharge (EX-PCWAW)	No further turbid discharge was observed	Completed as observed on 15 December 2015
151215_1	15-Dec-2015	Discharge point of washing sink shall be connected to waste water treatment plant (EX-PCWA East)	Discharge point of washing sink has been connected to collection pit (EX-PCWA East)	Completed as observed on 22 December 2015

8.0.3. Five site inspections for Contract no. HY/2009/18 was carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.2**.

Table 8.2 Summary of Environmental Inspections for Contract no. HY/2009/18

Item	Date	Observations	Action taken by Contractor	Completion date
151210_2	10-Dec-15	Idle stockpile shall be covered properly to prevent dust emission (Man Chiu Street)	Covering and watering has been provided to stockpile	Completion as observed on 17 Dec 2015

- 8.0.4. Four site inspections for Contract no. HY/2009/19 was carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.3**.

Table 8.3 Summary of Environmental Inspections for Contract no. HY/2009/19

Item	Date	Observations	Action taken by Contractor	Completion date
151202_1	02-Dec- 2015	Noise barriers provided to construction of substructure works shall installed according to EP condition (Portion III)	No further construction of substructure was observed and the barrier was installed as per requirement	Completion as observed on 21 December 2015

- 8.0.5. Four site inspections for Contract no. HK/2009/01 was carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.4**

Table 8.4 Summary of Environmental Inspections for Contract no. HK/2009/01

Item	Date	Observations	Action taken by Contractor	Completion date
151202_01	2-Dec-15	Drip tray shall be provided for oil container at slip road 3	Oil container has been removed and disposed.	Completion as observed on 9 December 2015
151209_01	9/12/2015	Drip tray shall be provided to oil container (Stage 1)	Oil container has been removed and disposed.	Completion as observed on 17 December 2015

- 8.0.6. Four site inspections for Contract no. HK/2009/02 was carried out during this reporting period. No observation was found in the reporting month. The results of these inspections and outcomes are summarized in **Table 8.5**.

Table 8.5 Summary of Environmental Inspections for Contract no. HK/2009/02

Item	Date	Observations	Action taken by Contractor	Completion date
151203_01	3-Dec-15	Hole of drip tray under mechanical pump shall be covered at WCR3	The hole of drip tray has been covered at WCR3.	Completion as observed on 10 December 2015.
151203_02	3-Dec-15	The gap of silt curtain at RW21-P789 shall be minimized to properly maintain the silt curtain condition.	Silt curtain at RW21-P789 has deployed to seabed level.	Completion as observed on 16 December 2015.
151203_03	3-Dec-15	Silt above the seawall block shall be cleaned to prevent any surface runoff during the coming rainstorm at WCR3.	Silt above the seawall block was cleaned at WCR3.	Completion as observed on 10 December 2015.

8.0.7. Four site inspection for Contract no. HK/2012/08 was carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.6**

Table 8.6 Summary of Environmental Inspections for Contract no. HK/2012/08

Item	Date	Observations	Action taken by Contractor	Completion date
151208_01	8-Dec-15	Floating refuse shall be collected at Zone A2 area.	Floating refuse was cleared at Zone A2.	Completion as observed on 15 December 2015
151208_02	8-Dec-15	Silt curtain at the opening of water channel shall be repaired and properly maintain.	Silt curtain was repaired and properly deployed.	Completion as observed on 15 December 2015
151222_01	22-Dec-15	Muddy effluent at site exit and public road shall be cleaned regularly in an orderly manner.	The site exit and public road were cleaned properly.	Completion as observed on 29 December 2015
151222_02	22-Dec-15	Direct discharge from boxes was observed at water channel, contaminated effluent shall be collected in proper manner and treated before discharge.	Discharge was stopped and no further discharge was observed.	Completion as observed on 22 December 2015

8.0.8. Eight site inspections for Contract no. HY/2010/08 was carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.7**

Table 8.7 Summary of Environmental Inspections for Contract no. HY/2010/08

Item	Date	Observations	Action taken by Contractor	Completion date
151202_1	2-Dec-15	Piping with idle ends shall be removed to avoid potential discharge (TS3)	Idle pipes were removed	Completion as observed on 3 December 2015
151202_2	2-Dec-15	The contractor shall critically review the storage holding tank to avoid overflow to nearby water (TS3)	The holding tank of concern was abandon from used.	Completion as observed on 9 December 2015
151202_3	2-Dec-15	Review the dosage and operation of waste water treatment plant to avoid turbid discharge (TS3)	No further turbid discharge was observed	Completion as observed on 3 December 2015
151202_4	2-Dec-15	Effluent pipe from the desilting compartment of the waste water treatment plant shall be properly connected to a collection pit or disconnected (TS3)	The piping from the desilting compartment was stored properly to avoid accidental discharge.	Completion as observed on 14 December 2015
151202_5	2-Dec-15	Clean the leaked oil as chemical waste (TS3)	Leaked oil has been cleared	Completion as observed on 3 December 2015
151203_1	3-Dec-15	Damaged barrier around site boundary shall be repaired (Victoria Park)	Damaged barrier was repaired	Completion as observed on 9 December 2015
151203_2	3-Dec-15	Drip tray shall be provided for chemical containers	The chemical container was removed	Completion as observed on 9 December 2015
151209_1	9-Dec-15	Clear the soil deposit at the boundary of site location to prevent direct wash off of contaminated effluent (TS3 North)	Mud residue deposited has been cleared	Completion as observed on 16 December 2015
151209_2	9-Dec-15	Tarpaulin sheet shall be provided/reinstated after repositioning of barge prior to resumption of excavated material transfer to prevent drop off	The tarpaulin sheeting was rearranged at proper position for excavated material transfer	Completion as observed on 11 December 2015
151211_1	11-Dec-15	Contractor was advised to clean the mud deposit within waste water treatment plant before resumption of plant operation to avoid discharge contamination (Victoria Park)	The mud residue within the treatment unit was cleared	Completion as observed on 14 December 2015

151211_2	11-Dec-15	Review the adequacy of the barrier in height to ensure sufficient height of 2.4m (Victoria Park)	The condition of the barrier was improve.	Completion as observed on 14 December 2015
151211_3	11-Dec-15	Clear the floating scum around works boundary (TS3)	Floating refuse have been cleared	Completion as observed on 14 December 2015
151211_4	11-Dec-15	Provide drip tray for chemical container (Victoria Park Road)	The chemical container was removed	Completion as observed on 14 December 2015
151214_1	14-Dec-15	Provide watering to breaking works (TS3)	No further concerned breaking works was observed	Completion as observed on 16 December 2015
151216_1	16-Dec-15	Critical review the capacity and operation of waste water treatment plant and avoid potential turbid discharge (TS3 West)	No further turbid discharge was observed	Completion as observed on 22 December 2015
151216_2	16-Dec-15	Drip tray shall be provided to oil containers (TS3)	Oil container was removed	Completion as observed on 31 December 2015
151224_1	24-Dec-15	Fine particular was observed at the outlet tank of the wastewater treatment system. The contractor was advised to review the operation condition and dosage and recirculate for treatment before discharge (TS3 West)	No further fine particulates were observed	Completion as observed on 29 December 2015
151224_2	24-Dec-15	Clean the mud/silt deposition to ensure proper settling prior to resuming the plant operation (Victoria Park)	The mud deposition was cleared	Completion as observed on 29 December 2015

8.0.9. Four site inspections for Contract no. HY/2011/08 were carried out during this reporting period. No observation was found in the reporting month.

9.0 COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION

9.0.1. Two environmental complaints were received in the reporting month.

9.0.2. First public complaint regarding construction dust impact referred by EPD was received by ET on 04 December 2015 (EPD Ref: H04/RS/00028924-15). The complainant reported that excessive construction dust was generated from the construction site near Two International Finance Centre at Finance Street, Central

ET confirmed with the Resident Site Staff that bridge works and drains/ sewers construction at the concerned location was undertaken by Contract HY/2009/18 on 12 November 2015. A stockpile which would be reused for backfilling was stored at the concerned location by Contract HY/2009/18 on 12 November 2015.

Mitigation measures implemented by the Contractor for the above construction works including covering of idled portion of stockpile and dampening of the exposed stockpile was implemented for the stockpile at the concerned location.

According to relevant site records confirmed by RSS, bridge works and drains/ sewers construction at the concerned location was undertaken by Contractor of HY/2009/18 on 12 November 2015 and a stockpile which would be reused for backfilling was stored at the concerned location. Mitigation measures including covering of idled portion of stockpile and dampening of the exposed stockpile was implemented for the stockpile at the concerned location.

In view of the public concern on potential dust impact at the concerned location, the Contractor of HY/2009/18 rearranged the works sequence and placed concrete blocks at the bridge retaining wall to allow for early commencement of backfilling on 19 November 2015 to minimize the size of the stockpile at an earlier stage. Additional water sprinklers were installed on 27 November 2015 to further enhance the dampening of the stockpile surface during excavation.

Follow-up inspection was conducted during weekly environmental inspection on 10 December 2015 and mitigation measures including covering of stockpile stored at the concerned location was implemented while it was observed that stockpiles stored near Man Chiu Street was not properly covered. The Contractor of HY/2009/18 was advised to promptly provide covering to all idled stockpile stored on site and the Contractor was reminded to enhance the watering during excavated material handling near the concerned location. Further follow up inspection was conducted on 17 December 2015 and mitigation measures including covering and watering for idle stockpile and material handling were implemented.

9.0.3. Second public complaint regarding noise impact referred by RSS was received by ET on 16 December 2015 (ICC Case Ref.: 2-1656689815 dated 14 December 2015). The complainant reported that incessant noise emanating from the construction site of the Island Eastern Corridor Link that forms part of the Central-Wanchai Bypass Project.

Over the past couple of weeks, there have been loud mechanical pounding at the construction site over the reclaimed area between Blocks 10 and 11 of City Garden. As can be seen, machines have been breaking open the concrete paved on top of the reclaimed area. Work often starts well before 9am on weekdays and, barring a brief period of lull during lunch hours, would often continue unabated until after 5pm. Although I note that certain noise reduction measures have been put into place (e.g. the erection of flimsy noise barriers around the work area), the noise created is still enormous, and this has become a significant nuisance for residents living in nearby blocks of our estate, especially children and the elderly who have to stay at home for longer hours.

ET confirmed with the Resident Site Staff that concreting breaking works was carried out with one breaker on 7, 9, 11, 12 and 14 December 2015 and the breaking works at the concerned location were completed on 14 December 2015 morning. Noise mitigation measures including temporary noise barriers near the point of breaking and covering the breaker with acoustic mat were provided during the concerned concrete breaking works.

According to information confirmed by RSS, concreting breaking works was carried out by one excavator mounted breaker on 7, 9, 11, 12 and 14 December 2015 and the concerned breaking works outside City Garden Block 10 and Block 11 was completed on 14 December 2015 morning. Noise mitigation measures including temporary noise barriers near the point of breaking and covering the breaker with acoustic mat were provided during the concerned concrete breaking works. Based on the further review on the record of the environmental inspection conducted on 09 December 2015, the Contractor of HY/2009/19 was reminded to temporary noise barrier provided for the pile cap demolition shall follow the Environmental Permit EP-364/2009/D requirement.

Follow up inspection was conducted during weekly environmental inspection on 17 December 2015, the concerned breaking works opposite to City Garden Block 10 and Block 11 was observed completed while the Contractor was reminded that the remaining section of temporary noise barrier in accordance with the latest Environmental Permit EP-364/2009/D shall be completed on site as soon as possible. According to the information provided by RSS, the temporary noise barrier in accordance with the Environmental Permit requirement opposite to City Garden was substantially completed on 21 December 2015. In view of the public concern, the Contractor was suggested to consider to review the works duration at daytime and conduct other future breaking works around the concerned location intermittently to minimize the potential noise nuisance caused to the surroundings.

- 9.0.4. Referring to the complaint case regarding the illegal disposal of construction waste referred by EPD was received by ET on 17 November 2015, the updated 2nd and 3rd interim investigation report were submitted to the EPD on 17 December 2015 and 31 December 2015 respectively. In response to the complaint concern, additional water quality monitoring and additional site inspections have been conducted by the ET and the investigation findings were included in the interim investigation reports separately submitted to the EPD. In addition, the ET and IEC have conducted checking on the waste disposal records and site construction records with the CWB RSS team to confirm the key construction activities during the

concerned period and the quantities of inert C&D material disposed. Upon further review on relevant records and follow up inspections on the implementation of site measures, the final investigation would be issued.

- 9.0.5. The details of cumulative complaint log and updated summary of complaints are presented in **Appendix 9.1**
- 9.0.6. Cumulative statistic on complaints and successful prosecutions are summarized in **Table 9.1** and **Table 9.2** respectively.

Table 9.1 Cumulative Statistics on Complaints

Reporting Period	No. of Complaints
December 2015	2
September 2010 – November 2015	51
Total	53

Table 9.2 Cumulative Statistics on Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Successful Prosecutions this month (Offence Date)	Cumulative No. Project-to-Date
Air	-	0	0
Noise	-	0	0
Water	-	0	0
Waste	-	0	0
Total	-	0	0

10 CONCLUSION

10.0.1. The EM&A programme was carried out in accordance with the EM&A Manual requirements, minor alterations to the programme proposed were made in response to changing circumstances.

10.0.2. The scheduled construction activities and the recommended mitigation measures for the coming month are listed in **Table 10.1**. The construction programmes of individual contracts are provided in [Appendix 10.1](#).

Table 10.1 Summary of Key Construction Activities of Individual Contract(s) to be commenced in Coming Reporting Month

Contract No.	Key Construction Works	Recommended Mitigation Measures
HY/2009/15	- Remedial works at Mined Tunnel - Excavation and RC structure works at TPCWAW - Remaining works inside tunnel at TS4 and TPCWAE - Removal of standby Dewatering System and monitoring instrument along Hung Hing road	- Dust control during dust generating activities - Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the nearby water.
HY/2009/18	- Drainage works - Road works - Bridges construction	- Dust control during dust generating activities - Provide protection works to ensure no runoff out of site area or direct discharge into public drainage system.

HY/2009/19	• Pier construction for IEC • Construction of EVB • Column modification at F1 to F8 • Watson Road laying of new water pipe • Oil Street drainage works • Excavation / Construction of retaining wall/Approach Ramp/ADB • Bridge segment erections • Pre-bored H-pile for Approach Ramp • Hing Fat Street modification works • Bridge TA2 demolition • Abutment D12 construction	• Noise level shall be controlled by reducing the breaking operation rate. • Noise barrier shall be implemented • Dust control during dust generating works • Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the sea.
HK/2009/01	• Stage 1 ,2 & 3 Backfilling works at CWB Tunnel top slab • Stage 2 Construction of slip road 3 • Stage 3 RC structure for CWB Tunnel Bay 18 to 20 • Removal of abandoned cooling main (P7/P9) at Convention Avenue • Reinstatement of outfall • Reinstatement of triangular planter at Fenwick Pier Street • Roadworks /drains for Expo Drive East • Stage 4 ELS works	• Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the sea. • Dust control during dust generating works

HK/2009/02	• Completion of road side barriers • Backfilling works • Cutting the top part of diaphragm wall • Strut layer S6 lateral support installation • Breaking through bulkhead wall BW3 • Pouring blinding layer concrete • Tunnel construction at west side • Waterproofing layer application • Ground investigation works for bored piles and diaphragm wall • Bored pile construction • Pre-treatment works and guide wall construction for diaphragm wall • Diaphragm wall construction • Extraction of the temporary sheetpile seawall and removal of the temporary seawall blocks near the interface between Portion 2 and Portion 5	• Dust control during dust generating works • Provision of protection to ensure no runoff out of site area or direct discharge into public drainage system.
HK/2012/08	• Diaphragm wall construction • Grouting • Construction of MVB • Pre-bored H-pile construction • Construction of concrete plug • Excavation and lateral support installation	• Dust control during dust generating works • Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system.

HY/2010/08	• Tree protection works next to existing BGO, • Drainage improvement works, • Sheet piling works, • Excavation and Lateral Support for U-structure, • Pipe piling & grouting works, • Utility diversion works, • Retaining wall works • ELS works, • Diaphragm Wall, Barrette construction and king post installation works • D-wall drill cutting works • Construction works for subway extension	• Dust control during dust generating works • Appropriate measures should be taken to ensure adequate protections are provided for trees being transplanted and retained on site. • Provision of protection to ensure no runoff out of site area or direct discharge into public drainage system.
HY/2011/08	• West Ventilation Building Construction • East Ventilation Shaft Construction • Tunnel Thermal Barrier Construction	• Dust control during dust generating works

10.0.3. The construction works of Contract no. 04/HY/2006 – Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street under FEP-04/364/2009/A was completed, and the FEP was surrendered by the Contractor on 11 February 2011.

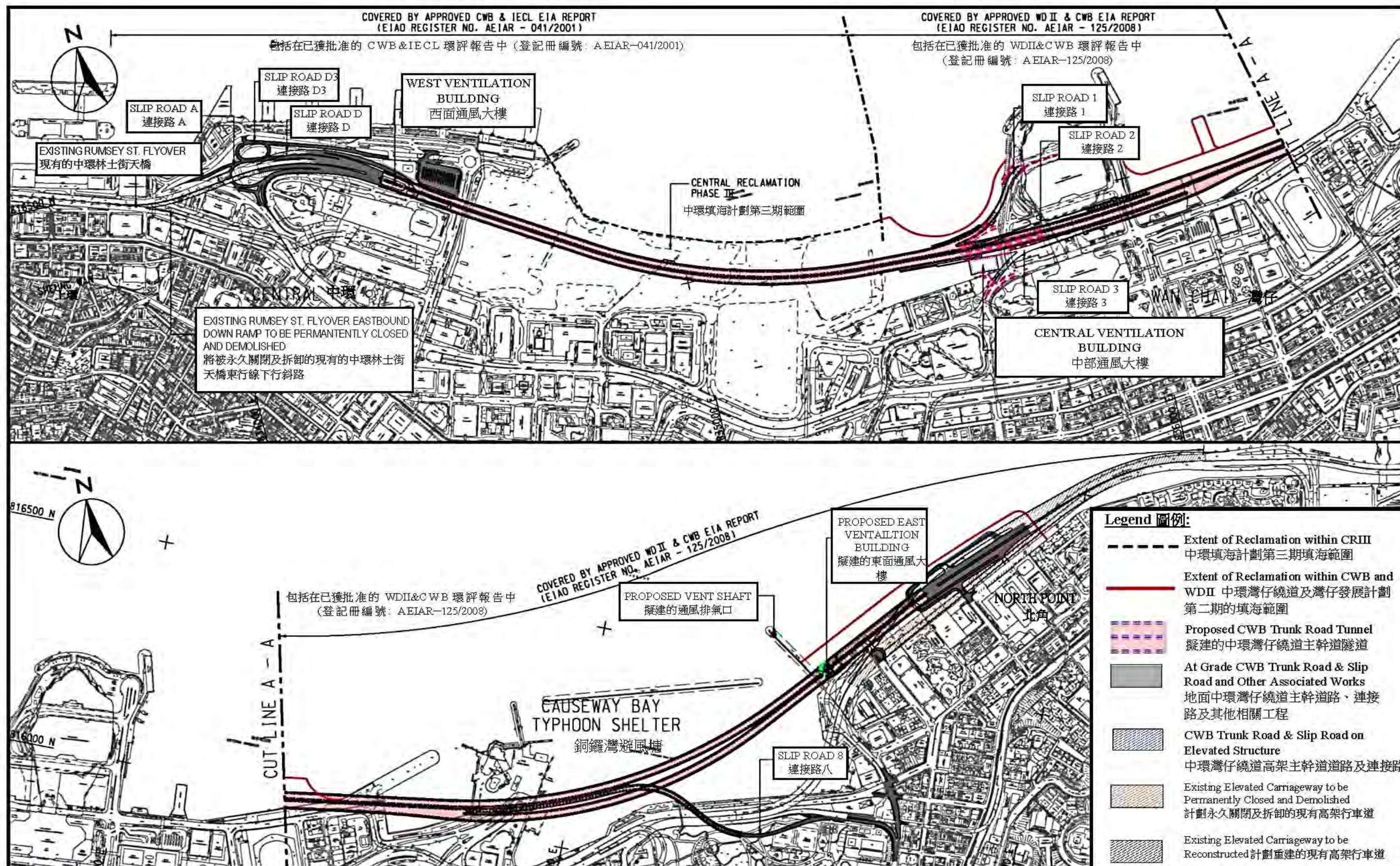
10.0.4. The construction works of Contract no. HY/2009/17 - Advance piling works at Whitfield Depot under FEP-03/264/2009 was completed, and the FEP was surrendered by the Contractor and found in order by EPD on 25 April 2013.

10.0.5. The construction works of Contract HK/2010/06 was completed, and the FEP-08/364/2009/A was surrendered by the Contractor on 3 October 2014.



Figure 2.1

Project Layout



Project Title: Central-Wanchai Bypass (CWB) Including Its Road Tunnel and Slip Roads
工程項目名稱: 中環灣仔繞道包括其行車隧道及連接路

Environmental Permit No.: EP-364/2009/D
環境許可證編號: EP-364/2009/D

Figure 1: Location of the Project
圖 1: 工程項目位置

(This figure was prepared based on Figure 1.1 of the Application for Environmental Permit (Application No.: AEP-364/2009))
(本圖是根據環境許可證的申請(申請書編號 AEP-364/2009 圖 1.1 編製))



Figure 2.2

Project Organization Chart



Project Organization Chart

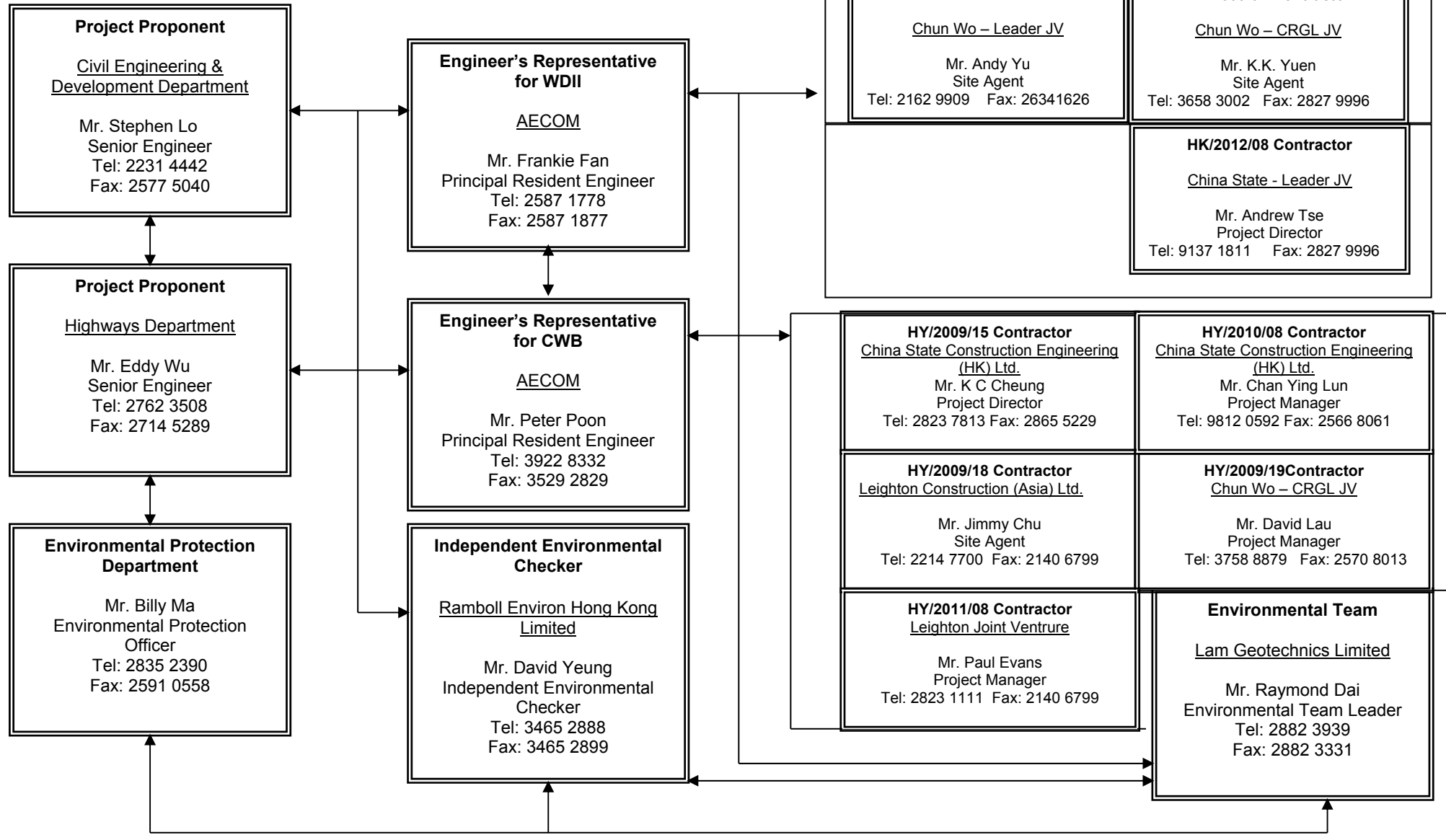


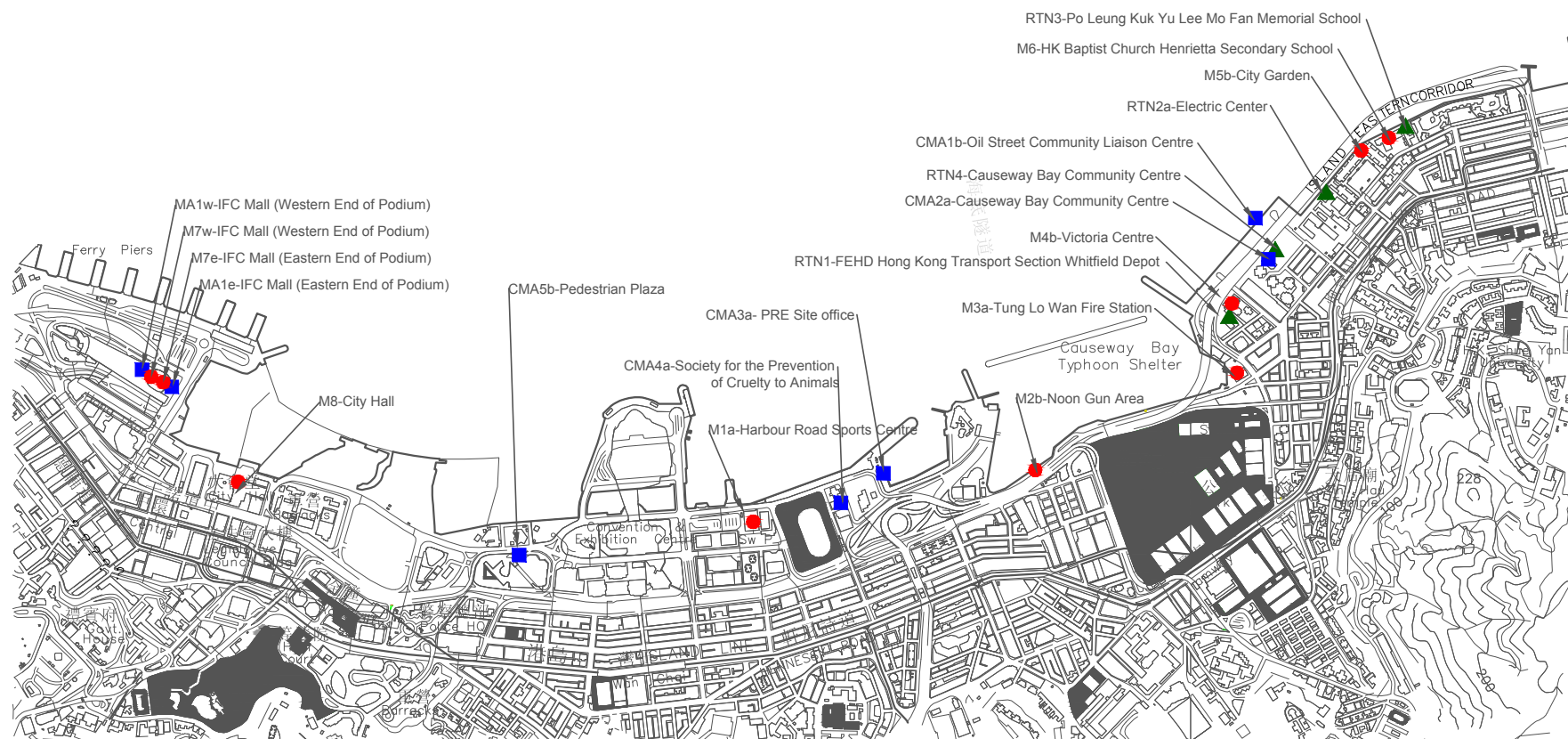


Figure 4.1

Locations of Monitoring Stations

Legend

- Noise Monitoring Station
- Air Quality Monitoring Station
- ▲ Real-time Noise Monitoring Station



LOCATIONS OF ENVIRONMENTAL MONITORING STATIONS



Appendix 3.1

Environmental Mitigation Implementation Schedule

IMPLEMENTATION SCHEDULE OF THE PROPOSED MITIGATION MEASURES**Table A.1 Implementation Schedule for Air Quality Control**

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
S3.6.5	Four times a day watering of the work site with active operations.	Work site / during construction	Contractor		√			EIAO-TM
S3.8.1	Implementation of dust suppression measures stipulated in Air Pollution Control (Construction Dust) Regulation. The following mitigation measures, good site practices and a comprehensive dust monitoring and audit programme are recommended to minimise cumulative dust impacts. - Strictly limit the truck speed on site to below 10 km per hour and water spraying to keep the haul roads in wet condition; - Watering during excavation and material handling; - Provision of vehicle wheel and body washing facilities at the exit points of the site, combined with cleaning of public roads where necessary; and - Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.	Work site / during construction	Contractor		√			
Operational Phase								
S3.6.53 – S3.6.54	The design parameters of the East and Central Ventilation Buildings as set in Tables 3.10 and 3.11 of Volume 1 of the WDII & CWB EIA Report.	East and Central Ventilation Buildings / During operation of the Trunk Road	HyD			√		
S3.10.2	Air quality monitoring for the operation performance of the East Ventilation Building and associated East Vent Shaft will be conducted.	East Vent Shaft / During operation of the East Ventilation Building and associated East Vent Shaft	HyD			√		EIAO-TM

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Table A.2 Implementation Schedule for Noise Control

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
S4.9.3	Good Site Practice: - Only well-maintained plant shall be operated on-site and plant shall be serviced regularly during the construction program. - Silencers or mufflers on construction equipment shall be utilized and shall be properly maintained during the construction program. - Mobile plant, if any, shall be sited as far away from NSRs as possible. - Machines and plant (such as trucks) that may be in intermittent use shall be shut down between works periods or shall be throttled down to a minimum. - Plant known to emit noise strongly in one direction shall, wherever possible, be orientated so that the noise is directed away from the nearby NSRs. - Material stockpiles and other structures shall be effectively utilized, wherever practicable, in screening noise from on-site construction activities.	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO
S4.8.1 – S4.8.11	Use of quiet powered mechanical equipment, movable noise barrier and temporary noise barrier for the following tasks: - Slip road 8 tunnel - Construction of diaphragm wall and substructures of the tunnel approach ramp - Excavation - Construction of slabs - Backfill	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	- Demolition and construction of substructures for the IEC - Demolition works of existing piers and crossheads of the marine section of the existing IEC Use of PME grouping for the following tasks: - At-grade road construction - Substructure for IECL connection							
Operation Phase								
S4.8.12 – S4.8.23	For Existing NSRs - about 235m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC - about 230m length of noise semi-enclosure with transparent panel covering the main carriageways (eastbound and westbound) of the CWB and IEC - about 135m length of 5.5m high cantilevered noise barrier with 4.5m cantilever inclined at 45° with transparent panel on the eastbound slip road to the IEC (amended under EP-364/2009/A) - about 95m length of 5.5m high cantilevered noise barrier with 1m cantilever inclined at 45° with transparent panel on the eastbound slip road to the IEC - about 350m length of 3.5m high vertical noise barrier with transparent panel on the eastbound slip road to the IEC - low noise road surfacing for the trunk road (except tunnel section and beneath the landscaped deck at the eastern portal area)) with speed limit of 70 km/hour	Near North Point / Before commencement of operation of road project	HyD	√	√	√		EIAO-TM

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	For Future/Planned NSRs - about 265m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC - The openable windows of the temple, if any, should be orientated so as to avoid direct line of sight to the existing Victoria Park Road as far as practicable.	In between the Electric Centre (next to City Garden) and CDA(1) site / Before occupation of Planned NSRs in CDA and CDA(1) sites. Near Causeway Bay Fire Station / During detailed design of the re-provisioned Tin Hau Temple	HyD Project Proponent for the re-provisioned Tin Hau Temple	√ √	√ #			

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Only the steel frame for this section of noise semi-enclosure would be erected in advance during the construction of the westbound slip road.

Table A.4 Implementation Schedule for Waste Management

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
S6.5.14	Floating Refuse During the construction phase, the project proponent’s contractor will be responsible for the collection of any refuse within their works area. Floating booms will be provided on the water surface to confine the refuse from the working barges as well as to avoid the accumulation of pollutants within temporary embayment as mentioned in Table D9.3.	Work site / During the construction period	Contractor		√			
S6.6.1	Good Site Practices Recommendations for good site practices during the construction activities include: • nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site; • training of site personnel in proper waste management and chemical waste handling procedures; • provision of sufficient waste disposal points and regular collection for disposal; • appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; • regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and • a recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites).	Work site / During the construction period	Contractor		√			Waste Disposal Ordinance (Cap.354)

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.6.2	<i>Waste Reduction Measures</i> Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include: • segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal; • to encourage collection of aluminium cans, PET bottles and paper, separate labelled bins shall be provided to segregate these wastes from other general refuse generated by the work force; • any unused chemicals or those with remaining functional capacity shall be recycled; • use of reusable non-timber formwork, such as in casting the tunnel box sections, to reduce the amount of C&D material. • prior to disposal of C&D waste, it is recommended that wood, steel and other metals shall be separated for re-use and / or recycling to minimise the quantity of waste to be disposed of to landfill; • proper storage and site practices to minimise the potential for damage or contamination of construction materials; and • plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.	Work site / During planning and design stage, and construction stage	Contractor	√	√			

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.6.4	<i>General Refuse</i> General refuse shall be stored in enclosed bins or compaction units separate from C&D material. A licensed waste collector shall be employed by the contractor to remove general refuse from the site, separately from C&D material. A collection area shall be provided where wastes can be stored and loaded prior to removal from site. An enclosed and covered area is recommended to reduce the occurrence of 'wind blow' light material.	Work site / During the construction period	Contractor		√			Public Health and Municipal Services Ordinance (Cap. 132)
S6.6.5	<i>Chemical Wastes</i> After use, chemical wastes (for example, cleaning fluids, solvents, lubrication oil and fuel) shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Spent chemicals shall be collected by a licensed collector for disposal at the CWTF or other licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Work site / During the construction period	Contractor		√			Waste Disposal (Chemical Waste) (General) Regulation Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes
S6.6.6	<i>Construction and Demolition Material</i> C&D material shall be sorted on-site into inert C&D material (that is, public fill) and C&D waste. All the suitable inert C&D material shall be broken down to 250 mm in size for reuse as public fill in the WDII reclamation. C&D waste, such as wood, glass, plastic, steel and other metals shall be reused or recycled and, as a last resort, disposed of to landfill. A suitable area shall be designated to facilitate the sorting process and a temporary stockpiling area will be required for the separated materials.	Work site / During the construction period	Contractor		√			ETWB TCW No. 33/2002, 31/2004, 19/2005

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.6.7	In order to monitor the disposal of public fill and C&D waste at public fill reception facilities and landfills, respectively, and to control fly tipping, a trip-ticket system shall be included as one of the contractual requirements and implemented by the Environmental Team undertaking the environmental monitoring and audit work. An Independent Environment Checker shall be responsible for auditing the results of the system.	Work site / During the construction period	Contractor and Independent Environmental Checker		√			ETWB TCW No. 31/2004
S6.6.8	<i>Bentonite Slurry</i> The disposal of residual used bentonite slurry shall follow the good practice guidelines stated in ProPECC PN 1/94 "Construction Site Drainage" and listed as follows: • If the disposal of a certain residual quantity cannot be avoided, the used slurry may be disposed of at the marine spoil grounds subject to obtaining a marine dumping licence from EPD on a case-by-case basis. • If the used bentonite slurry is intended to be disposed of through the public drainage system, it shall be treated to the respective effluent standards applicable to foul sewers, storm drains or the receiving waters as set out in the Technical Memorandum of Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters. • If the used bentonite slurry is intended to be disposed to public fill reception facilities, it will be mixed with dry soil on site before disposal.	Work site / During the construction period	Contractor		√			ProPECC PN 1/94

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Table A.5 Implementation Schedule for Land Contamination

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction and Operation Phase								
S.7.1.1	As no potential contaminative land uses were identified within the Study Area, adverse land contamination impacts associated with the construction and operation of the Project is not expected. As such, environmental protection and mitigation measures are considered not necessary and will not be covered in this EM&A Manual.	-	-					-

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Table A.7 Implementation Schedule for Landscape and Visual

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures		Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
					Des	C	O	Dec	
Construction Phase									
Table 10.5	CM1	Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM2	Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM3	Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM4	Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM5	Control of night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Table 10.5	CM6	Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Operation Phase									
Table 10.6, Figure 10.5.1-10.5.5	OM1	Aesthetic design of buildings and road-related structures, including viaducts, vent buildings, subways, footbridges and noise barriers and enclosure.	Work site / During Design Stage and Operation Phases	HyD	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM3	Buffer Tree and Shrub Planting to screen proposed roads and associated structures.	Work site / During Design Stage and Operation Phases	HyD	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM5	Aesthetic streetscape design.	Work site / During Design Stage and Operation Phases	HyD	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM6	Aesthetic design of roadside amenity areas.	Work site / During Design Stage and Operation Phases	HyD	√	√	√		ETWB TCW 2/2004

*Des - Design, C - Construction, O – Operation, and Dec - Decommissioning



Appendix 4.1

Action and Limit Level

Action and Limit Level

Action and Limit Level for Noise Monitoring

Time Period	Action Level	Limit Level
07:00 – 19:00 hours on normal weekdays	When one documented complaint is received.	75 dB(A)/ 70 dB(A)/ 65 dB(A) ^{Note 1}

Note 1:

- 70dB(A) and 65 dB(A) for schools during normal teaching periods and school examination periods, respectively.
- If works are to be carried out during the restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

Action and Limit Level for Air Monitoring

Monitoring Location	1-hour TSP Level in $\mu\text{g}/\text{m}^3$		24-hour TSP Level in $\mu\text{g}/\text{m}^3$	
	Action Level	Limit Level	Action Level	Limit Level
CMA1b	320.1	500	176.7	260
CMA2a	323.4	500	169.5	260
CMA3a	311.3	500	171.0	260
CMA4a	312.5	500	171.2	260
CMA5b	332.0	500	181.0	260
MA1e	325.1	500	173.4	260
MA1w	325.1	500	173.4	260



Appendix 4.2

Copies of Calibration Certificates



CERTIFICATE OF CALIBRATION

Certificate No.: 14CA1213 01

Page 1 of 2

Item tested

Description:	Sound Level Meter (Type 1)	Microphone
Manufacturer:	B & K	B & K
Type/Model No.:	2236	4188
Serial/Equipment No.:	2100736	2288941
Adaptors used:	-	-

Item submitted by

Customer Name: Lam Geotechnics Limited
Address of Customer: -
Request No.: -
Date of receipt: 13-Dec-2014

Date of test: 13-Dec-2014

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	20-Jun-2015	CIGISMEC
Signal generator	DS 360	33873	09-Apr-2015	CEPREI
Signal generator	DS 360	61227	09-Apr-2015	CEPREI

Ambient conditions

Temperature: 21 ± 1 °C
Relative humidity: 60 ± 5 %
Air pressure: 1010 ± 5 hPa

Test specifications

- 1, The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- 2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of $\pm 20\%$.
- 3, The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsiveness of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Actual Measurement data are documented on worksheets.

Approved Signatory:

Huang Jian Min/Feng Jun Qi

Date: 15-Dec-2014

Company Chop:

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 14CA1213 01

Page 2 of 2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor
Self-generated noise	A	Pass	0.3	2.1
	C	Pass	1.0	
	Lin	Pass	2.0	
Linearity range for Leq	At reference range, Step 5 dB at 4 kHz	Pass	0.3	2.2
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
Linearity range for SPL	A	Pass	0.3	
	C	Pass	0.3	
	Lin	Pass	0.3	
Time weightings	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
Peak response	Single 100µs rectangular pulse	Pass	0.3	
R.M.S. accuracy	Crest factor of 3	Pass	0.3	
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3	
	Repeated at frequency of 100 Hz	Pass	0.3	
Time averaging	1 ms burst duty factor 1/10 ³ at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/10 ⁴ at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4	
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

Calibrated by:

Date:

Fung Chi Yip
13-Dec-2014

Checked by:

Date:

Lam Tze Wai
15-Dec-2014

- End -

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



CERTIFICATE OF CALIBRATION

Certificate No.: 15CA1203 04-01

Page 1 of 2

Item tested

Description:	Sound Level Meter (Type 1)	Microphone
Manufacturer:	B & K	B & K
Type/Model No.:	2236	4188
Serial/Equipment No.:	2100736	2288941
Adaptors used:	-	-

Item submitted by

Customer Name: Lam Geotechnics Limited
Address of Customer: -
Request No.: -
Date of receipt: 03-Dec-2015

Date of test: 04-Dec-2015

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	19-Jun-2016	CIGISMEC
Signal generator	DS 360	33873	16-Apr-2016	CEPREI
Signal generator	DS 360	61227	16-Apr-2016	CEPREI

Ambient conditions

Temperature: 22 ± 1 °C
Relative humidity: 50 ± 10 %
Air pressure: 1010 ± 10 hPa

Test specifications

- 1, The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- 2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of $\pm 20\%$.
- 3, The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responses of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

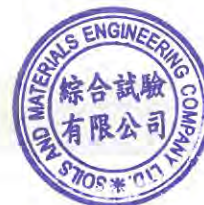
Actual Measurement data are documented on worksheets.

Approved Signatory:


Huang Jian Min / Feng Jun Qi

Date: 05-Dec-2015

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 15CA1203 04-01

Page 2 of 2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor
Self-generated noise	A	Pass	0.3	2.1
	C	Pass	1.0	
	Lin	Pass	2.0	
Linearity range for Leq	At reference range, Step 5 dB at 4 kHz	Pass	0.3	2.2
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
		Pass	0.3	
Linearity range for SPL	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	A	Pass	0.3	
	C	Pass	0.3	
Frequency weightings	Lin	Pass	0.3	
		Pass	0.3	
		Pass	0.3	
Time weightings	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
Peak response	Single 100µs rectangular pulse	Pass	0.3	
R.M.S. accuracy	Crest factor of 3	Pass	0.3	
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3	
	Repeated at frequency of 100 Hz	Pass	0.3	
Time averaging	1 ms burst duty factor 1/10 ³ at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/10 ⁴ at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4	
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

Calibrated by:

Date:

Fung Chi Yip
04-Dec-2015

- End -

Checked by:

Date:

Lam Tze Wai
05-Dec-2015

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



CERTIFICATE OF CALIBRATION

Certificate No.: 15CA0528 04-03

Page: 1 of 2

Item tested

Description: Acoustical Calibrator (Class 1)
Manufacturer: Rion Co., Ltd.
Type/Model No.: NC-73
Serial/Equipment No.: 10465798
Adaptors used: -

Item submitted by

Customer: Lam Geotechnics Ltd.
Address of Customer: -
Request No.: -
Date of receipt: 28-May-2015

Date of test: 30-May-2015

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Lab standard microphone	B&K 4180	2341427	15-Apr-2016	SCL
Preamplifier	B&K 2673	2239857	22-Apr-2016	CEPREI
Measuring amplifier	B&K 2610	2346941	22-Apr-2016	CEPREI
Signal generator	DS 360	61227	16-Apr-2016	CEPREI
Digital multi-meter	34401A	US36087050	17-Apr-2016	CEPREI
Audio analyzer	8903B	GB41300350	17-Apr-2016	CEPREI
Universal counter	53132A	MY40003662	16-Apr-2016	CEPREI

Ambient conditions

Temperature: 21 ± 1 °C
Relative humidity: 60 ± 10 %
Air pressure: 1000 ± 5 hPa

Test specifications

- The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B and the lab calibration procedure SMTP004-CA-156.
- The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.
- The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on **page 2** of this certificate.

Approved Signatory:

Huang Jian Min/Feng Jun Qi

Date: 01-Jun-2015

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 15CA0528 04-03

Page: 2 of 2

1, Measured Sound Pressure Level

The output Sound Pressure Level in the calibrator head was measured at the setting and frequency shown using a calibrated laboratory standard microphone and insert voltage technique. The results are given in below with the estimated uncertainties.

Frequency Shown Hz	Output Sound Pressure Level Setting dB	Measured Output Sound Pressure Level dB	(Output level in dB re 20 μ Pa)
			Estimated Expanded Uncertainty dB
1000	94.00	94.06	0.10

2, Sound Pressure Level Stability - Short Term Fluctuations

The Short Term Fluctuations was determined by measuring the maximum and minimum of the fast weighted DC output of the B&K 2610 measuring amplifier over a 20 second time interval as required in the standard. The Short Term Fluctuation was found to be:

At 1000 Hz STF = 0.002 dB

Estimated expanded uncertainty 0.005 dB

3, Actual Output Frequency

The determination of actual output frequency was made using a B&K 4180 microphone together with a B&K 2673 preamplifier connected to a B&K 2610 measuring amplifier. The AC output of the B&K 2610 was taken to an universal counter which was used to determine the frequency averaged over 20 second of operation as required by the standard. The actual output frequency at 1 KHz was:

At 1000 Hz Actual Frequency = 966.3 Hz

Estimated expanded uncertainty 0.1 Hz Coverage factor k = 2.2

4, Total Noise and Distortion

For the Total Noise and Distortion measurement, the unfiltered AC output of the B&K 2610 measuring amplifier was connected to an Agilent Type 8903 B distortion analyser. The TND result at 1 KHz was:

At 1000 Hz TND = 0.5 %

Estimated expanded uncertainty 0.7 %

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by:

Date:

Fung Chi Yip

30-May-2015

Checked by:

Date:

Lam Tze Wai

01-Jun-2015

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Jun 30, 2015 Rootmeter S/N 0438320 Ta (K) - 296
Operator Tisch Orifice I.D. - 0005 Pa (mm) - 749.3

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER	ORFICE
					DIFF Hg (mm)	DIFF H2O (in.)
1	NA	NA	1.00	1.3930	3.2	2.00
2	NA	NA	1.00	0.9800	6.4	4.00
3	NA	NA	1.00	0.8790	7.9	5.00
4	NA	NA	1.00	0.8350	8.7	5.50
5	NA	NA	1.00	0.6900	12.7	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
0.9883	0.7095	1.4090		0.9957	0.7148	0.8889
0.9841	1.0042	1.9926		0.9915	1.0117	1.2570
0.9820	1.1172	2.2278		0.9894	1.1256	1.4054
0.9810	1.1749	2.3365		0.9884	1.1837	1.4740
0.9757	1.4141	2.8179		0.9830	1.4247	1.7777
Qstd slope (m) = 2.00072				Qa slope (m) = 1.25282		
intercept (b) = -0.01209				intercept (b) = -0.00763		
coefficient (r) = 0.99995				coefficient (r) = 0.99995		
y axis = SQRT[H2O(Pa/760) (298/Ta)]				y axis = SQRT[H2O(Ta/Pa)]		

CALCULATIONS

Vstd = Diff. Vol [(Pa-Diff. Hg)/760] (298/Ta)
Qstd = Vstd/Time

Va = Diff Vol [(Pa-Diff Hg)/Pa]
Qa = Va/Time

For subsequent flow rate calculations:

Qstd = 1/m{ [SQRT(H2O(Pa/760) (298/Ta))] - b}
Qa = 1/m{ [SQRT H2O(Ta/Pa)] - b}



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA1b **Calibration Date** : 2-Oct-15
Equipment no. : EL452 **Calibration Due Date** : 2-Dec-15

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	301	Kelvin	Pressure, P _a
			1012 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	5.8	5.8	11.6	1.6988	58	57.6732
2	4.2	4.2	8.4	1.4465	52	51.7070
3	3.6	3.6	7.2	1.3396	45	44.7465
4	2.3	2.3	4.6	1.0720	36	35.7972
5	1.4	1.4	2.8	0.8377	28	27.8422

By Linear Regression of Y on X

Slope, m = 35.6958 Intercept, b = -2.0989
 Correlation Coefficient* = 0.9943
 Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au **Checked by** : Derek Lo
Date : 2-Oct-15 **Date** : 2-Oct-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA1b

Equipment no. : EL452

Calibration Date : 30-Nov-15

Calibration Due Date : 30-Jan-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T_a	295	Kelvin	Pressure, P_a
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m_c	2.00072	Intercept, b_c	-0.01209
Last Calibration Date	30-Jun-15	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q_{std} ($m^3 / min.$) X-axis	Continuous Flow Recorder, W (CFM)	IC ($W(P_a/1013.3 \times 298/T_a)^{1/2}/35.31$) Y-axis
	(up)	(down)	(difference)			
1	6.1	6.1	12.2	1.7656	58	58.4579
2	4.8	4.8	9.6	1.5669	52	52.4105
3	3.7	3.7	7.4	1.3764	44	44.3474
4	2.4	2.4	4.8	1.1097	36	36.2842
5	1.5	1.5	3.0	0.8786	24	24.1895

By Linear Regression of Y on X

Slope, m = 37.9882 Intercept, b = -7.7457

Correlation Coefficient* = 0.9953

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 30-Nov-15

Checked by : Derek Lo

Date : 30-Nov-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA2a

Equipment no. : EL449

Calibration Date : 2-Oct-15

Calibration Due Date : 2-Dec-15

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition						
Temperature, T _a	301		Kelvin	Pressure, P _a	1012 mmHg	

Orifice Transfer Standard Information						
Equipment No.	EL086		Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15		$\left(\frac{H \times P_a}{1013.3 \times 298 / T_a} \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16					

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	H (inches of water) (up)	(down)	(difference)			
1	5.7	5.7	11.4	1.6841	58	57.6732
2	4.5	4.5	9.0	1.4971	50	49.7183
3	3.4	3.4	6.8	1.3021	42	41.7634
4	2.4	2.4	4.8	1.0949	38	37.7859
5	1.5	1.5	3.0	0.8669	30	29.8310

By Linear Regression of Y on X

Slope, m = 33.0986 Intercept, b = 0.6900

Correlation Coefficient* = 0.9926

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 2-Oct-15

Checked by : Derek Lo

Date : 2-Oct-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA2a **Calibration Date** : 30-Nov-15
Equipment no. : EL449 **Calibration Due Date** : 30-Jan-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition						
Temperature, T _a	295	Kelvin	Pressure, P _a	1019	mmHg	

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$\left(\frac{H \times P_a}{1013.3 \times 298 / T_a} \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.7	6.7	13.4	1.8501	62	62.4895
2	5.3	5.3	10.6	1.6462	55	55.4342
3	4.1	4.1	8.2	1.4486	48	48.3789
4	2.7	2.7	5.4	1.1767	38	38.3000
5	1.6	1.6	3.2	0.9072	30	30.2368

By Linear Regression of Y on X

Slope, m = 34.6157
 Correlation Coefficient* = 0.9994
 Calibration Accepted = Yes/No**

Intercept, b = -1.6936

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

 Remarks : _____

Calibrated by : Kit Au **Checked by** : Derek Lo
Date : 30-Nov-15 **Date** : 30-Nov-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA3a **Calibration Date** : 2-Oct-15
Equipment no. : EL333 **Calibration Due Date** : 2-Dec-15

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition						
Temperature, T _a	301	Kelvin	Pressure, P _a	1012	mmHg	

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$\left(\frac{H \times P_a}{1013.3 \times 298 / T_a} \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	5.5	5.5	11.0	1.6544	54	53.6957
2	4.3	4.3	8.6	1.4635	48	47.7296
3	3.3	3.3	6.6	1.2829	44	43.7521
4	2.3	2.3	4.6	1.0720	38	37.7859
5	1.4	1.4	2.8	0.8377	32	31.8197

By Linear Regression of Y on X

Slope, m = 26.5104
 Correlation Coefficient* = 0.9991
 Calibration Accepted = Yes/No**

Intercept, b = 9.4978

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

 Remarks : _____

Calibrated by : Kit Au **Checked by** : Derek Lo
Date : 2-Oct-15 **Date** : 2-Oct-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA3a

Equipment no. : EL333

Calibration Date : 30-Nov-15

Calibration Due Date : 30-Jan-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	295	Kelvin	Pressure, P _a
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	5.8	5.8	11.6	1.7218	56	56.4421
2	4.5	4.5	9.0	1.5173	50	50.3947
3	3.5	3.5	7.0	1.3389	44	44.3474
4	2.3	2.3	4.6	1.0865	36	36.2842
5	1.5	1.5	3.0	0.8786	28	28.2211

By Linear Regression of Y on X

Slope, m = 33.3404 Intercept, b = -0.4922

Correlation Coefficient* = 0.9990

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 30-Nov-15

Checked by : Derek Lo

Date : 30-Nov-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA4a

Equipment no. : EL390

Calibration Date : 2-Oct-15

Calibration Due Date : 2-Dec-15

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T_a	301	Kelvin	Pressure, P_a
			1012 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m_c	2.00072	Intercept, b_c	-0.01209
Last Calibration Date	30-Jun-15	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.)	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31)
	(up)	(down)	(difference)	X-axis		Y-axis
1	6.1	6.1	12.2	1.7420	58	57.6732
2	4.9	4.9	9.8	1.5619	50	49.7183
3	4.0	4.0	8.0	1.4118	44	43.7521
4	2.6	2.6	5.2	1.1394	34	33.8084
5	1.7	1.7	3.4	0.9225	28	27.8422

By Linear Regression of Y on X

Slope, m = 36.4494 Intercept, b = -6.8487

Correlation Coefficient* = 0.9967

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 2-Oct-15

Checked by : Derek Lo

Date : 2-Oct-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA4a

Equipment no. : EL390

Calibration Date : 30-Nov-15

Calibration Due Date : 30-Jan-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	295	Kelvin	Pressure, P _a
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$\left(H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.)	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31)
	(up)	(down)	(difference)			
1	6.4	6.4	12.8	1.8084	58	58.4579
2	5.1	5.1	10.2	1.6149	52	52.4105
3	3.9	3.9	7.8	1.4130	46	46.3632
4	2.6	2.6	5.2	1.1548	34	34.2684
5	1.6	1.6	3.2	0.9072	24	24.1895
By Linear Regression of Y on X Slope, m = 38.5259 Intercept, b = -10.0149 Correlation Coefficient* = 0.9962 Calibration Accepted = Yes/No**						

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 30-Nov-15

Checked by : Derek Lo

Date : 30-Nov-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA5b

Equipment no. : EL222

Calibration Date : 2-Oct-15

Calibration Due Date : 2-Dec-15

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T_a	301	Kelvin	Pressure, P_a
			1012 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m_c	2.00072	Intercept, b_c	-0.01209
Last Calibration Date	30-Jun-15	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std}	Continuous Flow	IC
	H (inches of water)			(m ³ / min.)	Recorder, W	(W(P _a /1013.3x298/T _a) ^{1/2} /35.31
	(up)	(down)	(difference)	X-axis	(CFM)	Y-axis
1	5.8	5.8	11.6	1.6988	60	59.6619
2	4.6	4.6	9.2	1.5135	55	54.6901
3	3.6	3.6	7.2	1.3396	50	49.7183
4	2.4	2.4	4.8	1.0949	42	41.7634
5	1.5	1.5	3.0	0.8669	34	33.8084

By Linear Regression of Y on X

Slope, m = 31.1467 Intercept, b = 7.3520

Correlation Coefficient* = 0.9986

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 2-Oct-15

Checked by : Derek Lo

Date : 2-Oct-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA5b

Equipment no. : EL222

Calibration Date : 30-Nov-15

Calibration Due Date : 30-Jan-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	295	Kelvin	Pressure, P _a
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$\left(H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std}	Continuous Flow	IC
	H (inches of water)			(m ³ / min.)	Recorder, W	(W(P _a /1013.3x298/T _a) ^{1/2} /35.31)
	(up)	(down)	(difference)	X-axis	(CFM)	Y-axis
1	5.2	5.2	10.4	1.6306	62	62.4895
2	4.3	4.3	8.6	1.4834	58	58.4579
3	3.3	3.3	6.6	1.3002	53	53.4184
4	2.0	2.0	4.0	1.0136	46	46.3632
5	1.3	1.3	2.6	0.8183	38	38.3000

By Linear Regression of Y on X

Slope, m = 28.8602 Intercept, b = 15.7526

Correlation Coefficient* = 0.9958

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 30-Nov-15

Checked by : Derek Lo

Date : 30-Nov-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA6a **Calibration Date** : 2-Oct-15
Equipment no. : EL448 **Calibration Due Date** : 2-Dec-15

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition						
Temperature, T _a	301	Kelvin	Pressure, P _a	1012	mmHg	

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$\left(\frac{H \times P_a}{1013.3 \times 298 / T_a} \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	H (inches of water)					
	(up)	(down)	(difference)			
1	6.5	6.5	13.0	1.7980	56	55.6845
2	5.3	5.3	10.6	1.6242	50	49.7183
3	4.0	4.0	8.0	1.4118	43	42.7577
4	2.6	2.6	5.2	1.1394	38	37.7859
5	1.6	1.6	3.2	0.8951	30	29.8310

By Linear Regression of Y on X

Slope, m = 27.6043
 Correlation Coefficient* = 0.9949
 Calibration Accepted = Yes/No**

Intercept, b = 5.2357

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

 Remarks : _____

Calibrated by : Kit Au **Checked by** : Derek Lo
Date : 2-Oct-15 **Date** : 2-Oct-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA6a

Equipment no. : EL448

Calibration Date : 30-Nov-15

Calibration Due Date : 30-Jan-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	295	Kelvin	Pressure, P _a
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.6	6.6	13.2	1.8363	60	60.4737
2	5.3	5.3	10.6	1.6462	54	54.4263
3	4.5	4.5	9.0	1.5173	50	50.3947
4	2.6	2.6	5.2	1.1548	40	40.3158
5	1.5	1.5	3.0	0.8786	30	30.2368

By Linear Regression of Y on X

Slope, m = 30.9785 Intercept, b = 3.5936

Correlation Coefficient* = 0.9989

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 30-Nov-15

Checked by : Derek Lo

Date : 30-Nov-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : MA1e

Equipment no. : EL455

Calibration Date : 2-Oct-15

Calibration Due Date : 2-Dec-15

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition						
Temperature, T _a	301		Kelvin	Pressure, P _a	1012 mmHg	

Orifice Transfer Standard Information						
Equipment No.	EL086		Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15		$\left(H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16					

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.4	6.4	12.8	1.7842	58	57.6732
2	5.5	5.5	11.0	1.6544	52	51.7070
3	4.2	4.2	8.4	1.4465	46	45.7408
4	2.6	2.6	5.2	1.1394	38	37.7859
5	1.6	1.6	3.2	0.8951	30	29.8310

By Linear Regression of Y on X

Slope, m = 30.0584 Intercept, b = 2.9492

Correlation Coefficient* = 0.9970

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 2-Oct-15

Checked by : Derek Lo

Date : 2-Oct-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : MA1e **Calibration Date** : 30-Nov-15
Equipment no. : EL455 **Calibration Due Date** : 30-Jan-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition						
Temperature, T _a	295	Kelvin	Pressure, P _a	1019	mmHg	

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$\left(H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.2	6.2	12.4	1.7800	59	59.4658
2	5.4	5.4	10.8	1.6616	50	50.3947
3	4.0	4.0	8.0	1.4309	44	44.3474
4	2.5	2.5	5.0	1.1325	30	30.2368
5	1.5	1.5	3.0	0.8786	20	20.1579

By Linear Regression of Y on X

Slope, m = 42.0478 Intercept, b = -16.9673
 Correlation Coefficient* = 0.9948
 Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au **Checked by** : Derek Lo
Date : 30-Nov-15 **Date** : 30-Nov-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : MA1w Calibration Date : 2-Oct-15
 Equipment no. : EL080 Calibration Due Date : 2-Dec-15

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition						
Temperature, T _a	301		Kelvin	Pressure, P _a	1012 mmHg	

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$\left(H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.3	6.3	12.6	1.7702	58	57.6732
2	5.1	5.1	10.2	1.5933	50	49.7183
3	4.0	4.0	8.0	1.4118	42	41.7634
4	2.4	2.4	4.8	1.0949	32	31.8197
5	1.5	1.5	3.0	0.8669	25	24.8591

By Linear Regression of Y on X

Slope, m = 35.9011 Intercept, b = -7.2075

Correlation Coefficient* = 0.9959

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au Checked by : Derek Lo
 Date : 2-Oct-15 Date : 2-Oct-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : MA1w

Equipment no. : EL080

Calibration Date : 30-Nov-15

Calibration Due Date : 30-Jan-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	295	Kelvin	Pressure, P _a
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$\left(H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.5	6.5	13.0	1.8224	58	58.4579
2	5.2	5.2	10.4	1.6306	50	50.3947
3	4.0	4.0	8.0	1.4309	42	42.3316
4	2.5	2.5	5.0	1.1325	31	31.2447
5	1.5	1.5	3.0	0.8786	24	24.1895

By Linear Regression of Y on X

Slope, m = 36.5827 Intercept, b = -9.1241

Correlation Coefficient* = 0.9973

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 30-Nov-15

Checked by : Derek Lo

Date : 30-Nov-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : ACL1

Equipment no. : EL380

Calibration Date : 2-Oct-15

Calibration Due Date : 2-Dec-15

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition						
Temperature, T _a	301		Kelvin	Pressure, P _a	1012 mmHg	

Orifice Transfer Standard Information						
Equipment No.	EL086		Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15		$\left(\frac{H \times P_a}{1013.3 \times 298 / T_a} \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16					

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.5	6.5	13.0	1.7980	55	54.6901
2	5.3	5.3	10.6	1.6242	50	49.7183
3	4.0	4.0	8.0	1.4118	44	43.7521
4	2.5	2.5	5.0	1.1174	36	35.7972
5	1.6	1.6	3.2	0.8951	30	29.8310

By Linear Regression of Y on X

Slope, m = 27.4924 Intercept, b = 5.1126

Correlation Coefficient* = 0.9999

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 2-Oct-15

Checked by : Derek Lo

Date : 2-Oct-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : ACL1 **Calibration Date** : 30-Nov-15
Equipment no. : EL380 **Calibration Due Date** : 30-Jan-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition						
Temperature, T _a	295	Kelvin	Pressure, P _a	1019	mmHg	

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$\left(\frac{H \times P_a}{1013.3 \times 298 / T_a} \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.9	6.9	13.8	1.8775	56	56.4421
2	5.5	5.5	11.0	1.6768	50	50.3947
3	4.4	4.4	8.8	1.5005	46	46.3632
4	2.8	2.8	5.6	1.1982	38	38.3000
5	1.7	1.7	3.4	0.9349	30	30.2368

By Linear Regression of Y on X

Slope, m = 27.3339 Intercept, b = 5.0529
 Correlation Coefficient* = 0.9991
 Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au **Checked by** : Derek Lo
Date : 30-Nov-15 **Date** : 30-Nov-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : ACL2a

Equipment no. : EL111

Calibration Date : 2-Oct-15

Calibration Due Date : 2-Dec-15

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T_a	301	Kelvin	Pressure, P_a
			1012 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m_c	2.00072	Intercept, b_c	-0.01209
Last Calibration Date	30-Jun-15	$\left(H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q_{std} ($m^3 / min.$) X-axis	Continuous Flow Recorder, W (CFM)	IC $(W(P_a/1013.3 \times 298/T_a)^{1/2}/35.31)$ Y-axis
	(up)	(down)	(difference)			
1	6.4	6.4	12.8	1.7842	58	57.6732
2	5.2	5.2	10.4	1.6088	52	51.7070
3	3.9	3.9	7.8	1.3941	45	44.7465
4	2.4	2.4	4.8	1.0949	38	37.7859
5	1.6	1.6	3.2	0.8951	30	29.8310

By Linear Regression of Y on X

Slope, m = 30.2014 Intercept, b = 3.4129

Correlation Coefficient* = 0.9970

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 2-Oct-15

Checked by : Derek Lo

Date : 2-Oct-15



Lam Geotechnics Limited

Calibration Data for High Volume Sampler (TSP Sampler)

Location : ACL2a

Equipment no. : EL111

Calibration Date : 30-Nov-15

Calibration Due Date : 30-Jan-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	295	Kelvin	Pressure, P _a
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m _c	2.00072	Intercept, b _c	-0.01209
Last Calibration Date	30-Jun-15	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	30-Jun-16				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.2	6.2	12.4	1.7800	63	63.4974
2	4.9	4.9	9.8	1.5831	56	56.4421
3	3.8	3.8	7.6	1.3948	50	50.3947
4	2.4	2.4	4.8	1.1097	42	42.3316
5	1.4	1.4	2.8	0.8490	30	30.2368

By Linear Regression of Y on X

Slope, m = 34.5978 Intercept, b = 2.1043

Correlation Coefficient* = 0.9961

Calibration Accepted = Yes/No**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : _____

Calibrated by : Kit Au

Date : 30-Nov-15

Checked by : Derek Lo

Date : 30-Nov-15



Appendix 5.1

Monitoring Schedules for Reporting Month and Coming Reporting Month

Contract No. HK/2011/07
Wan Chai Development Phase II and Central-Wan Chai Bypass
Sampling, Field Measurement and Testing Works (Stage 2)

Environmental Monitoring Schedule
December 2015

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						28-Nov
29-Nov	30-Nov	1-Dec	2-Dec	3-Dec	4-Dec	5-Dec
		Noise (daytime)	24hr TSP	1hr TSP 24hr TSP (CMA5b)		
6-Dec	7-Dec	8-Dec	9-Dec	10-Dec	11-Dec	12-Dec
		Noise (daytime) (M1a, M8) 24hr TSP	Noise (daytime) (M7e, M7w) 1hr TSP		Noise (daytime) (M2b, M3a, M4b, M5b, M6)	
13-Dec	14-Dec	15-Dec	16-Dec	17-Dec	18-Dec	19-Dec
Noise (daytime) (M2b, M3a, M4b) 24hr TSP	Noise (daytime) (M1a, M7e, M7w) 1hr TSP	Noise (daytime) (M5b, M6)		24hr TSP	1hr TSP	
20-Dec	21-Dec	22-Dec	23-Dec	24-Dec	25-Dec	26-Dec
Noise (daytime) (M2b)	Noise (daytime) (M3a, M4b, M5b, M6)	24hr TSP	Noise (daytime) (M7e, M7w, M8) 1hr TSP			

**Tentative Environmental Monitoring Schedule
January 2015**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27-Dec	28-Dec	29-Dec	30-Dec	31-Dec	1-Jan	2-Jan
	Noise (daytime)	24hr TSP Noise (daytime)	1hr TSP			
3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	8-Jan	9-Jan
	24hr TSP Noise (daytime)	1hr TSP Noise (daytime)				24hr TSP
10-Jan	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan
	1hr TSP Noise (daytime)	Noise (daytime)			24hr TSP	1hr TSP
17-Jan	18-Jan	19-Jan	20-Jan	21-Jan	22-Jan	23-Jan
	Noise (daytime)	Noise (daytime)		24hr TSP	1hr TSP	
24-Jan	25-Jan	26-Jan				
	Noise (daytime)	Noise (daytime)				



Appendix 5.2

Noise Monitoring Results and Graphical Presentations



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: M1a - Harbour Road Sports Centre

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
01/12/15	10:20	Cloudy	89.0	94.5	78.5	72	89	75
08/12/15	16:18	Cloudy	83.6	86.5	78.5	72	83	75
15/12/15	13:27	Fine	84.0	85.5	78.0	72	84	75
23/12/15	13:42	Fine	84.5	85.5	83.0	72	84	75

Location: M2b - Noon-day gun area

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
01/12/15	13:00	Cloudy	69.6	70.5	67.5	68	65	75
11/12/15	14:05	Fine	68.8	70.0	66.0	68	63	75
14/12/15	10:17	Fine	69.3	70.0	67.0	68	64	75
21/12/15	10:20	Fine	68.5	70.0	66.5	68	61	75

Location: M3a - Tung Lo Wan Fire Station

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
01/12/15	13:40	Cloudy	67.5	68.6	65.5	69	68	75
11/12/15	15:05	Fine	65.8	67.5	62.0	69	66	75
14/12/15	13:45	Fine	65.8	67.0	64.0	69	66	75
22/12/15	8:00	Fine	67.2	68.0	65.5	69	67	75

Location: M4b - Victoria Centre

Date	Time	Weather	Measurement Noise Level			Baseline Noise Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30min)					
01/12/15	14:15	Cloudy	67.8	69.5	65.0	67	58	75
11/12/15	15:46	Fine	71.6	75.0	64.5	67	70	75
14/12/15	14:26	Fine	70.6	72.5	66.0	67	68	75
22/12/15	8:40	Fine	68.5	70.0	67.0	67	62	75

Location: M5b - City Garden

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30min)					
01/12/15	15:00	Cloudy	69.1	70.5	67.5	68	63	75
11/12/15	9:30	Fine	68.8	71.0	63.5	68	61	75
16/12/15	9:00	Fine	69.5	71.0	67.5	68	64	75
22/12/15	9:34	Fine	64.7	66.5	62.5	68	65	75

Location: M6 - HK Baptist Church Henrietta Secondary School

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
01/12/15	15:37	Cloudy	70.9	72.0	68.0	71	57	70
11/12/15	10:05	Fine	68.4	69.5	66.5	71	68	65
16/12/15	9:40	Fine	68.5	69.5	67.0	71	69	65
22/12/15	10:16	Fine	69.1	70.0	67.0	71	69	70



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: M7e - International Finance Centre (Eastern End of Podium) (Reference Station)

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
01/12/15	8:00	Cloudy	67.0	68.0	66.5	67	54	N/A
09/12/15	8:20	Cloudy	67.0	68.0	65.5	67	54	N/A
15/12/15	8:25	Fine	66.5	68.5	65.0	67	67	N/A
24/12/15	8:25	Fine	68.0	69.0	66.0	67	62	N/A

Location: M7w - International Finance Centre (Western End of Podium)

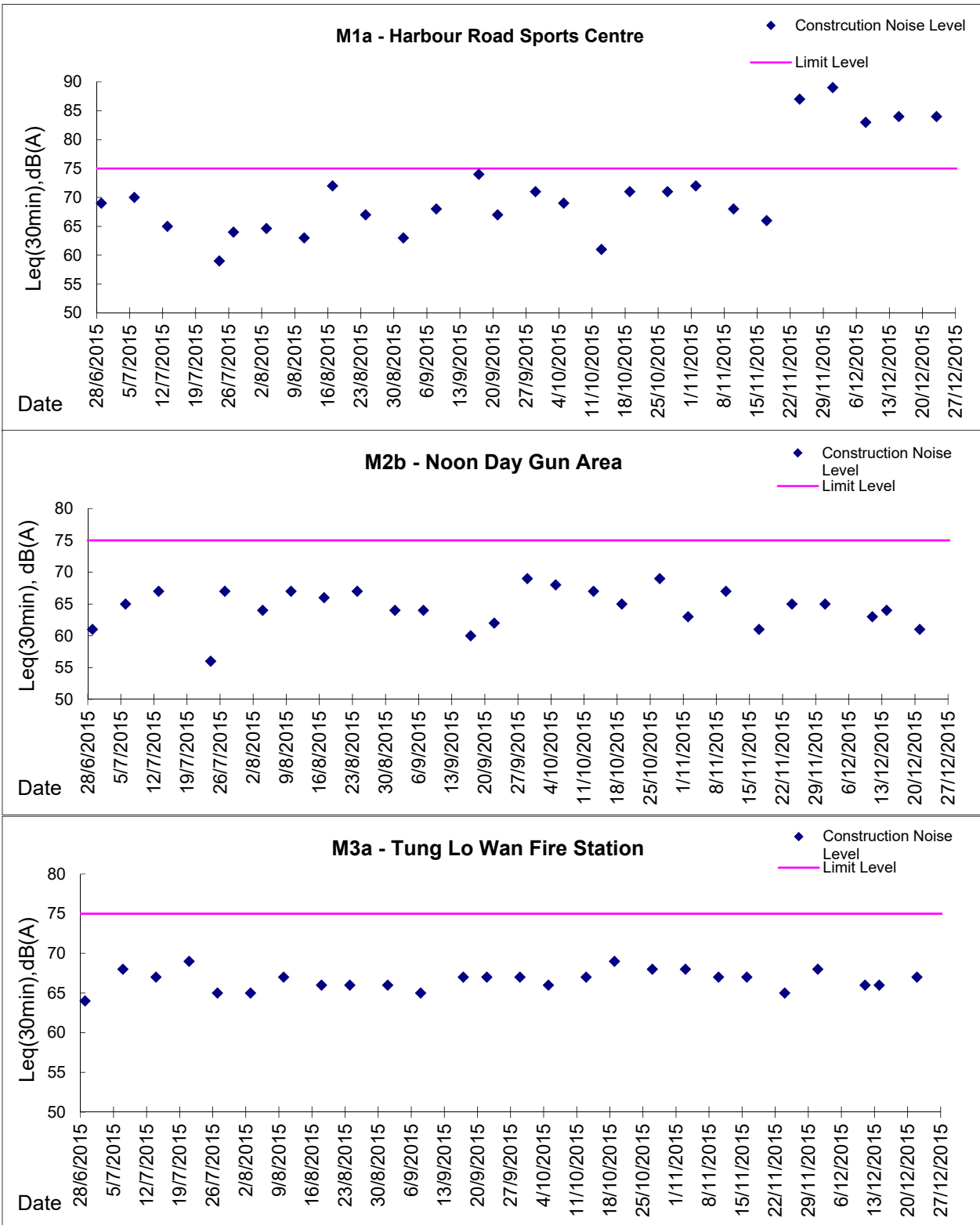
Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
01/12/15	8:33	Cloudy	66.5	67.5	65.0	69	67	75
09/12/15	9:21	Cloudy	66.5	68.0	64.0	69	67	75
15/12/15	9:30	Fine	65.0	66.0	64.0	69	65	75
24/12/15	9:30	Fine	66.0	67.5	64.5	69	66	75

Location: M8 - City Hall

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
01/12/15	9:15	Cloudy	64.0	66.5	59.5	64	64	70
08/12/15	15:32	Cloudy	61.6	63.0	57.5	64	62	70
15/12/15	10:20	Fine	64.5	66.0	63.0	64	55	70
24/12/15	10:30	Fine	64.0	65.0	63.0	64	64	70

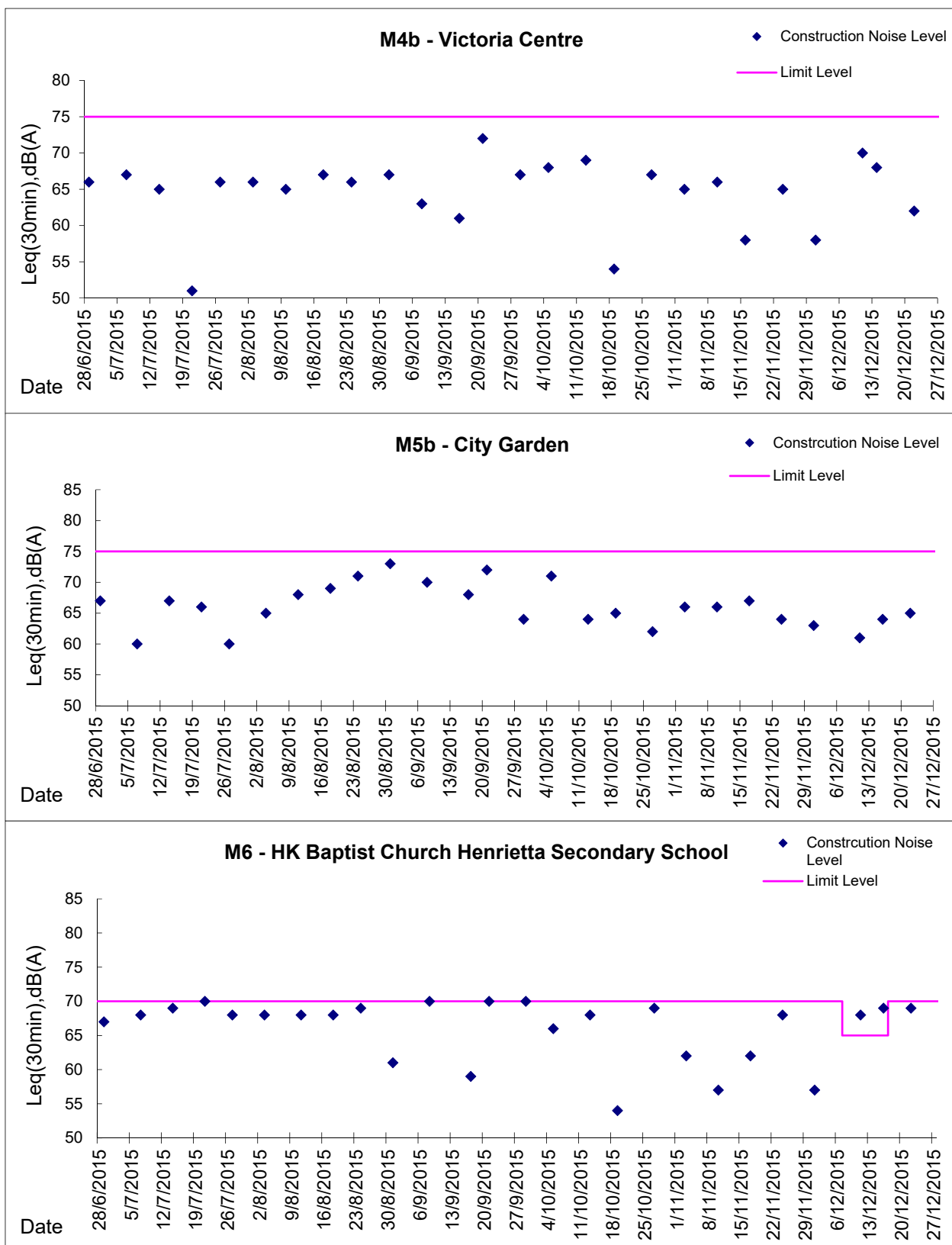
Graphic Presentation of Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

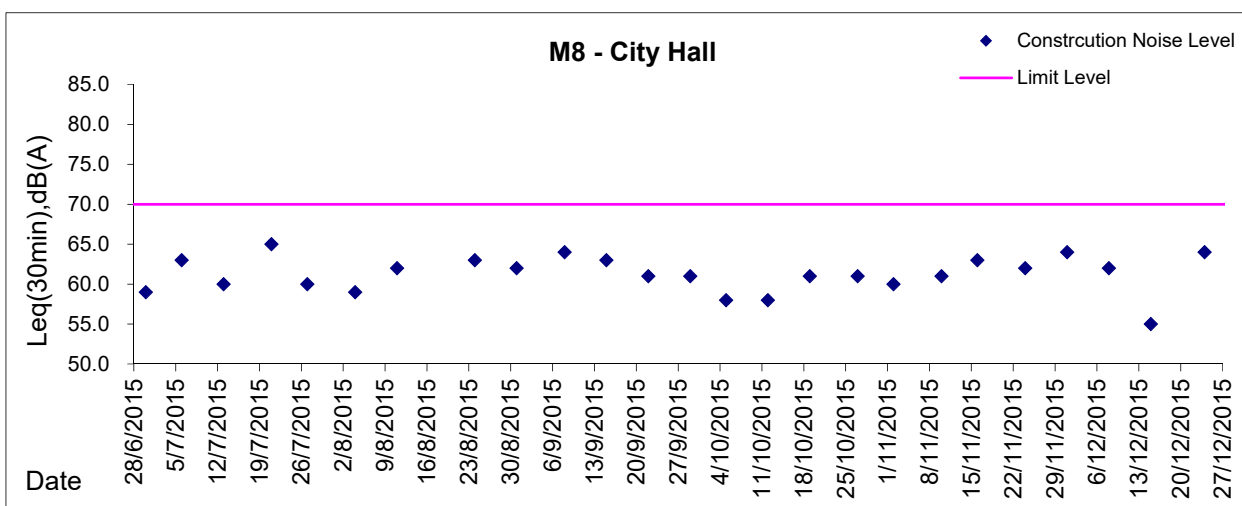
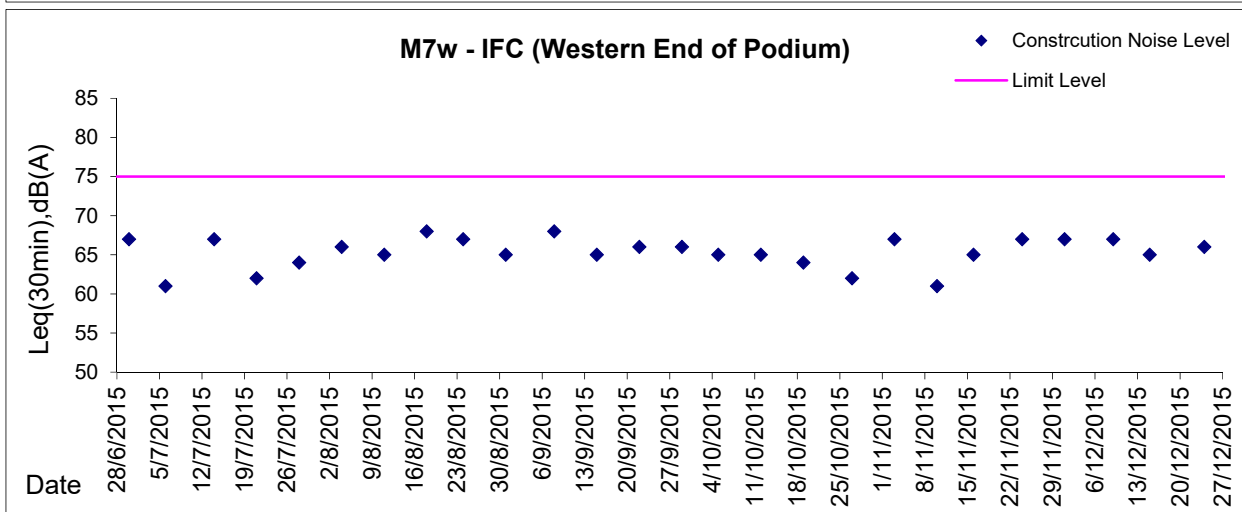
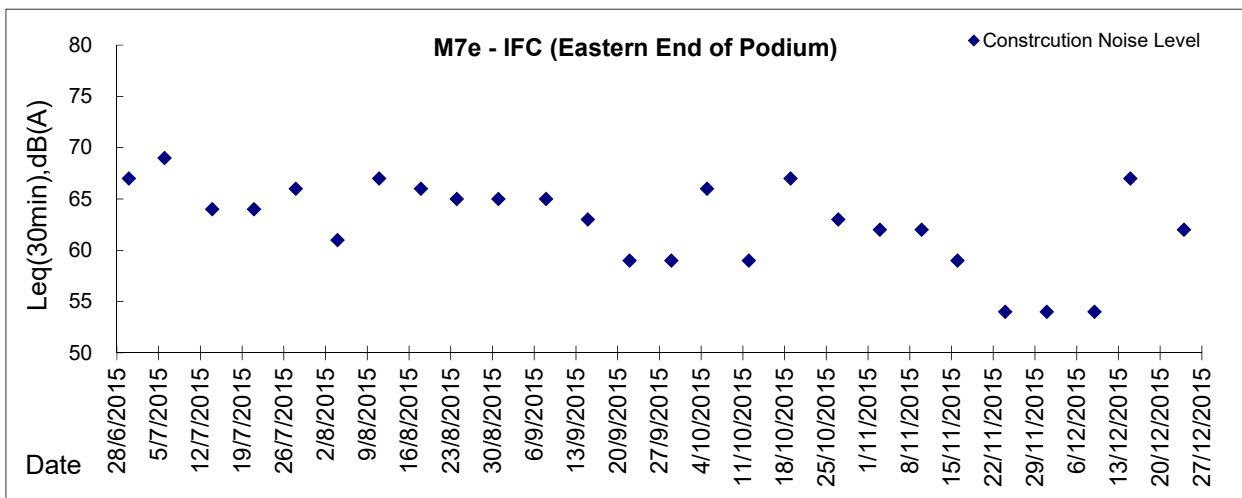


Graphic Presentation of Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)



Graphic Presentation of Noise Monitoring Result
Day Time (0700 - 1900hrs on normal weekdays)



* Remark: M7e - IFC (Eastern End of Podium) is a reference monitoring station



Appendix 5.3

Air Quality Monitoring Results and Graphical Presentations



Location: CMA1b - Oil Street Site Office

Report on 24-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 176.7

Limit Level ($\mu\text{g}/\text{m}^3$) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Dec-15	8:00	Cloudy	013881	2.8101	3.1082	7330.07	7354.07	24.00	1.27	1.28	1.27	1834	162.6
8-Dec-15	8:00	Cloudy	013987	2.8233	3.0409	7357.08	7381.08	24.00	1.28	1.28	1.28	1844	118.0
14-Dec-15	8:00	Cloudy	012443	2.8252	3.0146	7384.10	7408.10	24.00	1.28	1.28	1.28	1841	102.9
18-Dec-15	8:00	Fine	014176	2.8113	3.0920	7411.11	7435.11	24.00	1.29	1.29	1.29	1856	151.2
23-Dec-15	8:00	Cloudy	014057	2.8690	3.1845	7438.11	7462.11	24.00	1.27	1.27	1.27	1834	172.0

Report on 1-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 320.1

Limit Level ($\mu\text{g}/\text{m}^3$) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Dec-15	8:03	Cloudy	013998	2.8346	2.8431	7354.07	7355.07	1.00	1.28	1.28	1.28	77	111.1
3-Dec-15	9:07	Cloudy	013993	2.8415	2.8511	7355.07	7356.07	1.00	1.28	1.28	1.28	77	125.4
3-Dec-15	10:25	Cloudy	013990	2.8160	2.8259	7356.07	7357.07	1.00	1.28	1.28	1.28	77	129.4
9-Dec-15	8:03	Rainy	013982	2.8309	2.8400	7381.08	7382.08	1.00	1.28	1.28	1.28	77	118.5
9-Dec-15	9:35	Rainy	013978	2.8396	2.8488	7382.09	7383.09	1.00	1.28	1.28	1.28	77	119.8
9-Dec-15	11:00	Rainy	013975	2.8385	2.8477	7383.10	7384.10	1.00	1.28	1.28	1.28	77	119.8
15-Dec-15	8:06	Cloudy	013803	2.7996	2.8073	7408.10	7409.10	1.00	1.28	1.28	1.28	77	100.2
15-Dec-15	10:00	Cloudy	013800	2.7971	2.8062	7409.11	7410.11	1.00	1.28	1.28	1.28	77	118.4
15-Dec-15	13:00	Cloudy	014181	2.8347	2.8450	7410.11	7411.11	1.00	1.28	1.28	1.28	77	134.1
19-Dec-15	8:30	Fine	014172	2.8052	2.8163	7435.11	7436.11	1.00	1.29	1.29	1.29	77	143.7
19-Dec-15	9:40	Fine	014169	2.8181	2.8292	7436.11	7437.11	1.00	1.29	1.29	1.29	77	143.7
19-Dec-15	13:00	Fine	013623	2.8043	2.8151	7437.11	7438.11	1.00	1.29	1.29	1.29	77	139.8
24-Dec-15	8:05	Cloudy	014273	2.8968	2.9090	7462.11	7463.11	1.00	1.27	1.27	1.27	76	159.8
24-Dec-15	9:18	Cloudy	014104	2.8693	2.8808	7463.11	7464.11	1.00	1.27	1.27	1.27	76	150.6
24-Dec-15	10:29	Cloudy	014101	2.8922	2.9045	7464.11	7465.11	1.00	1.27	1.27	1.27	76	161.1



Location: CMA2a - Causeway Bay Community Centre

Report on 24-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 169.5

Limit Level ($\mu\text{g}/\text{m}^3$) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Dec-15	8:00	Cloudy	014002	2.8340	3.0494	16980.01	17004.01	24.00	1.22	1.22	1.22	1760	122.4
8-Dec-15	8:00	Cloudy	013838	2.8186	2.9782	17007.01	17031.01	24.00	1.23	1.23	1.23	1772	90.1
14-Dec-15	8:00	Cloudy	012441	2.8359	2.9214	17034.02	17058.02	24.00	1.11	1.12	1.12	1607	53.2
18-Dec-15	8:00	Fine	014208	2.8128	2.9332	17061.02	17085.02	24.00	1.13	1.12	1.13	1622	74.2
23-Dec-15	8:00	Cloudy	014217	2.8992	3.0877	17088.02	17112.02	24.00	1.22	1.22	1.22	1761	107.0

Report on 1-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 323.4

Limit Level ($\mu\text{g}/\text{m}^3$) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Dec-15	8:05	Cloudy	014003	2.8302	2.8358	17004.01	17005.01	1.00	1.22	1.22	1.22	73	76.2
3-Dec-15	9:19	Cloudy	013889	2.7999	2.8074	17005.01	17006.01	1.00	1.17	1.17	1.17	70	106.9
3-Dec-15	10:25	Cloudy	013842	2.8303	2.8402	17006.01	17007.01	1.00	1.22	1.22	1.22	73	134.7
9-Dec-15	8:05	Rainy	013983	2.8290	2.8356	17031.01	17032.01	1.00	1.23	1.23	1.23	74	89.5
9-Dec-15	9:24	Rainy	013828	2.8026	2.8099	17032.01	17033.01	1.00	1.23	1.23	1.23	74	99.0
9-Dec-15	10:53	Rainy	013832	2.8072	2.8148	17033.01	17034.01	1.00	1.23	1.23	1.23	74	103.0
15-Dec-15	8:30	Cloudy	013802	2.7994	2.8051	17058.02	17059.02	1.00	1.12	1.12	1.12	67	85.0
15-Dec-15	10:11	Cloudy	014199	2.8242	2.8304	17059.02	17060.02	1.00	1.12	1.12	1.12	67	92.4
15-Dec-15	13:00	Cloudy	014203	2.8285	2.8351	17060.02	17061.02	1.00	1.12	1.12	1.12	67	98.4
19-Dec-15	8:26	Fine	014183	2.8153	2.8244	17085.02	17086.02	1.00	1.24	1.24	1.24	74	122.5
19-Dec-15	9:37	Fine	014118	2.7981	2.8079	17086.02	17087.02	1.00	1.24	1.24	1.24	74	132.0
19-Dec-15	10:43	Fine	014114	2.8830	2.8937	17087.02	17088.02	1.00	1.24	1.24	1.24	74	144.1
24-Dec-15	8:05	Cloudy	014274	2.8653	2.8770	17112.02	17113.02	1.00	1.22	1.22	1.22	73	159.6
24-Dec-15	9:10	Cloudy	014269	2.8634	2.8729	17113.02	17114.02	1.00	1.22	1.22	1.22	73	129.6
24-Dec-15	10:15	Cloudy	014265	2.8732	2.8783	17114.02	17115.02	1.00	1.22	1.22	1.22	73	69.6



Location: CMA3a - CWB PRE Site Office Area

Report on 24-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 171

Limit Level ($\mu\text{g}/\text{m}^3$) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Dec-15	8:00	Cloudy	013877	2.8016	2.9747	4472.13	4496.13	24.00	1.26	1.27	1.26	1820	95.1
8-Dec-15	8:00	Cloudy	013986	2.8330	2.9714	4499.14	4523.14	24.00	1.27	1.27	1.27	1831	75.6
14-Dec-15	8:00	Cloudy	012442	2.8321	2.9429	4526.15	4550.15	24.00	1.22	1.22	1.22	1755	63.1
18-Dec-15	8:00	Fine	014175	2.8176	2.9965	4553.15	4577.15	24.00	1.33	1.33	1.33	1915	93.4
23-Dec-15	8:00	Cloudy	014058	2.8752	3.0630	4580.15	4604.15	24.00	1.32	1.31	1.31	1894	99.2

Report on 1-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 311.3

Limit Level ($\mu\text{g}/\text{m}^3$) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Dec-15	8:09	Cloudy	013995	2.8195	2.8267	4496.13	4497.13	1.00	1.18	1.18	1.18	71	101.9
3-Dec-15	9:35	Cloudy	013992	2.8306	2.8392	4497.13	4498.13	1.00	1.18	1.18	1.18	71	121.7
3-Dec-15	10:45	Cloudy	013989	2.8455	2.8524	4498.13	4499.13	1.00	1.18	1.18	1.18	71	97.7
9-Dec-15	8:30	Rainy	013980	2.8189	2.8242	4523.14	4524.14	1.00	1.18	1.18	1.18	71	74.7
9-Dec-15	10:00	Rainy	013977	2.8401	2.8500	4524.15	4525.15	1.00	1.18	1.18	1.18	71	139.6
9-Dec-15	13:00	Rainy	013974	2.8305	2.8379	4525.15	4526.15	1.00	1.18	1.18	1.18	71	104.3
15-Dec-15	10:49	Cloudy	014201	2.8330	2.8392	4550.15	4551.15	1.00	1.24	1.24	1.24	74	83.2
15-Dec-15	13:00	Cloudy	014180	2.8227	2.8296	4551.15	4552.15	1.00	1.24	1.24	1.24	74	92.6
15-Dec-15	14:18	Cloudy	014177	2.8244	2.8311	4552.15	4553.15	1.00	1.12	1.12	1.12	67	99.3
19-Dec-15	8:50	Fine	014171	2.7970	2.8056	4577.15	4578.15	1.00	1.25	1.25	1.25	75	114.8
19-Dec-15	10:00	Fine	014168	2.8192	2.8272	4578.15	4579.15	1.00	1.25	1.25	1.25	75	106.7
19-Dec-15	13:00	Fine	013622	2.8101	2.8213	4579.15	4580.15	1.00	1.25	1.25	1.25	75	149.4
24-Dec-15	8:45	Cloudy	014271	2.8895	2.9000	4604.15	4605.15	1.00	1.17	1.17	1.17	70	149.0
24-Dec-15	9:48	Cloudy	014103	2.8735	2.8816	4605.15	4606.15	1.00	1.23	1.23	1.23	74	109.5
24-Dec-15	10:52	Cloudy	014100	2.8751	2.8880	4606.15	4607.15	1.00	1.23	1.23	1.23	74	174.4



Location: CMA4a - SPCA

Report on 24-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 171.2

Limit Level ($\mu\text{g}/\text{m}^3$) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Dec-15	8:00	Cloudy	013882	2.8057	3.0262	21256.97	21280.97	24.00	1.31	1.32	1.31	1893	116.5
8-Dec-15	8:00	Cloudy	013837	2.7988	2.9759	21283.98	21307.98	24.00	1.32	1.32	1.32	1903	93.0
14-Dec-15	8:00	Cloudy	012440	2.8313	2.9857	21310.99	21334.99	24.00	1.32	1.32	1.32	1900	81.3
18-Dec-15	8:00	Fine	013849	2.8358	3.0596	21338.00	21362.00	24.00	1.33	1.33	1.33	1915	116.8
23-Dec-15	8:00	Cloudy	014218	2.8836	3.1426	21365.00	21389.00	24.00	1.32	1.31	1.31	1894	136.8

Report on 1-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 312.5

Limit Level ($\mu\text{g}/\text{m}^3$) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Dec-15	8:05	Cloudy	013997	2.8169	2.8255	21280.98	21281.98	1.00	1.32	1.32	1.32	79	108.9
3-Dec-15	9:41	Cloudy	013845	2.8296	2.8390	21281.98	21282.98	1.00	1.32	1.32	1.32	79	119.0
3-Dec-15	10:44	Cloudy	013841	2.8275	2.8363	21282.98	21283.98	1.00	1.32	1.32	1.32	79	111.4
9-Dec-15	8:30	Rainy	013981	2.8083	2.8182	21307.99	21308.99	1.00	1.32	1.32	1.32	79	124.9
9-Dec-15	10:00	Rainy	013829	2.8063	2.8161	21308.99	21309.99	1.00	1.32	1.32	1.32	79	123.7
9-Dec-15	13:00	Rainy	013833	2.8016	2.8102	21309.99	21310.99	1.00	1.32	1.32	1.32	79	108.5
15-Dec-15	10:38	Cloudy	014200	2.8152	2.8225	21334.99	21335.99	1.00	1.32	1.32	1.32	79	92.1
15-Dec-15	13:00	Cloudy	014204	2.8274	2.8366	21335.99	21336.99	1.00	1.32	1.32	1.32	79	116.0
15-Dec-15	14:04	Cloudy	014206	2.8314	2.8407	21337.00	21338.00	1.00	1.32	1.32	1.32	79	117.3
19-Dec-15	8:49	Fine	013821	2.8029	2.8182	21362.00	21363.00	1.00	1.33	1.33	1.33	80	192.0
19-Dec-15	9:57	Fine	014117	2.8062	2.8175	21363.00	21364.00	1.00	1.33	1.33	1.33	80	141.8
19-Dec-15	13:00	Fine	014113	2.8978	2.9090	21364.00	21365.00	1.00	1.33	1.33	1.33	80	140.6
24-Dec-15	8:30	Cloudy	014272	2.8818	2.8919	21389.00	21390.00	1.00	1.31	1.31	1.31	79	128.1
24-Dec-15	9:33	Cloudy	014268	2.8741	2.8856	21390.00	21391.00	1.00	1.31	1.31	1.31	79	145.9
24-Dec-15	10:45	Cloudy	014264	2.8794	2.8901	21391.00	21392.00	1.00	1.31	1.31	1.31	79	135.7

Location: CMA5b - Pedestrian Plaza

Report on 24-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 181

Limit Level ($\mu\text{g}/\text{m}^3$) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Dec-15	11:58	Cloudy	013836	2.8100	2.9518	5789.99	5813.99	24.00	0.73	0.73	0.73	1054	134.5
8-Dec-15	8:00	Cloudy	013996	2.8359	2.9101	5813.99	5837.99	24.00	0.74	0.74	0.74	1061	69.9
14-Dec-15	8:00	Cloudy	013973	2.8487	2.9772	5841.02	5865.02	24.00	0.73	0.74	0.73	1057	121.6
18-Dec-15	8:00	Fine	014209	2.8304	3.0206	5868.03	5892.03	24.00	0.75	0.74	0.75	1075	176.9
23-Dec-15	8:00	Cloudy	012444	2.8262	3.0139	5895.03	5919.03	24.00	0.73	0.73	0.73	1049	178.9

Remarks: Due to interruption of electricity supply, the 24hr TSP was rescheduled from 2 December 2015 to 3 December 2015.

Report on 1-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 332

Limit Level ($\mu\text{g}/\text{m}^3$) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Dec-15	8:25	Cloudy	013994	2.8308	2.8381	5786.98	5787.98	1.00	0.73	0.73	0.73	44	166.6
3-Dec-15	9:50	Cloudy	013844	2.8170	2.8258	5787.98	5788.98	1.00	0.73	0.73	0.73	44	200.8
3-Dec-15	10:55	Cloudy	013840	2.8341	2.8451	5788.98	5789.98	1.00	0.73	0.73	0.73	44	251.0
9-Dec-15	8:45	Rainy	013979	2.8290	2.8374	5837.99	5838.99	1.00	0.74	0.74	0.74	44	190.4
9-Dec-15	10:19	Rainy	013830	2.8173	2.8247	5839.02	5840.02	1.00	0.74	0.74	0.74	44	167.8
9-Dec-15	13:15	Rainy	013834	2.7957	2.8050	5840.02	5841.02	1.00	0.74	0.74	0.74	44	210.8
15-Dec-15	8:45	Cloudy	013801	2.7988	2.8058	5865.02	5866.02	1.00	0.74	0.74	0.74	44	158.4
15-Dec-15	10:55	Cloudy	014182	2.8190	2.8265	5866.03	5867.03	1.00	0.74	0.74	0.74	44	169.7
15-Dec-15	13:00	Cloudy	014205	2.8143	2.8210	5867.03	5868.03	1.00	0.74	0.74	0.74	44	151.6
19-Dec-15	9:05	Fine	013822	2.7932	2.8016	5892.03	5893.03	1.00	0.74	0.74	0.74	45	188.1
19-Dec-15	10:14	Fine	014116	2.8404	2.8491	5893.03	5894.03	1.00	0.74	0.74	0.74	45	194.8
19-Dec-15	13:00	Fine	014112	2.9012	2.9100	5894.03	5895.03	1.00	0.74	0.74	0.74	45	197.1
24-Dec-15	8:50	Cloudy	014270	2.8795	2.8888	5919.03	5920.03	1.00	0.73	0.73	0.73	44	213.2
24-Dec-15	9:53	Cloudy	014267	2.8836	2.8951	5920.03	5921.03	1.00	0.79	0.79	0.79	48	241.4
24-Dec-15	10:56	Cloudy	014263	2.8928	2.9042	5921.03	5922.03	1.00	0.79	0.79	0.79	48	239.3



Location: MA1e - International Finance Centre (Eastern Wing)

Report on 24-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 173.4

Limit Level ($\mu\text{g}/\text{m}^3$) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Dec-15	8:00	Cloudy	013876	2.8142	2.9600	17940.66	17964.66	24.00	1.28	1.28	1.28	1840	79.2
8-Dec-15	8:00	Cloudy	013864	2.8385	2.9548	17967.66	17991.66	24.00	1.28	1.28	1.28	1849	62.9
14-Dec-15	8:00	Cloudy	013861	2.8625	2.9972	17994.67	18018.67	24.00	1.28	1.28	1.28	1846	73.0
18-Dec-15	8:00	Fine	014211	2.7929	2.9143	18021.67	18045.67	24.00	1.29	1.29	1.29	1859	65.3
23-Dec-15	8:00	Cloudy	013620	2.8009	2.9640	18048.67	18072.67	24.00	1.28	1.28	1.28	1841	88.6

Report on 1-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 325.1

Limit Level ($\mu\text{g}/\text{m}^3$) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Dec-15	8:03	Cloudy	013873	2.7823	2.7887	17964.66	17965.66	1.00	1.28	1.28	1.28	77	83.4
3-Dec-15	9:10	Cloudy	013870	2.8079	2.8117	17965.66	17966.66	1.00	1.28	1.28	1.28	77	49.5
3-Dec-15	10:17	Cloudy	013867	2.7995	2.8077	17966.66	17967.66	1.00	1.28	1.28	1.28	77	106.8
9-Dec-15	8:05	Rainy	013808	2.7999	2.8072	17991.66	17992.66	1.00	1.38	1.38	1.38	83	88.5
9-Dec-15	9:09	Rainy	013810	2.7979	2.8051	17992.66	17993.66	1.00	1.38	1.38	1.38	83	87.3
9-Dec-15	10:14	Rainy	013818	2.8047	2.8109	17993.66	17994.66	1.00	1.38	1.38	1.38	83	75.1
15-Dec-15	8:03	Cloudy	013858	2.8403	2.8471	18018.67	18019.67	1.00	1.28	1.28	1.28	77	88.3
15-Dec-15	9:10	Cloudy	013855	2.8399	2.8452	18019.67	18020.67	1.00	1.28	1.28	1.28	77	68.8
15-Dec-15	10:13	Cloudy	013852	2.8360	2.8435	18020.67	18021.67	1.00	1.28	1.28	1.28	77	97.4
19-Dec-15	8:06	Fine	013848	2.8386	2.8438	18045.67	18046.67	1.00	1.29	1.29	1.29	77	67.2
19-Dec-15	9:12	Fine	014224	2.8667	2.8692	18046.67	18047.67	1.00	1.29	1.29	1.29	77	32.3
19-Dec-15	10:20	Fine	014221	2.8865	2.8938	18047.67	18048.67	1.00	1.29	1.29	1.29	77	94.4
24-Dec-15	8:03	Cloudy	013815	2.7954	2.7991	18072.67	18073.67	1.00	1.32	1.32	1.32	79	46.6
24-Dec-15	9:08	Cloudy	014216	2.8943	2.8969	18073.67	18074.67	1.00	1.28	1.28	1.28	77	33.9
24-Dec-15	10:14	Cloudy	014213	2.8317	2.8422	18074.67	18075.67	1.00	1.28	1.28	1.28	77	137.0



Location: MA1w - International Finance Centre (Western Wing)

Report on 24-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 173.4

Limit Level ($\mu\text{g}/\text{m}^3$) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Dec-15	8:00	Cloudy	013875	2.7910	2.9388	17965.02	17989.02	24.00	1.25	1.26	1.25	1806	81.8
8-Dec-15	8:00	Cloudy	013863	2.8376	2.9436	17992.02	18016.02	24.00	1.26	1.26	1.26	1816	58.4
14-Dec-15	8:00	Cloudy	013860	2.8510	2.9744	18019.03	18043.03	24.00	1.26	1.26	1.26	1813	68.1
18-Dec-15	8:00	Fine	014212	2.8072	2.9292	18046.03	18070.03	24.00	1.27	1.27	1.27	1827	66.8
23-Dec-15	8:00	Cloudy	013619	2.8065	2.9800	18073.03	18097.03	24.00	1.26	1.25	1.25	1807	96.0

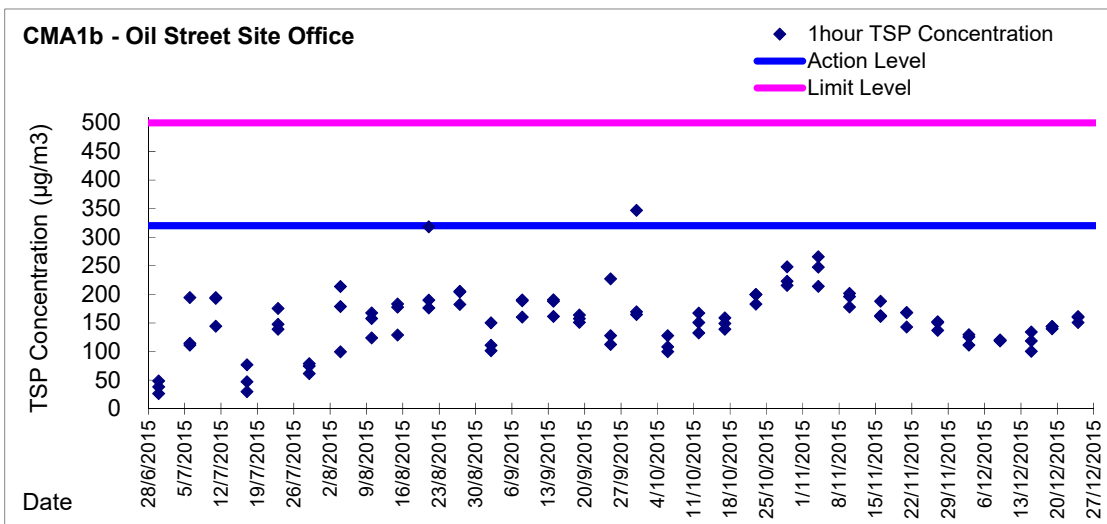
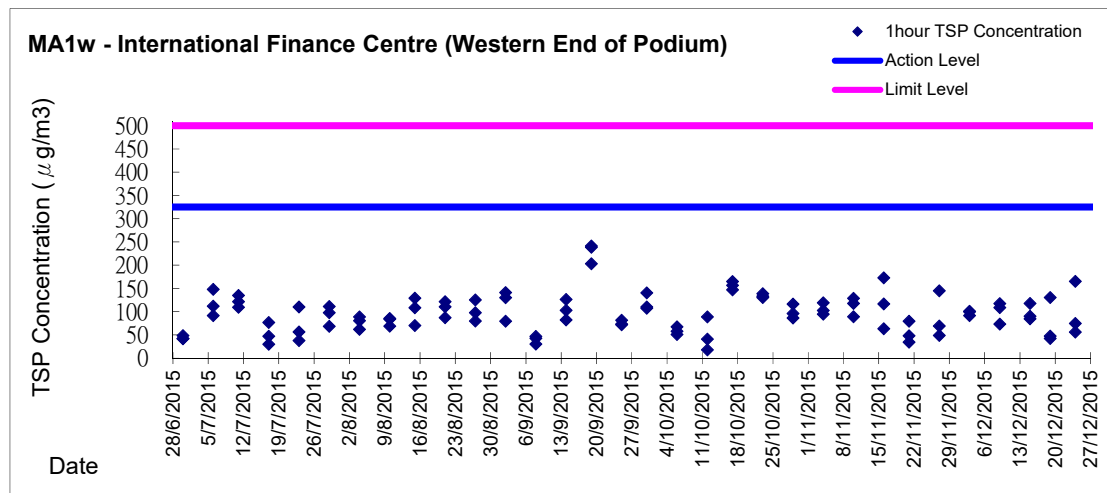
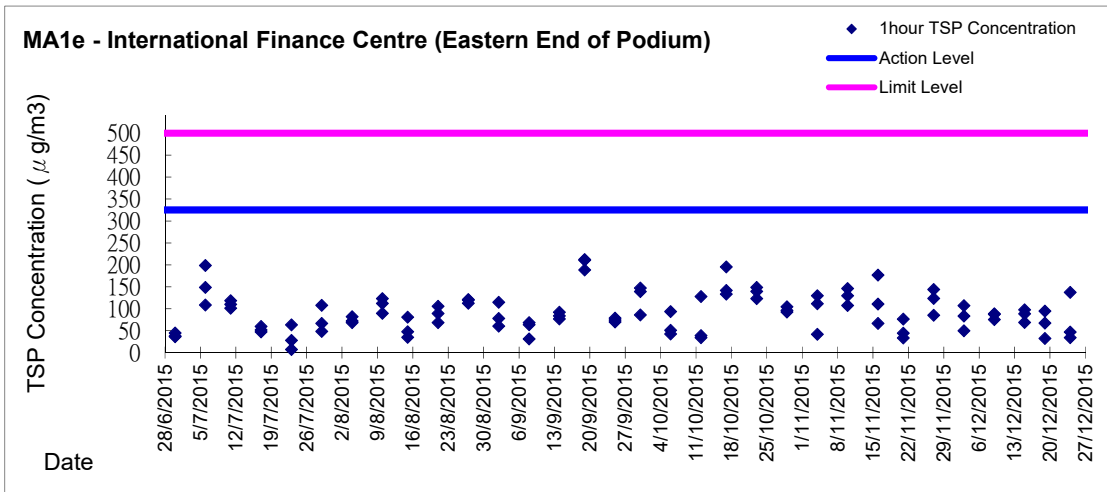
Report on 1-hour TSP monitoring

Action Level ($\mu\text{g}/\text{m}^3$) - 325.1

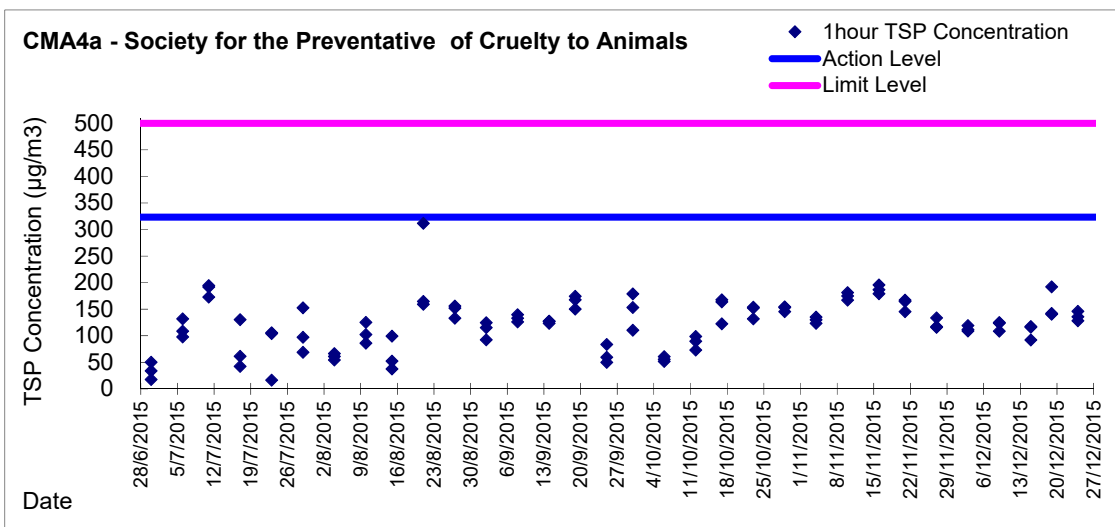
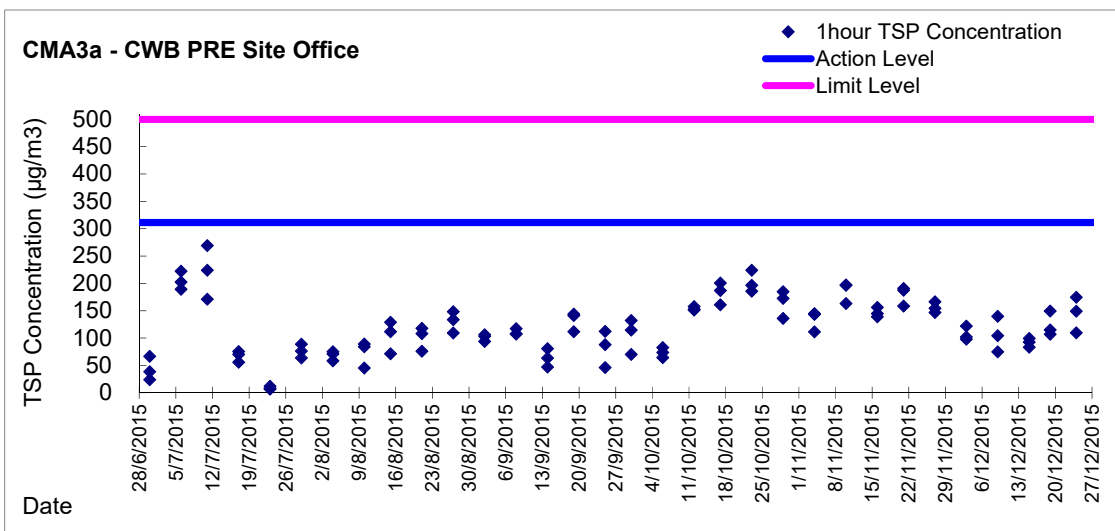
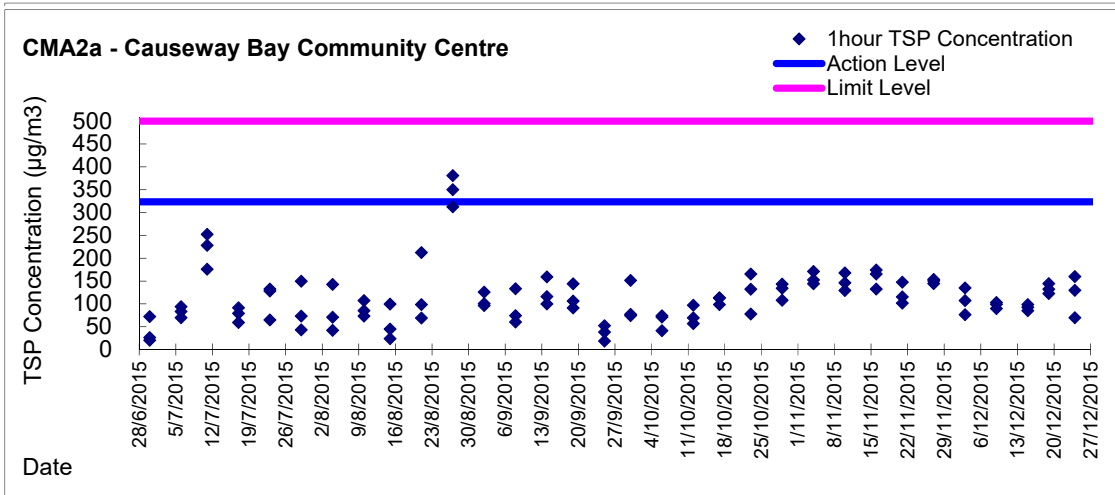
Limit Level ($\mu\text{g}/\text{m}^3$) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Dec-15	8:05	Cloudy	013872	2.7937	2.8012	17989.02	17990.02	1.00	1.26	1.26	1.26	75	99.5
3-Dec-15	9:08	Cloudy	013869	2.8075	2.8144	17990.02	17991.02	1.00	1.26	1.26	1.26	75	91.5
3-Dec-15	10:15	Cloudy	013866	2.8193	2.8269	17991.02	17992.02	1.00	1.26	1.26	1.26	75	100.8
9-Dec-15	8:05	Rainy	013809	2.7926	2.8022	18016.02	18017.02	1.00	1.37	1.37	1.37	82	117.1
9-Dec-15	9:08	Rainy	013811	2.7957	2.8017	18017.02	18018.02	1.00	1.37	1.37	1.37	82	73.2
9-Dec-15	10:12	Rainy	013817	2.8062	2.8151	18018.02	18019.02	1.00	1.37	1.37	1.37	82	108.6
15-Dec-15	8:25	Cloudy	013857	2.8471	2.8539	18043.03	18044.03	1.00	1.26	1.26	1.26	76	89.9
15-Dec-15	9:28	Cloudy	013854	2.8365	2.8429	18044.03	18045.03	1.00	1.26	1.26	1.26	76	84.6
15-Dec-15	10:32	Cloudy	013851	2.8342	2.8431	18045.03	18046.03	1.00	1.26	1.26	1.26	76	117.6
19-Dec-15	8:05	Fine	013847	2.8246	2.8282	18070.03	18071.03	1.00	1.27	1.27	1.27	76	47.3
19-Dec-15	9:09	Fine	014223	2.8802	2.8834	18071.03	18072.03	1.00	1.27	1.27	1.27	76	42.1
19-Dec-15	10:19	Fine	014220	2.8776	2.8875	18072.03	18073.03	1.00	1.27	1.27	1.27	76	130.2
24-Dec-15	8:05	Cloudy	013814	2.8200	2.8256	18097.03	18098.03	1.00	1.25	1.25	1.25	75	74.4
24-Dec-15	9:08	Cloudy	014215	2.8830	2.8872	18098.03	18099.03	1.00	1.25	1.25	1.25	75	55.8
24-Dec-15	10:12	Cloudy	014304	2.9094	2.9218	18099.03	18100.03	1.00	1.25	1.25	1.25	75	164.9

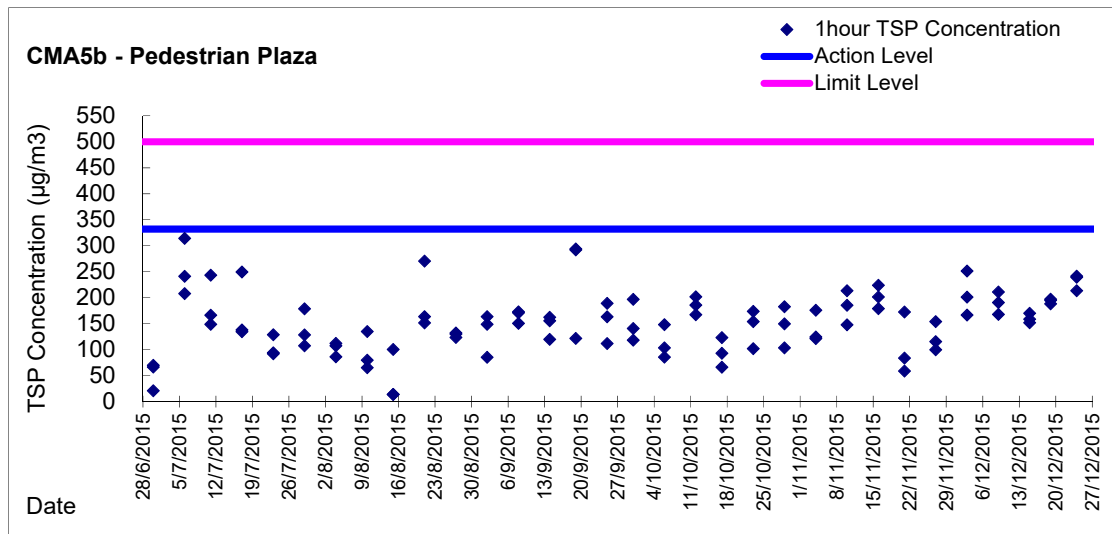
Graphic Presentation of 1 hour TSP Result



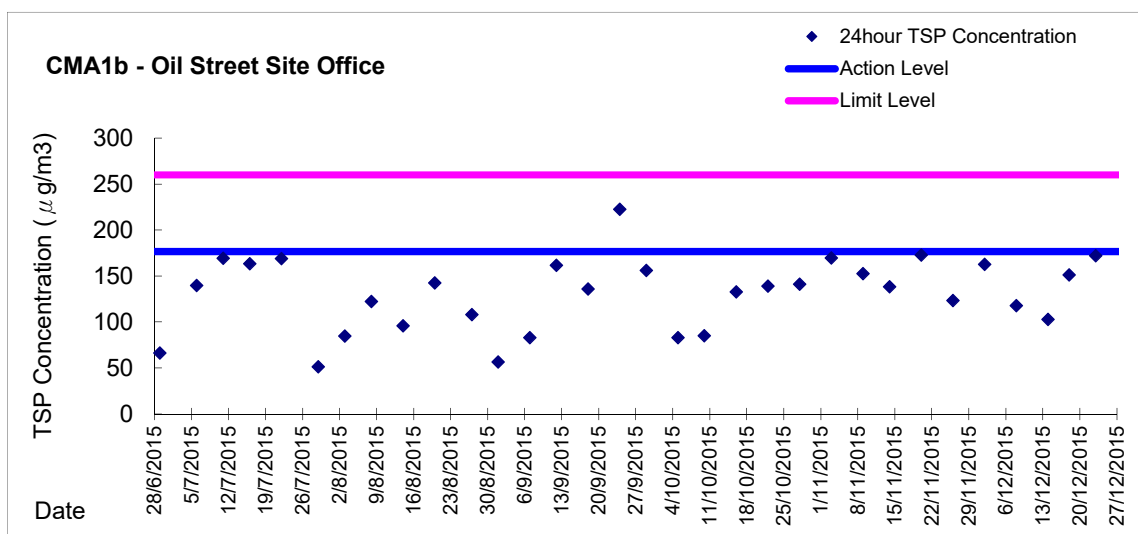
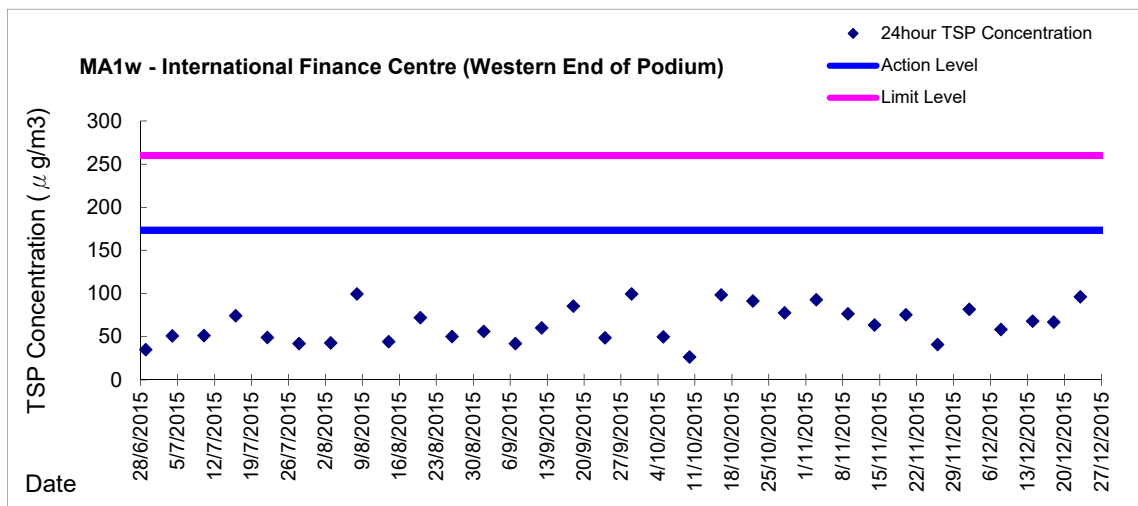
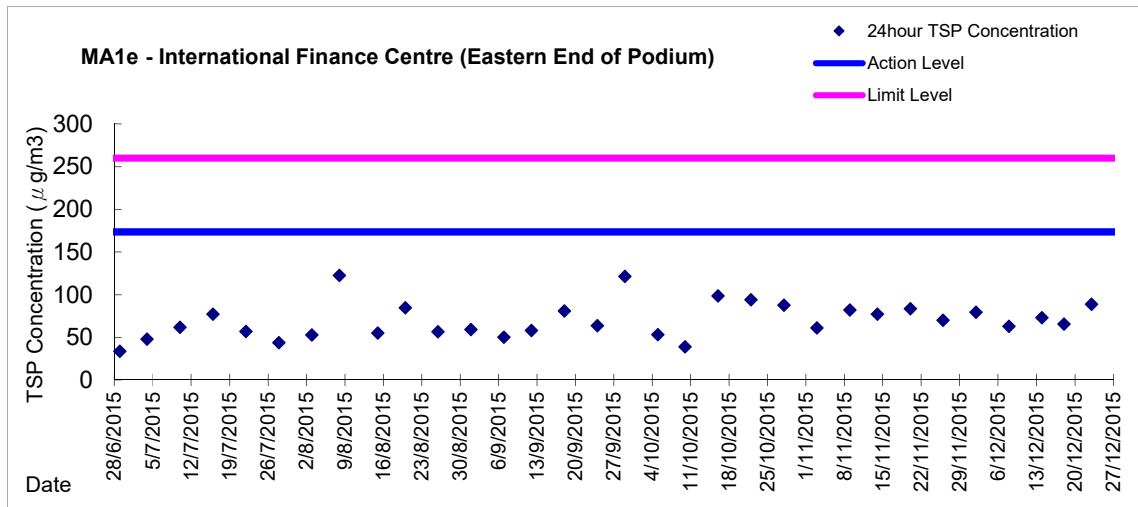
Graphic Presentation of 1 hour TSP Result



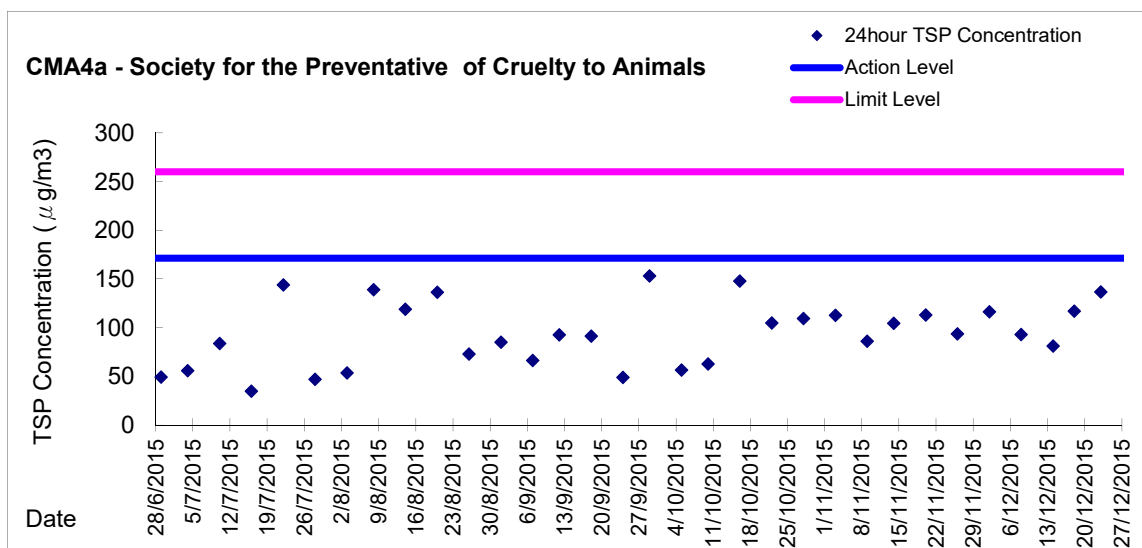
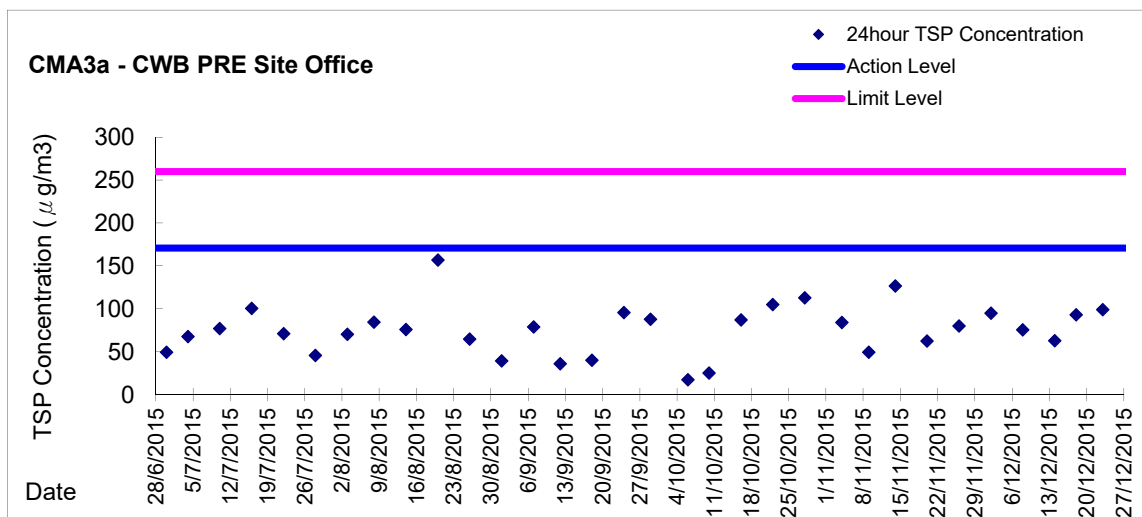
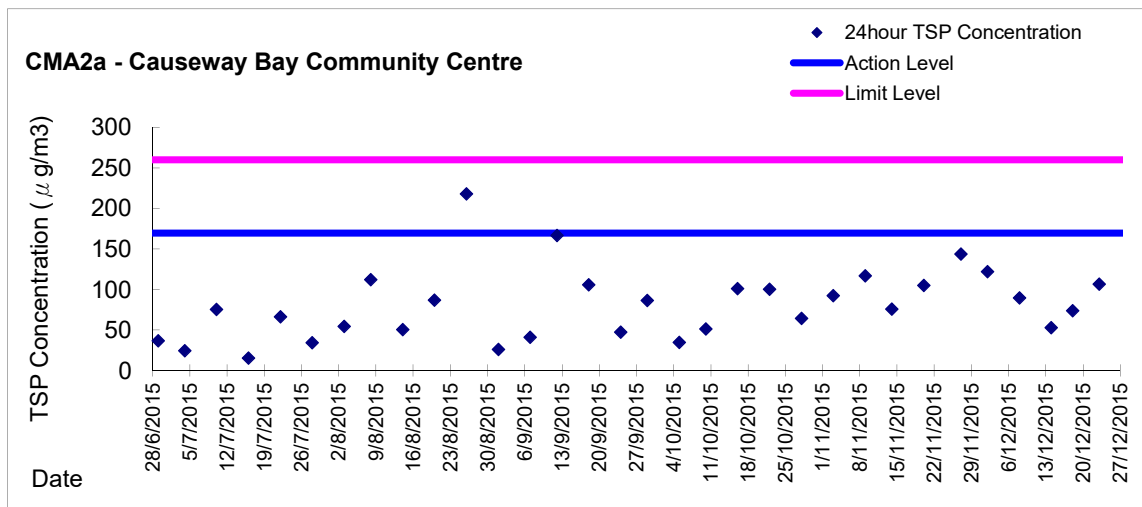
Graphic Presentation of 1 hour TSP Result



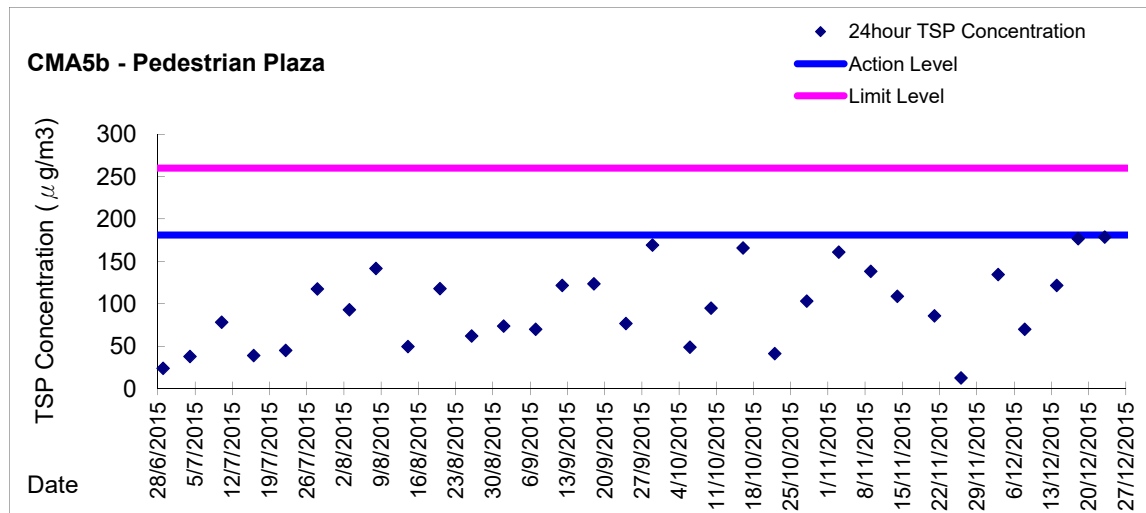
Graphic Presentation of 24 hour TSP Result



Graphic Presentation of 24 hour TSP Result



Graphic Presentation of 24 hour TSP Result





Appendix 5.4

Real Time Noise Monitoring Results and Graphical Presentations

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
Normal Day 07:00-19:00		3/12/2015 12:31	65	9/12/2015 7:01	65	14/12/2015 13:31	67	19/12/2015 8:01	66	24/12/2015 14:31	66
28/11/2015 7:01	63	3/12/2015 13:01	67	9/12/2015 7:31	66	14/12/2015 14:01	67	19/12/2015 8:31	66	24/12/2015 15:01	65
28/11/2015 7:31	65	3/12/2015 13:31	67	9/12/2015 8:01	65	14/12/2015 14:31	68	19/12/2015 9:01	66	24/12/2015 15:31	65
28/11/2015 8:01	66	3/12/2015 14:01	68	9/12/2015 8:31	66	14/12/2015 15:01	66	19/12/2015 9:31	66	24/12/2015 16:01	65
28/11/2015 8:31	67	3/12/2015 14:31	67	9/12/2015 9:01	66	14/12/2015 15:31	66	19/12/2015 10:01	66	24/12/2015 16:31	65
28/11/2015 9:01	66	3/12/2015 15:01	67	9/12/2015 9:31	67	14/12/2015 16:01	66	19/12/2015 10:31	67	24/12/2015 17:01	65
28/11/2015 9:31	67	3/12/2015 15:31	66	9/12/2015 10:01	67	14/12/2015 16:31	66	19/12/2015 11:01	66	24/12/2015 17:31	64
28/11/2015 10:01	67	3/12/2015 16:01	67	9/12/2015 10:31	67	14/12/2015 17:01	66	19/12/2015 11:31	66	24/12/2015 18:01	65
28/11/2015 10:31	67	3/12/2015 16:31	68	9/12/2015 11:01	68	14/12/2015 17:31	65	19/12/2015 12:01	65	24/12/2015 18:31	65
28/11/2015 11:01	67	3/12/2015 17:01	66	9/12/2015 11:31	68	14/12/2015 18:01	64	19/12/2015 12:31	65	<u>Normal Day 19:00-23:00</u> <u>Sunday & Holiday</u> <u>07:00-23:00</u>	
28/11/2015 11:31	65	3/12/2015 17:31	64	9/12/2015 12:01	66	14/12/2015 18:31	63	19/12/2015 13:01	66		
28/11/2015 12:01	64	3/12/2015 18:01	64	9/12/2015 12:31	67	15/12/2015 7:01	64	19/12/2015 13:31	66		
28/11/2015 12:31	65	3/12/2015 18:31	64	9/12/2015 13:01	67	15/12/2015 7:31	65	19/12/2015 14:01	66	28/11/2015 19:01	64
28/11/2015 13:01	66	4/12/2015 7:01	64	9/12/2015 13:31	69	15/12/2015 8:01	65	19/12/2015 14:31	65	28/11/2015 19:31	65
28/11/2015 13:31	66	4/12/2015 7:31	65	9/12/2015 14:01	69	15/12/2015 8:31	65	19/12/2015 15:01	65	28/11/2015 20:01	63
28/11/2015 14:01	66	4/12/2015 8:01	66	9/12/2015 14:31	69	15/12/2015 9:01	66	19/12/2015 15:31	65	28/11/2015 20:31	63
28/11/2015 14:31	66	4/12/2015 8:31	66	9/12/2015 15:01	67	15/12/2015 9:31	66	19/12/2015 16:01	65	28/11/2015 21:01	63
28/11/2015 15:01	65	4/12/2015 9:01	67	9/12/2015 15:31	67	15/12/2015 10:01	65	19/12/2015 16:31	65	28/11/2015 21:31	63
28/11/2015 15:31	65	4/12/2015 9:31	67	9/12/2015 16:01	67	15/12/2015 10:31	65	19/12/2015 17:01	65	28/11/2015 22:01	63
28/11/2015 16:01	65	4/12/2015 10:01	67	9/12/2015 16:31	68	15/12/2015 11:01	67	19/12/2015 17:31	66	28/11/2015 22:31	63
28/11/2015 16:31	67	4/12/2015 10:31	66	9/12/2015 17:01	67	15/12/2015 11:31	67	19/12/2015 18:01	64	28/11/2015 23:01	63
28/11/2015 17:01	65	4/12/2015 11:01	66	9/12/2015 17:31	66	15/12/2015 12:01	65	19/12/2015 18:31	64	28/11/2015 23:31	63
28/11/2015 17:31	66	4/12/2015 11:31	65	9/12/2015 18:01	66	15/12/2015 12:31	65	21/12/2015 7:01	65	28/11/2015 24:01	64
28/11/2015 18:01	64	4/12/2015 12:01	65	9/12/2015 18:31	70	15/12/2015 13:01	67	21/12/2015 7:31	66	28/11/2015 24:31	64
28/11/2015 18:31	64	4/12/2015 12:31	66	10/12/2015 7:01	66	15/12/2015 13:31	67	21/12/2015 8:01	66	28/11/2015 25:01	63
30/11/2015 7:01	64	4/12/2015 13:01	67	10/12/2015 7:31	67	15/12/2015 14:01	66	21/12/2015 8:31	65	28/11/2015 25:31	63
30/11/2015 7:31	65	4/12/2015 13:31	68	10/12/2015 8:01	67	15/12/2015 14:31	66	21/12/2015 9:01	65	28/11/2015 26:01	63
30/11/2015 8:01	65	4/12/2015 14:01	66	10/12/2015 8:31	67	15/12/2015 15:01	66	21/12/2015 9:31	66	28/11/2015 26:31	63
30/11/2015 8:31	67	4/12/2015 14:31	66	10/12/2015 9:01	67	15/12/2015 15:31	65	21/12/2015 10:01	66	28/11/2015 27:01	63
30/11/2015 9:01	67	4/12/2015 15:01	66	10/12/2015 9:31	69	15/12/2015 16:01	66	21/12/2015 10:31	67	28/11/2015 27:31	63
30/11/2015 9:31	67	4/12/2015 15:31	65	10/12/2015 10:01	69	15/12/2015 16:31	66	21/12/2015 11:01	66	28/11/2015 28:01	63
30/11/2015 10:01	67	4/12/2015 16:01	66	10/12/2015 10:31	69	15/12/2015 17:01	66	21/12/2015 11:31	66	28/11/2015 28:31	63
30/11/2015 10:31	67	4/12/2015 16:31	65	10/12/2015 11:01	70	15/12/2015 17:31	65	21/12/2015 12:01	65	28/11/2015 29:01	63
30/11/2015 11:01	67	4/12/2015 17:01	64	10/12/2015 11:31	68	15/12/2015 18:01	65	21/12/2015 12:31	64	28/11/2015 29:31	63
30/11/2015 11:31	66	4/12/2015 17:31	64	10/12/2015 12:01	67	15/12/2015 18:31	65	21/12/2015 13:01	66	28/11/2015 30:01	63
30/11/2015 12:01	65	4/12/2015 18:01	64	10/12/2015 12:31	66	16/12/2015 7:01	64	21/12/2015 13:31	67	28/11/2015 30:31	63
30/11/2015 12:31	65	4/12/2015 18:31	63	10/12/2015 13:01	68	16/12/2015 7:31	65	21/12/2015 14:01	66	28/11/2015 31:01	63
30/11/2015 13:01	66	5/12/2015 7:01	63	10/12/2015 13:31	68	16/12/2015 8:01	65	21/12/2015 14:31	66	28/11/2015 31:31	63
30/11/2015 13:31	66	5/12/2015 7:31	64	10/12/2015 14:01	68	16/12/2015 8:31	65	21/12/2015 15:01	66	28/11/2015 32:01	63
30/11/2015 14:01	66	5/12/2015 8:01	65	10/12/2015 14:31	68	16/12/2015 9:01	66	21/12/2015 15:31	65	28/11/2015 32:31	63
30/11/2015 14:31	66	5/12/2015 8:31	66	10/12/2015 15:01	68	16/12/2015 9:31	67	21/12/2015 16:01	66	28/11/2015 33:01	63
30/11/2015 15:01	66	5/12/2015 9:01	66	10/12/2015 15:31	70	16/12/2015 10:01	66	21/12/2015 16:31	66	28/11/2015 33:31	63
30/11/2015 15:31	66	5/12/2015 9:31	67	10/12/2015 16:01	71	16/12/2015 10:31	66	21/12/2015 17:01	66	28/11/2015 34:01	63
30/11/2015 16:01	65	5/12/2015 10:01	67	10/12/2015 16:31	69	16/12/2015 11:01	66	21/12/2015 17:31	65	28/11/2015 34:31	63
30/11/2015 16:31	65	5/12/2015 10:31	68	10/12/2015 17:01	68	16/12/2015 11:31	66	21/12/2015 18:01	64	28/11/2015 35:01	63
30/11/2015 17:01	65	5/12/2015 11:01	66	10/12/2015 17:31	66	16/12/2015 12:01	65	21/12/2015 18:31	64	28/11/2015 35:31	63
30/11/2015 17:31	65	5/12/2015 11:31	65	10/12/2015 18:01	65	16/12/2015 12:31	65	21/12/2015 19:01	65	28/11/2015 36:01	63
30/11/2015 18:01	64	5/12/2015 12:01	65	10/12/2015 18:31	63	16/12/2015 13:01	66	21/12/2015 19:31	66	28/11/2015 36:31	63
30/11/2015 18:31	65	5/12/2015 12:31	65	11/12/2015 7:01	65	16/12/2015 13:31	66	21/12/2015 20:01	66	28/11/2015 37:01	63
1/12/2015 7:01	64	5/12/2015 13:01	65	11/12/2015 7:31	66	16/12/2015 14:01	66	21/12/2015 20:31	65	28/11/2015 37:31	63
1/12/2015 7:31	65	5/12/2015 13:31	65	11/12/2015 8:01	66	16/12/2015 14:31	65	21/12/2015 21:01	65	28/11/2015 38:01	63
1/12/2015 8:01	65	5/12/2015 14:01	66	11/12/2015 8:31	66	16/12/2015 15:01	65	21/12/2015 21:31	66	28/11/2015 38:31	63
1/12/2015 8:31	66	5/12/2015 14:31	69	11/12/2015 9:01	68	16/12/2015 15:31	65	21/12/2015 22:01	66	28/11/2015 39:01	63
1/12/2015 9:01	67	5/12/2015 15:01	68	11/12/2015 9:31	69	16/12/2015 16:01	65	21/12/2015 22:31	66	28/11/2015 39:31	63
1/12/2015 9:31	67	5/12/2015 15:31	68	11/12/2015 10:01	68	16/12/2015 16:31	65	21/12/2015 23:01	66	28/11/2015 40:01	63
1/12/2015 10:01	67	5/12/2015 16:01	67	11/12/2015 10:31	68	16/12/2015 17:01	65	21/12/2015 23:31	66	28/11/2015 40:31	63
1/12/2015 10:31	66	5/12/2015 16:31	66	11/12/2015 11:01	67	16/12/2015 17:31	65	21/12/2015 24:01	66	28/11/2015 41:01	63
1/12/2015 11:01	67	5/12/2015 17:01	66	11/12/2015 11:31	66	16/12/2015 18:01	64	21/12/2015 24:31	66	28/11/2015 41:31	63
1/12/2015 11:31	67	5/12/2015 17:31	65	11/12/2015 12:01	65	16/12/2015 18:31	64	21/12/2015 25:01	66	28/11/2015 42:01	63
1/12/2015 12:01	65	5/12/2015 18:01	65	11/12/2015 12:31	65	17/12/2015 7:01	64	21/12/2015 25:31	66	28/11/2015 42:31	63
1/12/2015 12:31	66	5/12/2015 18:31	64	11/12/2015 13:01	67	17/12/2015 7:31	65	21/12/2015 26:01	66	28/11/2015 43:01	63
1/12/2015 13:01	67	7/12/2015 7:01	65	11/12/2015 13:31	66	17/12/2015 8:01	65	21/12/2015 26:31	66	28/11/2015 43:31	63
1/12/2015 13:31	66	7/12/2015 7:31	65	11/12/2015 14:01	65	17/12/2015 8:31	65	21/12/2015 27:01	66	28/11/2015 44:01	63
1/12/2015 14:01	66	7/12/2015 8:01	65	11/12/2015 14:31	66	17/12/2015 9:01	65	21/12/2015 27:31	66	28/11/2015 44:31	63
1/12/2015 14:31	67	7/12/2015 8:31	65	11/12/2015 15:01	65	17/12/2015 9:31	66	21/12/2015 28:01	66	28/11/2015 45:01	63
1/12/2015 15:01	66	7/12/2015 9:01	67	11/12/2015 15:31	65	17/12/2015 10:01	66	21/12/2015 28:31	66	28/11/2015 45:31	63
1/12/2015 15:31	67	7/12/2015 9:31	68	11/12/2015 16:01	67	17/12/2015 10:31	67	21/12/2015 29:01	66	28/11/2015 46:01	63
1/12/2015 16:01	65	7/12/2015 10:01	68	11/12/2015 16:31	67	17/12/2015 11:01	66	21/12/2015 29:31	66	28/11/2015 46:31	63
1/12/2015 16:31	66	7/12/2015 10:31	65	11/12/2015 17:01	67	17/12/2015 11:31	66	21/12/2015 30:01	66	28/11/2015 47:01	63
1/12/2015 17:01	66	7/12/2015 11:01	66	11/12/2015 17:31	64	17/12/2015 12:01	65	21/12/2015 30:31	64	28/11/2015 47:31	63
1/12/2015 17:31	64	7/12/2015 11:31	65	11/12/2015 18:01	62	17/12/2015 12:31	65	21/12/2015 31:01	64	28/11/2015 48:01	63
1/12/2015 18:01	64										

Real-time Noise Data	RTN1 (Food and Environmental Hygiene Department Depot)									
29/11/2015 10:56 63	29/11/2015 20:01 66	1/12/2015 21:06 64	3/12/2015 22:11 63	6/12/2015 7:16 63	6/12/2015 16:21 66					
29/11/2015 11:01 63	29/11/2015 20:06 62	1/12/2015 21:11 64	3/12/2015 22:16 64	6/12/2015 7:21 65	6/12/2015 16:26 66					
29/11/2015 11:06 63	29/11/2015 20:11 63	1/12/2015 21:16 64	3/12/2015 22:21 64	6/12/2015 7:26 63	6/12/2015 16:31 65					
29/11/2015 11:11 63	29/11/2015 20:16 64	1/12/2015 21:21 64	3/12/2015 22:26 63	6/12/2015 7:31 63	6/12/2015 16:36 65					
29/11/2015 11:16 63	29/11/2015 20:21 63	1/12/2015 21:26 64	3/12/2015 22:31 63	6/12/2015 7:36 65	6/12/2015 16:41 66					
29/11/2015 11:21 63	29/11/2015 20:26 63	1/12/2015 21:31 63	3/12/2015 22:36 64	6/12/2015 7:41 64	6/12/2015 16:46 65					
29/11/2015 11:26 63	29/11/2015 20:31 65	1/12/2015 21:36 63	3/12/2015 22:41 64	6/12/2015 7:46 64	6/12/2015 16:51 65					
29/11/2015 11:31 63	29/11/2015 20:36 63	1/12/2015 21:41 63	3/12/2015 22:46 64	6/12/2015 7:51 64	6/12/2015 16:56 65					
29/11/2015 11:36 64	29/11/2015 20:41 63	1/12/2015 21:46 63	3/12/2015 22:51 63	6/12/2015 7:56 63	6/12/2015 17:01 65					
29/11/2015 11:41 64	29/11/2015 20:46 62	1/12/2015 21:51 64	3/12/2015 22:56 63	6/12/2015 8:01 64	6/12/2015 17:06 65					
29/11/2015 11:46 63	29/11/2015 20:51 63	1/12/2015 21:56 64	4/12/2015 19:01 63	6/12/2015 8:06 64	6/12/2015 17:11 65					
29/11/2015 11:51 64	29/11/2015 20:56 63	1/12/2015 22:01 64	4/12/2015 19:06 63	6/12/2015 8:11 64	6/12/2015 17:16 66					
29/11/2015 11:56 64	29/11/2015 21:01 63	1/12/2015 22:06 63	4/12/2015 19:11 63	6/12/2015 8:16 64	6/12/2015 17:21 65					
29/11/2015 12:01 63	29/11/2015 21:06 62	1/12/2015 22:11 64	4/12/2015 19:16 63	6/12/2015 8:21 65	6/12/2015 17:26 66					
29/11/2015 12:06 63	29/11/2015 21:11 63	1/12/2015 22:16 64	4/12/2015 19:21 63	6/12/2015 8:26 65	6/12/2015 17:31 66					
29/11/2015 12:11 64	29/11/2015 21:16 63	1/12/2015 22:21 64	4/12/2015 19:26 63	6/12/2015 8:31 65	6/12/2015 17:36 65					
29/11/2015 12:16 63	29/11/2015 21:21 63	1/12/2015 22:26 64	4/12/2015 19:31 62	6/12/2015 8:36 64	6/12/2015 17:41 65					
29/11/2015 12:21 64	29/11/2015 21:26 63	1/12/2015 22:31 64	4/12/2015 19:36 63	6/12/2015 8:41 65	6/12/2015 17:46 66					
29/11/2015 12:26 65	29/11/2015 21:31 63	1/12/2015 22:36 64	4/12/2015 19:41 62	6/12/2015 8:46 64	6/12/2015 17:51 66					
29/11/2015 12:31 64	29/11/2015 21:36 63	1/12/2015 22:41 64	4/12/2015 19:46 64	6/12/2015 8:51 64	6/12/2015 17:56 65					
29/11/2015 12:36 64	29/11/2015 21:41 63	1/12/2015 22:46 63	4/12/2015 19:51 64	6/12/2015 8:56 64	6/12/2015 18:01 65					
29/11/2015 12:41 64	29/11/2015 21:46 63	1/12/2015 22:51 63	4/12/2015 19:56 64	6/12/2015 9:01 65	6/12/2015 18:06 65					
29/11/2015 12:46 65	29/11/2015 21:51 64	1/12/2015 22:56 63	4/12/2015 20:01 65	6/12/2015 9:06 65	6/12/2015 18:11 64					
29/11/2015 12:51 64	29/11/2015 21:56 63	2/12/2015 19:01 64	4/12/2015 20:06 65	6/12/2015 9:11 64	6/12/2015 18:16 64					
29/11/2015 12:56 65	29/11/2015 22:01 63	2/12/2015 19:06 64	4/12/2015 20:11 64	6/12/2015 9:16 65	6/12/2015 18:21 64					
29/11/2015 13:01 65	29/11/2015 22:06 63	2/12/2015 19:11 64	4/12/2015 20:16 65	6/12/2015 9:21 65	6/12/2015 18:26 65					
29/11/2015 13:06 64	29/11/2015 22:11 63	2/12/2015 19:16 64	4/12/2015 20:21 64	6/12/2015 9:26 66	6/12/2015 18:31 64					
29/11/2015 13:11 64	29/11/2015 22:16 63	2/12/2015 19:21 64	4/12/2015 20:26 64	6/12/2015 9:31 65	6/12/2015 18:36 64					
29/11/2015 13:16 64	29/11/2015 22:21 63	2/12/2015 19:26 65	4/12/2015 20:31 64	6/12/2015 9:36 66	6/12/2015 18:41 64					
29/11/2015 13:21 64	29/11/2015 22:26 63	2/12/2015 19:31 64	4/12/2015 20:36 64	6/12/2015 9:41 64	6/12/2015 18:46 64					
29/11/2015 13:26 64	29/11/2015 22:31 63	2/12/2015 19:36 64	4/12/2015 20:41 64	6/12/2015 9:46 65	6/12/2015 18:51 64					
29/11/2015 13:31 63	29/11/2015 22:36 63	2/12/2015 19:41 65	4/12/2015 20:46 63	6/12/2015 9:51 64	6/12/2015 18:56 65					
29/11/2015 13:36 64	29/11/2015 22:41 63	2/12/2015 19:46 65	4/12/2015 20:51 64	6/12/2015 9:56 65	6/12/2015 19:01 65					
29/11/2015 13:41 63	29/11/2015 22:46 63	2/12/2015 19:51 64	4/12/2015 20:56 64	6/12/2015 10:01 66	6/12/2015 19:06 65					
29/11/2015 13:46 64	29/11/2015 22:51 63	2/12/2015 19:56 65	4/12/2015 21:01 65	6/12/2015 10:06 65	6/12/2015 19:11 64					
29/11/2015 13:51 64	29/11/2015 22:56 63	2/12/2015 20:01 64	4/12/2015 21:06 63	6/12/2015 10:11 64	6/12/2015 19:16 64					
29/11/2015 13:56 64	30/11/2015 19:01 65	2/12/2015 20:06 64	4/12/2015 21:11 63	6/12/2015 10:16 64	6/12/2015 19:21 64					
29/11/2015 14:01 65	30/11/2015 19:06 66	2/12/2015 20:11 65	4/12/2015 21:16 64	6/12/2015 10:21 65	6/12/2015 19:26 64					
29/11/2015 14:06 64	30/11/2015 19:11 65	2/12/2015 20:16 64	4/12/2015 21:21 64	6/12/2015 10:26 65	6/12/2015 19:31 64					
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29/11/2015 14:21 64	30/11/2015 19:26 66	2/12/2015 20:31 64	4/12/2015 21:36 64	6/12/2015 10:41 64	6/12/2015 19:46 64					
29/11/2015 14:26 64	30/11/2015 19:31 65	2/12/2015 20:36 65	4/12/2015 21:41 64	6/12/2015 10:46 64	6/12/2015 19:51 64					
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29/11/2015 15:06 65	30/11/2015 20:11 64	2/12/2015 21:16 64	4/12/2015 22:21 64	6/12/2015 11:26 64	6/12/2015 20:31 64					
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29/11/2015 15:41 65	30/11/2015 20:46 63	2/12/2015 21:51 63	4/12/2015 22:56 64	6/12/2015 12:01 64	6/12/2015 21:06 64					
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29/11/2015 15:51 64	30/11/2015 20:56 63	2/12/2015 22:01 63	5/12/2015 19:06 64	6/12/2015 12:11 65	6/12/2015 21:16 63					
29/11/2015 15:56 65	30/11/2015 21:01 63	2/12/2015 22:06 64	5/12/2015 19:11 64	6/12/2015 12:16 65	6/12/2015 21:21 63					
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29/11/2015 16:06 65	30/11/2015 21:11 63	2/12/2015 22:16 64	5/12/2015 19:21 64	6/12/2015 12:26 65	6/12/2015 21:31 64					
29/11/2015 16:11 64	30/11/2015 21:16 64	2/12/2015 22:21 63	5/12/2015 19:26 64	6/12/2015 12:31 65	6/12/2015 21:36 64					
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29/11/2015 16:41 64	30/11/2015 21:46 63	2/12/2015 22:51 63	5/12/2015 19:56 65	6/12/2015 13:01 65	6/12/2015 22:06 64					
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29/11/2015 16:51 64	30/11/2015 21:56 65	3/12/2015 19:01 64	5/12/2015 20:06 65	6/12/2015 13:11 65	6/12/2015 22:16 64					
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29/11/2015 17:01 66	30/11/2015 22:06 64	3/12/2015 19:11 64	5/12/2015 20:16 64	6/12/2015 13:21 65	6/12/2015 22:26 64					
29/11/2015 17:06 66	30/11/2015 22:11 65	3/12/2015 19:16 64	5/12/2015 20:21 65	6/12/2015 13:26 64	6/12/2015 22:31 64					
29/11/2015 17:11 65	30/11/2015 22:16 64	3/12/2015 19:21 65	5/12/2015 20:26 65	6/12/2015 13:31 65	6/12/2015 22:36 64					
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29/11/2015 17:21 66	30/11/2015 22:26 64	3/12/2015 19:31 64	5/12/2015 20:36 65	6/12/2015 13:41 65	6/12/2015 22:46 63					
29/11/2015 17:26 65	30/11/2015 22:31 63	3/12/2015 19:36 64	5/12/2015 20:41 64	6/12/2015 13:46 65	6/12/2015 22:51 64					
29/11/2015 17:31 66	30/11/2015 22:36 63	3/12/2015 19:41 64	5/12/2015 20:46 64	6/12/2015 13:51 65	6/12/2015 22:56 64					
29/11/2015 17:36 65	30/11/2015 22:41 63	3/12/2015 19:46 64	5/12/2015 20:51 65	6/12/2015 13:56 65	7/12/2015 19:01 63					
29/11/2015 17:41 64	30/11/2015 22:46 63	3/12/2015 19:51 64	5/12/2015 20:56 64	6/12/2015 14:01 65	7/12/2015 19:06 63					
29/11/2015 17:46 64	30/11/2015 22:51 63	3/12/2015 19:56 64	5/12/2015 21:01 64	6/12/2015 14:06 65	7/12/2015 19:11 63					
29/11/2015 17:51 64	30/11/2015 22:56 63	3/12/2015 20:01 64	5/12/2015 21:06 64	6/12/2015 14:11 65	7/12/2015 19:16 63					
29/11/2015 17:56 64	1/12/2015 19:01 65	3/12/2015 20:06 64	5/12/2015 21:11 64							

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
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7/12/2015 21:31	64	9/12/2015 22:36	66	12/12/2015 19:41	65	12/12/2015 12:46	65	13/12/2015 21:51	63	15/12/2015 22:56	64
7/12/2015 21:36	65	9/12/2015 22:41	67	12/12/2015 19:46	64	12/12/2015 12:51	65	13/12/2015 21:56	64	16/12/2015 19:01	65
7/12/2015 21:41	64	9/12/2015 22:46	66	12/12/2015 19:51	64	12/12/2015 12:56	64	13/12/2015 22:01	64	16/12/2015 19:06	64
7/12/2015 21:46	64	9/12/2015 22:51	65	12/12/2015 19:56	64	12/12/2015 13:01	64	13/12/2015 22:06	63	16/12/2015 19:11	64
7/12/2015 21:51	64	9/12/2015 22:56	66	12/12/2015 20:01	64	12/12/2015 13:06	64	13/12/2015 22:11	63	16/12/2015 19:16	64
7/12/2015 21:56	64	10/12/2015 19:01	64	12/12/2015 20:06	64	12/12/2015 13:11	66	13/12/2015 22:16	63	16/12/2015 19:21	64
7/12/2015 22:01	64	10/12/2015 19:06	64	12/12/2015 20:11	64	12/12/2015 13:16	65	13/12/2015 22:21	64	16/12/2015 19:26	64
7/12/2015 22:06	64	10/12/2015 19:11	64	12/12/2015 20:16	63	12/12/2015 13:21	65	13/12/2015 22:26	63	16/12/2015 19:31	64
7/12/2015 22:11	64	10/12/2015 19:16	64	12/12/2015 20:21	64	12/12/2015 13:26	65	13/12/2015 22:31	64	16/12/2015 19:36	64
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7/12/2015 22:21	64	10/12/2015 19:26	65	12/12/2015 20:31	63	12/12/2015 13:36	65	13/12/2015 22:41	64	16/12/2015 19:46	64
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7/12/2015 22:41	64	10/12/2015 19:46	64	12/12/2015 20:51	63	12/12/2015 13:56	65	14/12/2015 19:01	63	16/12/2015 20:06	65
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7/12/2015 22:56	63	10/12/2015 20:01	66	12/12/2015 21:06	63	12/12/2015 14:11	64	14/12/2015 19:16	63	16/12/2015 20:21	64
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8/12/2015 19:16	66	10/12/2015 20:21	65	12/12/2015 21:26	64	12/12/2015 14:31	65	14/12/2015 19:36	64	16/12/2015 20:41	64
8/12/2015 19:21	65	10/12/2015 20:26	65	12/12/2015 21:31	63	12/12/2015 14:36	64	14/12/2015 19:41	64	16/12/2015 20:46	64
8/12/2015 19:26	65	10/12/2015 20:31	65	12/12/2015 21:36	64	12/12/2015 14:41	64	14/12/2015 19:46	65	16/12/2015 20:51	64
8/12/2015 19:31	65	10/12/2015 20:36	65	12/12/2015 21:41	63	12/12/2015 14:46	64	14/12/2015 19:51	64	16/12/2015 20:56	64
8/12/2015 19:36	65	10/12/2015 20:41	66	12/12/2015 21:46	64	12/12/2015 14:51	64	14/12/2015 19:56	65	16/12/2015 21:01	64
8/12/2015 19:41	65	10/12/2015 20:46	66	12/12/2015 21:51	64	12/12/2015 14:56	64	14/12/2015 20:01	65	16/12/2015 21:06	64
8/12/2015 19:46	65	10/12/2015 20:51	65	12/12/2015 21:56	64	12/12/2015 15:01	63	14/12/2015 20:06	64	16/12/2015 21:11	64
8/12/2015 19:51	65	10/12/2015 20:56	65	12/12/2015 22:01	63	12/12/2015 15:06	63	14/12/2015 20:11	65	16/12/2015 21:16	64
8/12/2015 19:56	65	10/12/2015 21:01	66	12/12/2015 22:06	63	12/12/2015 15:11	63	14/12/2015 20:16	65	16/12/2015 21:21	64
8/12/2015 20:01	64	10/12/2015 21:06	65	12/12/2015 22:11	64	12/12/2015 15:16	63	14/12/2015 20:21	64	16/12/2015 21:26	64
8/12/2015 20:06	65	10/12/2015 21:11	65	12/12/2015 22:16	63	12/12/2015 15:21	63	14/12/2015 20:26	65	16/12/2015 21:31	65
8/12/2015 20:11	64	10/12/2015 21:16	65	12/12/2015 22:21	63	12/12/2015 15:26	63	14/12/2015 20:31	64	16/12/2015 21:36	64
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8/12/2015 20:21	65	10/12/2015 21:26	65	12/12/2015 22:31	63	12/12/2015 15:36	64	14/12/2015 20:41	64	16/12/2015 21:46	64
8/12/2015 20:26	65	10/12/2015 21:31	65	12/12/2015 22:36	63	12/12/2015 15:41	63	14/12/2015 20:46	65	16/12/2015 21:51	65
8/12/2015 20:31	65	10/12/2015 21:36	65	12/12/2015 22:41	63	12/12/2015 15:46	63	14/12/2015 20:51	64	16/12/2015 21:56	64
8/12/2015 20:36	65	10/12/2015 21:41	65	12/12/2015 22:46	63	12/12/2015 15:51	64	14/12/2015 20:56	63	16/12/2015 22:01	64
8/12/2015 20:41	64	10/12/2015 21:46	65	12/12/2015 22:51	62	12/12/2015 15:56	64	14/12/2015 21:01	64	16/12/2015 22:06	65
8/12/2015 20:46	65	10/12/2015 21:51	65	12/12/2015 22:56	63	12/12/2015 16:01	65	14/12/2015 21:06	63	16/12/2015 22:11	64
8/12/2015 20:51	64	10/12/2015 21:56	65	13/12/2015 7:01	62	12/12/2015 16:06	65	14/12/2015 21:11	64	16/12/2015 22:16	64
8/12/2015 20:56	65	10/12/2015 22:01	66	13/12/2015 7:06	62	13/12/2015 16:11	65	14/12/2015 21:16	63	16/12/2015 22:21	63
8/12/2015 21:01	64	10/12/2015 22:06	65	13/12/2015 7:11	61	13/12/2015 16:16	65	14/12/2015 21:21	63	16/12/2015 22:26	64
8/12/2015 21:06	64	10/12/2015 22:11	65	13/12/2015 7:16	64	13/12/2015 16:21	65	14/12/2015 21:26	64	16/12/2015 22:31	63
8/12/2015 21:11	64	10/12/2015 22:16	66	13/12/2015 7:21	62	13/12/2015 16:26	65	14/12/2015 21:31	64	16/12/2015 22:36	64
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8/12/2015 21:21	64	10/12/2015 22:26	66	13/12/2015 7:31	63	13/12/2015 16:36	65	14/12/2015 21:41	64	16/12/2015 22:46	64
8/12/2015 21:26	64	10/12/2015 22:31	66	13/12/2015 7:36	63	13/12/2015 16:41	65	14/12/2015 21:46	64	16/12/2015 22:51	63
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8/12/2015 21:36	64	10/12/2015 22:41	69	13/12/2015 7:46	63	13/12/2015 16:51	66	14/12/2015 21:56	64	17/12/2015 19:01	64
8/12/2015 21:41	64	10/12/2015 22:46	65	13/12/2015 7:51	63	13/12/2015 16:56	65	14/12/2015 22:01	64	17/12/2015 19:06	64
8/12/2015 21:46	64	10/12/2015 22:51	65	13/12/2015 7:56	63	13/12/2015 17:01	65	14/12/2015 22:06	63	17/12/2015 19:11	64
8/12/2015 21:51	65	10/12/2015 22:56	65	13/12/2015 8:01	63	13/12/2015 17:06	65	14/12/2015 22:11	64	17/12/2015 19:16	64
8/12/2015 21:56	64	11/12/2015 19:01	62	13/12/2015 8:06	64	13/12/2015 17:11	65	14/12/2015 22:16	64	17/12/2015 19:21	63
8/12/2015 22:01	64	11/12/2015 19:06	62	13/12/2015 8:11	63	13/12/2015 17:16	64	14/12/2015 22:21	64	17/12/2015 19:26	64
8/12/2015 22:06	64	11/12/2015 19:11	62	13/12/2015 8:16	64	13/12/2015 17:21	65	14/12/2015 22:26	64	17/12/2015 19:31	64
8/12/2015 22:11	64	11/12/2015 19:16	62	13/12/2015 8:21	63	13/12/2015 17:26	65	14/12/2015 22:31	64	17/12/2015 19:36	64
8/12/2015 22:16	64	11/12/2015 19:21	62	13/12/2015 8:26	63	13/12/2015 17:31	64	14/12/2015 22:36	63	17/12/2015 19:41	64
8/12/2015 22:21	64	11/12/2015 19:26	62	13/12/2015 8:31	64	13/12/2015 17:36	65	14/12/2015 22:41	64	17/12/2015 19:46	65
8/12/2015 22:26	64	11/12/2015 19:31	62	13/12/2015 8:36	63	13/12/2015 17:41	64	14/12/2015 22:46	63	17/12/2015 19:51	65
8/12/2015 22:31	64	11/12/2015 19:36	62	13/12/2015 8:41	63	13/12/2015 17:46	64	14/12/2015 22:51	64	17/12/2015 19:56	64
8/12/2015 22:36	64	11/12/2015 19:41	62	13/12/2015 8:46	63	13/12/2015 17:51	64	14/12/2015 22:56	63	17/12/2015 20:01	65
8/12/2015 22:41	65	11/12/2015 19:46	62	13/12/2015 8:51	64	13/12/2015 17:56	64	15/12/2015 19:01	66	17/12/2015 20:06	65
8/12/2015 22:46	64	11/12/2015 19:51	62	13/12/2015 8:56	64	13/12/2015 18:01	65	15/12/2015 19:06	65	17/12/2015 20:11	64
8/12/2015 22:51	63	11/12/2015 19:56	61	13/12/2015 9:01	64	13/12/2015 18:06	65	15/12/2015 19:11	65	17/12/2015 20:16	65
8/12/2015 22:56	64	11/12/2015 20:01	62	13/12/2015 9:06	65	13/12/2015 18:11	65	15/12/2015 19:16	65	17/12/2015 20:21	64
9/12/2015 19:01	67	11/12/2015 20:06	62	13/12/2015 9:11	64	13/12/2015 18:16	64	15/12/2015 19:21	65	17/12/2015 20:26	64
9/12/2015 19:06	66	11/12/2015 20:11	62	13/12/2015 9:16	64	13/12/2015 18:21	65	15/12/2015 19:26	65	17/12/2015 20:31	64
9/12/2015 19:11	67	11/12/2015 20:16	63	13/12/2015 9:21	63	13/12/2015 18:26	65	15/12/2015 19:31	65	17/12/2015 20:36	64
9/12/2015 19:16	68	11/12/2015 20:21	64	13/12/2015 9:26	64	13/12/2015 18:31	64	15/12/2015 19:36	64	17/12/2015 20:41	65
9/12/2015 19:21	68	11/12/2015 20:26	65	13/12/2015 9:31	64	13/12/2015 18:3					

Real-time Noise Data	RTN1 (Food and Environmental Hygiene Department Depot)				
18/12/2015 19:56 64	20/12/2015 9:01 64	20/12/2015 18:06 63	22/12/2015 19:11 65	24/12/2015 20:16 64	25/12/2015 13:21 64
18/12/2015 20:01 63	20/12/2015 9:06 64	20/12/2015 18:11 63	22/12/2015 19:16 66	24/12/2015 20:21 63	25/12/2015 13:26 64
18/12/2015 20:06 63	20/12/2015 9:11 64	20/12/2015 18:16 63	22/12/2015 19:21 65	24/12/2015 20:26 63	25/12/2015 13:31 64
18/12/2015 20:11 64	20/12/2015 9:16 64	20/12/2015 18:21 63	22/12/2015 19:26 65	24/12/2015 20:31 64	25/12/2015 13:36 64
18/12/2015 20:16 63	20/12/2015 9:21 65	20/12/2015 18:26 63	22/12/2015 19:31 65	24/12/2015 20:36 63	25/12/2015 13:41 64
18/12/2015 20:21 64	20/12/2015 9:26 64	20/12/2015 18:31 63	22/12/2015 19:36 65	24/12/2015 20:41 63	25/12/2015 13:46 65
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Real-time Noise Data	RTN1 (Food and Environmental Hygiene Department Depot)									
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26/12/2015 10:51 64	26/12/2015 19:56 63	28/11/2015 5:46 60	29/11/2015 6:51 62	30/11/2015 23:56 62	2/12/2015 1:01 60					
26/12/2015 10:56 64	26/12/2015 20:01 64	28/11/2015 5:51 60	29/11/2015 6:56 62	1/12/2015 0:01 44	2/12/2015 1:06 61					
26/12/2015 11:01 65	26/12/2015 20:06 65	28/11/2015 5:56 60	29/11/2015 23:01 58	1/12/2015 0:06 62	2/12/2015 1:11 60					
26/12/2015 11:06 65	26/12/2015 20:11 63	28/11/2015 6:01 60	29/11/2015 23:06 57	1/12/2015 0:11 62	2/12/2015 1:16 61					
26/12/2015 11:11 64	26/12/2015 20:16 63	28/11/2015 6:06 61	29/11/2015 23:11 58	1/12/2015 0:16 62	2/12/2015 1:21 60					
26/12/2015 11:16 64	26/12/2015 20:21 63	28/11/2015 6:11 60	29/11/2015 23:16 54	1/12/2015 0:21 61	2/12/2015 1:26 61					
26/12/2015 11:21 64	26/12/2015 20:26 63	28/11/2015 6:16 61	29/11/2015 23:21 58	1/12/2015 0:26 62	2/12/2015 1:31 60					
26/12/2015 11:26 64	26/12/2015 20:31 63	28/11/2015 6:21 61	29/11/2015 23:26 56	1/12/2015 0:31 62	2/12/2015 1:36 60					
26/12/2015 11:31 64	26/12/2015 20:36 63	28/11/2015 6:26 61	29/11/2015 23:31 48	1/12/2015 0:36 52	2/12/2015 1:41 60					
26/12/2015 11:36 63	26/12/2015 20:41 63	28/11/2015 6:31 61	29/11/2015 23:36 46	1/12/2015 0:41 61	2/12/2015 1:46 59					
26/12/2015 11:41 64	26/12/2015 20:46 63	28/11/2015 6:36 47	29/11/2015 23:41 62	1/12/2015 0:46 61	2/12/2015 1:51 60					
26/12/2015 11:46 64	26/12/2015 20:51 63	28/11/2015 6:41 57	29/11/2015 23:46 53	1/12/2015 0:51 61	2/12/2015 1:56 59					
26/12/2015 11:51 63	26/12/2015 20:56 63	28/11/2015 6:46 52	29/11/2015 23:51 52	1/12/2015 0:56 61	2/12/2015 2:01 59					
26/12/2015 11:56 65	26/12/2015 21:01 63	28/11/2015 6:51 56	29/11/2015 23:56 47	1/12/2015 1:01 61	2/12/2015 2:06 60					
26/12/2015 12:01 64	26/12/2015 21:06 63	28/11/2015 6:56 54	30/11/2015 0:01 62	1/12/2015 1:06 61	2/12/2015 2:11 59					
26/12/2015 12:06 63	26/12/2015 21:11 64	28/11/2015 23:01 58	30/11/2015 0:06 62	1/12/2015 1:11 60	2/12/2015 2:16 59					
26/12/2015 12:11 64	26/12/2015 21:16 63	28/11/2015 23:06 58	30/11/2015 0:11 62	1/12/2015 1:16 60	2/12/2015 2:21 58					
26/12/2015 12:16 64	26/12/2015 21:21 63	28/11/2015 23:11 58	30/11/2015 0:16 62	1/12/2015 1:21 60	2/12/2015 2:26 59					
26/12/2015 12:21 64	26/12/2015 21:26 63	28/11/2015 23:16 58	30/11/2015 0:21 61	1/12/2015 1:26 60	2/12/2015 2:31 58					
26/12/2015 12:26 66	26/12/2015 21:31 63	28/11/2015 23:21 58	30/11/2015 0:26 61	1/12/2015 1:31 60	2/12/2015 2:36 58					
26/12/2015 12:31 63	26/12/2015 21:36 64	28/11/2015 23:26 55	30/11/2015 0:31 46	1/12/2015 1:36 59	2/12/2015 2:41 58					
26/12/2015 12:36 65	26/12/2015 21:41 64	28/11/2015 23:31 58	30/11/2015 0:36 61	1/12/2015 1:41 60	2/12/2015 2:46 58					
26/12/2015 12:41 65	26/12/2015 21:46 63	28/11/2015 23:36 56	30/11/2015 0:41 61	1/12/2015 1:46 59	2/12/2015 2:51 58					
26/12/2015 12:46 65	26/12/2015 21:51 63	28/11/2015 23:41 55	30/11/2015 0:46 60	1/12/2015 1:51 60	2/12/2015 2:56 60					
26/12/2015 12:51 64	26/12/2015 21:56 64	28/11/2015 23:46 58	30/11/2015 0:51 60	1/12/2015 1:56 60	2/12/2015 3:01 59					
26/12/2015 12:56 65	26/12/2015 22:01 63	28/11/2015 23:51 54	30/11/2015 0:56 60	1/12/2015 2:01 60	2/12/2015 3:06 58					
26/12/2015 13:01 64	26/12/2015 22:06 63	28/11/2015 23:56 54	30/11/2015 1:01 60	1/12/2015 2:06 60	2/12/2015 3:11 59					
26/12/2015 13:06 65	26/12/2015 22:11 63	29/11/2015 0:01 58	30/11/2015 1:06 60	1/12/2015 2:11 58	2/12/2015 3:16 58					
26/12/2015 13:11 64	26/12/2015 22:16 63	29/11/2015 0:06 54	30/11/2015 1:11 59	1/12/2015 2:16 58	2/12/2015 3:21 59					
26/12/2015 13:16 64	26/12/2015 22:21 64	29/11/2015 0:11 51	30/11/2015 1:16 60	1/12/2015 2:21 59	2/12/2015 3:26 57					
26/12/2015 13:21 65	26/12/2015 22:26 63	29/11/2015 0:16 50	30/11/2015 1:21 59	1/12/2015 2:26 59	2/12/2015 3:31 58					
26/12/2015 13:26 64	26/12/2015 22:31 63	29/11/2015 0:21 54	30/11/2015 1:26 60	1/12/2015 2:31 58	2/12/2015 3:36 58					
26/12/2015 13:31										

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
2/12/2015 5:41	60	3/12/2015 6:46	56	4/12/2015 23:51	59	6/12/2015 0:56	54	7/12/2015 2:01	59	8/12/2015 3:06	59
2/12/2015 5:46	59	3/12/2015 6:51	60	4/12/2015 23:56	58	6/12/2015 1:01	50	7/12/2015 2:06	59	8/12/2015 3:11	59
2/12/2015 5:51	60	3/12/2015 6:56	58	5/12/2015 0:01	58	6/12/2015 1:06	55	7/12/2015 2:11	60	8/12/2015 3:16	58
2/12/2015 5:56	60	3/12/2015 23:01	58	5/12/2015 0:06	58	6/12/2015 1:11	53	7/12/2015 2:16	59	8/12/2015 3:21	59
2/12/2015 6:01	59	3/12/2015 23:06	57	5/12/2015 0:11	53	6/12/2015 1:16	53	7/12/2015 2:21	59	8/12/2015 3:26	58
2/12/2015 6:06	60	3/12/2015 23:11	58	5/12/2015 0:16	57	6/12/2015 1:21	53	7/12/2015 2:26	59	8/12/2015 3:31	57
2/12/2015 6:11	61	3/12/2015 23:16	59	5/12/2015 0:21	58	6/12/2015 1:26	46	7/12/2015 2:31	58	8/12/2015 3:36	59
2/12/2015 6:16	60	3/12/2015 23:21	56	5/12/2015 0:26	52	6/12/2015 1:31	62	7/12/2015 2:36	59	8/12/2015 3:41	58
2/12/2015 6:21	62	3/12/2015 23:26	56	5/12/2015 0:31	54	6/12/2015 1:36	50	7/12/2015 2:41	58	8/12/2015 3:46	56
2/12/2015 6:26	62	3/12/2015 23:31	57	5/12/2015 0:36	57	6/12/2015 1:41	62	7/12/2015 2:46	58	8/12/2015 3:51	58
2/12/2015 6:31	39	3/12/2015 23:36	58	5/12/2015 0:41	52	6/12/2015 1:46	62	7/12/2015 2:51	58	8/12/2015 3:56	57
2/12/2015 6:36	60	3/12/2015 23:41	56	5/12/2015 0:46	52	6/12/2015 1:51	52	7/12/2015 2:56	58	8/12/2015 4:01	58
2/12/2015 6:41	56	3/12/2015 23:46	55	5/12/2015 0:51	50	6/12/2015 1:56	54	7/12/2015 3:01	57	8/12/2015 4:06	58
2/12/2015 6:46	58	3/12/2015 23:51	57	5/12/2015 0:56	52	6/12/2015 2:01	61	7/12/2015 3:06	57	8/12/2015 4:11	58
2/12/2015 6:51	59	3/12/2015 23:56	56	5/12/2015 1:01	59	6/12/2015 2:06	61	7/12/2015 3:11	58	8/12/2015 4:16	57
2/12/2015 6:56	59	4/12/2015 0:01	56	5/12/2015 1:06	62	6/12/2015 2:11	62	7/12/2015 3:16	58	8/12/2015 4:21	57
2/12/2015 23:01	57	4/12/2015 0:06	55	5/12/2015 1:11	62	6/12/2015 2:16	61	7/12/2015 3:21	58	8/12/2015 4:26	58
2/12/2015 23:06	58	4/12/2015 0:11	57	5/12/2015 1:16	62	6/12/2015 2:21	61	7/12/2015 3:26	57	8/12/2015 4:31	58
2/12/2015 23:11	58	4/12/2015 0:16	52	5/12/2015 1:21	53	6/12/2015 2:26	43	7/12/2015 3:31	57	8/12/2015 4:36	58
2/12/2015 23:16	57	4/12/2015 0:21	61	5/12/2015 1:26	51	6/12/2015 2:31	61	7/12/2015 3:36	58	8/12/2015 4:41	58
2/12/2015 23:21	55	4/12/2015 0:26	54	5/12/2015 1:31	62	6/12/2015 2:36	61	7/12/2015 3:41	58	8/12/2015 4:46	58
2/12/2015 23:26	55	4/12/2015 0:31	48	5/12/2015 1:36	62	6/12/2015 2:41	62	7/12/2015 3:46	59	8/12/2015 4:51	58
2/12/2015 23:31	54	4/12/2015 0:36	61	5/12/2015 1:41	61	6/12/2015 2:46	48	7/12/2015 3:51	59	8/12/2015 4:56	58
2/12/2015 23:36	56	4/12/2015 0:41	61	5/12/2015 1:46	61	6/12/2015 2:51	61	7/12/2015 3:56	58	8/12/2015 5:01	58
2/12/2015 23:41	57	4/12/2015 0:46	61	5/12/2015 1:51	61	6/12/2015 2:56	61	7/12/2015 4:01	57	8/12/2015 5:06	58
2/12/2015 23:46	54	4/12/2015 0:51	61	5/12/2015 1:56	61	6/12/2015 3:01	60	7/12/2015 4:06	57	8/12/2015 5:11	58
2/12/2015 23:51	55	4/12/2015 0:56	61	5/12/2015 2:01	61	6/12/2015 3:06	60	7/12/2015 4:11	57	8/12/2015 5:16	59
2/12/2015 23:56	56	4/12/2015 1:01	39	5/12/2015 2:06	62	6/12/2015 3:11	61	7/12/2015 4:16	58	8/12/2015 5:21	59
3/12/2015 0:01	54	4/12/2015 1:06	60	5/12/2015 2:11	61	6/12/2015 3:16	61	7/12/2015 4:21	59	8/12/2015 5:26	61
3/12/2015 0:06	50	4/12/2015 1:11	61	5/12/2015 2:16	61	6/12/2015 3:21	61	7/12/2015 4:26	57	8/12/2015 5:31	59
3/12/2015 0:11	54	4/12/2015 1:16	61	5/12/2015 2:21	60	6/12/2015 3:26	60	7/12/2015 4:31	57	8/12/2015 5:36	59
3/12/2015 0:16	61	4/12/2015 1:21	60	5/12/2015 2:26	60	6/12/2015 3:31	61	7/12/2015 4:36	58	8/12/2015 5:41	61
3/12/2015 0:21	45	4/12/2015 1:26	61	5/12/2015 2:31	60	6/12/2015 3:36	60	7/12/2015 4:41	58	8/12/2015 5:46	62
3/12/2015 0:26	61	4/12/2015 1:31	60	5/12/2015 2:36	60	6/12/2015 3:41	61	7/12/2015 4:46	58	8/12/2015 5:51	62
3/12/2015 0:31	61	4/12/2015 1:36	60	5/12/2015 2:41	61	6/12/2015 3:46	60	7/12/2015 4:51	57	8/12/2015 5:56	60
3/12/2015 0:36	61	4/12/2015 1:41	60	5/12/2015 2:46	60	6/12/2015 3:51	61	7/12/2015 4:56	58	8/12/2015 6:01	61
3/12/2015 0:41	61	4/12/2015 1:46	61	5/12/2015 2:51	60	6/12/2015 3:56	61	7/12/2015 5:01	59	8/12/2015 6:06	61
3/12/2015 0:46	61	4/12/2015 1:51	61	5/12/2015 2:56	59	6/12/2015 4:01	60	7/12/2015 5:06	58	8/12/2015 6:11	62
3/12/2015 0:51	61	4/12/2015 1:56	60	5/12/2015 3:01	60	6/12/2015 4:06	61	7/12/2015 5:11	58	8/12/2015 6:16	62
3/12/2015 0:56	62	4/12/2015 2:01	60	5/12/2015 3:06	60	6/12/2015 4:11	61	7/12/2015 5:16	58	8/12/2015 6:21	61
3/12/2015 1:01	60	4/12/2015 2:06	59	5/12/2015 3:11	60	6/12/2015 4:16	60	7/12/2015 5:21	59	8/12/2015 6:26	49
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3/12/2015 1:11	60	4/12/2015 2:16	59	5/12/2015 3:21	59	6/12/2015 4:26	60	7/12/2015 5:31	60	8/12/2015 6:36	55
3/12/2015 1:16	61	4/12/2015 2:21	59	5/12/2015 3:26	60	6/12/2015 4:31	59	7/12/2015 5:36	59	8/12/2015 6:41	57
3/12/2015 1:21	60	4/12/2015 2:26	59	5/12/2015 3:31	60	6/12/2015 4:36	60	7/12/2015 5:41	60	8/12/2015 6:46	59
3/12/2015 1:26	61	4/12/2015 2:31	59	5/12/2015 3:36	59	6/12/2015 4:41	61	7/12/2015 5:46	61	8/12/2015 6:51	59
3/12/2015 1:31	61	4/12/2015 2:36	59	5/12/2015 3:41	59	6/12/2015 4:46	61	7/12/2015 5:51	61	8/12/2015 6:56	60
3/12/2015 1:36	57	4/12/2015 2:41	59	5/12/2015 3:46	59	6/12/2015 4:51	60	7/12/2015 5:56	60	8/12/2015 23:01	58
3/12/2015 1:41	61	4/12/2015 2:46	59	5/12/2015 3:51	59	6/12/2015 4:56	60	7/12/2015 6:01	60	8/12/2015 23:06	57
3/12/2015 1:46	60	4/12/2015 2:51	59	5/12/2015 3:56	58	6/12/2015 5:01	60	7/12/2015 6:06	61	8/12/2015 23:11	58
3/12/2015 1:51	61	4/12/2015 2:56	59	5/12/2015 4:01	58	6/12/2015 5:06	61	7/12/2015 6:11	61	8/12/2015 23:16	58
3/12/2015 1:56	61	4/12/2015 3:01	59	5/12/2015 4:06	59	6/12/2015 5:11	60	7/12/2015 6:16	50	8/12/2015 23:21	58
3/12/2015 2:01	60	4/12/2015 3:06	58	5/12/2015 4:11	59	6/12/2015 5:16	60	7/12/2015 6:21	49	8/12/2015 23:26	59
3/12/2015 2:06	61	4/12/2015 3:11	58	5/12/2015 4:16	58	6/12/2015 5:21	60	7/12/2015 6:26	53	8/12/2015 23:31	56
3/12/2015 2:11	60	4/12/2015 3:16	57	5/12/2015 4:21	59	6/12/2015 5:26	60	7/12/2015 6:31	49	8/12/2015 23:36	58
3/12/2015 2:16	59	4/12/2015 3:21	57	5/12/2015 4:26	59	6/12/2015 5:31	60	7/12/2015 6:36	58	8/12/2015 23:41	56
3/12/2015 2:21	59	4/12/2015 3:26	58	5/12/2015 4:31	59	6/12/2015 5:36	60	7/12/2015 6:41	60	8/12/2015 23:46	58
3/12/2015 2:26	58	4/12/2015 3:31	58	5/12/2015 4:36	58	6/12/2015 5:41	61	7/12/2015 6:46	59	8/12/2015 23:51	56
3/12/2015 2:31	59	4/12/2015 3:36	59	5/12/2015 4:41	59	6/12/2015 5:46	60	7/12/2015 6:51	61	8/12/2015 23:56	53
3/12/2015 2:36	59	4/12/2015 3:41	57	5/12/2015 4:46	59	6/12/2015 5:51	60	7/12/2015 6:56	61	9/12/2015 0:01	55
3/12/2015 2:41	58	4/12/2015 3:46	58	5/12/2015 4:51	58	6/12/2015 5:56	61	7/12/2015 23:01	58	9/12/2015 0:06	53
3/12/2015 2:46	60	4/12/2015 3:51	58	5/12/2015 4:56	59	6/12/2015 6:01	61	7/12/2015 23:06	58	9/12/2015 0:11	62
3/12/2015 2:51	59	4/12/2015 3:56	58	5/12/2015 5:01	59	6/12/2015 6:06	61	7/12/2015 23:11	59	9/12/2015 0:16	50
3/12/2015 2:56	58	4/12/2015 4:01	58	5/12/2015 5:06	59	6/12/2015 6:11	61	7/12/2015 23:16	59	9/12/2015 0:21	53
3/12/2015 3:01	60	4/12/2015 4:06	57	5/12/2015 5:11	58	6/12/2015 6:16	61	7/12/2015 23:21	57	9/12/2015 0:26	60
3/12/2015 3:06	59	4/12/2015 4:11	58	5/12/2015 5:16	59	6/12/2015 6:21	62	7/12/2015 23:26	57	9/12/2015 0:31	61
3/12/2015 3:11	58	4/12/2015 4:16	58	5/12/2015 5:21	59	6/12/2015 6:26	61	7/12/2015 23:31	57	9/12/2015 0:36	62
3/12/2015 3:16	57	4/12/2015 4:21	59	5/12/2015 5:26	59	6/12/2015 6:31	62	7/12/2015 23:36	57	9/12/2015 0:41	61
3/12/2015 3:21	57	4/12/2015 4:26	58	5/12/2015 5:31	59	6/12/2015 6:36	62	7/12/2015 23:41	55	9/12/2015 0:46	61
3/12/2015 3:26	59	4/12/2015 4:31	58	5/12/2015 5:36	60	6/12/2015 6:41	54	7/12/2015 23:46	56	9/12/2015 0:51	61
3/12/2015 3:31	58	4/12/2015 4:36	58	5/12/2015 5:41	59	6/12/2015 6:46	55	7/12/2015 23:51	55	9/12/2015 0:56	61
3/12/2015 3:36	58	4/12/2015 4:41	58	5/12/2015 5:46	60	6/12/2015 6:51	62	7/12/2015 23:56	54	9/12/2015 1:01	62
3/12/2015 3:41	57	4/12/2015 4:46	58	5/12/2015 5:51	60	6/12/2015 6:56	54	8/12/2015 0:01	53	9/12/2015 1:06	60
3/12/2015 3:46	58	4/12/2015 4:51	58	5/12/2015 5:56	60	6/12/2015 23:01	60	8/12/2015 0:06	55	9/12/2015 1:11	60
3/12/2015 3:51	58	4/12/2015 4:56	57	5/12/2015 6:01	60	6/12/2015 23:06	58	8/12/2015 0:11	67	9/12/2015 1:16	60
3/12/2015 3:56	57	4/12/2015 5:01	59	5/12/2015 6:06	60	6/12/2015 23:11					

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)					
9/12/2015 4:11	59	10/12/2015 5:16	61	11/12/2015 6:21	57	12/12/2015 23:26	56
9/12/2015 4:16	59	10/12/2015 5:21	61	11/12/2015 6:26	56	12/12/2015 23:31	61
9/12/2015 4:21	59	10/12/2015 5:26	61	11/12/2015 6:31	59	12/12/2015 23:36	58
9/12/2015 4:26	59	10/12/2015 5:31	61	11/12/2015 6:36	59	12/12/2015 23:41	58
9/12/2015 4:31	59	10/12/2015 5:36	61	11/12/2015 6:41	61	12/12/2015 23:46	57
9/12/2015 4:36	58	10/12/2015 5:41	61	11/12/2015 6:46	61	12/12/2015 23:51	60
9/12/2015 4:41	59	10/12/2015 5:46	62	11/12/2015 6:51	63	12/12/2015 23:56	58
9/12/2015 4:46	58	10/12/2015 5:51	51	11/12/2015 6:56	63	13/12/2015 0:01	56
9/12/2015 4:51	59	10/12/2015 5:56	62	11/12/2015 23:01	63	13/12/2015 0:06	57
9/12/2015 4:56	59	10/12/2015 6:01	62	11/12/2015 23:06	60	13/12/2015 0:11	56
9/12/2015 5:01	58	10/12/2015 6:06	53	11/12/2015 23:11	60	13/12/2015 0:16	55
9/12/2015 5:06	61	10/12/2015 6:11	53	11/12/2015 23:16	61	13/12/2015 0:21	56
9/12/2015 5:11	59	10/12/2015 6:16	55	11/12/2015 23:21	61	13/12/2015 0:26	52
9/12/2015 5:16	60	10/12/2015 6:21	58	11/12/2015 23:26	60	13/12/2015 0:31	46
9/12/2015 5:21	60	10/12/2015 6:26	59	11/12/2015 23:31	59	13/12/2015 0:36	62
9/12/2015 5:26	60	10/12/2015 6:31	57	11/12/2015 23:36	59	13/12/2015 0:41	62
9/12/2015 5:31	59	10/12/2015 6:36	61	11/12/2015 23:41	60	13/12/2015 0:46	46
9/12/2015 5:36	60	10/12/2015 6:41	62	11/12/2015 23:46	59	13/12/2015 0:51	57
9/12/2015 5:41	61	10/12/2015 6:46	63	11/12/2015 23:51	58	13/12/2015 0:56	50
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9/12/2015 5:51	61	10/12/2015 6:56	62	12/12/2015 0:01	58	13/12/2015 1:06	62
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9/12/2015 23:41	62	11/12/2015 0:46	57	12/12/2015 1:51	62	13/12/2015 2:56	61
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10/12/2015 5:11	59	11/12/2015 6:16	62	12/12/2015 7:2			

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)					
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17/12/2015 2:16	60	18/12/2015 3:21	58	19/12/2015 4:26	59	20/12/2015 5:31	59
17/12/2015 2:21	59	18/12/2015 3:26	58	19/12/2015 4:31	59	20/12/2015 5:36	59
17/12/2015 2:26	60	18/12/2015 3:31	58	19/12/2015 4:36	59	20/12/2015 5:41	59
17/12/2015 2:31	60	18/12/2015 3:36	59	19/12/2015 4:41	59	20/12/2015 5:46	60
17/12/2015 2:36	59	18/12/2015 3:41	58	19/12/2015 4:46	59	20/12/2015 5:51	61
17/12/2015 2:41	58	18/12/2015 3:46	58	19/12/2015 4:51	60	20/12/2015 5:56	61
17/12/2015 2:46	60	18/12/2015 3:51	59	19/12/2015 4:56	60	20/12/2015 6:01	60
17/12/2015 2:51	59	18/12/2015 3:56	58	19/12/2015 5:01	61	20/12/2015 6:06	61
17/12/2015 2:56	58	18/12/2015 4:01	58	19/12/2015 5:06	58	20/12/2015 6:11	60
17/12/2015 3:01	58	18/12/2015 4:06	58	19/12/2015 5:11	59	20/12/2015 6:16	60
17/12/2015 3:06	59	18/12/2015 4:11	59	19/12/2015 5:16	59	20/12/2015 6:21	61
17/12/2015 3:11	59	18/12/2015 4:16	58	19/12/2015 5:21	59	20/12/2015 6:26	61
17/12/2015 3:16	60	18/12/2015 4:21	58	19/12/2015 5:26	60	20/12/2015 6:31	61
17/12/2015 3:21	59	18/12/2015 4:26	57	19/12/2015 5:31	60	20/12/2015 6:36	61
17/12/2015 3:26	60	18/12/2015 4:31	59	19/12/2015 5:36	60	20/12/2015 6:41	62
17/12/2015 3:31	58	18/12/2015 4:36	58	19/12/2015 5:41	60	20/12/2015 6:46	61
17/12/2015 3:36	60	18/12/2015 4:41	58	19/12/2015 5:46	60	20/12/2015 6:51	62
17/12/2015 3:41							

Real-time Noise Data	RTN1 (Food and Environmental Hygiene Department Depot)			
23/12/2015 1:11 61	24/12/2015 2:16 60	25/12/2015 3:21 61	26/12/2015 4:26 60	
23/12/2015 1:16 62	24/12/2015 2:21 60	25/12/2015 3:26 62	26/12/2015 4:31 59	
23/12/2015 1:21 56	24/12/2015 2:26 60	25/12/2015 3:31 60	26/12/2015 4:36 59	
23/12/2015 1:26 60	24/12/2015 2:31 60	25/12/2015 3:36 60	26/12/2015 4:41 59	
23/12/2015 1:31 59	24/12/2015 2:36 59	25/12/2015 3:41 60	26/12/2015 4:46 60	
23/12/2015 1:36 60	24/12/2015 2:41 60	25/12/2015 3:46 60	26/12/2015 4:51 61	
23/12/2015 1:41 60	24/12/2015 2:46 60	25/12/2015 3:51 61	26/12/2015 4:56 59	
23/12/2015 1:46 59	24/12/2015 2:51 60	25/12/2015 3:56 60	26/12/2015 5:01 59	
23/12/2015 1:51 60	24/12/2015 2:56 60	25/12/2015 4:01 60	26/12/2015 5:06 60	
23/12/2015 1:56 59	24/12/2015 3:01 60	25/12/2015 4:06 59	26/12/2015 5:11 59	
23/12/2015 2:01 60	24/12/2015 3:06 59	25/12/2015 4:11 59	26/12/2015 5:16 60	
23/12/2015 2:06 59	24/12/2015 3:11 59	25/12/2015 4:16 59	26/12/2015 5:21 60	
23/12/2015 2:11 59	24/12/2015 3:16 59	25/12/2015 4:21 59	26/12/2015 5:26 59	
23/12/2015 2:16 59	24/12/2015 3:21 60	25/12/2015 4:26 59	26/12/2015 5:31 46	
23/12/2015 2:21 59	24/12/2015 3:26 59	25/12/2015 4:31 59	26/12/2015 5:36 60	
23/12/2015 2:26 59	24/12/2015 3:31 58	25/12/2015 4:36 60	26/12/2015 5:41 60	
23/12/2015 2:31 59	24/12/2015 3:36 59	25/12/2015 4:41 60	26/12/2015 5:46 60	
23/12/2015 2:36 58	24/12/2015 3:41 59	25/12/2015 4:46 59	26/12/2015 5:51 60	
23/12/2015 2:41 59	24/12/2015 3:46 59	25/12/2015 4:51 60	26/12/2015 5:56 60	
23/12/2015 2:46 60	24/12/2015 3:51 58	25/12/2015 4:56 59	26/12/2015 6:01 60	
23/12/2015 2:51 59	24/12/2015 3:56 59	25/12/2015 5:01 59	26/12/2015 6:06 60	
23/12/2015 2:56 59	24/12/2015 4:01 59	25/12/2015 5:06 60	26/12/2015 6:11 60	
23/12/2015 3:01 58	24/12/2015 4:06 59	25/12/2015 5:11 59	26/12/2015 6:16 61	
23/12/2015 3:06 58	24/12/2015 4:11 59	25/12/2015 5:16 60	26/12/2015 6:21 60	
23/12/2015 3:11 60	24/12/2015 4:16 59	25/12/2015 5:21 60	26/12/2015 6:26 60	
23/12/2015 3:16 58	24/12/2015 4:21 59	25/12/2015 5:26 60	26/12/2015 6:31 61	
23/12/2015 3:21 59	24/12/2015 4:26 58	25/12/2015 5:31 60	26/12/2015 6:36 62	
23/12/2015 3:26 57	24/12/2015 4:31 59	25/12/2015 5:36 60	26/12/2015 6:41 61	
23/12/2015 3:31 58	24/12/2015 4:36 58	25/12/2015 5:41 60	26/12/2015 6:46 61	
23/12/2015 3:36 59	24/12/2015 4:41 58	25/12/2015 5:46 60	26/12/2015 6:51 61	
23/12/2015 3:41 57	24/12/2015 4:46 58	25/12/2015 5:51 61	26/12/2015 6:56 61	
23/12/2015 3:46 57	24/12/2015 4:51 58	25/12/2015 5:56 61	26/12/2015 23:01 58	
23/12/2015 3:51 57	24/12/2015 4:56 59	25/12/2015 6:01 60	26/12/2015 23:06 56	
23/12/2015 3:56 58	24/12/2015 5:01 58	25/12/2015 6:06 60	26/12/2015 23:11 57	
23/12/2015 4:01 58	24/12/2015 5:06 59	25/12/2015 6:11 60	26/12/2015 23:16 60	
23/12/2015 4:06 57	24/12/2015 5:11 59	25/12/2015 6:16 60	26/12/2015 23:21 59	
23/12/2015 4:11 58	24/12/2015 5:16 58	25/12/2015 6:21 61	26/12/2015 23:26 59	
23/12/2015 4:16 58	24/12/2015 5:21 59	25/12/2015 6:26 61	26/12/2015 23:31 57	
23/12/2015 4:21 58	24/12/2015 5:26 59	25/12/2015 6:31 61	26/12/2015 23:36 55	
23/12/2015 4:26 59	24/12/2015 5:31 59	25/12/2015 6:36 61	26/12/2015 23:41 57	
23/12/2015 4:31 58	24/12/2015 5:36 61	25/12/2015 6:41 62	26/12/2015 23:46 55	
23/12/2015 4:36 58	24/12/2015 5:41 59	25/12/2015 6:46 61	26/12/2015 23:51 58	
23/12/2015 4:41 58	24/12/2015 5:46 60	25/12/2015 6:51 50	26/12/2015 23:56 57	
23/12/2015 4:46 58	24/12/2015 5:51 60	25/12/2015 6:56 61		
23/12/2015 4:51 58	24/12/2015 5:56 60	25/12/2015 23:01 55		
23/12/2015 4:56 58	24/12/2015 6:01 60	25/12/2015 23:06 58		
23/12/2015 5:01 58	24/12/2015 6:06 60	25/12/2015 23:11 55		
23/12/2015 5:06 59	24/12/2015 6:11 62	25/12/2015 23:16 57		
23/12/2015 5:11 58	24/12/2015 6:16 62	25/12/2015 23:21 57		
23/12/2015 5:16 59	24/12/2015 6:21 61	25/12/2015 23:26 57		
23/12/2015 5:21 59	24/12/2015 6:26 61	25/12/2015 23:31 57		
23/12/2015 5:26 59	24/12/2015 6:31 61	25/12/2015 23:36 57		
23/12/2015 5:31 59	24/12/2015 6:36 50	25/12/2015 23:41 57		
23/12/2015 5:36 60	24/12/2015 6:41 53	25/12/2015 23:46 62		
23/12/2015 5:41 59	24/12/2015 6:46 50	25/12/2015 23:51 61		
23/12/2015 5:46 60	24/12/2015 6:51 53	25/12/2015 23:56 58		
23/12/2015 5:51 60	24/12/2015 6:56 57	26/12/2015 0:01 61		
23/12/2015 5:56 60	24/12/2015 23:01 58	26/12/2015 0:06 54		
23/12/2015 6:01 60	24/12/2015 23:06 58	26/12/2015 0:11 53		
23/12/2015 6:06 61	24/12/2015 23:11 58	26/12/2015 0:16 47		
23/12/2015 6:11 60	24/12/2015 23:16 59	26/12/2015 0:21 52		
23/12/2015 6:16 61	24/12/2015 23:21 58	26/12/2015 0:26 57		
23/12/2015 6:21 61	24/12/2015 23:26 58	26/12/2015 0:31 54		
23/12/2015 6:26 61	24/12/2015 23:31 60	26/12/2015 0:36 51		
23/12/2015 6:31 62	24/12/2015 23:36 60	26/12/2015 0:41 39		
23/12/2015 6:36 52	24/12/2015 23:41 57	26/12/2015 0:46 61		
23/12/2015 6:41 55	24/12/2015 23:46 57	26/12/2015 0:51 62		
23/12/2015 6:46 57	24/12/2015 23:51 59	26/12/2015 0:56 62		
23/12/2015 6:51 55	24/12/2015 23:56 60	26/12/2015 1:01 62		
23/12/2015 6:56 60	25/12/2015 0:01 57	26/12/2015 1:06 61		
23/12/2015 23:01 59	25/12/2015 0:06 59	26/12/2015 1:11 61		
23/12/2015 23:06 59	25/12/2015 0:11 58	26/12/2015 1:16 61		
23/12/2015 23:11 57	25/12/2015 0:16 58	26/12/2015 1:21 61		
23/12/2015 23:16 58	25/12/2015 0:21 60	26/12/2015 1:26 61		
23/12/2015 23:21 59	25/12/2015 0:26 57	26/12/2015 1:31 61		
23/12/2015 23:26 59	25/12/2015 0:31 59	26/12/2015 1:36 61		
23/12/2015 23:31 59	25/12/2015 0:36 58	26/12/2015 1:41 61		
23/12/2015 23:36 58	25/12/2015 0:41 58	26/12/2015 1:46 61		
23/12/2015 23:41 57	25/12/2015 0:46 55	26/12/2015 1:51 61		
23/12/2015 23:46 55	25/12/2015 0:51 57	26/12/2015 1:56 61		
23/12/2015 23:51 58	25/12/2015 0:56 58	26/12/2015 2:01 62		
23/12/2015 23:56 56	25/12/2015 1:01 55	26/12/2015 2:06 60		
24/12/2015 0:01 54	25/12/2015 1:06 47	26/12/2015 2:11 60		
24/12/2015 0:06 57	25/12/2015 1:11 42	26/12/2015 2:16 60		
24/12/2015 0:11 59	25/12/2015 1:16 52	26/12/2015 2:21 60		
24/12/2015 0:16 57	25/12/2015 1:21 54	26/12/2015 2:26 60		
24/12/2015 0:21 55	25/12/2015 1:26 55	26/12/2015 2:31 60		
24/12/2015 0:26 53	25/12/2015 1:31 54	26/12/2015 2:36 61		
24/12/2015 0:31 53	25/12/2015 1:36 51	26/12/2015 2:41 61		
24/12/2015 0:36 47	25/12/2015 1:41 54	26/12/2015 2:46 61		
24/12/2015 0:41 52	25/12/2015 1:46 62	26/12/2015 2:51 61		
24/12/2015 0:46 62	25/12/2015 1:51 58	26/12/2015 2:56 61		
24/12/2015 0:51 61	25/12/2015 1:56 43	26/12/2015 3:01 60		
24/12/2015 0:56 47	25/12/2015 2:01 48	26/12/2015 3:06 60		
24/12/2015 1:01 47	25/12/2015 2:06 47	26/12/2015 3:11 60		
24/12/2015 1:06 62	25/12/2015 2:11 61	26/12/2015 3:16 59		
24/12/2015 1:11 61	25/12/2015 2:16 64	26/12/2015 3:21 60		
24/12/2015 1:16 61	25/12/2015 2:21 62	26/12/2015 3:26 59		
24/12/2015 1:21 61	25/12/2015 2:26 46	26/12/2015 3:31 59		
24/12/2015 1:26 61	25/12/2015 2:31 61	26/12/2015 3:36 61		
24/12/2015 1:31 60	25/12/2015 2:36 61	26/12/2015 3:41 59		
24/12/2015 1:36 61	25/12/2015 2:41 61	26/12/2015 3:46 59		
24/12/2015 1:41 61	25/12/2015 2:46 57	26/12/2015 3:51 59		
24/12/2015 1:46 61	25/12/2015 2:51 61	26/12/2015 3:56 59		
24/12/2015 1:51 61	25/12/2015 2:56 61	26/12/2015 4:01 59		
24/12/2015 1:56 61	25/12/2015 3:01 61	26/12/2015 4:06 59		
24/12/2015 2:01 61	25/12/2015 3:06 61	26/12/2015 4:11 60		
24/12/2015 2:06 59	25/12/2015 3:11 62	26/12/2015 4:16 59		
24/12/2015 2:11 59	25/12/2015 3:16 60	26/12/2015 4:21 60		

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
Normal Day 07:00-19:00											
28/11/2015 7:01	61	3/12/2015 12:31	64	9/12/2015 7:01	61	14/12/2015 13:31	69	19/12/2015 8:01	65	24/12/2015 14:31	63
28/11/2015 7:31	62	3/12/2015 13:01	62	9/12/2015 7:31	61	14/12/2015 14:01	69	19/12/2015 8:31	56	24/12/2015 15:01	54
28/11/2015 8:01	65	3/12/2015 13:31	66	9/12/2015 8:01	63	14/12/2015 14:31	70	19/12/2015 9:01	57	24/12/2015 15:31	59
28/11/2015 8:31	62	3/12/2015 14:01	64	9/12/2015 8:31	65	14/12/2015 15:01	69	19/12/2015 9:31	60	24/12/2015 16:01	67
28/11/2015 9:01	67	3/12/2015 14:31	69	9/12/2015 9:01	60	14/12/2015 15:31	57	19/12/2015 10:01	40	24/12/2015 16:31	66
28/11/2015 9:31	61	3/12/2015 15:01	59	9/12/2015 9:31	56	14/12/2015 16:01	65	19/12/2015 10:31	59	24/12/2015 17:01	64
28/11/2015 9:01	67	3/12/2015 15:31	57	9/12/2015 10:01	63	14/12/2015 16:31	67	19/12/2015 11:01	62	24/12/2015 17:31	63
28/11/2015 9:31	52	3/12/2015 16:01	67	9/12/2015 10:31	61	14/12/2015 17:01	62	19/12/2015 11:31	66	24/12/2015 18:01	63
28/11/2015 10:01	53	3/12/2015 16:31	63	9/12/2015 11:01	65	14/12/2015 17:31	67	19/12/2015 12:01	64	24/12/2015 18:31	63
28/11/2015 10:31	62	3/12/2015 17:01	67	9/12/2015 11:31	65	14/12/2015 18:01	66	19/12/2015 12:31	64		
28/11/2015 11:01	64	3/12/2015 17:31	65	9/12/2015 12:01	63	14/12/2015 18:31	64	19/12/2015 13:01	66	<u>Normal Day 19:00-23:00</u> <u>Sunday & Holiday</u> <u>07:00-23:00</u>	
28/11/2015 11:31	66	3/12/2015 18:01	62	9/12/2015 12:31	64	15/12/2015 7:01	61	19/12/2015 13:31	57		
28/11/2015 12:01	63	3/12/2015 18:31	61	9/12/2015 13:01	52	15/12/2015 7:31	61	19/12/2015 14:01	60	28/11/2015 19:01	36
28/11/2015 12:31	63	4/12/2015 7:01	61	9/12/2015 13:31	65	15/12/2015 8:01	65	19/12/2015 14:31	46	28/11/2015 19:06	45
28/11/2015 13:01	66	4/12/2015 7:31	62	9/12/2015 14:01	64	15/12/2015 8:31	62	19/12/2015 15:01	67	28/11/2015 19:11	61
28/11/2015 13:31	65	4/12/2015 8:01	65	9/12/2015 14:31	65	15/12/2015 9:01	63	19/12/2015 15:31	66	28/11/2015 19:16	61
28/11/2015 14:01	65	4/12/2015 8:31	62	9/12/2015 15:01	65	15/12/2015 9:31	69	19/12/2015 16:01	62	28/11/2015 19:21	61
28/11/2015 14:31	69	4/12/2015 9:01	65	9/12/2015 15:31	58	15/12/2015 10:01	67	19/12/2015 16:31	63	28/11/2015 19:26	61
28/11/2015 15:01	63	4/12/2015 9:31	62	9/12/2015 16:01	62	15/12/2015 10:31	67	19/12/2015 17:01	45	28/11/2015 19:31	62
28/11/2015 15:31	63	4/12/2015 10:01	58	9/12/2015 16:31	64	15/12/2015 11:01	71	19/12/2015 17:31	65	28/11/2015 19:36	45
28/11/2015 16:01	60	4/12/2015 10:31	64	9/12/2015 17:01	64	15/12/2015 11:31	55	19/12/2015 18:01	63	28/11/2015 19:41	50
28/11/2015 16:31	67	4/12/2015 11:01	66	9/12/2015 17:31	63	15/12/2015 12:01	62	19/12/2015 18:31	62	28/11/2015 19:46	54
28/11/2015 17:01	29	4/12/2015 11:31	62	9/12/2015 18:01	61	15/12/2015 12:31	63	21/12/2015 7:01	62	28/11/2015 19:51	48
28/11/2015 17:31	66	4/12/2015 12:01	64	9/12/2015 18:31	59	15/12/2015 13:01	67	21/12/2015 7:31	63	28/11/2015 19:56	62
28/11/2015 18:01	63	4/12/2015 12:31	63	10/12/2015 7:01	61	15/12/2015 13:31	69	21/12/2015 8:01	65	28/11/2015 20:01	61
28/11/2015 18:31	62	4/12/2015 13:01	57	10/12/2015 7:31	62	15/12/2015 14:01	70	21/12/2015 8:31	67	28/11/2015 20:06	60
30/11/2015 7:01	61	4/12/2015 13:31	65	10/12/2015 8:01	64	15/12/2015 14:31	73	21/12/2015 9:01	63	28/11/2015 20:11	61
30/11/2015 7:31	62	4/12/2015 14:01	65	10/12/2015 8:31	67	15/12/2015 15:01	76	21/12/2015 9:31	62	28/11/2015 20:16	61
30/11/2015 8:01	66	4/12/2015 14:31	67	10/12/2015 9:01	61	15/12/2015 15:31	48	21/12/2015 10:01	63	28/11/2015 20:21	46
30/11/2015 8:31	62	4/12/2015 15:01	64	10/12/2015 9:31	65	15/12/2015 16:01	50	21/12/2015 10:31	65	28/11/2015 20:26	61
30/11/2015 9:01	64	4/12/2015 15:31	67	10/12/2015 10:01	64	15/12/2015 16:31	60	21/12/2015 11:01	65	28/11/2015 20:31	52
30/11/2015 9:31	70	4/12/2015 16:01	59	10/12/2015 10:31	67	15/12/2015 17:01	55	21/12/2015 11:31	67	28/11/2015 20:36	60
30/11/2015 10:01	70	4/12/2015 16:31	65	10/12/2015 11:01	68	15/12/2015 17:31	67	21/12/2015 12:01	65	28/11/2015 20:41	60
30/11/2015 10:31	68	4/12/2015 17:01	64	10/12/2015 11:31	67	15/12/2015 18:01	65	21/12/2015 12:31	62	28/11/2015 20:46	62
30/11/2015 11:01	71	4/12/2015 17:31	48	10/12/2015 12:01	64	15/12/2015 18:31	64	21/12/2015 13:01	66	28/11/2015 20:51	60
30/11/2015 11:31	67	4/12/2015 18:01	64	10/12/2015 12:31	64	16/12/2015 7:01	61	21/12/2015 13:31	66	28/11/2015 20:56	60
30/11/2015 12:01	62	4/12/2015 18:31	66	10/12/2015 13:01	62	16/12/2015 7:31	63	21/12/2015 14:01	63	28/11/2015 21:01	61
30/11/2015 12:31	62	5/12/2015 7:01	60	10/12/2015 13:31	68	16/12/2015 8:01	66	21/12/2015 14:31	63	28/11/2015 21:06	60
30/11/2015 13:01	66	5/12/2015 7:31	61	10/12/2015 14:01	68	16/12/2015 8:31	53	21/12/2015 15:01	65	28/11/2015 21:11	60
30/11/2015 13:31	69	5/12/2015 8:01	65	10/12/2015 14:31	67	16/12/2015 9:01	59	21/12/2015 15:31	66	28/11/2015 21:16	61
30/11/2015 14:01	64	5/12/2015 8:31	65	10/12/2015 15:01	61	16/12/2015 9:31	60	21/12/2015 16:01	61	28/11/2015 21:21	60
30/11/2015 14:31	67	5/12/2015 9:01	68	10/12/2015 15:31	65	16/12/2015 10:01	62	21/12/2015 16:31	66	28/11/2015 21:26	60
30/11/2015 15:01	70	5/12/2015 9:31	66	10/12/2015 16:01	64	16/12/2015 10:31	64	21/12/2015 17:01	55	28/11/2015 21:31	61
30/11/2015 15:31	68	5/12/2015 10:01	67	10/12/2015 16:31	64	16/12/2015 11:01	66	21/12/2015 17:31	66	28/11/2015 21:36	61
30/11/2015 16:01	66	5/12/2015 10:31	63	10/12/2015 17:01	67	16/12/2015 11:31	61	21/12/2015 18:01	64	28/11/2015 21:41	45
30/11/2015 16:31	66	5/12/2015 11:01	65	10/12/2015 17:31	65	16/12/2015 12:01	66	21/12/2015 18:31	61	28/11/2015 21:46	61
30/11/2015 17:01	57	5/12/2015 11:31	56	10/12/2015 18:01	63	16/12/2015 12:31	65	22/12/2015 7:01	62	28/11/2015 21:51	61
30/11/2015 17:31	52	5/12/2015 12:01	64	10/12/2015 18:31	62	16/12/2015 13:01	59	22/12/2015 7:31	63	28/11/2015 21:56	60
30/11/2015 18:01	65	5/12/2015 12:31	63	11/12/2015 7:01	61	16/12/2015 13:31	62	22/12/2015 8:01	65	28/11/2015 22:01	62
30/11/2015 18:31	62	5/12/2015 13:01	51	11/12/2015 7:31	61	16/12/2015 14:01	65	22/12/2015 8:31	67	28/11/2015 22:06	46
1/12/2015 7:01	61	5/12/2015 13:31	65	11/12/2015 8:01	64	16/12/2015 14:31	62	22/12/2015 9:01	62	28/11/2015 22:11	61
1/12/2015 7:31	62	5/12/2015 14:01	60	11/12/2015 8:31	67	16/12/2015 15:01	51	22/12/2015 9:31	64	28/11/2015 22:16	60
1/12/2015 8:01	65	5/12/2015 14:31	42	11/12/2015 9:01	67	16/12/2015 15:31	67	22/12/2015 10:01	64	28/11/2015 22:21	60
1/12/2015 8:31	62	5/12/2015 15:01	36	11/12/2015 9:31	64	16/12/2015 16:01	60	22/12/2015 10:31	67	28/11/2015 22:26	60
1/12/2015 9:01	66	5/12/2015 15:31	54	11/12/2015 10:01	67	16/12/2015 16:31	58	22/12/2015 11:01	68	28/11/2015 22:31	61
1/12/2015 9:31	68	5/12/2015 16:01	63	11/12/2015 10:31	66	16/12/2015 17:01	67	22/12/2015 11:31	66	28/11/2015 22:36	60
1/12/2015 10:01	69	5/12/2015 16:31	59	11/12/2015 11:01	65	16/12/2015 17:31	65	22/12/2015 12:01	63	28/11/2015 22:41	52
1/12/2015 10:31	68	5/12/2015 17:01	66	11/12/2015 11:31	66	16/12/2015 18:01	64	22/12/2015 12:31	64	28/11/2015 22:46	60
1/12/2015 11:01	67	5/12/2015 17:31	64	11/12/2015 12:01	62	16/12/2015 18:31	63	22/12/2015 13:01	64	28/11/2015 22:51	60
1/12/2015 11:31	67	5/12/2015 18:01	62	11/12/2015 12:31	62	17/12/2015 7:01	61	22/12/2015 13:31	68	28/11/2015 22:56	61
1/12/2015 12:01	64	5/12/2015 18:31	61	11/12/2015 13:01	66	17/12/2015 7:31	61	22/12/2015 14:01	67	29/11/2015 7:01	59
1/12/2015 12:31	64	7/12/2015 7:01	62	11/12/2015 13:31	66	17/12/2015 8:01	65	22/12/2015 14:31	65	29/11/2015 7:06	59
1/12/2015 13:01	61	7/12/2015 7:31	62	11/12/2015 14:01	62	17/12/2015 8:31	67	22/12/2015 15:01	65	29/11/2015 7:11	59
1/12/2015 13:31	66	7/12/2015 8:01	65	11/12/2015 14:31	65	17/12/2015 9:01	67	22/12/2015 15:31	61	29/11/2015 7:16	60
1/12/2015 14:01	68	7/12/2015 8:31	55	11/12/2015 15:01	65	17/12/2015 9:31	55	22/12/2015 16:01	67	29/11/2015 7:21	60
1/12/2015 14:31	67	7/12/2015 9:01	63	11/12/2015 15:31	67	17/12/2015 10:01	60	22/12/2015 16:31	63	29/11/2015 7:26	60
1/12/2015 15:01	60	7/12/2015 9:31	65	11/12/2015 16:01	63	17/12/2015 10:31	57	22/12/2015 17:01	62	29/11/2015 7:31	59
1/12/2015 15:31	54	7/12/2015 10:01	66	11/12/2015 16:31	65	17/12/2015 11:01	67	22/12/2015 17:31	62	29/11/2015 7:36	48
1/12/2015 16:01	66	7/12/2015 10:31	65	11/12/2015 17:01	66	17/12/2015 11:31	66	22/12/2015 18:01	61	29/11/2015 7:41	59
1/12/2015 16:31	66	7/12/2015 11:01	66	11/12/2015 17:31	65	17/12/2015 12:01	63	22/12/2015 18:31	62	29/11/2015 7:46	60
1/12/2015 17:01	64	7/12/2015 11:31	63	11/12/2015 18:01	60	17/12/2015 12:31	64	23/12/2015 7:01	62</		

Real-time Noise Data	RTN2a (Hong Kong Electric Centre)				
29/11/2015 10:56 61	29/11/2015 20:01 61	1/12/2015 21:06 61	3/12/2015 22:11 60	6/12/2015 7:16 60	6/12/2015 16:21 58
29/11/2015 11:01 62	29/11/2015 20:06 62	1/12/2015 21:11 61	3/12/2015 22:16 60	6/12/2015 7:21 60	6/12/2015 16:26 62
29/11/2015 11:06 61	29/11/2015 20:11 60	1/12/2015 21:16 60	3/12/2015 22:21 61	6/12/2015 7:26 61	6/12/2015 16:31 62
29/11/2015 11:11 61	29/11/2015 20:16 60	1/12/2015 21:21 62	3/12/2015 22:26 60	6/12/2015 7:31 60	6/12/2015 16:36 42
29/11/2015 11:16 61	29/11/2015 20:21 61	1/12/2015 21:26 62	3/12/2015 22:31 60	6/12/2015 7:36 60	6/12/2015 16:41 62
29/11/2015 11:21 61	29/11/2015 20:26 61	1/12/2015 21:31 61	3/12/2015 22:36 60	6/12/2015 7:41 58	6/12/2015 16:46 61
29/11/2015 11:26 61	29/11/2015 20:31 60	1/12/2015 21:36 60	3/12/2015 22:41 61	6/12/2015 7:46 61	6/12/2015 16:51 56
29/11/2015 11:31 61	29/11/2015 20:36 60	1/12/2015 21:41 60	3/12/2015 22:46 61	6/12/2015 7:51 61	6/12/2015 16:56 54
29/11/2015 11:36 56	29/11/2015 20:41 60	1/12/2015 21:46 61	3/12/2015 22:51 61	6/12/2015 7:56 61	6/12/2015 17:01 55
29/11/2015 11:41 61	29/11/2015 20:46 60	1/12/2015 21:51 61	3/12/2015 22:56 59	6/12/2015 8:01 61	6/12/2015 17:06 57
29/11/2015 11:46 61	29/11/2015 20:51 60	1/12/2015 21:56 61	4/12/2015 19:01 61	6/12/2015 8:06 46	6/12/2015 17:11 50
29/11/2015 11:51 61	29/11/2015 20:56 61	1/12/2015 22:01 61	4/12/2015 19:06 61	6/12/2015 8:11 61	6/12/2015 17:16 56
29/11/2015 11:56 61	29/11/2015 21:01 60	1/12/2015 22:06 60	4/12/2015 19:11 60	6/12/2015 8:16 61	6/12/2015 17:21 46
29/11/2015 12:01 62	29/11/2015 21:06 60	1/12/2015 22:11 61	4/12/2015 19:16 61	6/12/2015 8:21 61	6/12/2015 17:26 52
29/11/2015 12:06 60	29/11/2015 21:11 60	1/12/2015 22:16 61	4/12/2015 19:21 49	6/12/2015 8:26 62	6/12/2015 17:31 51
29/11/2015 12:11 61	29/11/2015 21:16 60	1/12/2015 22:21 47	4/12/2015 19:26 62	6/12/2015 8:31 51	6/12/2015 17:36 53
29/11/2015 12:16 59	29/11/2015 21:21 61	1/12/2015 22:26 61	4/12/2015 19:31 61	6/12/2015 8:36 62	6/12/2015 17:41 62
29/11/2015 12:21 62	29/11/2015 21:26 60	1/12/2015 22:31 61	4/12/2015 19:36 61	6/12/2015 8:41 62	6/12/2015 17:46 55
29/11/2015 12:26 61	29/11/2015 21:31 60	1/12/2015 22:36 62	4/12/2015 19:41 61	6/12/2015 8:46 53	6/12/2015 17:51 50
29/11/2015 12:31 61	29/11/2015 21:36 61	1/12/2015 22:41 60	4/12/2015 19:46 61	6/12/2015 8:51 59	6/12/2015 17:56 62
29/11/2015 12:36 61	29/11/2015 21:41 60	1/12/2015 22:46 61	4/12/2015 19:51 45	6/12/2015 8:56 54	6/12/2015 18:01 50
29/11/2015 12:41 61	29/11/2015 21:46 60	1/12/2015 22:51 60	4/12/2015 19:56 46	6/12/2015 9:01 53	6/12/2015 18:06 50
29/11/2015 12:46 61	29/11/2015 21:51 60	1/12/2015 22:56 60	4/12/2015 20:01 62	6/12/2015 9:06 62	6/12/2015 18:11 62
29/11/2015 12:51 61	29/11/2015 21:56 61	2/12/2015 19:01 60	4/12/2015 20:06 49	6/12/2015 9:11 55	6/12/2015 18:16 62
29/11/2015 12:56 61	29/11/2015 22:01 60	2/12/2015 19:06 61	4/12/2015 20:11 61	6/12/2015 9:16 48	6/12/2015 18:21 50
29/11/2015 13:01 46	29/11/2015 22:06 60	2/12/2015 19:11 61	4/12/2015 20:16 62	6/12/2015 9:21 62	6/12/2015 18:26 47
29/11/2015 13:06 61	29/11/2015 22:11 61	2/12/2015 19:16 55	4/12/2015 20:21 61	6/12/2015 9:26 62	6/12/2015 18:31 62
29/11/2015 13:11 61	29/11/2015 22:16 60	2/12/2015 19:21 62	4/12/2015 20:26 61	6/12/2015 9:31 55	6/12/2015 18:36 62
29/11/2015 13:16 46	29/11/2015 22:21 60	2/12/2015 19:26 62	4/12/2015 20:31 61	6/12/2015 9:36 55	6/12/2015 18:41 62
29/11/2015 13:21 62	29/11/2015 22:26 60	2/12/2015 19:31 62	4/12/2015 20:36 61	6/12/2015 9:41 55	6/12/2015 18:46 62
29/11/2015 13:26 48	29/11/2015 22:31 60	2/12/2015 19:36 61	4/12/2015 20:41 61	6/12/2015 9:46 53	6/12/2015 18:51 61
29/11/2015 13:31 61	29/11/2015 22:36 60	2/12/2015 19:41 62	4/12/2015 20:46 62	6/12/2015 9:51 52	6/12/2015 18:56 62
29/11/2015 13:36 61	29/11/2015 22:41 60	2/12/2015 19:46 55	4/12/2015 20:51 61	6/12/2015 9:56 57	6/12/2015 19:01 62
29/11/2015 13:41 61	29/11/2015 22:46 60	2/12/2015 19:51 62	4/12/2015 20:56 61	6/12/2015 10:01 53	6/12/2015 19:06 62
29/11/2015 13:46 62	29/11/2015 22:51 60	2/12/2015 19:56 62	4/12/2015 21:01 61	6/12/2015 10:06 52	6/12/2015 19:11 56
29/11/2015 13:51 61	29/11/2015 22:56 60	2/12/2015 20:01 61	4/12/2015 21:06 62	6/12/2015 10:11 56	6/12/2015 19:16 62
29/11/2015 13:56 61	30/11/2015 19:01 48	2/12/2015 20:06 60	4/12/2015 21:11 60	6/12/2015 10:16 53	6/12/2015 19:21 62
29/11/2015 14:01 49	30/11/2015 19:06 48	2/12/2015 20:11 56	4/12/2015 21:16 60	6/12/2015 10:21 62	6/12/2015 19:26 61
29/11/2015 14:06 48	30/11/2015 19:11 62	2/12/2015 20:16 61	4/12/2015 21:21 60	6/12/2015 10:26 54	6/12/2015 19:31 62
29/11/2015 14:11 61	30/11/2015 19:16 62	2/12/2015 20:21 61	4/12/2015 21:26 61	6/12/2015 10:31 52	6/12/2015 19:36 61
29/11/2015 14:16 61	30/11/2015 19:21 62	2/12/2015 20:26 61	4/12/2015 21:31 61	6/12/2015 10:36 62	6/12/2015 19:41 61
29/11/2015 14:21 62	30/11/2015 19:26 62	2/12/2015 20:31 61	4/12/2015 21:36 61	6/12/2015 10:41 62	6/12/2015 19:46 62
29/11/2015 14:26 61	30/11/2015 19:31 58	2/12/2015 20:36 43	4/12/2015 21:41 61	6/12/2015 10:46 50	6/12/2015 19:51 62
29/11/2015 14:31 61	30/11/2015 19:36 55	2/12/2015 20:41 61	4/12/2015 21:46 47	6/12/2015 10:51 62	6/12/2015 19:56 62
29/11/2015 14:36 62	30/11/2015 19:41 48	2/12/2015 20:46 61	4/12/2015 21:51 61	6/12/2015 10:56 50	6/12/2015 20:01 61
29/11/2015 14:41 62	30/11/2015 19:46 42	2/12/2015 20:51 61	4/12/2015 21:56 61	6/12/2015 11:01 62	6/12/2015 20:06 61
29/11/2015 14:46 61	30/11/2015 19:51 61	2/12/2015 20:56 61	4/12/2015 22:01 61	6/12/2015 11:06 49	6/12/2015 20:11 61
29/11/2015 14:51 61	30/11/2015 19:56 62	2/12/2015 21:01 61	4/12/2015 22:06 61	6/12/2015 11:11 55	6/12/2015 20:16 46
29/11/2015 14:56 61	30/11/2015 20:01 61	2/12/2015 21:06 61	4/12/2015 22:11 61	6/12/2015 11:16 54	6/12/2015 20:21 61
29/11/2015 15:01 61	30/11/2015 20:06 59	2/12/2015 21:11 61	4/12/2015 22:16 61	6/12/2015 11:21 51	6/12/2015 20:26 54
29/11/2015 15:06 62	30/11/2015 20:11 61	2/12/2015 21:16 61	4/12/2015 22:21 60	6/12/2015 11:26 62	6/12/2015 20:31 57
29/11/2015 15:11 62	30/11/2015 20:16 61	2/12/2015 21:21 61	4/12/2015 22:26 61	6/12/2015 11:31 53	6/12/2015 20:36 62
29/11/2015 15:16 61	30/11/2015 20:21 62	2/12/2015 21:26 61	4/12/2015 22:31 61	6/12/2015 11:36 62	6/12/2015 20:41 61
29/11/2015 15:21 58	30/11/2015 20:26 61	2/12/2015 21:31 61	4/12/2015 22:36 61	6/12/2015 11:41 54	6/12/2015 20:46 61
29/11/2015 15:26 47	30/11/2015 20:31 61	2/12/2015 21:36 61	4/12/2015 22:41 61	6/12/2015 11:46 55	6/12/2015 20:51 61
29/11/2015 15:31 62	30/11/2015 20:36 60	2/12/2015 21:41 61	4/12/2015 22:46 61	6/12/2015 11:51 62	6/12/2015 20:56 61
29/11/2015 15:36 61	30/11/2015 20:41 52	2/12/2015 21:46 61	4/12/2015 22:51 60	6/12/2015 11:56 62	6/12/2015 21:01 61
29/11/2015 15:41 61	30/11/2015 20:46 61	2/12/2015 21:51 61	4/12/2015 22:56 61	6/12/2015 12:01 62	6/12/2015 21:06 59
29/11/2015 15:46 51	30/11/2015 20:51 60	2/12/2015 21:56 61	5/12/2015 19:01 61	6/12/2015 12:06 54	6/12/2015 21:11 61
29/11/2015 15:51 61	30/11/2015 20:56 60	2/12/2015 22:01 62	5/12/2015 19:06 61	6/12/2015 12:11 61	6/12/2015 21:16 61
29/11/2015 15:56 61	30/11/2015 21:01 60	2/12/2015 22:06 61	5/12/2015 19:11 69	6/12/2015 12:16 61	6/12/2015 21:21 61
29/11/2015 16:01 62	30/11/2015 21:06 60	2/12/2015 22:11 61	5/12/2015 19:16 60	6/12/2015 12:21 62	6/12/2015 21:26 61
29/11/2015 16:06 61	30/11/2015 21:11 60	2/12/2015 22:16 53	5/12/2015 19:21 61	6/12/2015 12:26 54	6/12/2015 21:31 61
29/11/2015 16:11 61	30/11/2015 21:16 60	2/12/2015 22:21 61	5/12/2015 19:26 62	6/12/2015 12:31 57	6/12/2015 21:36 61
29/11/2015 16:16 61	30/11/2015 21:21 61	2/12/2015 22:26 61	5/12/2015 19:31 50	6/12/2015 12:36 57	6/12/2015 21:41 62
29/11/2015 16:21 61	30/11/2015 21:26 61	2/12/2015 22:31 61	5/12/2015 19:36 62	6/12/2015 12:41 53	6/12/2015 21:46 61
29/11/2015 16:26 62	30/11/2015 21:31 61	2/12/2015 22:36 53	5/12/2015 19:41 61	6/12/2015 12:46 52	6/12/2015 21:51 61
29/11/2015 16:31 54	30/11/2015 21:36 61	2/12/2015 22:41 61	5/12/2015 19:46 61	6/12/2015 12:51 55	6/12/2015 21:56 61
29/11/2015 16:36 62	30/11/2015 21:41 53	2/12/2015 22:46 61	5/12/2015 19:51 46	6/12/2015 12:56 57	6/12/2015 22:01 61
29/11/2015 16:41 62	30/11/2015 21:46 60	2/12/2015 22:51 60	5/12/2015 19:56 51	6/12/2015 13:01 62	6/12/2015 22:06 61
29/11/2015 16:46 61	30/11/2015 21:51 61	2/12/2015 22:56 60	5/12/2015 20:01 55	6/12/2015 13:06 59	6/12/2015 22:11 62
29/11/2015 16:51 61	30/11/2015 21:56 61	3/12/2015 19:01 59	5/12/2015 20:06 62	6/12/2015 13:11 51	6/12/2015 22:16 60
29/11/2015 16:56 61	30/11/2015 22:01 52	3/12/2015 19:06 59	5/12/2015 20:11 43	6/12/2015 13:16 49	6/12/2015 22:21 61
29/11/2015 17:01 46	30/11/2015 22:06 61	3/12/2015 19:11 60	5/12/2015 20:16 62	6/12/2015 13:21 54	6/12/2015 22:26 61
29/11/2015 17:06 61	30/11/2015 22:11 61	3/12/2015 19:16 60	5/12/2015 20:21 62	6/12/2015 13:26 48	6/12/2015 22:31 61
29/11/2015 17:11 62	30/11/2015 22:16 56	3/12/2015 19:21 61	5/12/2015 20:26 61	6/12/2015 13:31 52	6/12/2015 22:36 61
29/11/2015 17:16 61	30/11/2015 22:21 61	3/12/2015 19:26 61	5/12/2015 20:31 62	6/12/2015 13:36 49	6/12/2015 22:41 61
29/11/2015 17:21 52	30/11/2015 22:26 62	3/12/2015 19:31 60	5/12/2015 20:36 62	6/12/2015 13:41 54	6/12/2015 22:46 61
29/11/2015 17:26 61	30/11/2015 22:31 61	3/12/2015 19:36 61	5/12/2015 20:41 61	6/12/2015 13:46 53	6/12/2015 22:51 62
29/11/2015 17:31 61	30/11/2015 22:36 60	3/12/2015 19:41 60	5/12/2015 20:46 61	6/12/2015 13:51 55	6/12/2015 22:56 62
29/11/2015 17:36 61	30/11/2015 22:41 60	3/12/2015 19:46 61	5/12/2015 20:51 58	6/12/2015 13:56 55	7/12/2015 19:01 62
29/11/2015 17:41 62	30/11/2015 22:46 60	3/12/2015 19:51 61	5/12/2015 20:56 44	6/12/2015 14:01 59	7/12/2015 19:06 61
29/11/2015 17:46 61	30/11/2015 22:51 60	3/12/2015 19:56 60	5/12/2015 21:01 62	6/12/2015 14:06 54	7/12/2015 19:11 60
29/11/2015 17:51 61	30/11/2015 22:56 60	3/12/2015 20:01 61	5/12/2015 21:06 62	6/12/2015 14:11 53	7/12/2015 19:16 60
29/11/2015 17:56 61	1/12/2015 19:01 61	3/12/2015 20:06 61	5/12/2015 21:11 61	6/12/2015 14:16 40	7/12/2015 19:21 61
29/11/2015 18:01					

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)					
7/12/2015 21:26	61	9/12/2015 22:31	62	12/12/2015 19:36	56	13/12/2015 12:41	62
7/12/2015 21:31	61	9/12/2015 22:36	57	12/12/2015 19:41	59	13/12/2015 12:46	61
7/12/2015 21:36	61	9/12/2015 22:41	62	12/12/2015 19:46	60	13/12/2015 12:51	62
7/12/2015 21:41	49	9/12/2015 22:46	58	12/12/2015 19:51	58	13/12/2015 12:56	52
7/12/2015 21:46	62	9/12/2015 22:51	59	12/12/2015 19:56	58	13/12/2015 13:01	59
7/12/2015 21:51	52	9/12/2015 22:56	61	12/12/2015 20:01	62	13/12/2015 13:06	61
7/12/2015 21:56	61	10/12/2015 19:01	61	12/12/2015 20:06	61	13/12/2015 13:11	61
7/12/2015 22:01	61	10/12/2015 19:06	62	12/12/2015 20:11	62	13/12/2015 13:16	62
7/12/2015 22:06	60	10/12/2015 19:11	60	12/12/2015 20:16	61	13/12/2015 13:21	62
7/12/2015 22:11	61	10/12/2015 19:16	60	12/12/2015 20:21	61	13/12/2015 13:26	52
7/12/2015 22:16	60	10/12/2015 19:21	60	12/12/2015 20:26	62	13/12/2015 13:31	50
7/12/2015 22:21	61	10/12/2015 19:26	59	12/12/2015 20:31	61	13/12/2015 13:36	54
7/12/2015 22:26	62	10/12/2015 19:31	60	12/12/2015 20:36	61	13/12/2015 13:41	62
7/12/2015 22:31	61	10/12/2015 19:36	61	12/12/2015 20:41	61	13/12/2015 13:46	57
7/12/2015 22:36	61	10/12/2015 19:41	61	12/12/2015 20:46	61	13/12/2015 13:51	54
7/12/2015 22:41	60	10/12/2015 19:46	60	12/12/2015 20:51	61	13/12/2015 13:56	55
7/12/2015 22:46	61	10/12/2015 19:51	49	12/12/2015 20:56	62	13/12/2015 14:01	46
7/12/2015 22:51	60	10/12/2015 19:56	61	12/12/2015 21:01	61	13/12/2015 14:06	62
7/12/2015 22:56	61	10/12/2015 20:01	61	12/12/2015 21:06	61	13/12/2015 14:11	62
8/12/2015 19:01	62	10/12/2015 20:06	43	12/12/2015 21:11	62	13/12/2015 14:16	62
8/12/2015 19:06	55	10/12/2015 20:11	49	12/12/2015 21:16	60	13/12/2015 14:21	61
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8/12/2015 19:21	52	10/12/2015 20:26	61	12/12/2015 21:31	61	13/12/2015 14:36	56
8/12/2015 19:26	56	10/12/2015 20:31	61	12/12/2015 21:36	60	13/12/2015 14:41	52
8/12/2015 19:31	62	10/12/2015 20:36	61	12/12/2015 21:41	60	13/12/2015 14:46	45
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8/12/2015 19:41	49	10/12/2015 20:46	62	12/12/2015 21:51	61	13/12/2015 14:56	39
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Real-time Noise Data	RTN2a (Hong Kong Electric Centre)				
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19/12/2015 22:16 62	20/12/2015 15:21 43	21/12/2015 20:26 52	23/12/2015 21:31 61	25/12/2015 10:36 61	25/12/2015 19:41 55
19/12/2015 22:21 60	20/12/2015 15:26 62	21/12/2015 20:31 55	23/12/2015 21:36 61	25/12/2015 10:41 60	25/12/2015 19:46 61
19/12/2015 22:26 61	20/12/2015 15:31 62	21/12/2015 20:36 61	23/12/2015 21:41 62	25/12/2015 10:46 60	25/12/2015 19:51 62
19/12/2015 22:31 61	20/12/2015 15:36 52	21/12/2015 20:41 61	23/12/2015 21:46 61	25/12/2015 10:51 58	25/12/2015 19:56 61
19/12/2015 22:36 60	20/12/2015 15:41 62	21/12/2015 20:46 61	23/12/2015 21:51 61	25/12/2015 10:56 58	25/12/2015 20:01 61
19/12/2015 22:41 60	20/12/2015 15:46 49	21/12/2015 20:51 49	23/12/2015 21:56 46	25/12/2015 11:01 56	25/12/2015 20:06 62
19/12/2015 22:46 62	20/12/2015 15:51 51	21/12/2015 20:56 61	23/12/2015 22:01 58	25/12/2015 11:0	

Real-time Noise Data	RTN2a (Hong Kong Electric Centre)				
25/12/2015 22:26 55	26/12/2015 15:31 59	28/11/2015 1:21 48	29/11/2015 2:26 58	30/11/2015 3:31 54	1/12/2015 4:36 54
25/12/2015 22:31 61	26/12/2015 15:36 60	28/11/2015 1:26 51	29/11/2015 2:31 57	30/11/2015 3:36 55	1/12/2015 4:41 54
25/12/2015 22:36 61	26/12/2015 15:41 58	28/11/2015 1:31 47	29/11/2015 2:36 57	30/11/2015 3:41 54	1/12/2015 4:46 57
25/12/2015 22:41 60	26/12/2015 15:46 57	28/11/2015 1:36 45	29/11/2015 2:41 58	30/11/2015 3:46 55	1/12/2015 4:51 56
25/12/2015 22:46 61	26/12/2015 15:51 54	28/11/2015 1:41 50	29/11/2015 2:46 57	30/11/2015 3:51 55	1/12/2015 4:56 55
25/12/2015 22:51 62	26/12/2015 15:56 57	28/11/2015 1:46 58	29/11/2015 2:51 57	30/11/2015 3:56 55	1/12/2015 5:01 55
25/12/2015 22:56 61	26/12/2015 16:01 57	28/11/2015 1:51 43	29/11/2015 2:56 57	30/11/2015 4:01 54	1/12/2015 5:06 55
26/12/2015 7:01 59	26/12/2015 16:06 55	28/11/2015 1:56 48	29/11/2015 3:01 56	30/11/2015 4:06 54	1/12/2015 5:11 56
26/12/2015 7:06 59	26/12/2015 16:11 59	28/11/2015 2:01 44	29/11/2015 3:06 57	30/11/2015 4:11 54	1/12/2015 5:16 56
26/12/2015 7:11 60	26/12/2015 16:16 56	28/11/2015 2:06 48	29/11/2015 3:11 56	30/11/2015 4:16 55	1/12/2015 5:21 56
26/12/2015 7:16 60	26/12/2015 16:21 57	28/11/2015 2:11 48	29/11/2015 3:16 56	30/11/2015 4:21 54	1/12/2015 5:26 56
26/12/2015 7:21 60	26/12/2015 16:26 57	28/11/2015 2:16 43	29/11/2015 3:21 57	30/11/2015 4:26 55	1/12/2015 5:31 56
26/12/2015 7:26 60	26/12/2015 16:31 47	28/11/2015 2:21 58	29/11/2015 3:26 56	30/11/2015 4:31 55	1/12/2015 5:36 57
26/12/2015 7:31 61	26/12/2015 16:36 54	28/11/2015 2:26 58	29/11/2015 3:31 57	30/11/2015 4:36 54	1/12/2015 5:41 56
26/12/2015 7:36 60	26/12/2015 16:41 55	28/11/2015 2:31 58	29/11/2015 3:36 57	30/11/2015 4:41 54	1/12/2015 5:46 57
26/12/2015 7:41 60	26/12/2015 16:46 57	28/11/2015 2:36 58	29/11/2015 3:41 58	30/11/2015 4:46 55	1/12/2015 5:51 56
26/12/2015 7:46 61	26/12/2015 16:51 59	28/11/2015 2:41 58	29/11/2015 3:46 57	30/11/2015 4:51 55	1/12/2015 5:56 58
26/12/2015 7:51 61	26/12/2015 16:56 58	28/11/2015 2:46 58	29/11/2015 3:51 57	30/11/2015 4:56 55	1/12/2015 6:01 57
26/12/2015 7:56 61	26/12/2015 17:01 59	28/11/2015 2:51 57	29/11/2015 3:56 56	30/11/2015 5:01 55	1/12/2015 6:06 57
26/12/2015 8:01 61	26/12/2015 17:06 57	28/11/2015 2:56 57	29/11/2015 4:01 55	30/11/2015 5:06 55	1/12/2015 6:11 58
26/12/2015 8:06 61	26/12/2015 17:11 57	28/11/2015 3:01 58	29/11/2015 4:06 56	30/11/2015 5:11 56	1/12/2015 6:16 58
26/12/2015 8:11 62	26/12/2015 17:16 57	28/11/2015 3:06 58	29/11/2015 4:11 56	30/11/2015 5:16 56	1/12/2015 6:21 52
26/12/2015 8:16 61	26/12/2015 17:21 58	28/11/2015 3:11 57	29/11/2015 4:16 56	30/11/2015 5:21 56	1/12/2015 6:26 51
26/12/2015 8:21 51	26/12/2015 17:26 57	28/11/2015 3:16 57	29/11/2015 4:21 56	30/11/2015 5:26 57	1/12/2015 6:31 52
26/12/2015 8:26 61	26/12/2015 17:31 58	28/11/2015 3:21 56	29/11/2015 4:26 56	30/11/2015 5:31 57	1/12/2015 6:36 52
26/12/2015 8:31 58	26/12/2015 17:36 56	28/11/2015 3:26 58	29/11/2015 4:31 57	30/11/2015 5:36 56	1/12/2015 6:41 54
26/12/2015 8:36 61	26/12/2015 17:41 55	28/11/2015 3:31 57	29/11/2015 4:36 56	30/11/2015 5:41 56	1/12/2015 6:46 56
26/12/2015 8:41 57	26/12/2015 17:46 57	28/11/2015 3:36 57	29/11/2015 4:41 57	30/11/2015 5:46 57	1/12/2015 6:51 56
26/12/2015 8:46 58	26/12/2015 17:51 55	28/11/2015 3:41 57	29/11/2015 4:46 57	30/11/2015 5:51 57	1/12/2015 6:56 58
26/12/2015 8:51 54	26/12/2015 17:56 56	28/11/2015 3:46 57	29/11/2015 4:51 56	30/11/2015 5:56 58	1/12/2015 23:01 57
26/12/2015 8:56 58	26/12/2015 18:01 57	28/11/2015 3:51 57	29/11/2015 4:56 57	30/11/2015 6:01 57	1/12/2015 23:06 54
26/12/2015 9:01 54	26/12/2015 18:06 56	28/11/2015 3:56 57	29/11/2015 5:01 56	30/11/2015 6:06 57	1/12/2015 23:11 56
26/12/2015 9:06 56	26/12/2015 18:11 59	28/11/2015 4:01 57	29/11/2015 5:06 56	30/11/2015 6:11 58	1/12/2015 23:16 56
26/12/2015 9:11 56	26/12/2015 18:16 58	28/11/2015 4:06 57	29/11/2015 5:11 57	30/11/2015 6:16 48	1/12/2015 23:21 54
26/12/2015 9:16 59	26/12/2015 18:21 57	28/11/2015 4:11 56	29/11/2015 5:16 57	30/11/2015 6:21 48	1/12/2015 23:26 54
26/12/2015 9:21 58	26/12/2015 18:26 57	28/11/2015 4:16 56	29/11/2015 5:21 56	30/11/2015 6:26 53	1/12/2015 23:31 55
26/12/2015 9:26 55	26/12/2015 18:31 59	28/11/2015 4:21 56	29/11/2015 5:26 57	30/11/2015 6:31 52	1/12/2015 23:36 53
26/12/2015 9:31 57	26/12/2015 18:36 50	28/11/2015 4:26 58	29/11/2015 5:31 56	30/11/2015 6:36 53	1/12/2015 23:41 52
26/12/2015 9:36 60	26/12/2015 18:41 50	28/11/2015 4:31 57	29/11/2015 5:36 57	30/11/2015 6:41 56	1/12/2015 23:46 51
26/12/2015 9:41 59	26/12/2015 18:46 55	28/11/2015 4:36 56	29/11/2015 5:41 56	30/11/2015 6:46 57	1/12/2015 23:51 51
26/12/2015 9:46 59	26/12/2015 18:51 57	28/11/2015 4:41 56	29/11/2015 5:46 57	30/11/2015 6:51 57	1/12/2015 23:56 49
26/12/2015 9:51 56	26/12/2015 18:56 53	28/11/2015 4:46 57	29/11/2015 5:51 56	30/11/2015 6:56 58	2/12/2015 0:01 52
26/12/2015 9:56 57	26/12/2015 19:01 57	28/11/2015 4:51 58	29/11/2015 5:56 57	30/11/2015 23:01 56	2/12/2015 0:06 52
26/12/2015 10:01 56	26/12/2015 19:06 53	28/11/2015 4:56 56	29/11/2015 6:01 57	30/11/2015 23:06 55	2/12/2015 0:11 49
26/12/2015 10:06 57	26/12/2015 19:11 55	28/11/2015 5:01 56	29/11/2015 6:06 57	30/11/2015 23:11 54	2/12/2015 0:16 47
26/12/2015 10:11 56	26/12/2015 19:16 51	28/11/2015 5:06 56	29/11/2015 6:11 57	30/11/2015 23:16 54	2/12/2015 0:21 53
26/12/2015 10:16 57	26/12/2015 19:21 42	28/11/2015 5:11 57	29/11/2015 6:16 58	30/11/2015 23:21 55	2/12/2015 0:26 45
26/12/2015 10:21 58	26/12/2015 19:26 56	28/11/2015 5:16 57	29/11/2015 6:21 58	30/11/2015 23:26 53	2/12/2015 0:31 58
26/12/2015 10:26 57	26/12/2015 19:31 51	28/11/2015 5:21 57	29/11/2015 6:26 58	30/11/2015 23:31 50	2/12/2015 0:36 42
26/12/2015 10:31 57	26/12/2015 19:36 62	28/11/2015 5:26 57	29/11/2015 6:31 58	30/11/2015 23:36 52	2/12/2015 0:41 58
26/12/2015 10:36 58	26/12/2015 19:41 51	28/11/2015 5:31 57	29/11/2015 6:36 58	30/11/2015 23:41 54	2/12/2015 0:46 58
26/12/2015 10:41 61	26/12/2015 19:46 62	28/11/2015 5:36 57	29/11/2015 6:41 53	30/11/2015 23:46 53	2/12/2015 0:51 58
26/12/2015 10:46 60	26/12/2015 19:51 44	28/11/2015 5:41 57	29/11/2015 6:46 50	30/11/2015 23:51 45	2/12/2015 0:56 58
26/12/2015 10:51 58	26/12/2015 19:56 61	28/11/2015 5:46 58	29/11/2015 6:51 50	30/11/2015 23:56 49	2/12/2015 1:01 57
26/12/2015 10:56 58	26/12/2015 20:01 62	28/11/2015 5:51 57	29/11/2015 6:56 50	1/12/2015 0:01 50	2/12/2015 1:06 58
26/12/2015 11:01 58	26/12/2015 20:06 60	28/11/2015 5:56 58	29/11/2015 23:01 57	1/12/2015 0:06 44	2/12/2015 1:11 58
26/12/2015 11:06 59	26/12/2015 20:11 61	28/11/2015 6:01 57	29/11/2015 23:06 54	1/12/2015 0:11 58	2/12/2015 1:16 58
26/12/2015 11:11 60	26/12/2015 20:16 61	28/11/2015 6:06 57	29/11/2015 23:11 55	1/12/2015 0:16 47	2/12/2015 1:21 57
26/12/2015 11:16 60	26/12/2015 20:21 61	28/11/2015 6:11 58	29/11/2015 23:16 55	1/12/2015 0:21 58	2/12/2015 1:26 57
26/12/2015 11:21 63	26/12/2015 20:26 61	28/11/2015 6:16 58	29/11/2015 23:21 55	1/12/2015 0:26 45	2/12/2015 1:31 58
26/12/2015 11:26 61	26/12/2015 20:31 61	28/11/2015 6:21 40	29/11/2015 23:26 54	1/12/2015 0:31 42	2/12/2015 1:36 57
26/12/2015 11:31 62	26/12/2015 20:36 62	28/11/2015 6:26 49	29/11/2015 23:31 53	1/12/2015 0:36 50	2/12/2015 1:41 57
26/12/2015 11:36 62	26/12/2015 20:41 61	28/11/2015 6:31 42	29/11/2015 23:36 54	1/12/2015 0:41 57	2/12/2015 1:46 57
26/12/2015 11:41 58	26/12/2015 20:46 60	28/11/2015 6:36 49	29/11/2015 23:41 50	1/12/2015 0:46 58	2/12/2015 1:51 56
26/12/2015 11:46 62	26/12/2015 20:51 61	28/11/2015 6:41 55	29/11/2015 23:46 51	1/12/2015 0:51 58	2/12/2015 1:56 56
26/12/2015 11:51 56	26/12/2015 20:56 61	28/11/2015 6:46 53	29/11/2015 23:51 54	1/12/2015 0:56 57	2/12/2015 2:01 56
26/12/2015 11:56 60	26/12/2015 21:01 61	28/11/2015 6:51 58	29/11/2015 23:56 49	1/12/2015 1:01 58	2/12/2015 2:06 55
26/12/2015 12:01 56	26/12/2015 21:06 61	28/11/2015 6:56 57	30/11/2015 0:01 54	1/12/2015 1:06 58	2/12/2015 2:11 57
26/12/2015 12:06 53	26/12/2015 21:11 61	28/11/2015 23:01 56	30/11/2015 0:06 58	1/12/2015 1:11 57	2/12/2015 2:16 56
26/12/2015 12:11 52	26/12/2015 21:16 62	28/11/2015 23:06 57	30/11/2015 0:11 48	1/12/2015 1:16 58	2/12/2015 2:21 57
26/12/2015 12:16 51	26/12/2015 21:21 61	28/11/2015 23:11 56	30/11/2015 0:16 50	1/12/2015 1:21 53	2/12/2015 2:26 56
26/12/2015 12:21 54	26/12/2015 21:26 61	28/11/2015 23:16 55	30/11/2015 0:21 44	1/12/2015 1:26 57	2/12/2015 2:31 56
26/12/2015 12:26 52	26/12/2015 21:31 61	28/11/2015 23:21 54	30/11/2015 0:26 50	1/12/2015 1:31 57	2/12/2015 2:36 56
26/12/2015 12:31 63	26/12/2015 21:36 62	28/11/2015 23:26 55	30/11/2015 0:31 58	1/12/2015 1:36 56	2/12/2015 2:41 55
26/12/2015 12:36 53	26/12/2015 21:41 61	28/11/2015 23:31 54	30/11/2015 0:36 58	1/12/2015 1:41 57	2/12/2015 2:46 56
26/12/2015 12:41 62	26/12/2015 21:46 51	28/11/2015 23:36 54	30/11/2015 0:41 58	1/12/2015 1:46 57	2/12/2015 2:51 56
26/12/2015 12:46 58	26/12/2015 21:51 61	28/11/2015 23:41 53	30/11/2015 0:46 58	1/12/2015 1:51 56	2/12/2015 2:56 56
26/12/2015 12:51 60	26/12/2015 21:56 62	28/11/2015 23:46 55	30/11/2015 0:51 57	1/12/2015 1:56 57	2/12/2015 3:01 57
26/12/2015 12:56 61	26/12/2015 22:01 61	28/11/2015 23:51 53	30/11/2015 0:56 57	1/12/2015 2:01 57	2/12/2015 3:06 55
26/12/2015 13:01 61	26/12/2015 22:06 62	28/11/2015 23:56 54	30/11/2015 1:01 57	1/12/2015 2:06 56	2/12/2015 3:11 55
26/12/2015 13:06 60	26/12/2015 22:11 61	29/11/2015 0:01 54	30/11/2015 1:06 56	1/12/2015 2:11 56	2/12/2015 3:16 55
26/12/2015 13:11 61	26/12/2015 22:16 61	29/11/2015 0:06 53	30/11/2015 1:11 57	1/12/2015 2:16 55	2/12/2015 3:21 56
26/12/2015 13:16 61	26/12/2015 22:21 53	29/11/2015 0:11 53	30/11/2015 1:16 57	1/12/2015 2:21 55	2/12/2015 3:26 55
26/12/2015 13:21 58	26/12/2015 22:26 61	29/11/2015 0:16 54	30/11/2015 1:21 57	1/12/2015 2:26 56	2/12/2015 3:31 55
26/12/2015 13:26 63	26/12/2015 22:31 62	29/11/2015 0:21 47	30/11/2015 1:26 57	1/12/2015 2:31 55	2/12/2015 3:36 55
26/12/2015 13:31 62	26/12/2015 22:36 61	29/11/2015 0:26 51	30/11/2015 1:31		

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)	
2/12/2015 5:41	58	3/12/2015 6:46	56
2/12/2015 5:46	57	3/12/2015 6:51	58
2/12/2015 5:51	57	3/12/2015 6:56	57
2/12/2015 5:56	57	3/12/2015 23:01	56
2/12/2015 6:01	56	3/12/2015 23:06	56
2/12/2015 6:06	57	3/12/2015 23:11	56
2/12/2015 6:11	58	3/12/2015 23:16	57
2/12/2015 6:16	58	3/12/2015 23:21	54
2/12/2015 6:21	47	3/12/2015 23:26	55
2/12/2015 6:26	48	3/12/2015 23:31	55
2/12/2015 6:31	50	3/12/2015 23:36	55
2/12/2015 6:36	52	3/12/2015 23:41	54
2/12/2015 6:41	56	3/12/2015 23:46	55
2/12/2015 6:46	56	3/12/2015 23:51	52
2/12/2015 6:51	57	3/12/2015 23:56	55
2/12/2015 6:56	58	4/12/2015 0:01	52
2/12/2015 23:01	58	4/12/2015 0:06	53
2/12/2015 23:06	55	4/12/2015 0:11	49
2/12/2015 23:11	55	4/12/2015 0:16	53
2/12/2015 23:16	56	4/12/2015 0:21	49
2/12/2015 23:21	55	4/12/2015 0:26	45
2/12/2015 23:26	54	4/12/2015 0:31	51
2/12/2015 23:31	53	4/12/2015 0:36	48
2/12/2015 23:36	54	4/12/2015 0:41	58
2/12/2015 23:41	56	4/12/2015 0:46	39
2/12/2015 23:46	53	4/12/2015 0:51	44
2/12/2015 23:51	52	4/12/2015 0:56	58
2/12/2015 23:56	55	4/12/2015 1:01	58
3/12/2015 0:01	57	4/12/2015 1:06	58
3/12/2015 0:06	57	4/12/2015 1:11	58
3/12/2015 0:11	54	4/12/2015 1:16	57
3/12/2015 0:16	49	4/12/2015 1:21	58
3/12/2015 0:21	46	4/12/2015 1:26	57
3/12/2015 0:26	49	4/12/2015 1:31	58
3/12/2015 0:31	49	4/12/2015 1:36	57
3/12/2015 0:36	58	4/12/2015 1:41	57
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3/12/2015 0:46	58	4/12/2015 1:51	57
3/12/2015 0:51	58	4/12/2015 1:56	57
3/12/2015 0:56	58	4/12/2015 2:01	57
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3/12/2015 1:06	57	4/12/2015 2:11	57
3/12/2015 1:11	58	4/12/2015 2:16	57
3/12/2015 1:16	58	4/12/2015 2:21	56
3/12/2015 1:21	57	4/12/2015 2:26	56
3/12/2015 1:26	58	4/12/2015 2:31	56
3/12/2015 1:31	58	4/12/2015 2:36	56
3/12/2015 1:36	58	4/12/2015 2:41	57
3/12/2015 1:41	58	4/12/2015 2:46	56
3/12/2015 1:46	58	4/12/2015 2:51	56
3/12/2015 1:51	58	4/12/2015 2:56	56
3/12/2015 1:56	58	4/12/2015 3:01	56
3/12/2015 2:01	57	4/12/2015 3:06	56
3/12/2015 2:06	57	4/12/2015 3:11	55
3/12/2015 2:11	57	4/12/2015 3:16	55
3/12/2015 2:16	56	4/12/2015 3:21	55
3/12/2015 2:21	56	4/12/2015 3:26	55
3/12/2015 2:26	56	4/12/2015 3:31	56
3/12/2015 2:31	55	4/12/2015 3:36	56
3/12/2015 2:36	56	4/12/2015 3:41	56
3/12/2015 2:41	56	4/12/2015 3:46	55
3/12/2015 2:46	56	4/12/2015 3:51	55
3/12/2015 2:51	56	4/12/2015 3:56	56
3/12/2015 2:56	56	4/12/2015 4:01	55
3/12/2015 3:01	55	4/12/2015 4:06	55
3/12/2015 3:06	57	4/12/2015 4:11	55
3/12/2015 3:11	56	4/12/2015 4:16	55
3/12/2015 3:16	55	4/12/2015 4:21	56
3/12/2015 3:21	55	4/12/2015 4:26	55
3/12/2015 3:26	55	4/12/2015 4:31	56
3/12/2015 3:31	55	4/12/2015 4:36	56
3/12/2015 3:36	54	4/12/2015 4:41	56
3/12/2015 3:41	55	4/12/2015 4:46	56
3/12/2015 3:46	55	4/12/2015 4:51	55
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3/12/2015 4:01	55	4/12/2015 5:06	56
3/12/2015 4:06	55	4/12/2015 5:11	55
3/12/2015 4:11	55	4/12/2015 5:16	56
3/12/2015 4:16	56	4/12/2015 5:21	56
3/12/2015 4:21	55	4/12/2015 5:26	57
3/12/2015 4:26	55	4/12/2015 5:31	56
3/12/2015 4:31	55	4/12/2015 5:36	56
3/12/2015 4:36	56	4/12/2015 5:41	58
3/12/2015 4:41	56	4/12/2015 5:46	57
3/12/2015 4:46	56	4/12/2015 5:51	57
3/12/2015 4:51	56	4/12/2015 5:56	57
3/12/2015 4:56	55	4/12/2015 6:01	47
3/12/2015 5:01	55	4/12/2015 6:06	58
3/12/2015 5:06	56	4/12/2015 6:11	58
3/12/2015 5:11	57	4/12/2015 6:16	57
3/12/2015 5:16	55	4/12/2015 6:21	58
3/12/2015 5:21	56	4/12/2015 6:26	40
3/12/2015 5:26	57	4/12/2015 6:31	51
3/12/2015 5:31	56	4/12/2015 6:36	54
3/12/2015 5:36	56	4/12/2015 6:41	55
3/12/2015 5:41	57	4/12/2015 6:46	54
3/12/2015 5:46	57	4/12/2015 6:51	56
3/12/2015 5:51	58	4/12/2015 6:56	58
3/12/2015 5:56	57	4/12/2015 23:01	56
3/12/2015 6:01	58	4/12/2015 23:06	57
3/12/2015 6:06	57	4/12/2015 23:11	56
3/12/2015 6:11	58	4/12/2015 23:16	58
3/12/2015 6:16	35	4/12/2015 23:21	56
3/12/2015 6:21	51	4/12/2015 23:26	55
3/12/2015 6:26	50	4/12/2015 23:31	57
3/12/2015 6:31	52	4/12/2015 23:36	55
3/12/2015 6:36	53	4/12/2015 23:41	57
3/12/2015 6:41	55	4/12/2015 23:46	56
6/12/2015 0:56	53	5/12/2015 23:51	53
6/12/2015 1:01	53	4/12/2015 23:56	57
6/12/2015 1:06	52	5/12/2015 0:01	57
6/12/2015 1:11	50	5/12/2015 0:06	63
6/12/2015 1:16	57	5/12/2015 0:11	54
6/12/2015 1:21	51	5/12/2015 0:16	55
6/12/2015 1:26	52	5/12/2015 0:21	54
6/12/2015 1:31	55	5/12/2015 0:26	55
6/12/2015 1:36	45	5/12/2015 0:31	55
6/12/2015 1:41	39	5/12/2015 0:36	50
6/12/2015 1:46	51	5/12/2015 0:41	54
6/12/2015 1:51	43	5/12/2015 0:46	50
6/12/2015 1:56	53	5/12/2015 0:51	50
6/12/2015 2:01	47	5/12/2015 0:56	51
6/12/2015 2:06	49	5/12/2015 1:01	51
6/12/2015 2:11	43	5/12/2015 1:06	54
6/12/2015 2:16	47	5/12/2015 1:11	49
6/12/2015 2:21	58	5/12/2015 1:16	46
6/12/2015 2:26	58	5/12/2015 1:21	53
6/12/2015 2:31	49	5/12/2015 1:26	50
6/12/2015 2:36	58	5/12/2015 1:31	51
6/12/2015 2:41	57	5/12/2015 1:36	48
6/12/2015 2:46	58	5/12/2015 1:41	47
6/12/2015 2:51	58	5/12/2015 1:46	46
6/12/2015 2:56	58	5/12/2015 1:51	43
6/12/2015 3:01	58	5/12/2015 1:56	40
6/12/2015 3:06	58	5/12/2015 2:01	50
6/12/2015 3:11	57	5/12/2015 2:06	58
6/12/2015 3:16	57	5/12/2015 2:11	58
6/12/2015 3:21	58	5/12/2015 2:16	48
6/12/2015 3:26	58	5/12/2015 2:21	40
6/12/2015 3:31	58	5/12/2015 2:26	58
6/12/2015 3:36	57	5/12/2015 2:31	58
6/12/2015 3:41	58	5/12/2015 2:36	58
6/12/2015 3:46	57	5/12/2015 2:41	57
6/12/2015 3:51	57	5/12/2015 2:46	57
6/12/2015 3:56	57	5/12/2015 2:51	58
6/12/2015 4:01	57	5/12/2015 2:56	57
6/12/2015 4:06	57	5/12/2015 3:01	57
6/12/2015 4:11	58	5/12/2015 3:06	57
6/12/2015 4:16	57	5/12/2015 3:11	57
6/12/2015 4:21	57	5/12/2015 3:16	58
6/12/2015 4:26	57	5/12/2015 3:21	56
6/12/2015 4:31	57	5/12/2015 3:26	57
6/12/2015 4:36	57	5/12/2015 3:31	57
6/12/2015 4:41	57	5/12/2015 3:36	57
6/12/2015 4:46	57	5/12/2015 3:41	57
6/12/2015 4:51	57	5/12/2015 3:46	56
6/12/2015 4:56	57	5/12/2015 3:51	56
6/12/2015 5:01	57	5/12/2015 3:56	56
6/12/2015 5:06	57	5/12/2015 4:01	56
6/12/2015 5:11	57	5/12/2015 4:06	56
6/12/2015 5:16	57	5/12/2015 4:11	55
6/12/2015 5:21	58	5/12/2015 4:16	56
6/12/2015 5:26	57	5/12/2015 4:21	55
6/12/2015 5:31	49	5/12/2015 4:26	56
6/12/2015 5:36	33	5/12/2015 4:31	57
6/12/2015 5:41	58	5/12/2015 4:36	56
6/12/2015 5:46	58	5/12/2015 4:41	57
6/12/2015 5:51	55	5/12/2015 4:46	55
6/12/2015 5:56	57	5/12/2015 4:51	56
6/12/2015 6:01	57	5/12/2015 4:56	56
6/12/2015 6:06	58	5/12/2015 5:01	56
6/12/2015 6:11	58	5/12/2015 5:06	56
6/12/2015 6:16	58	5/12/2015 5:11	56
6/12/2015 6:21	58	5/12/2015 5:16	56
6/12/2015 6:26	39	5/12/2015 5:21	57
6/12/2015 6:31	44	5/12/2015 5:26	56
6/12/2015 6:36	42	5/12/2015 5:31	56
6/12/2015 6:41	51	5/12/2015 5:36	56
6/12/2015 6:46	52	5/12/2015 5:41	56
6/12/2015 6:51	52	5/12/2015 5:46	57
6/12/2015 6:56	55	5/12/2015 5:51	57
7/12/2015 0:01	52	5/12/2015 5:56	57
7/12/2015 0:06	53	5/12/2015 6:01	58
7/12/2015 0:11	51	5/12/2015 6:06	58
7/12/2015 0:16	53	5/12/2015 6:11	58
7/12/2015 0:21	54	5/12/2015 6:16	57
7/12/2015 0:26	52	5/12/2015 6:21	58
7/12/2015 0:31	48	5/12/2015 6:26	58
7/12/2015 0:36	50	5/12/2015 6:31	58
7/12/2015 0:41	55	5/12/2015 6:36	46
7/12/2015 0:46	54	5/12/2015 6:41	58
7/12/2015 0:51	32	5/12/2015 6:46	52
7/12/2015 0:56	32	5/12/2015 6:51	51
8/12/2015 1:01	58	5/12/2015 6:56	55
8/12/2015 1:06	58	5/12/2015 7:01	57
8/12/2015 1:11	58	5/12/2015 7:06	58
8/12/2015 1:16	57	5/12/2015 7:11	59
8/12/2015 1:21	57	5/12/2015 7:16	58
8/12/2015 1:26	57	5/12/2015 7:21	59
8/12/2015 1:31	52	5/12/2015 7:26	58
8/12/2015 1:36	57	5/12/2015 7:31	57
8/12/2015 1:41	58	5/12/2015 7:36	57
8/12/2015 1:46	62	5/12/2015 7:41	58
8/12/2015 1:51	32	5/12/2015 7:46	54
8/12/2015 1:56	32	5/12/2015 7:51	54
8/12/2015 2:01	58	5/12/2015 7:56	55
8/12/2015 2:06	58	5/12/2015 8:01	52
8/12/2015 2:11	58	5/12/2015 8:06	53
8/12/2015 2:16	57	5/12/2015 8:11	51
8/12/2015 2:21	57	5/12/2015 8:16	53
8/12/2015 2:26	57	5/12/2015 8:21	54
8/12/2015 2:31	56	5/12/2015 8:26	52
8/12/2015 2:36	56	5/12/2015 8:31	48
8/12/2015 2:41	56	5/12/2015 8:36	50

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)	
9/12/2015 4:11	56	10/12/2015 5:16	57
9/12/2015 4:16	55	10/12/2015 5:21	57
9/12/2015 4:21	55	10/12/2015 5:26	57
9/12/2015 4:26	56	10/12/2015 5:31	57
9/12/2015 4:31	56	10/12/2015 5:36	57
9/12/2015 4:36	56	10/12/2015 5:41	57
9/12/2015 4:41	56	10/12/2015 5:46	58
9/12/2015 4:46	56	10/12/2015 5:51	58
9/12/2015 4:51	56	10/12/2015 5:56	58
9/12/2015 4:56	56	10/12/2015 6:01	58
9/12/2015 5:01	56	10/12/2015 6:06	58
9/12/2015 5:06	55	10/12/2015 6:11	58
9/12/2015 5:11	57	10/12/2015 6:16	58
9/12/2015 5:16	57	10/12/2015 6:21	51
9/12/2015 5:21	57	10/12/2015 6:26	54
9/12/2015 5:26	57	10/12/2015 6:31	55
9/12/2015 5:31	58	10/12/2015 6:36	54
9/12/2015 5:36	57	10/12/2015 6:41	54
9/12/2015 5:41	57	10/12/2015 6:46	57
9/12/2015 5:46	57	10/12/2015 6:51	58
9/12/2015 5:51	58	10/12/2015 6:56	60
9/12/2015 5:56	58	10/12/2015 23:01	58
9/12/2015 6:01	58	10/12/2015 23:06	60
9/12/2015 6:06	58	10/12/2015 23:11	58
9/12/2015 6:11	58	10/12/2015 23:16	57
9/12/2015 6:16	35	10/12/2015 23:21	57
9/12/2015 6:21	44	10/12/2015 23:26	60
9/12/2015 6:26	53	10/12/2015 23:31	58
9/12/2015 6:31	52	10/12/2015 23:36	56
9/12/2015 6:36	48	10/12/2015 23:41	56
9/12/2015 6:41	55	10/12/2015 23:46	56
9/12/2015 6:46	56	10/12/2015 23:51	54
9/12/2015 6:51	57	10/12/2015 23:56	55
9/12/2015 6:56	58	11/12/2015 0:01	55
9/12/2015 23:01	58	11/12/2015 0:06	56
9/12/2015 23:06	59	11/12/2015 0:11	52
9/12/2015 23:11	58	11/12/2015 0:16	51
9/12/2015 23:16	58	11/12/2015 0:21	53
9/12/2015 23:21	58	11/12/2015 0:26	52
9/12/2015 23:26	57	11/12/2015 0:31	50
9/12/2015 23:31	57	11/12/2015 0:36	53
9/12/2015 23:36	57	11/12/2015 0:41	49
9/12/2015 23:41	56	11/12/2015 0:46	52
9/12/2015 23:46	56	11/12/2015 0:51	45
9/12/2015 23:51	57	11/12/2015 0:56	49
9/12/2015 23:56	55	11/12/2015 1:01	58
10/12/2015 0:01	56	11/12/2015 1:06	58
10/12/2015 0:06	56	11/12/2015 1:11	58
10/12/2015 0:11	53	11/12/2015 1:16	58
10/12/2015 0:16	55	11/12/2015 1:21	58
10/12/2015 0:21	55	11/12/2015 1:26	48
10/12/2015 0:26	54	11/12/2015 1:31	58
10/12/2015 0:31	53	11/12/2015 1:36	58
10/12/2015 0:36	54	11/12/2015 1:41	58
10/12/2015 0:41	52	11/12/2015 1:46	57
10/12/2015 0:46	49	11/12/2015 1:51	58
10/12/2015 0:51	38	11/12/2015 1:56	58
10/12/2015 0:56	58	11/12/2015 2:01	58
10/12/2015 1:01	52	11/12/2015 2:06	45
10/12/2015 1:06	52	11/12/2015 2:11	58
10/12/2015 1:11	58	11/12/2015 2:16	57
10/12/2015 1:16	58	11/12/2015 2:21	57
10/12/2015 1:21	58	11/12/2015 2:26	57
10/12/2015 1:26	46	11/12/2015 2:31	58
10/12/2015 1:31	45	11/12/2015 2:36	56
10/12/2015 1:36	58	11/12/2015 2:41	53
10/12/2015 1:41	58	11/12/2015 2:46	58
10/12/2015 1:46	58	11/12/2015 2:51	57
10/12/2015 1:51	58	11/12/2015 2:56	57
10/12/2015 1:56	47	11/12/2015 3:01	56
10/12/2015 2:01	58	11/12/2015 3:06	56
10/12/2015 2:06	57	11/12/2015 3:11	57
10/12/2015 2:11	57	11/12/2015 3:16	57
10/12/2015 2:16	57	11/12/2015 3:21	56
10/12/2015 2:21	57	11/12/2015 3:26	55
10/12/2015 2:26	57	11/12/2015 3:31	56
10/12/2015 2:31	58	11/12/2015 3:36	55
10/12/2015 2:36	58	11/12/2015 3:41	55
10/12/2015 2:41	56	11/12/2015 3:46	56
10/12/2015 2:46	58	11/12/2015 3:51	55
10/12/2015 2:51	57	11/12/2015 3:56	55
10/12/2015 2:56	57	11/12/2015 4:01	55
10/12/2015 3:01	56	11/12/2015 4:06	56
10/12/2015 3:06	56	11/12/2015 4:11	55
10/12/2015 3:11	56	11/12/2015 4:16	55
10/12/2015 3:16	57	11/12/2015 4:21	56
10/12/2015 3:21	55	11/12/2015 4:26	56
10/12/2015 3:26	56	11/12/2015 4:31	56
10/12/2015 3:31	57	11/12/2015 4:36	57
10/12/2015 3:36	57	11/12/2015 4:41	58
10/12/2015 3:41	56	11/12/2015 4:46	57
10/12/2015 3:46	57	11/12/2015 4:51	57
10/12/2015 3:51	56	11/12/2015 4:56	56
10/12/2015 3:56	57	11/12/2015 5:01	57
10/12/2015 4:01	56	11/12/2015 5:06	57
10/12/2015 4:06	55	11/12/2015 5:11	57
10/12/2015 4:11	55	11/12/2015 5:16	56
10/12/2015 4:16	55	11/12/2015 5:21	56
10/12/2015 4:21	55	11/12/2015 5:26	57
10/12/2015 4:26	56	11/12/2015 5:31	47
10/12/2015 4:31	56	11/12/2015 5:36	57
10/12/2015 4:36	57	11/12/2015 5:41	58
10/12/2015 4:41	55	11/12/2015 5:46	58
10/12/2015 4:46	55	11/12/2015 5:51	57
10/12/2015 4:51	55	11/12/2015 5:56	58
10/12/2015 4:56	56	11/12/2015 6:01	58
10/12/2015 5:01	56	11/12/2015 6:06	58
10/12/2015 5:06	55	11/12/2015 6:11	35
10/12/2015 5:11	57	11/12/2015 6:16	58
10/12/2015 5:16	56	11/12/2015 6:21	47
10/12/2015 5:21	56	11/12/2015 6:26	58
10/12/2015 5:26	57	11/12/2015 6:31	58
10/12/2015 5:31	57	11/12/2015 6:36	50
10/12/2015 5:36	57	11/12/2015 6:41	48
10/12/2015 5:41	55	11/12/2015 6:46	53
10/12/2015 5:46	57	11/12/2015 6:51	51
10/12/2015 5:51	57	11/12/2015 6:56	57
10/12/2015 5:56	58	11/12/2015 23:01	56
10/12/2015 6:01	58	11/12/2015 23:06	57
10/12/2015 6:06	57	11/12/2015 23:11	58
10/12/2015 6:11	58	11/12/2015 23:16	57
10/12/2015 6:16	58	11/12/2015 23:21	57
12/12/2015 23:26	56	12/12/2015 23:31	56
12/12/2015 23:31	56	12/12/2015 23:36	56
12/12/2015 23:36	56	12/12/2015 23:41	58
12/12/2015 23:41	58	12/12/2015 23:46	57
12/12/2015 23:46	57	12/12/2015 23:51	56
12/12/2015 23:51	56	12/12/2015 23:56	56
12/12/2015 0:01	56	12/12/2015 0:06	53
12/12/2015 0:06	53	12/12/2015 0:11	52
12/12/2015 0:11	54	12/12/2015 0:16	55
12/12/2015 0:16	55	12/12/2015 0:21	53
12/12/2015 0:21	53	12/12/2015 0:26	53
12/12/2015 0:26	53	12/12/2015 0:31	52
12/12/2015 0:31	52	12/12/2015 0:36	52
12/12/2015 0:36	44	12/12/2015 0:41	58
12/12/2015 0:41	58	12/12/2015 0:46	58
12/12/2015 0:46	47	12/12/2015 0:51	49
12/12/2015 0:51	49	12/12/2015 0:56	42
12/12/2015 0:56	42	12/12/2015 1:01	53
12/12/2015 1:01	53	12/12/2015 1:06	37
12/12/2015 1:06	37	12/12/2015 1:11	55
12/12/2015 1:11	55	12/12/2015 1:16	47
12/12/2015 1:16	47	12/12/2015 1:21	45
12/12/2015 1:21	45	12/12/2015 1:26	58
12/12/2015 1:26	58	12/12/2015 1:31	53
12/12/2015 1:31	53	12/12/2015 1:36	54
12/12/2015 1:36	54	12/12/2015 1:41	58
12/12/2015 1:41	58	12/12/2015 1:46	58
12/12/2015 1:46	58	12/12/2015 1:51	58
12/12/2015 1:51	58	12/12/2015 1:56	58
12/12/2015 1:56	58	12/12/2015 2:01	58
12/12/2015 2:01	58	12/12/2015 2:06	46
12/12/2015 2:06	46	12/12/2015 2:11	50
12/12/2015 2:11	50	12/12/2015 2:16	49
12/12/2015 2:16	49	12/12/2015 2:21	58
12/12/2015 2:21	58	12/12/2015 2:26	58
12/12/2015 2:26	58	12/12/2015 2:31	58
12/12/2015 2:31	58	12/12/2015 2:36	58
12/12/2015 2:36	58	12/12/2015 2:41	58
12/12/2015 2:41	58	12/12/2015 2:46	58
12/12/2015 2:46	58	12/12/2015 2:51	57
12/12/2015 2:51	57	12/12/2015 2:56	57
12/12/2015 2:56	57	12/12/2015 3:01	57
12/12/2015 3:01	57	12/12/2015 3:06	57
12/12/2015 3:06	57	12/12/2015 3:11	54
12/12/2015 3:11	54	12/12/2015 3:16	58
12/12/2015 3:16	58	12/12/2015 3:21	57
12/12/2015 3:21	57	12/12/2015 3:26	57
12/12/2015 3:26	57	12/12/2015 3:31	57
12/12/2015 3:31	57	12/12/2015 3:36	57
12/12/2015 3:36	57	12/12/2015 3:41	57
12/12/2015 3:41	57	12/12/2015 3:46	58
12/12/2015 3:46	58	12/12/2015 3:51	57
12/12/2015 3:51	57	12/12/2015 3:56	57
12/12/2015 3:56	57	12/12/2015 4:01	58
12/12/2015 4:01	58	12/12/2015 4:06	57
12/12/2015 4:06	57	12/12/2015 4:11	56
12/12/2015 4:11	56	12/12/2015 4:16	56
12/12/2015 4:16	56	12/12/2015 4:21	57
12/12/2015 4:21	57	12/12/2015 4:26	57
12/12/2015 4:26	57	12/12/2015 4:31	56
12/12/2015 4:31	56	12/12/2015 4:36	57
12/12/2015 4:36	57	12/12/2015 4:41	58
12/12/2015 4:41	58	12/12/2015 4:46	57
12/12/2015 4:46	57	12/12/2015 4:51	57
12/12/2015 4:51	57	12/12/2015 4:56	56
12/12/2015 4:56	56	12/12/2015 5:01	57
12/12/2015 5:01	57	12/12/2015 5:06	57
12/12/2015 5:06	57	12/12/2015 5:11	57
12/12/2015 5:11	57	12/12/2015 5:16	57
12/12/2015 5:16	57	12/12/2015 5:21	56
12/12/2015 5:21	56	12/12/2015 5:26	57
12/12/2015 5:26	57	12/12/2015 5:31	38
12/12/2015 5:31	38	12/12/2015 5:36	58
12/12/2015 5:36	58	12/12/2015 5:41	57
12/12/2015 5:41	57	12/12/2015 5:46	51
12/12/2015 5:46	51	12/12/2015 5:51	52
12/12/2015 5:51	52	12/12/2015 5:56	52
12/12/2015 5:56	52	12/12/2015 6:01	57
12/12/2015 6:01	57	12/12/2015 6:06	57
12/12/2015 6:06	57	12/12/2015 6:11	57
12/12/2015 6:11	57	12/12/2015 6:16	57
12/12/2015 6:16	57	12/12/2015 6:21	57
12/12/2015 6:21	57	12/12/2015 6:26	53
12/12/2015 6:26	53	12/12/2015 6:31	55
12/12/2015 6:31	55	12/12/2015 6:36	54
12/12/2015 6:36	54	12/12/2015 6:41	51
12/12/2015 6:41	51	12/12/2015 6:46	52
12/12/2015 6:46	52	12/12/2015 6:51	52
12/12/2015 6:51	52	12/12/2015 6:56	52
12/12/2015 6:56	52	12/12/2015 7:01	57

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
16/12/2015 2:41	57	17/12/2015 3:46	56	18/12/2015 4:51	56	19/12/2015 5:56	58	20/12/2015 23:01	58	22/12/2015 0:06	51
16/12/2015 2:46	57	17/12/2015 3:51	55	18/12/2015 4:56	56	19/12/2015 6:01	51	20/12/2015 23:06	57	22/12/2015 0:11	53
16/12/2015 2:51	57	17/12/2015 3:56	57	18/12/2015 5:01	57	19/12/2015 6:06	58	20/12/2015 23:11	57	22/12/2015 0:16	54
16/12/2015 2:56	56	17/12/2015 4:01	57	18/12/2015 5:06	57	19/12/2015 6:11	48	20/12/2015 23:16	57	22/12/2015 0:21	54
16/12/2015 3:01	55	17/12/2015 4:06	57	18/12/2015 5:11	56	19/12/2015 6:16	37	20/12/2015 23:21	56	22/12/2015 0:26	52
16/12/2015 3:06	57	17/12/2015 4:11	55	18/12/2015 5:16	56	19/12/2015 6:21	52	20/12/2015 23:26	58	22/12/2015 0:31	53
16/12/2015 3:11	56	17/12/2015 4:16	57	18/12/2015 5:21	57	19/12/2015 6:26	51	20/12/2015 23:31	57	22/12/2015 0:36	53
16/12/2015 3:16	57	17/12/2015 4:21	57	18/12/2015 5:26	57	19/12/2015 6:31	53	20/12/2015 23:36	56	22/12/2015 0:41	52
16/12/2015 3:21	55	17/12/2015 4:26	55	18/12/2015 5:31	57	19/12/2015 6:36	55	20/12/2015 23:41	57	22/12/2015 0:46	51
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16/12/2015 23:41	58	18/12/2015 0:46	56	19/12/2015 1:51	53	20/12/2015 2:56	58	21/12/2015 4:01	55	22/12/2015 5:06	55
16/12/2015 23:46	57	18/12/2015 0:51	52	19/12/2015 1:56	52	20/12/2015 3:01	58	21/12/2015 4:06	55	22/12/2015 5:11	57
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16/12/2015 23:56	57	18/12/2015 1:01	49	19/12/2015 2:06	50	20/12/2015 3:11	57	21/12/2015 4:16	55	22/12/2015 5:21	56
17/12/2015 0:01	57	18/12/2015 1:06	58	19/12/2015 2:11	52	20/12/2015 3:16	48	21/12/2015 4:21	56	22/12/2015 5:26	58
17/12/2015 0:06	56	18/12/2015 1:11	48	19/12/2015 2:16	52	20/12/2015 3:21	57	21/12/2015 4:26	55	22/12/2015 5:31	57
17/12/2015 0:11	54	18/12/2015 1:16	44	19/12/2015 2:21	48	20/12/2015 3:26	57	21/12/2015 4:31	56	22/12/2015 5:36	57
17/12/2015 0:16	55	18/12/2015 1:21	49	19/12/2015 2:26	50	20/12/2015 3:31	57	21/12/2015 4:36	55	22/12/2015 5:41	57
17/12/2015 0:21	53	18/12/2015 1:26	47	19/12/2015 2:31	46	20/12/2015 3:36	57	21/12/2015 4:41	55	22/12/2015 5:46	58
17/12/2015 0:26	55	18/12/2015 1:31	58	19/12/2015 2:36	58	20/12/2015 3:41	57	21/12/2015 4:46	56	22/12/2015 5:51	58
17/12/2015 0:31	55	18/12/2015 1:36	57	19/12/2015 2:41	58	20/12/2015 3:46	58	21/12/2015 4:51	55	22/12/2015 5:56	58
17/12/2015 0:36	55	18/12/2015 1:41	58	19/12/2015 2:46	45	20/12/2015 3:51	58	21/12/2015 4:56	55	22/12/2015 6:01	45
17/12/2015 0:41	50	18/12/2015 1:46	45	19/12/2015 2:51	42	20/12/2015 3:56	57	21/12/2015 5:01	55	22/12/2015 6:06	58
17/12/2015 0:46											

Real-time Noise Data	RTN2a (Hong Kong Electric Centre)		
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23/12/2015 1:16 58	24/12/2015 2:21 57	25/12/2015 3:26 48	26/12/2015 4:31 57
23/12/2015 1:21 58	24/12/2015 2:26 58	25/12/2015 3:31 55	26/12/2015 4:36 57
23/12/2015 1:26 58	24/12/2015 2:31 58	25/12/2015 3:36 47	26/12/2015 4:41 57
23/12/2015 1:31 57	24/12/2015 2:36 58	25/12/2015 3:41 58	26/12/2015 4:46 57
23/12/2015 1:36 57	24/12/2015 2:41 58	25/12/2015 3:46 58	26/12/2015 4:51 58
23/12/2015 1:41 58	24/12/2015 2:46 50	25/12/2015 3:51 45	26/12/2015 4:56 58
23/12/2015 1:46 57	24/12/2015 2:51 46	25/12/2015 3:56 58	26/12/2015 5:01 44
23/12/2015 1:51 57	24/12/2015 2:56 51	25/12/2015 4:01 58	26/12/2015 5:06 57
23/12/2015 1:56 57	24/12/2015 3:01 58	25/12/2015 4:06 57	26/12/2015 5:11 56
23/12/2015 2:01 58	24/12/2015 3:06 57	25/12/2015 4:11 57	26/12/2015 5:16 57
23/12/2015 2:06 57	24/12/2015 3:11 57	25/12/2015 4:16 57	26/12/2015 5:21 58
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23/12/2015 2:26 57	24/12/2015 3:31 57	25/12/2015 4:36 58	26/12/2015 5:41 58
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23/12/2015 3:06 57	24/12/2015 4:11 57	25/12/2015 5:16 57	26/12/2015 6:21 48
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23/12/2015 3:51 55	24/12/2015 4:56 57	25/12/2015 6:01 45	26/12/2015 23:06 58
23/12/2015 3:56 55	24/12/2015 5:01 56	25/12/2015 6:06 58	26/12/2015 23:11 58
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24/12/2015 1:41 51	25/12/2015 2:46 59	26/12/2015 3:51 57	
24/12/2015 1:46 52	25/12/2015 2:51 58	26/12/2015 3:56 58	
24/12/2015 1:51 49	25/12/2015 2:56 57	26/12/2015 4:01 57	
24/12/2015 1:56 52	25/12/2015 3:01 59	26/12/2015 4:06 57	
24/12/2015 2:01 49	25/12/2015 3:06 56	26/12/2015 4:11 57	
24/12/2015 2:06 58	25/12/2015 3:11 57	26/12/2015 4:16 57	
24/12/2015 2:11 58	25/12/2015 3:16 53	26/12/2015 4:21 57	

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)					
Normal Day 07:00-19:00							
28/11/2015 7:01	66	3/12/2015 12:31	67	9/12/2015 7:01	68	14/12/2015 13:31	68
28/11/2015 7:31	68	3/12/2015 13:01	67	9/12/2015 7:31	67	14/12/2015 14:01	68
28/11/2015 8:01	67	3/12/2015 13:31	67	9/12/2015 8:01	65	14/12/2015 14:31	68
28/11/2015 8:31	69	3/12/2015 14:01	67	9/12/2015 8:31	65	14/12/2015 15:01	67
28/11/2015 9:01	67	3/12/2015 14:31	65	9/12/2015 9:01	65	14/12/2015 15:31	66
28/11/2015 9:31	66	3/12/2015 15:01	65	9/12/2015 9:31	65	14/12/2015 16:01	66
28/11/2015 10:01	67	3/12/2015 15:31	67	9/12/2015 10:01	65	14/12/2015 16:31	63
28/11/2015 10:31	66	3/12/2015 16:01	68	9/12/2015 10:31	64	14/12/2015 17:01	63
28/11/2015 11:01	67	3/12/2015 16:31	67	9/12/2015 11:01	66	14/12/2015 17:31	67
28/11/2015 11:31	65	3/12/2015 17:01	66	9/12/2015 11:31	66	14/12/2015 18:01	67
28/11/2015 12:01	64	3/12/2015 17:31	65	9/12/2015 12:01	66	14/12/2015 18:31	64
28/11/2015 12:31	63	3/12/2015 18:01	63	9/12/2015 12:31	66	15/12/2015 7:01	67
28/11/2015 13:01	63	3/12/2015 18:31	63	9/12/2015 13:01	66	15/12/2015 7:31	67
28/11/2015 13:31	64	4/12/2015 7:01	67	9/12/2015 13:31	67	15/12/2015 8:01	67
28/11/2015 14:01	64	4/12/2015 7:31	67	9/12/2015 14:01	66	15/12/2015 8:31	65
28/11/2015 14:31	65	4/12/2015 8:01	67	9/12/2015 14:31	67	15/12/2015 9:01	67
28/11/2015 15:01	67	4/12/2015 8:31	66	9/12/2015 15:01	66	15/12/2015 9:31	67
28/11/2015 15:31	66	4/12/2015 9:01	65	9/12/2015 15:31	65	15/12/2015 10:01	65
28/11/2015 16:01	66	4/12/2015 9:31	66	9/12/2015 16:01	65	15/12/2015 10:31	64
28/11/2015 16:31	66	4/12/2015 10:01	68	9/12/2015 16:31	65	15/12/2015 11:01	65
28/11/2015 17:01	66	4/12/2015 10:31	68	9/12/2015 17:01	68	15/12/2015 11:31	67
28/11/2015 17:31	66	4/12/2015 11:01	68	9/12/2015 17:31	68	15/12/2015 12:01	67
28/11/2015 18:01	66	4/12/2015 11:31	67	9/12/2015 18:01	67	15/12/2015 12:31	68
28/11/2015 18:31	66	4/12/2015 12:01	67	9/12/2015 18:31	57	15/12/2015 13:01	67
30/11/2015 7:01	66	4/12/2015 12:31	67	10/12/2015 7:01	68	15/12/2015 13:31	67
30/11/2015 7:31	67	4/12/2015 13:01	67	10/12/2015 7:31	68	15/12/2015 14:01	66
30/11/2015 8:01	67	4/12/2015 13:31	68	10/12/2015 8:01	67	15/12/2015 14:31	65
30/11/2015 8:31	65	4/12/2015 14:01	67	10/12/2015 8:31	66	15/12/2015 15:01	65
30/11/2015 9:01	67	4/12/2015 14:31	65	10/12/2015 9:01	66	15/12/2015 15:31	65
30/11/2015 9:31	68	4/12/2015 15:01	68	10/12/2015 9:31	67	15/12/2015 16:01	67
30/11/2015 10:01	67	4/12/2015 15:31	67	10/12/2015 10:01	68	15/12/2015 16:31	68
30/11/2015 10:31	67	4/12/2015 16:01	67	10/12/2015 10:31	68	15/12/2015 17:01	67
30/11/2015 11:01	67	4/12/2015 16:31	67	10/12/2015 11:01	68	15/12/2015 17:31	67
30/11/2015 11:31	67	4/12/2015 17:01	67	10/12/2015 11:31	68	15/12/2015 18:01	67
30/11/2015 12:01	67	4/12/2015 17:31	63	10/12/2015 12:01	67	15/12/2015 18:31	67
30/11/2015 12:31	67	4/12/2015 18:01	64	10/12/2015 12:31	67	16/12/2015 7:01	67
30/11/2015 13:01	67	4/12/2015 18:31	64	10/12/2015 13:01	68	16/12/2015 7:31	68
30/11/2015 13:31	67	5/12/2015 7:01	66	10/12/2015 13:31	68	16/12/2015 8:01	68
30/11/2015 14:01	67	5/12/2015 7:31	66	10/12/2015 14:01	68	16/12/2015 8:31	67
30/11/2015 14:31	67	5/12/2015 8:01	68	10/12/2015 14:31	67	16/12/2015 9:01	68
30/11/2015 15:01	68	5/12/2015 8:31	67	10/12/2015 15:01	64	16/12/2015 9:31	68
30/11/2015 15:31	67	5/12/2015 9:01	67	10/12/2015 15:31	66	16/12/2015 10:01	68
30/11/2015 16:01	67	5/12/2015 9:31	66	10/12/2015 16:01	65	16/12/2015 10:31	69
30/11/2015 16:31	67	5/12/2015 10:01	67	10/12/2015 16:31	65	16/12/2015 11:01	68
30/11/2015 17:01	67	5/12/2015 10:31	66	10/12/2015 17:01	67	16/12/2015 11:31	68
30/11/2015 17:31	66	5/12/2015 11:01	64	10/12/2015 17:31	66	16/12/2015 12:01	68
30/11/2015 18:01	66	5/12/2015 11:31	65	10/12/2015 18:01	64	16/12/2015 12:31	67
30/11/2015 18:31	67	5/12/2015 12:01	66	10/12/2015 18:31	64	16/12/2015 13:01	68
1/12/2015 7:01	68	5/12/2015 12:31	67	11/12/2015 7:01	67	16/12/2015 13:31	68
1/12/2015 7:31	67	5/12/2015 13:01	67	11/12/2015 7:31	68	16/12/2015 14:01	68
1/12/2015 8:01	66	5/12/2015 13:31	67	11/12/2015 8:01	67	16/12/2015 14:31	68
1/12/2015 8:31	66	5/12/2015 14:01	65	11/12/2015 8:31	65	16/12/2015 15:01	68
1/12/2015 9:01	69	5/12/2015 14:31	67	11/12/2015 9:01	67	16/12/2015 15:31	68
1/12/2015 9:31	67	5/12/2015 15:01	68	11/12/2015 9:31	65	16/12/2015 16:01	68
1/12/2015 10:01	68	5/12/2015 15:31	68	11/12/2015 10:01	64	16/12/2015 16:31	67
1/12/2015 10:31	67	5/12/2015 16:01	68	11/12/2015 10:31	64	16/12/2015 17:01	67
1/12/2015 11:01	68	5/12/2015 16:31	68	11/12/2015 11:01	66	16/12/2015 17:31	67
1/12/2015 11:31	67	5/12/2015 17:01	68	11/12/2015 11:31	65	16/12/2015 18:01	66
1/12/2015 12:01	67	5/12/2015 17:31	67	11/12/2015 12:01	64	16/12/2015 18:31	66
1/12/2015 12:31	67	5/12/2015 18:01	67	11/12/2015 12:31	63	17/12/2015 7:01	67
1/12/2015 13:01	67	5/12/2015 18:31	67	11/12/2015 13:01	64	17/12/2015 7:31	67
1/12/2015 13:31	67	7/12/2015 7:01	67	11/12/2015 13:31	67	17/12/2015 8:01	67
1/12/2015 14:01	67	7/12/2015 7:31	68	11/12/2015 14:01	65	17/12/2015 8:31	65
1/12/2015 14:31	68	7/12/2015 8:01	67	11/12/2015 14:31	65	17/12/2015 9:01	67
1/12/2015 15:01	67	7/12/2015 8:31	65	11/12/2015 15:01	64	17/12/2015 9:31	67
1/12/2015 15:31	67	7/12/2015 9:01	65	11/12/2015 15:31	66	17/12/2015 10:01	68
1/12/2015 16:01	67	7/12/2015 9:31	68	11/12/2015 16:01	63	17/12/2015 10:31	68
1/12/2015 16:31	67	7/12/2015 10:01	68	11/12/2015 16:31	65	17/12/2015 11:01	68
1/12/2015 17:01	67	7/12/2015 10:31	65	11/12/2015 17:01	65	17/12/2015 11:31	67
1/12/2015 17:31	65	7/12/2015 11:01	65	11/12/2015 17:31	66	17/12/2015 12:01	67
1/12/2015 18:01	64	7/12/2015 11:31	65	11/12/2015 18:01	61	17/12/2015 12:31	67
1/12/2015 18:31	65	7/12/2015 12:01	63	11/12/2015 18:31	62	17/12/2015 13:01	67
2/12/2015 7:01	66	7/12/2015 12:31	65	12/12/2015 7:01	67	17/12/2015 13:31	67
2/12/2015 7:31	66	7/12/2015 13:01	67	12/12/2015 7:31	66	17/12/2015 14:01	66
2/12/2015 8:01	67	7/12/2015 13:31	68	12/12/2015 8:01	67	17/12/2015 14:31	64
2/12/2015 8:31	65	7/12/2015 14:01	68	12/12/2015 8:31	67	17/12/2015 15:01	64
2/12/2015 9:01	66	7/12/2015 14:31	68	12/12/2015 9:01	67	17/12/2015 15:31	64
2/12/2015 9:31	66	7/12/2015 15:01	67	12/12/2015 9:31	66	17/12/2015 16:01	67
2/12/2015 10:01	65	7/12/2015 15:31	67	12/12/2015 10:01	65	17/12/2015 16:31	67
2/12/2015 10:31	66	7/12/2015 16:01	67	12/12/2015 10:31	65	17/12/2015 17:01	67
2/12/2015 11:01	67	7/12/2015 16:31	67	12/12/2015 11:01	64	17/12/2015 17:31	67
2/12/2015 11:31	67	7/12/2015 17:01	67	12/12/2015 11:31	65	17/12/2015 18:01	67
2/12/2015 12:01	67	7/12/2015 17:31	67	12/12/2015 12:01	64	17/12/2015 18:31	66
2/12/2015 12:31	67	7/12/2015 18:01	67	12/12/2015 12:31	64	18/12/2015 7:01	67
2/12/2015 13:01	67	7/12/2015 18:31	64	12/12/2015 13:01	65	18/12/2015 7:31	68
2/12/2015 13:31	67	8/12/2015 7:01	67	12/12/2015 13:31	64	18/12/2015 8:01	69
2/12/2015 14:01	67	8/12/2015 7:31	67	12/12/2015 14:01	66	18/12/2015 8:31	66
2/12/2015 14:31	68	8/12/2015 8:01	67	12/12/2015 14:31	65	18/12/2015 9:01	65
2/12/2015 15:01	67	8/12/2015 8:31	68	12/12/2015 15:01	67	18/12/2015 9:31	68
2/12/2015 15:31	67	8/12/2015 9:01	68	12/12/2015 15:31	66	18/12/2015 10:01	68
2/12/2015 16:01	68	8/12/2015 9:31	68	12/12/2015 16:01	68	18/12/2015 10:31	66
2/12/2015 16:31	67	8/12/2015 10:01	68	12/12/2015 16:31	68	18/12/2015 11:01	67
2/12/2015 17:01	67	8/12/2015 10:31	68	12/12/2015 17:01	66	18/12/2015 11:31	66
2/12/2015 17:31	68	8/12/2015 11:01	68	12/12/2015 17:31	66	18/12/2015 12:01	63
2/12/2015 18:01	66	8/12/2015 11:31	68	12/12/2015 18:01	67	18/12/2015 12:31	64
2/12/2015 18:31	66	8/12/2015 12:01	67	14/12/2015 7:01	66	18/12/2015 13:01	64
3/12/2015 7:01	66	8/12/2015 12:31	67	14/12/2015 7:31	67	18/12/2015 13:31	67
3/12/2015 7:31	66	8/12/2015 13:01	67	14/12/2015 8:01	66	18/12/2015 14:01	65
3/12/2015 8:01	66	8/12/2015 13:31	67	14/12/2015 8:31	67	18/12/2015 14:31	65
3/12/2015 8:31	65	8/12/2015 14:01	66	14/12/2015 9:01	66	18/12/2015 15:01	64
3/12/2015 9:01	67	8/12/2015 14:31	66	14/12/2015 9:31	68	18/12/2015 15:31	66
3/12/2015 9:31	68	8/12/2015 15:01	67	14/12/2015 10:01	67	18/12/2015 16:01	66
3/12/2015 10:01	68	8/12/2015 15:31	65	14/12/2015 10:31	68	18/12/2015 16:31	68
3/12/2015 10:31	67	8/12/2015 16:01	67	14/12/2015 11:01	68	18/12/2015 17:01	64
3/12/2015 11:01	68	8/12/2015 16:31	70	14/12/2015 11:31	67	18/12/2015 18:01	64
3/12/2015 11:31	67	8/12/2015 17:01	67	14/12/2015 12:01	66	18/12/2015 18:31	63
3/12/2015 12:01	68	8/12/2015 17:31	67	14/12/2015			

Real-time Noise Data	RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)							
29/11/2015 10:56 66	29/11/2015 20:01 59	1/12/2015 21:06 65	3/12/2015 22:11 65	6/12/2015 7:16 64	6/12/2015 16:21 59			
29/11/2015 11:01 66	29/11/2015 20:06 65	1/12/2015 21:11 65	3/12/2015 22:16 66	6/12/2015 7:21 66	6/12/2015 16:26 58			
29/11/2015 11:06 54	29/11/2015 20:11 65	1/12/2015 21:16 65	3/12/2015 22:21 65	6/12/2015 7:26 66	6/12/2015 16:31 56			
29/11/2015 11:11 66	29/11/2015 20:16 65	1/12/2015 21:21 66	3/12/2015 22:26 65	6/12/2015 7:31 65	6/12/2015 16:36 57			
29/11/2015 11:16 66	29/11/2015 20:21 65	1/12/2015 21:26 66	3/12/2015 22:31 65	6/12/2015 7:36 50	6/12/2015 16:41 61			
29/11/2015 11:21 66	29/11/2015 20:26 65	1/12/2015 21:31 65	3/12/2015 22:36 65	6/12/2015 7:41 66	6/12/2015 16:46 60			
29/11/2015 11:26 66	29/11/2015 20:31 62	1/12/2015 21:36 65	3/12/2015 22:41 65	6/12/2015 7:46 66	6/12/2015 16:51 58			
29/11/2015 11:31 66	29/11/2015 20:36 65	1/12/2015 21:41 65	3/12/2015 22:46 65	6/12/2015 7:51 56	6/12/2015 16:56 56			
29/11/2015 11:36 66	29/11/2015 20:41 65	1/12/2015 21:46 65	3/12/2015 22:51 65	6/12/2015 7:56 66	6/12/2015 17:01 61			
29/11/2015 11:41 66	29/11/2015 20:46 65	1/12/2015 21:51 65	3/12/2015 22:56 65	6/12/2015 8:01 66	6/12/2015 17:06 60			
29/11/2015 11:46 66	29/11/2015 20:51 65	1/12/2015 21:56 66	4/12/2015 19:01 64	6/12/2015 8:06 66	6/12/2015 17:11 57			
29/11/2015 11:51 66	29/11/2015 20:56 65	1/12/2015 22:01 65	4/12/2015 19:06 63	6/12/2015 8:11 66	6/12/2015 17:16 58			
29/11/2015 11:56 66	29/11/2015 21:01 65	1/12/2015 22:06 65	4/12/2015 19:11 63	6/12/2015 8:16 45	6/12/2015 17:21 54			
29/11/2015 12:01 66	29/11/2015 21:06 65	1/12/2015 22:11 66	4/12/2015 19:16 63	6/12/2015 8:21 57	6/12/2015 17:26 59			
29/11/2015 12:06 66	29/11/2015 21:11 65	1/12/2015 22:16 65	4/12/2015 19:21 62	6/12/2015 8:26 57	6/12/2015 17:31 57			
29/11/2015 12:11 66	29/11/2015 21:16 65	1/12/2015 22:21 66	4/12/2015 19:26 63	6/12/2015 8:31 53	6/12/2015 17:36 54			
29/11/2015 12:16 52	29/11/2015 21:21 65	1/12/2015 22:26 65	4/12/2015 19:31 65	6/12/2015 8:36 51	6/12/2015 17:41 66			
29/11/2015 12:21 66	29/11/2015 21:26 65	1/12/2015 22:31 66	4/12/2015 19:36 66	6/12/2015 8:41 62	6/12/2015 17:46 59			
29/11/2015 12:26 47	29/11/2015 21:31 65	1/12/2015 22:36 65	4/12/2015 19:41 66	6/12/2015 8:46 59	6/12/2015 17:51 53			
29/11/2015 12:31 66	29/11/2015 21:36 65	1/12/2015 22:41 65	4/12/2015 19:46 66	6/12/2015 8:51 60	6/12/2015 17:56 55			
29/11/2015 12:36 66	29/11/2015 21:41 65	1/12/2015 22:46 65	4/12/2015 19:51 66	6/12/2015 8:56 59	6/12/2015 18:01 57			
29/11/2015 12:41 66	29/11/2015 21:46 65	1/12/2015 22:51 65	4/12/2015 19:56 66	6/12/2015 9:01 62	6/12/2015 18:06 55			
29/11/2015 12:46 66	29/11/2015 21:51 65	1/12/2015 22:56 65	4/12/2015 20:01 66	6/12/2015 9:06 63	6/12/2015 18:11 66			
29/11/2015 12:51 66	29/11/2015 21:56 65	2/12/2015 19:01 66	4/12/2015 20:06 66	6/12/2015 9:11 64	6/12/2015 18:16 49			
29/11/2015 12:56 66	29/11/2015 22:01 65	2/12/2015 19:06 66	4/12/2015 20:11 66	6/12/2015 9:16 63	6/12/2015 18:21 66			
29/11/2015 13:01 66	29/11/2015 22:06 65	2/12/2015 19:11 66	4/12/2015 20:16 66	6/12/2015 9:21 60	6/12/2015 18:26 49			
29/11/2015 13:06 66	29/11/2015 22:11 65	2/12/2015 19:16 65	4/12/2015 20:21 48	6/12/2015 9:26 62	6/12/2015 18:31 61			
29/11/2015 13:11 66	29/11/2015 22:16 65	2/12/2015 19:21 66	4/12/2015 20:26 66	6/12/2015 9:31 60	6/12/2015 18:36 57			
29/11/2015 13:16 66	29/11/2015 22:21 65	2/12/2015 19:26 66	4/12/2015 20:31 66	6/12/2015 9:36 61	6/12/2015 18:41 57			
29/11/2015 13:21 66	29/11/2015 22:26 65	2/12/2015 19:31 66	4/12/2015 20:36 65	6/12/2015 9:41 62	6/12/2015 18:46 51			
29/11/2015 13:26 59	29/11/2015 22:31 65	2/12/2015 19:36 66	4/12/2015 20:41 66	6/12/2015 9:46 63	6/12/2015 18:51 45			
29/11/2015 13:31 66	29/11/2015 22:36 65	2/12/2015 19:41 66	4/12/2015 20:46 65	6/12/2015 9:51 61	6/12/2015 18:56 66			
29/11/2015 13:36 66	29/11/2015 22:41 65	2/12/2015 19:46 56	4/12/2015 20:51 65	6/12/2015 9:56 63	6/12/2015 19:01 59			
29/11/2015 13:41 66	29/11/2015 22:46 65	2/12/2015 19:51 66	4/12/2015 20:56 65	6/12/2015 10:01 62	6/12/2015 19:06 58			
29/11/2015 13:46 66	29/11/2015 22:51 65	2/12/2015 19:56 66	4/12/2015 21:01 61	6/12/2015 10:06 63	6/12/2015 19:11 66			
29/11/2015 13:51 66	29/11/2015 22:56 66	2/12/2015 20:01 66	4/12/2015 21:06 65	6/12/2015 10:11 59	6/12/2015 19:16 66			
29/11/2015 13:56 66	30/11/2015 19:01 66	2/12/2015 20:06 66	4/12/2015 21:11 65	6/12/2015 10:16 60	6/12/2015 19:21 52			
29/11/2015 14:01 49	30/11/2015 19:06 53	2/12/2015 20:11 66	4/12/2015 21:16 66	6/12/2015 10:21 65	6/12/2015 19:26 66			
29/11/2015 14:06 66	30/11/2015 19:11 66	2/12/2015 20:16 66	4/12/2015 21:21 66	6/12/2015 10:26 65	6/12/2015 19:31 66			
29/11/2015 14:11 66	30/11/2015 19:16 66	2/12/2015 20:21 66	4/12/2015 21:26 66	6/12/2015 10:31 62	6/12/2015 19:36 66			
29/11/2015 14:16 47	30/11/2015 19:21 66	2/12/2015 20:26 66	4/12/2015 21:31 66	6/12/2015 10:36 60	6/12/2015 19:41 66			
29/11/2015 14:21 66	30/11/2015 19:26 66	2/12/2015 20:31 66	4/12/2015 21:36 66	6/12/2015 10:41 62	6/12/2015 19:46 66			
29/11/2015 14:26 54	30/11/2015 19:31 60	2/12/2015 20:36 66	4/12/2015 21:41 66	6/12/2015 10:46 62	6/12/2015 19:51 66			
29/11/2015 14:31 66	30/11/2015 19:36 66	2/12/2015 20:41 66	4/12/2015 21:46 65	6/12/2015 10:51 63	6/12/2015 19:56 66			
29/11/2015 14:36 66	30/11/2015 19:41 66	2/12/2015 20:46 66	4/12/2015 21:51 66	6/12/2015 10:56 61	6/12/2015 20:01 66			
29/11/2015 14:41 66	30/11/2015 19:46 66	2/12/2015 20:51 65	4/12/2015 21:56 65	6/12/2015 11:01 69	6/12/2015 20:06 57			
29/11/2015 14:46 66	30/11/2015 19:51 66	2/12/2015 20:56 65	4/12/2015 22:01 66	6/12/2015 11:06 61	6/12/2015 20:11 66			
29/11/2015 14:51 66	30/11/2015 19:56 66	2/12/2015 21:01 66	4/12/2015 22:06 65	6/12/2015 11:11 62	6/12/2015 20:16 66			
29/11/2015 14:56 66	30/11/2015 20:01 65	2/12/2015 21:06 66	4/12/2015 22:11 66	6/12/2015 11:16 63	6/12/2015 20:21 47			
29/11/2015 15:01 66	30/11/2015 20:06 66	2/12/2015 21:11 65	4/12/2015 22:16 66	6/12/2015 11:21 62	6/12/2015 20:26 66			
29/11/2015 15:06 40	30/11/2015 20:11 66	2/12/2015 21:16 65	4/12/2015 22:21 66	6/12/2015 11:26 61	6/12/2015 20:31 66			
29/11/2015 15:11 66	30/11/2015 20:16 66	2/12/2015 21:21 65	4/12/2015 22:26 66	6/12/2015 11:31 62	6/12/2015 20:36 60			
29/11/2015 15:16 61	30/11/2015 20:21 66	2/12/2015 21:26 66	4/12/2015 22:31 66	6/12/2015 11:36 62	6/12/2015 20:41 66			
29/11/2015 15:21 66	30/11/2015 20:26 66	2/12/2015 21:31 65	4/12/2015 22:36 66	6/12/2015 11:41 62	6/12/2015 20:46 66			
29/11/2015 15:26 66	30/11/2015 20:31 65	2/12/2015 21:36 51	4/12/2015 22:41 65	6/12/2015 11:46 64	6/12/2015 20:51 66			
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29/11/2015 15:36 70	30/11/2015 20:41 66	2/12/2015 21:46 66	4/12/2015 22:51 65	6/12/2015 11:56 63	6/12/2015 21:01 66			
29/11/2015 15:41 72	30/11/2015 20:46 65	2/12/2015 21:51 65	4/12/2015 22:56 66	6/12/2015 12:01 62	6/12/2015 21:06 66			
29/11/2015 15:46 66	30/11/2015 20:51 66	2/12/2015 21:56 66	5/12/2015 19:01 66	6/12/2015 12:06 59	6/12/2015 21:11 66			
29/11/2015 15:51 71	30/11/2015 20:56 65	2/12/2015 22:01 65	5/12/2015 19:06 66	6/12/2015 12:11 62	6/12/2015 21:16 66			
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29/11/2015 16:26 66	30/11/2015 21:31 65	2/12/2015 22:36 65	5/12/2015 19:41 60	6/12/2015 12:46 60	6/12/2015 21:51 66			
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29/11/2015 16:41 66	30/11/2015 21:46 65	2/12/2015 22:51 65	5/12/2015 19:56 58	6/12/2015 13:01 62	6/12/2015 22:06 66			
29/11/2015 16:46 66	30/11/2015 21:51 65	2/12/2015 22:56 65	5/12/2015 20:01 60	6/12/2015 13:06 59	6/12/2015 22:11 66			
29/11/2015 16:51 66	30/11/2015 21:56 66	3/12/2015 19:01 62	5/12/2015 20:06 56	6/12/2015 13:11 60	6/12/2015 22:16 66			
29/11/2015 16:56 66	30/11/2015 22:01 66	3/12/2015 19:06 63	5/12/2015 20:11 58	6/12/2015 13:16 60	6/12/2015 22:21 66			
29/11/2015 17:01 56	30/11/2015 22:06 66	3/12/2015 19:11 65	5/12/2015 20:16 51	6/12/2015 13:21 57	6/12/2015 22:26 66			
29/11/2015 17:06 66	30/11/2015 22:11 65	3/12/2015 19:16 66	5/12/2015 20:21 51	6/12/2015 13:26 58	6/12/2015 22:31 66			
29/11/2015 17:11 66	30/11/2015 22:16 66	3/12/2015 19:21 66	5/12/2015 20:26 58	6/12/2015 13:31 62	6/12/2015 22:36 66			
29/11/2015 17:16 66	30/11/2015 22:21 65	3/12/2015 19:26 65	5/12/2015 20:31 54	6/12/2015 13:36 58	6/12/2015 22:41 66			
29/11/2015 17:21 66	30/11/2015 22:26 66	3/12/2015 19:31 66	5/12/2015 20:36 57	6/12/2015 13:41 60	6/12/2015 22:46 66			
29/11/2015 17:26 66	30/11/2015 22:31 65	3/12/2015 19:36 65	5/12/2015 20:41 53	6/12/2015 13:46 59	6/12/2015 22:51 65			
29/11/2015 17:31 52	30/11/2015 22:36 64	3/12/2015 19:41 66	5/12/2015 20:46 59	6/12/2015 13:51 59	6/12/2015 22:56 66			
29/11/2015 17:36 66	30/11/2015 22:41 65	3/12/2015 19:46 66	5/12/2015 20:51 60	6/12/2015 13:56 62	7/12/2015 19:01 63			
29/11/2015 17:41 66	30/11/2015 22:46 65	3/12/2015 19:51 66	5/12/2015 20:56 57	6/12/2015 14:01 59	7/12/2015 19:06 63			
29/11/2015 17:46 65	30/11/2015 22:51 65	3/12/2015 19:56 65	5/12/2015 21:01 54	6/12/2015 14:06 63	7/12/2015 19:11 63			
29/11/2015 17:51 66	30/11/2015 22:56 65	3/12/2015 20:01 66	5/12/2015 21:06 66	6/12/2015 14:11 56	7/12/2015 19:16 64			
29/11/2015 17:56 66	1/12/2015 19:01 66	3/12/2015 20:06 65	5/12/2015 21:11 57	6/12/2015 14:16 58	7/12/			

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
7/12/2015 21:26	66	9/12/2015 22:31	55	12/12/2015 19:36	66	13/12/2015 12:41	66	13/12/2015 21:46	66	15/12/2015 22:51	51
7/12/2015 21:31	66	9/12/2015 22:36	58	12/12/2015 19:41	66	12/12/2015 12:46	57	13/12/2015 21:51	65	15/12/2015 22:56	66
7/12/2015 21:36	53	9/12/2015 22:41	60	12/12/2015 19:46	66	12/12/2015 12:51	59	13/12/2015 21:56	65	16/12/2015 19:01	66
7/12/2015 21:41	66	9/12/2015 22:46	56	12/12/2015 19:51	66	12/12/2015 12:56	59	13/12/2015 22:01	66	16/12/2015 19:06	67
7/12/2015 21:46	66	9/12/2015 22:51	48	12/12/2015 19:56	66	12/12/2015 13:01	66	13/12/2015 22:06	65	16/12/2015 19:11	59
7/12/2015 21:51	66	9/12/2015 22:56	66	12/12/2015 20:01	66	12/12/2015 13:06	66	13/12/2015 22:11	65	16/12/2015 19:16	66
7/12/2015 21:56	66	10/12/2015 19:01	64	12/12/2015 20:06	66	12/12/2015 13:11	67	13/12/2015 22:16	65	16/12/2015 19:21	66
7/12/2015 22:01	65	10/12/2015 19:06	63	12/12/2015 20:11	65	12/12/2015 13:16	65	13/12/2015 22:21	66	16/12/2015 19:26	66
7/12/2015 22:06	66	10/12/2015 19:11	63	12/12/2015 20:16	65	12/12/2015 13:21	54	13/12/2015 22:26	65	16/12/2015 19:31	55
7/12/2015 22:11	66	10/12/2015 19:16	63	12/12/2015 20:21	66	12/12/2015 13:26	50	13/12/2015 22:31	65	16/12/2015 19:36	56
7/12/2015 22:16	65	10/12/2015 19:21	63	12/12/2015 20:26	65	12/12/2015 13:31	66	13/12/2015 22:36	65	16/12/2015 19:41	45
7/12/2015 22:21	66	10/12/2015 19:26	64	12/12/2015 20:31	65	12/12/2015 13:36	66	13/12/2015 22:41	66	16/12/2015 19:46	50
7/12/2015 22:26	66	10/12/2015 19:31	63	12/12/2015 20:36	65	12/12/2015 13:41	58	13/12/2015 22:46	49	16/12/2015 19:51	61
7/12/2015 22:31	66	10/12/2015 19:36	64	12/12/2015 20:41	65	12/12/2015 13:46	55	13/12/2015 22:51	65	16/12/2015 19:56	51
7/12/2015 22:36	66	10/12/2015 19:41	59	12/12/2015 20:46	65	12/12/2015 13:51	46	13/12/2015 22:56	65	16/12/2015 20:01	45
7/12/2015 22:41	66	10/12/2015 19:46	66	12/12/2015 20:51	65	12/12/2015 13:56	66	14/12/2015 19:01	63	16/12/2015 20:06	61
7/12/2015 22:46	65	10/12/2015 19:51	40	12/12/2015 20:56	65	12/12/2015 14:01	66	14/12/2015 19:06	65	16/12/2015 20:11	66
7/12/2015 22:51	66	10/12/2015 19:56	66	12/12/2015 21:01	65	12/12/2015 14:06	59	14/12/2015 19:11	64	16/12/2015 20:16	56
7/12/2015 22:56	66	10/12/2015 20:01	53	12/12/2015 21:06	65	12/12/2015 14:11	66	14/12/2015 19:16	64	16/12/2015 20:21	66
8/12/2015 19:01	66	10/12/2015 20:06	57	12/12/2015 21:11	65	12/12/2015 14:16	49	14/12/2015 19:21	64	16/12/2015 20:26	66
8/12/2015 19:06	54	10/12/2015 20:11	66	12/12/2015 21:16	66	12/12/2015 14:21	66	14/12/2015 19:26	65	16/12/2015 20:31	66
8/12/2015 19:11	66	10/12/2015 20:16	66	12/12/2015 21:21	58	12/12/2015 14:26	66	14/12/2015 19:31	66	16/12/2015 20:36	46
8/12/2015 19:16	57	10/12/2015 20:21	66	12/12/2015 21:26	66	12/12/2015 14:31	66	14/12/2015 19:36	66	16/12/2015 20:41	66
8/12/2015 19:21	57	10/12/2015 20:26	66	12/12/2015 21:31	66	12/12/2015 14:36	66	14/12/2015 19:41	66	16/12/2015 20:46	66
8/12/2015 19:26	55	10/12/2015 20:31	66	12/12/2015 21:36	65	12/12/2015 14:41	66	14/12/2015 19:46	66	16/12/2015 20:51	66
8/12/2015 19:31	57	10/12/2015 20:36	66	12/12/2015 21:41	65	12/12/2015 14:46	66	14/12/2015 19:51	40	16/12/2015 20:56	66
8/12/2015 19:36	51	10/12/2015 20:41	66	12/12/2015 21:46	66	12/12/2015 14:51	59	14/12/2015 19:56	66	16/12/2015 21:01	66
8/12/2015 19:41	66	10/12/2015 20:46	66	12/12/2015 21:51	65	12/12/2015 14:56	49	14/12/2015 20:01	49	16/12/2015 21:06	65
8/12/2015 19:46	47	10/12/2015 20:51	66	12/12/2015 21:56	66	12/12/2015 15:01	66	14/12/2015 20:06	66	16/12/2015 21:11	66
8/12/2015 19:51	43	10/12/2015 20:56	66	12/12/2015 22:01	66	12/12/2015 15:06	66	14/12/2015 20:11	66	16/12/2015 21:16	66
8/12/2015 19:56	66	10/12/2015 21:01	47	12/12/2015 22:06	66	12/12/2015 15:11	66	14/12/2015 20:16	66	16/12/2015 21:21	51
8/12/2015 20:01	65	10/12/2015 21:06	56	12/12/2015 22:11	66	12/12/2015 15:16	66	14/12/2015 20:21	66	16/12/2015 21:26	66
8/12/2015 20:06	50	10/12/2015 21:11	66	12/12/2015 22:16	66	12/12/2015 15:21	66	14/12/2015 20:26	55	16/12/2015 21:31	57
8/12/2015 20:11	66	10/12/2015 21:16	66	12/12/2015 22:21	66	12/12/2015 15:26	48	14/12/2015 20:31	66	16/12/2015 21:36	43
8/12/2015 20:16	66	10/12/2015 21:21	66	12/12/2015 22:26	65	12/12/2015 15:31	66	14/12/2015 20:36	66	16/12/2015 21:41	66
8/12/2015 20:21	66	10/12/2015 21:26	66	12/12/2015 22:31	65	12/12/2015 15:36	66	14/12/2015 20:41	66	16/12/2015 21:46	50
8/12/2015 20:26	66	10/12/2015 21:31	66	12/12/2015 22:36	66	12/12/2015 15:41	66	14/12/2015 20:46	58	16/12/2015 21:51	60
8/12/2015 20:31	66	10/12/2015 21:36	66	12/12/2015 22:41	66	12/12/2015 15:46	66	14/12/2015 20:51	66	16/12/2015 21:56	66
8/12/2015 20:36	66	10/12/2015 21:41	66	12/12/2015 22:46	66	12/12/2015 15:51	66	14/12/2015 20:56	66	16/12/2015 22:01	66
8/12/2015 20:41	66	10/12/2015 21:46	66	12/12/2015 22:51	66	12/12/2015 15:56	66	14/12/2015 21:01	66	16/12/2015 22:06	66
8/12/2015 20:46	66	10/12/2015 21:51	66	12/12/2015 22:56	66	12/12/2015 16:01	66	14/12/2015 21:06	65	16/12/2015 22:11	66
8/12/2015 20:51	66	10/12/2015 21:56	66	13/12/2015 7:01	64	13/12/2015 16:06	66	14/12/2015 21:11	66	16/12/2015 22:16	66
8/12/2015 20:56	66	10/12/2015 22:01	66	13/12/2015 7:06	63	13/12/2015 16:11	66	14/12/2015 21:16	66	16/12/2015 22:21	62
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8/12/2015 21:06	65	10/12/2015 22:11	66	13/12/2015 7:16	65	13/12/2015 16:21	66	14/12/2015 21:26	66	16/12/2015 22:31	66
8/12/2015 21:11	65	10/12/2015 22:16	66	13/12/2015 7:21	64	13/12/2015 16:26	66	14/12/2015 21:31	66	16/12/2015 22:36	66
8/12/2015 21:16	66	10/12/2015 22:21	66	13/12/2015 7:26	65	13/12/2015 16:31	66	14/12/2015 21:36	65	16/12/2015 22:41	52
8/12/2015 21:21	66	10/12/2015 22:26	66	13/12/2015 7:31	65	13/12/2015 16:36	66	14/12/2015 21:41	66	16/12/2015 22:46	65
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8/12/2015 21:31	65	10/12/2015 22:36	66	13/12/2015 7:41	57	13/12/2015 16:46	66	14/12/2015 21:51	66	16/12/2015 22:56	66
8/12/2015 21:36	65	10/12/2015 22:41	60	13/12/2015 7:46	66	13/12/2015 16:51	52	14/12/2015 21:56	66	17/12/2015 19:01	47
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8/12/2015 21:46	65	10/12/2015 22:51	66	13/12/2015 7:56	65	13/12/2015 17:01	66	14/12/2015 22:06	66	17/12/2015 19:11	47
8/12/2015 21:51	66	10/12/2015 22:56	66	13/12/2015 8:01	66	13/12/2015 17:06	66	14/12/2015 22:11	66	17/12/2015 19:16	53
8/12/2015 21:56	66	11/12/2015 19:01	62	13/12/2015 8:06	66	13/12/2015 17:11	66	14/12/2015 22:16	66	17/12/2015 19:21	66
8/12/2015 22:01	65	11/12/2015 19:06	63	13/12/2015 8:11	65	13/12/2015 17:16	66	14/12/2015 22:21	66	17/12/2015 19:26	66
8/12/2015 22:06	65	11/12/2015 19:11	62	13/12/2015 8:16	63	13/12/2015 17:21	66	14/12/2015 22:26	66	17/12/2015 19:31	53
8/12/2015 22:11	66	11/12/2015 19:16	62	13/12/2015 8:21	65	13/12/2015 17:26	55	14/12/2015 22:31	66	17/12/2015 19:36	67
8/12/2015 22:16	66	11/12/2015 19:21	61	13/12/2015 8:26	65	13/12/2015 17:31	66	14/12/2015 22:36	65	17/12/2015 19:41	54
8/12/2015 22:21	66	11/12/2015 19:26	61	13/12/2015 8:31	66	13/12/2015 17:36	66	14/12/2015 22:41	66	17/12/2015 19:46	66
8/12/2015 22:26	66	11/12/2015 19:31	62	13/12/2015 8:36	65	13/12/2015 17:41	66	14/12/2015 22:46	65	17/12/2015 19:51	66
8/12/2015 22:31	65	11/12/2015 19:36	40	13/12/2015 8:41	65	13/12/2015 17:46	66	14/12/2015 22:51	66	17/12/2015 19:56	66
8/12/2015 22:36	65	11/12/2015 19:41	61	13/12/2015 8:46	65	13/12/2015 17:51	66	14/12/2015 22:56	65	17/12/2015 20:01	66
8/12/2015 22:41	66	11/12/2015 19:46	62	13/12/2015 8:51	65	13/12/2015 17:56	66	15/12/2015 19:01	60	17/12/2015 20:06	66
8/12/2015 22:46	66	11/12/2015 19:51	62	13/12/2015 8:56	66	13/12/2015 18:01	66	15/12/2015 19:06	58	17/12/2015 20:11	66
8/12/2015 22:51	65	11/12/2015 19:56	63	13/12/2015 9:01	66	13/12/2015 18:06	66	15/12/2015 19:11	57	17/12/2015 20:16	66
8/12/2015 22:56	66	11/12/2015 20:01	62	13/12/2015 9:06	66	13/12/2015 18:11	66	15/12/2015 19:16	66	17/12/2015 20:21	66
9/12/2015 19:01	62	11/12/2015 20:06	63	13/12/2015 9:11	66	13/12/2015 18:16	65	15/12/2015 19:21	66	17/12/2015 20:26	66
9/12/2015 19:06	60	11/12/2015 20:11	62	13/12/2015 9:16	66	13/12/2015 18:21	66	15/12/2015 19:26	56	17/12/2015 20:31	66
9/12/2015 19:11	62	11/12/2015 20:16	65	13/12/2015 9:21	65	13/12/2015 18:26	56	15/12/2015 19:31	54	17/12/2015 20:36	66
9/12/2015 19:16	64	11/12/2015 20:21	66	13/12/2015 9:26	66	13/12/2015 18:31	56	15/12/2015 19:36	54	17/12/2015 20:41	66
9/12/2015 19:21	60	11/12/2015 20:26	66	13/12/2015 9:31	66	13/12/2015 1					

Real-time Noise Data	RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)					
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18/12/2015 20:01 66	20/12/2015 9:06 66	20/12/2015 18:11 66	22/12/2015 19:16 56	24/12/2015 20:21 66	25/12/2015 13:26 52	
18/12/2015 20:06 66	20/12/2015 9:11 66	20/12/2015 18:16 66	22/12/2015 19:21 52	24/12/2015 20:26 66	25/12/2015 13:31 66	
18/12/2015 20:11 66	20/12/2015 9:16 51	20/12/2015 18:21 66	22/12/2015 19:26 66	24/12/2015 20:31 65	25/12/2015 13:36 53	
18/12/2015 20:16 66	20/12/2015 9:21 66	20/12/2015 18:26 66	22/12/2015 19:31 66	24/12/2015 20:36 65	25/12/2015 13:41 47	
18/12/2015 20:21 58	20/12/2015 9:26 66	20/12/2015 18:31 65	22/12/2015 19:36 66	24/12/2015 20:41 66	25/12/2015 13:46 55	
18/12/2015 20:26 67	20/12/2015 9:31 66	20/12/2015 18:36 66	22/12/2015 19:41 61	24/12/2015 20:46 65	25/12/2015 13:51 57	
18/12/2015 20:31 66	20/12/2015 9:36 66	20/12/2015 18:41 66	22/12/2015 19:46 61	24/12/2015 20:51 65	25/12/2015 13:56 66	
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18/12/2015 20:41 43	20/12/2015 9:46 66	20/12/2015 18:51 66	22/12/2015 19:56 66	24/12/2015 21:01 66	25/12/2015 14:06 54	
18/12/2015 20:46 66	20/12/2015 9:51 66	20/12/2015 18:56 65	22/12/2015 20:01 66	24/12/2015 21:06 64	25/12/2015 14:11 58	
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Real-time Noise Data	RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
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26/12/2015 11:31 66	26/12/2015 20:36 65	28/11/2015 6:26 63	29/11/2015 7:31 59	1/12/2015 0:36 55	2/12/2015 1:41 61					
26/12/2015 11:36 52	26/12/2015 20:41 65	28/11/2015 6:31 45	29/11/2015 7:36 57	1/12/2015 0:41 63	2/12/2015 1:46 61					
26/12/2015 11:41 66	26/12/2015 20:46 64	28/11/2015 6:36 53	29/11/2015 7:41 57	1/12/2015 0:46 63	2/12/2015 1:51 61					
26/12/2015 11:46 49	26/12/2015 20:51 65	28/11/2015 6:41 60	29/11/2015 7:46 57	1/12/2015 0:51 63	2/12/2015 1:56 61					
26/12/2015 11:51 66	26/12/2015 20:56 65	28/11/2015 6:46 60	29/11/2015 7:51 59	1/12/2015 0:56 63	2/12/2015 2:01 60					
26/12/2015 11:56 56	26/12/2015 21:01 65	28/11/2015 6:51 61	29/11/2015 7:56 58	1/12/2015 1:01 63	2/12/2015 2:06 60					
26/12/2015 12:01 47	26/12/2015 21:06 65	28/11/2015 6:56 57	30/11/2015 0:01 63	1/12/2015 1:06 45	2/12/2015 2:11 61					
26/12/2015 12:06 66	26/12/2015 21:11 65	28/11/2015 7:01 61	30/11/2015 0:06 50	1/12/2015 1:11 63	2/12/2015 2:16 60					
26/12/2015 12:11 66	26/12/2015 21:16 65	28/11/2015 7:06 60	30/11/2015 0:11 59	1/12/2015 1:16 62	2/12/2015 2:21 60					
26/12/2015 12:16 66	26/12/2015 21:21 65	28/11/2015 7:11 61	30/11/2015 0:16 51	1/12/2015 1:21 61	2/12/2015 2:26 59					
26/12/2015 12:21 66	26/12/2015 21:26 65	28/11/2015 7:16 60	30/11/2015 0:21 40	1/12/2015 1:26 61	2/12/2015 2:31 61					
26/12/2015 12:26 49	26/12/2015 21:31 65	28/11/2015 7:21 61	30/11/2015 0:26 55	1/12/2015 1:31 62	2/12/2015 2:36 59					
26/12/2015 12:31 65	26/12/2015 21:36 66	28/11/2015 7:26 60	30/11/2015 0:31 62	1/12/2015 1:36 61	2/12/2015 2:41 60					
26/12/2015 12:36 66	26/12/2015 21:41 65	28/11/2015 7:31 60	30/11/2015 0:36 56	1/12/2015 1:41 62	2/12/2015 2:46 60					
26/12/2015 12:41 61	26/12/2015 21:46 65	28/11/2015 7:36 60	30/11/2015 0:41 44	1/12/2015 1:46 61	2/12/2015 2:51 60					
26/12/2015 12:46 66	26/12/2015 21:51 65	28/11/2015 7:41 60	30/11/2015 0:46 62	1/12/2015 1:51 62	2/12/2015 2:56 61					
26/12/2015 12:51 66	26/12/2015 21:56 66	28/11/2015 7:46 60	30/11/2015 0:51 62	1/12/2015 1:56 62	2/12/2015 3:01 61					
26/12/2015 12:56 66	26/12/2015 22:01 65	28/11/2015 7:51 58	30/11/2015 0:56 63	1/12/2015 2:01 61	2/12/2015 3:06 60					
26/12/2015 13:01 66	26/12/2015 22:06 65	28/11/2015 7:56 63	30/11/2015 1:01 62	1/12/2015 2:06 61	2/12/2015 3:11 60					
26/12/2015 13:06 66	26/12/2015 22:11 65	29/11/2015 0:01 61	30/11/2015 1:06 62	1/12/2015 2:11 60	2/12/2015 3:16 58					
26/12/2015 13:11 66	26/12/2015 22:16 65	29/11/2015 0:06 59	30/11/2015 1:11 61	1/12/2015 2:16 60	2/12/2015 3:21 60					
26/12/2015 13:16 66	26/12/2015 22:21 66	29/11/2015 0:11 57	30/11/2015 1:16 62	1/12/2015 2:21 60	2/12/2015 3:26 58					
26/12/2015 13:21 59	26/12/2015 22:26 65	29/11/2015 0:16 58	30/11/2015 1:21 61	1/12/2015 2:26 61	2/12/2015 3:31 59					
26/12/2015 13:26 55	26/12/2015 22:31 65	29/11/2015 0:21 57	30/11/2015 1:26 62	1/12/2015 2:31 60	2/12/2015 3:36 60					
26/12/2015 13:31 66	26/12/2015 22:36 65	29/11/2015 0:2								

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)											
2/12/2015 5:41	62	3/12/2015 6:46	62	4/12/2015 23:51	63	6/12/2015 0:56	59	7/12/2015 2:01	61	8/12/2015 3:06	60		
2/12/2015 5:46	61	3/12/2015 6:51	63	4/12/2015 23:56	60	6/12/2015 1:01	58	7/12/2015 2:06	61	8/12/2015 3:11	60		
2/12/2015 5:51	61	3/12/2015 6:56	63	5/12/2015 0:01	61	6/12/2015 1:06	60	7/12/2015 2:11	63	8/12/2015 3:16	61		
2/12/2015 5:56	62	3/12/2015 23:01	60	5/12/2015 0:06	60	6/12/2015 1:11	57	7/12/2015 2:16	61	8/12/2015 3:21	61		
2/12/2015 6:01	62	3/12/2015 23:06	61	5/12/2015 0:11	60	6/12/2015 1:16	58	7/12/2015 2:21	61	8/12/2015 3:26	60		
2/12/2015 6:06	63	3/12/2015 23:11	60	5/12/2015 0:16	60	6/12/2015 1:21	57	7/12/2015 2:26	61	8/12/2015 3:31	59		
2/12/2015 6:11	47	3/12/2015 23:16	62	5/12/2015 0:21	61	6/12/2015 1:26	57	7/12/2015 2:31	61	8/12/2015 3:36	60		
2/12/2015 6:16	57	3/12/2015 23:21	60	5/12/2015 0:26	56	6/12/2015 1:31	52	7/12/2015 2:36	61	8/12/2015 3:41	60		
2/12/2015 6:21	55	3/12/2015 23:26	60	5/12/2015 0:31	59	6/12/2015 1:36	56	7/12/2015 2:41	59	8/12/2015 3:46	58		
2/12/2015 6:26	57	3/12/2015 23:31	60	5/12/2015 0:36	59	6/12/2015 1:41	53	7/12/2015 2:46	59	8/12/2015 3:51	59		
2/12/2015 6:31	56	3/12/2015 23:36	60	5/12/2015 0:41	57	6/12/2015 1:46	55	7/12/2015 2:51	59	8/12/2015 3:56	59		
2/12/2015 6:36	57	3/12/2015 23:41	60	5/12/2015 0:46	56	6/12/2015 1:51	57	7/12/2015 2:56	60	8/12/2015 4:01	59		
2/12/2015 6:41	62	3/12/2015 23:46	60	5/12/2015 0:51	57	6/12/2015 1:56	54	7/12/2015 3:01	59	8/12/2015 4:06	60		
2/12/2015 6:46	61	3/12/2015 23:51	59	5/12/2015 0:56	56	6/12/2015 2:01	56	7/12/2015 3:06	59	8/12/2015 4:11	60		
2/12/2015 6:51	62	3/12/2015 23:56	60	5/12/2015 1:01	60	6/12/2015 2:06	63	7/12/2015 3:11	59	8/12/2015 4:16	58		
2/12/2015 6:56	62	4/12/2015 0:01	59	5/12/2015 1:06	55	6/12/2015 2:11	63	7/12/2015 3:16	60	8/12/2015 4:21	59		
2/12/2015 23:01	63	4/12/2015 0:06	58	5/12/2015 1:11	51	6/12/2015 2:16	63	7/12/2015 3:21	60	8/12/2015 4:26	59		
2/12/2015 23:06	62	4/12/2015 0:11	59	5/12/2015 1:16	53	6/12/2015 2:21	63	7/12/2015 3:26	60	8/12/2015 4:31	59		
2/12/2015 23:11	63	4/12/2015 0:16	58	5/12/2015 1:21	56	6/12/2015 2:26	63	7/12/2015 3:31	58	8/12/2015 4:36	60		
2/12/2015 23:16	61	4/12/2015 0:21	53	5/12/2015 1:26	56	6/12/2015 2:31	63	7/12/2015 3:36	59	8/12/2015 4:41	60		
2/12/2015 23:21	60	4/12/2015 0:26	57	5/12/2015 1:31	58	6/12/2015 2:36	62	7/12/2015 3:41	60	8/12/2015 4:46	60		
2/12/2015 23:26	60	4/12/2015 0:31	50	5/12/2015 1:36	55	6/12/2015 2:41	62	7/12/2015 3:46	60	8/12/2015 4:51	60		
2/12/2015 23:31	60	4/12/2015 0:36	56	5/12/2015 1:41	54	6/12/2015 2:46	63	7/12/2015 3:51	59	8/12/2015 4:56	59		
2/12/2015 23:36	61	4/12/2015 0:41	47	5/12/2015 1:46	43	6/12/2015 2:51	63	7/12/2015 3:56	60	8/12/2015 5:01	59		
2/12/2015 23:41	61	4/12/2015 0:46	63	5/12/2015 1:51	50	6/12/2015 2:56	62	7/12/2015 4:01	59	8/12/2015 5:06	60		
2/12/2015 23:46	60	4/12/2015 0:51	63	5/12/2015 1:56	49	6/12/2015 3:01	62	7/12/2015 4:06	58	8/12/2015 5:11	60		
2/12/2015 23:51	61	4/12/2015 0:56	63	5/12/2015 2:01	62	6/12/2015 3:06	62	7/12/2015 4:11	59	8/12/2015 5:16	60		
2/12/2015 23:56	62	4/12/2015 1:01	51	5/12/2015 2:06	45	6/12/2015 3:11	63	7/12/2015 4:16	60	8/12/2015 5:21	60		
3/12/2015 0:01	57	4/12/2015 1:06	62	5/12/2015 2:11	63	6/12/2015 3:16	63	7/12/2015 4:21	60	8/12/2015 5:26	62		
3/12/2015 0:06	61	4/12/2015 1:11	62	5/12/2015 2:16	63	6/12/2015 3:21	62	7/12/2015 4:26	59	8/12/2015 5:31	61		
3/12/2015 0:11	59	4/12/2015 1:16	63	5/12/2015 2:21	63	6/12/2015 3:26	61	7/12/2015 4:31	59	8/12/2015 5:36	60		
3/12/2015 0:16	63	4/12/2015 1:21	62	5/12/2015 2:26	63	6/12/2015 3:31	62	7/12/2015 4:36	60	8/12/2015 5:41	62		
3/12/2015 0:21	56	4/12/2015 1:26	62	5/12/2015 2:31	62	6/12/2015 3:36	61	7/12/2015 4:41	61	8/12/2015 5:46	63		
3/12/2015 0:26	63	4/12/2015 1:31	62	5/12/2015 2:36	62	6/12/2015 3:41	62	7/12/2015 4:46	59	8/12/2015 5:51	62		
3/12/2015 0:31	52	4/12/2015 1:36	62	5/12/2015 2:41	63	6/12/2015 3:46	62	7/12/2015 4:51	60	8/12/2015 5:56	59		
3/12/2015 0:36	59	4/12/2015 1:41	62	5/12/2015 2:46	62	6/12/2015 3:51	62	7/12/2015 4:56	59	8/12/2015 6:01	62		
3/12/2015 0:41	40	4/12/2015 1:46	62	5/12/2015 2:51	62	6/12/2015 3:56	62	7/12/2015 5:01	61	8/12/2015 6:06	46		
3/12/2015 0:46	63	4/12/2015 1:51	61	5/12/2015 2:56	61	6/12/2015 4:01	62	7/12/2015 5:06	60	8/12/2015 6:11	54		
3/12/2015 0:51	63	4/12/2015 1:56	62	5/12/2015 3:01	62	6/12/2015 4:06	63	7/12/2015 5:11	61	8/12/2015 6:16	55		
3/12/2015 0:56	54	4/12/2015 2:01	62	5/12/2015 3:06	62	6/12/2015 4:11	62	7/12/2015 5:16	60	8/12/2015 6:21	53		
3/12/2015 1:01	62	4/12/2015 2:06	61	5/12/2015 3:11	62	6/12/2015 4:16	62	7/12/2015 5:21	62	8/12/2015 6:26	56		
3/12/2015 1:06	62	4/12/2015 2:11	61	5/12/2015 3:16	62	6/12/2015 4:21	62	7/12/2015 5:26	61	8/12/2015 6:31	59		
3/12/2015 1:11	62	4/12/2015 2:16	61	5/12/2015 3:21	61	6/12/2015 4:26	62	7/12/2015 5:31	62	8/12/2015 6:36	61		
3/12/2015 1:16	63	4/12/2015 2:21	60	5/12/2015 3:26	62	6/12/2015 4:31	61	7/12/2015 5:36	61	8/12/2015 6:41	61		
3/12/2015 1:21	62	4/12/2015 2:26	60	5/12/2015 3:31	61	6/12/2015 4:36	63	7/12/2015 5:41	62	8/12/2015 6:46	62		
3/12/2015 1:26	63	4/12/2015 2:31	60	5/12/2015 3:36	61	6/12/2015 4:41	63	7/12/2015 5:46	63	8/12/2015 6:51	63		
3/12/2015 1:31	63	4/12/2015 2:36	60	5/12/2015 3:41	61	6/12/2015 4:46	62	7/12/2015 5:51	49	8/12/2015 6:56	63		
3/12/2015 1:36	62	4/12/2015 2:41	61	5/12/2015 3:46	61	6/12/2015 4:51	63	7/12/2015 5:56	62	8/12/2015 23:01	62		
3/12/2015 1:41	62	4/12/2015 2:46	60	5/12/2015 3:51	60	6/12/2015 4:56	62	7/12/2015 6:01	63	8/12/2015 23:06	61		
3/12/2015 1:46	61	4/12/2015 2:51	60	5/12/2015 3:56	60	6/12/2015 5:01	61	7/12/2015 6:06	63	8/12/2015 23:11	62		
3/12/2015 1:51	63	4/12/2015 2:56	61	5/12/2015 4:01	60	6/12/2015 5:06	62	7/12/2015 6:11	51	8/12/2015 23:16	62		
3/12/2015 1:56	62	4/12/2015 3:01	60	5/12/2015 4:06	60	6/12/2015 5:11	62	7/12/2015 6:16	59	8/12/2015 23:21	61		
3/12/2015 2:01	61	4/12/2015 3:06	60	5/12/2015 4:11	61	6/12/2015 5:16	62	7/12/2015 6:21	58	8/12/2015 23:26	62		
3/12/2015 2:06	62	4/12/2015 3:11	60	5/12/2015 4:16	60	6/12/2015 5:21	62	7/12/2015 6:26	59	8/12/2015 23:31	61		
3/12/2015 2:11	61	4/12/2015 3:16	59	5/12/2015 4:21	60	6/12/2015 5:26	61	7/12/2015 6:31	60	8/12/2015 23:36	60		
3/12/2015 2:16	62	4/12/2015 3:21	58	5/12/2015 4:26	60	6/12/2015 5:31	62	7/12/2015 6:36	60	8/12/2015 23:41	60		
3/12/2015 2:21	60	4/12/2015 3:26	60	5/12/2015 4:31	60	6/12/2015 5:36	62	7/12/2015 6:41	63	8/12/2015 23:46	60		
3/12/2015 2:26	60	4/12/2015 3:31	60	5/12/2015 4:36	60	6/12/2015 5:41	63	7/12/2015 6:46	62	8/12/2015 23:51	62		
3/12/2015 2:31	61	4/12/2015 3:36	60	5/12/2015 4:41	60	6/12/2015 5:46	62	7/12/2015 6:51	65	8/12/2015 23:56	59		
3/12/2015 2:36	60	4/12/2015 3:41	60	5/12/2015 4:46	60	6/12/2015 5:51	62	7/12/2015 6:56	64	9/12/2015 0:01	58		
3/12/2015 2:41	60	4/12/2015 3:46	60	5/12/2015 4:51	60	6/12/2015 5:56	62	7/12/2015 23:01	61	9/12/2015 0:06	58		
3/12/2015 2:46	60	4/12/2015 3:51	60	5/12/2015 4:56	60	6/12/2015 6:01	47	7/12/2015 23:06	62	9/12/2015 0:11	54		
3/12/2015 2:51	60	4/12/2015 3:56	59	5/12/2015 5:01	60	6/12/2015 6:06	63	7/12/2015 23:11	63	9/12/2015 0:16	52		
3/12/2015 2:56	61	4/12/2015 4:01	60	5/12/2015 5:06	61	6/12/2015 6:11	63	7/12/2015 23:16	62	9/12/2015 0:21	56		
3/12/2015 3:01	62	4/12/2015 4:06	59	5/12/2015 5:11	60	6/12/2015 6:16	63	7/12/2015 23:21	61	9/12/2015 0:26	61		
3/12/2015 3:06	60	4/12/2015 4:11	60	5/12/2015 5:16	61	6/12/2015 6:21	47	7/12/2015 23:26	61	9/12/2015 0:31	63		
3/12/2015 3:11	60	4/12/2015 4:16	59	5/12/2015 5:21	61	6/12/2015 6:26	52	7/12/2015 23:31	61	9/12/2015 0:36	55		
3/12/2015 3:16	59	4/12/2015 4:21	60	5/12/2015 5:26	60	6/12/2015 6:31	54	7/12/2015 23:36	61	9/12/2015 0:41	63		
3/12/2015 3:21	59	4/12/2015 4:26	59	5/12/2015 5:31	61	6/12/2015 6:36	55	7/12/2015 23:41	60	9/12/2015 0:46	63		
3/12/2015 3:26	60	4/12/2015 4:31	60	5/12/2015 5:36	61	6/12/2015 6:41	57	7/12/2015 23:46	60	9/12/2015 0:51	62		
3/12/2015 3:31	59	4/12/2015 4:36	60	5/12/2015 5:41	61	6/12/2015 6:46	60	7/12/2015 23:51	63	9/12/2015 0:56	52		
3/12/2015 3:36	60	4/12/2015 4:41	60	5/12/2015 5:46	61	6/12/2015 6:51	58	7/12/2015 23:56					

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)					
9/12/2015 4:11	60	10/12/2015 5:16	62	11/12/2015 6:21	61	12/12/2015 23:26	62
9/12/2015 4:16	60	10/12/2015 5:21	61	11/12/2015 6:26	59	14/12/2015 0:31	52
9/12/2015 4:21	61	10/12/2015 5:26	61	11/12/2015 6:31	61	14/12/2015 0:36	62
9/12/2015 4:26	60	10/12/2015 5:31	62	11/12/2015 6:36	63	14/12/2015 0:41	63
9/12/2015 4:31	60	10/12/2015 5:36	62	11/12/2015 6:41	62	14/12/2015 0:46	62
9/12/2015 4:36	59	10/12/2015 5:41	62	11/12/2015 6:46	63	14/12/2015 0:51	46
9/12/2015 4:41	60	10/12/2015 5:46	62	11/12/2015 6:51	64	14/12/2015 0:56	62
9/12/2015 4:46	60	10/12/2015 5:51	63	11/12/2015 6:56	64	14/12/2015 1:01	61
9/12/2015 4:51	60	10/12/2015 5:56	62	11/12/2015 7:01	61	14/12/2015 1:06	61
9/12/2015 4:56	60	10/12/2015 6:01	62	11/12/2015 7:06	63	14/12/2015 1:11	62
9/12/2015 5:01	59	10/12/2015 6:06	63	11/12/2015 7:11	63	14/12/2015 1:16	61
9/12/2015 5:06	62	10/12/2015 6:11	63	11/12/2015 7:16	63	14/12/2015 1:21	62
9/12/2015 5:11	61	10/12/2015 6:16	52	11/12/2015 7:21	62	14/12/2015 1:26	61
9/12/2015 5:16	62	10/12/2015 6:21	57	11/12/2015 7:26	62	14/12/2015 1:31	60
9/12/2015 5:21	62	10/12/2015 6:26	60	11/12/2015 7:31	62	14/12/2015 1:36	61
9/12/2015 5:26	62	10/12/2015 6:31	58	11/12/2015 7:36	62	14/12/2015 1:41	61
9/12/2015 5:31	62	10/12/2015 6:36	61	11/12/2015 7:41	62	14/12/2015 1:46	60
9/12/2015 5:36	62	10/12/2015 6:41	63	11/12/2015 7:46	62	14/12/2015 1:51	60
9/12/2015 5:41	62	10/12/2015 6:46	64	11/12/2015 7:51	61	14/12/2015 1:56	60
9/12/2015 5:46	40	10/12/2015 6:51	65	11/12/2015 7:56	62	14/12/2015 2:01	60
9/12/2015 5:51	63	10/12/2015 6:56	65	12/12/2015 0:01	62	14/12/2015 2:06	60
9/12/2015 5:56	63	10/12/2015 7:01	63	12/12/2015 0:06	62	14/12/2015 2:11	59
9/12/2015 6:01	62	10/12/2015 7:06	63	12/12/2015 0:11	60	14/12/2015 2:16	59
9/12/2015 6:06	63	10/12/2015 7:11	62	12/12/2015 0:16	62	14/12/2015 2:21	59
9/12/2015 6:11	52	10/12/2015 7:16	63	12/12/2015 0:21	60	14/12/2015 2:26	60
9/12/2015 6:16	47	10/12/2015 7:21	64	12/12/2015 0:26	61	14/12/2015 2:31	61
9/12/2015 6:21	59	10/12/2015 7:26	63	12/12/2015 0:31	60	14/12/2015 2:36	59
9/12/2015 6:26	57	10/12/2015 7:31	62	12/12/2015 0:36	61	14/12/2015 2:41	62
9/12/2015 6:31	59	10/12/2015 7:36	62	12/12/2015 0:41	60	14/12/2015 2:46	58
9/12/2015 6:36	60	10/12/2015 7:41	61	12/12/2015 0:46	59	14/12/2015 2:51	59
9/12/2015 6:41	62	10/12/2015 7:46	61	12/12/2015 0:51	59	14/12/2015 2:56	58
9/12/2015 6:46	63	10/12/2015 7:51	63	12/12/2015 0:56	59	14/12/2015 3:01	58
9/12/2015 6:51	63	10/12/2015 7:56	60	12/12/2015 1:01	59	14/12/2015 3:06	58
9/12/2015 6:56	64	11/12/2015 0:01	61	12/12/2015 1:06	59	14/12/2015 3:11	58
9/12/2015 7:01	64	11/12/2015 0:06	58	12/12/2015 1:11	57	14/12/2015 3:16	59
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10/12/2015 5:06	61	11/12/2015 6:11	63	12/12/2015 7:16	62	15/12/2015 1:21	60
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Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)					
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16/12/2015 2:56	60	17/12/2015 4:01	60	18/12/2015 5:06	62	19/12/2015 6:11	50
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17/12/2015 3:21	60	18/12/2015 4:26	59	19/12/2015 5:31	62	20/12/2015 6:36	63
17/12/2015 3:26	61	18/12/2015 4:31	60	19/12/2015 5:36	63	20/12/2015 6:41	56
17/12/2015 3:31	60	18/12/2015 4:36	59	19/12/2015 5:41	61	20/12/2015 6:46	63
17/12/2015 3:36	61	18/12/2015 4:41	60	19/12/2015 5:46	62	20/12/2015 6:51	55
17/12/2015 3:4							

Real-time Noise Data	RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)			
23/12/2015 1:11 61	24/12/2015 2:16 62	25/12/2015 3:21 61	26/12/2015 4:26 62	
23/12/2015 1:16 62	24/12/2015 2:21 62	25/12/2015 3:26 62	26/12/2015 4:31 61	
23/12/2015 1:21 62	24/12/2015 2:26 61	25/12/2015 3:31 61	26/12/2015 4:36 61	
23/12/2015 1:26 61	24/12/2015 2:31 61	25/12/2015 3:36 62	26/12/2015 4:41 61	
23/12/2015 1:31 62	24/12/2015 2:36 61	25/12/2015 3:41 61	26/12/2015 4:46 61	
23/12/2015 1:36 61	24/12/2015 2:41 61	25/12/2015 3:46 61	26/12/2015 4:51 63	
23/12/2015 1:41 61	24/12/2015 2:46 62	25/12/2015 3:51 61	26/12/2015 4:56 61	
23/12/2015 1:46 60	24/12/2015 2:51 61	25/12/2015 3:56 62	26/12/2015 5:01 61	
23/12/2015 1:51 61	24/12/2015 2:56 62	25/12/2015 4:01 61	26/12/2015 5:06 61	
23/12/2015 1:56 61	24/12/2015 3:01 61	25/12/2015 4:06 62	26/12/2015 5:11 60	
23/12/2015 2:01 62	24/12/2015 3:06 60	25/12/2015 4:11 61	26/12/2015 5:16 61	
23/12/2015 2:06 60	24/12/2015 3:11 61	25/12/2015 4:16 61	26/12/2015 5:21 61	
23/12/2015 2:11 61	24/12/2015 3:16 60	25/12/2015 4:21 62	26/12/2015 5:26 61	
23/12/2015 2:16 60	24/12/2015 3:21 61	25/12/2015 4:26 61	26/12/2015 5:31 55	
23/12/2015 2:21 60	24/12/2015 3:26 60	25/12/2015 4:31 61	26/12/2015 5:36 62	
23/12/2015 2:26 60	24/12/2015 3:31 60	25/12/2015 4:36 61	26/12/2015 5:41 61	
23/12/2015 2:31 60	24/12/2015 3:36 60	25/12/2015 4:41 61	26/12/2015 5:46 62	
23/12/2015 2:36 59	24/12/2015 3:41 61	25/12/2015 4:46 61	26/12/2015 5:51 61	
23/12/2015 2:41 60	24/12/2015 3:46 60	25/12/2015 4:51 61	26/12/2015 5:56 62	
23/12/2015 2:46 60	24/12/2015 3:51 60	25/12/2015 4:56 61	26/12/2015 6:01 60	
23/12/2015 2:51 60	24/12/2015 3:56 60	25/12/2015 5:01 61	26/12/2015 6:06 62	
23/12/2015 2:56 60	24/12/2015 4:01 61	25/12/2015 5:06 62	26/12/2015 6:11 61	
23/12/2015 3:01 61	24/12/2015 4:06 60	25/12/2015 5:11 61	26/12/2015 6:16 63	
23/12/2015 3:06 60	24/12/2015 4:11 60	25/12/2015 5:16 62	26/12/2015 6:21 61	
23/12/2015 3:11 63	24/12/2015 4:16 61	25/12/2015 5:21 61	26/12/2015 6:26 62	
23/12/2015 3:16 59	24/12/2015 4:21 60	25/12/2015 5:26 62	26/12/2015 6:31 62	
23/12/2015 3:21 60	24/12/2015 4:26 60	25/12/2015 5:31 62	26/12/2015 6:36 63	
23/12/2015 3:26 58	24/12/2015 4:31 59	25/12/2015 5:36 62	26/12/2015 6:41 63	
23/12/2015 3:31 59	24/12/2015 4:36 60	25/12/2015 5:41 63	26/12/2015 6:46 62	
23/12/2015 3:36 59	24/12/2015 4:41 59	25/12/2015 5:46 63	26/12/2015 6:51 62	
23/12/2015 3:41 60	24/12/2015 4:46 59	25/12/2015 5:51 63	26/12/2015 6:56 63	
23/12/2015 3:46 59	24/12/2015 4:51 59	25/12/2015 5:56 50	26/12/2015 23:01 62	
23/12/2015 3:51 58	24/12/2015 4:56 60	25/12/2015 6:01 62	26/12/2015 23:06 60	
23/12/2015 3:56 59	24/12/2015 5:01 59	25/12/2015 6:06 62	26/12/2015 23:11 61	
23/12/2015 4:01 58	24/12/2015 5:06 60	25/12/2015 6:11 62	26/12/2015 23:16 61	
23/12/2015 4:06 58	24/12/2015 5:11 60	25/12/2015 6:16 62	26/12/2015 23:21 62	
23/12/2015 4:11 59	24/12/2015 5:16 60	25/12/2015 6:21 63	26/12/2015 23:26 62	
23/12/2015 4:16 60	24/12/2015 5:21 61	25/12/2015 6:26 62	26/12/2015 23:31 61	
23/12/2015 4:21 59	24/12/2015 5:26 60	25/12/2015 6:31 63	26/12/2015 23:36 60	
23/12/2015 4:26 60	24/12/2015 5:31 62	25/12/2015 6:36 63	26/12/2015 23:41 60	
23/12/2015 4:31 59	24/12/2015 5:36 62	25/12/2015 6:41 53	26/12/2015 23:46 61	
23/12/2015 4:36 58	24/12/2015 5:41 61	25/12/2015 6:46 57	26/12/2015 23:51 62	
23/12/2015 4:41 59	24/12/2015 5:46 61	25/12/2015 6:51 55	26/12/2015 23:56 60	
23/12/2015 4:46 59	24/12/2015 5:51 61	25/12/2015 6:56 56		
23/12/2015 4:51 60	24/12/2015 5:56 61	25/12/2015 23:01 60		
23/12/2015 4:56 59	24/12/2015 6:01 61	25/12/2015 23:06 62		
23/12/2015 5:01 59	24/12/2015 6:06 62	25/12/2015 23:11 60		
23/12/2015 5:06 60	24/12/2015 6:11 47	25/12/2015 23:16 61		
23/12/2015 5:11 60	24/12/2015 6:16 53	25/12/2015 23:21 60		
23/12/2015 5:16 60	24/12/2015 6:21 57	25/12/2015 23:26 61		
23/12/2015 5:21 60	24/12/2015 6:26 54	25/12/2015 23:31 60		
23/12/2015 5:26 61	24/12/2015 6:31 54	25/12/2015 23:36 60		
23/12/2015 5:31 60	24/12/2015 6:36 55	25/12/2015 23:41 61		
23/12/2015 5:36 62	24/12/2015 6:41 59	25/12/2015 23:46 62		
23/12/2015 5:41 61	24/12/2015 6:46 55	25/12/2015 23:51 62		
23/12/2015 5:46 62	24/12/2015 6:51 58	25/12/2015 23:56 60		
23/12/2015 5:51 62	24/12/2015 6:56 60	26/12/2015 0:01 62		
23/12/2015 5:56 62	24/12/2015 23:01 60	26/12/2015 0:06 61		
23/12/2015 6:01 62	24/12/2015 23:06 61	26/12/2015 0:11 59		
23/12/2015 6:06 62	24/12/2015 23:11 59	26/12/2015 0:16 56		
23/12/2015 6:11 62	24/12/2015 23:16 62	26/12/2015 0:21 59		
23/12/2015 6:16 63	24/12/2015 23:21 61	26/12/2015 0:26 61		
23/12/2015 6:21 40	24/12/2015 23:26 60	26/12/2015 0:31 61		
23/12/2015 6:26 63	24/12/2015 23:31 62	26/12/2015 0:36 60		
23/12/2015 6:31 55	24/12/2015 23:36 61	26/12/2015 0:41 56		
23/12/2015 6:36 57	24/12/2015 23:41 61	26/12/2015 0:46 50		
23/12/2015 6:41 60	24/12/2015 23:46 61	26/12/2015 0:51 53		
23/12/2015 6:46 60	24/12/2015 23:51 60	26/12/2015 0:56 54		
23/12/2015 6:51 60	24/12/2015 23:56 59	26/12/2015 1:01 53		
23/12/2015 6:56 62	25/12/2015 0:01 59	26/12/2015 1:06 54		
23/12/2015 23:01 63	25/12/2015 0:06 60	26/12/2015 1:11 53		
23/12/2015 23:06 63	25/12/2015 0:11 58	26/12/2015 1:16 54		
23/12/2015 23:11 62	25/12/2015 0:16 58	26/12/2015 1:21 37		
23/12/2015 23:16 60	25/12/2015 0:21 61	26/12/2015 1:26 48		
23/12/2015 23:21 62	25/12/2015 0:26 59	26/12/2015 1:31 37		
23/12/2015 23:26 61	25/12/2015 0:31 61	26/12/2015 1:36 62		
23/12/2015 23:31 62	25/12/2015 0:36 59	26/12/2015 1:41 51		
23/12/2015 23:36 61	25/12/2015 0:41 60	26/12/2015 1:46 63		
23/12/2015 23:41 60	25/12/2015 0:46 56	26/12/2015 1:51 42		
23/12/2015 23:46 59	25/12/2015 0:51 57	26/12/2015 1:56 62		
23/12/2015 23:51 61	25/12/2015 0:56 61	26/12/2015 2:01 63		
23/12/2015 23:56 61	25/12/2015 1:01 56	26/12/2015 2:06 62		
24/12/2015 0:01 60	25/12/2015 1:06 63	26/12/2015 2:11 63		
24/12/2015 0:06 61	25/12/2015 1:11 51	26/12/2015 2:16 62		
24/12/2015 0:11 62	25/12/2015 1:16 53	26/12/2015 2:21 63		
24/12/2015 0:16 61	25/12/2015 1:21 52	26/12/2015 2:26 44		
24/12/2015 0:21 59	25/12/2015 1:26 51	26/12/2015 2:31 62		
24/12/2015 0:26 58	25/12/2015 1:31 52	26/12/2015 2:36 40		
24/12/2015 0:31 59	25/12/2015 1:36 53	26/12/2015 2:41 63		
24/12/2015 0:36 56	25/12/2015 1:41 54	26/12/2015 2:46 63		
24/12/2015 0:41 57	25/12/2015 1:46 50	26/12/2015 2:51 63		
24/12/2015 0:46 55	25/12/2015 1:51 58	26/12/2015 2:56 63		
24/12/2015 0:51 63	25/12/2015 1:56 63	26/12/2015 3:01 62		
24/12/2015 0:56 51	25/12/2015 2:01 49	26/12/2015 3:06 61		
24/12/2015 1:01 58	25/12/2015 2:06 63	26/12/2015 3:11 61		
24/12/2015 1:06 54	25/12/2015 2:11 63	26/12/2015 3:16 62		
24/12/2015 1:11 63	25/12/2015 2:16 59	26/12/2015 3:21 61		
24/12/2015 1:16 63	25/12/2015 2:21 51	26/12/2015 3:26 61		
24/12/2015 1:21 63	25/12/2015 2:26 63	26/12/2015 3:31 60		
24/12/2015 1:26 63	25/12/2015 2:31 63	26/12/2015 3:36 63		
24/12/2015 1:31 63	25/12/2015 2:36 63	26/12/2015 3:41 61		
24/12/2015 1:36 63	25/12/2015 2:41 63	26/12/2015 3:46 60		
24/12/2015 1:41 63	25/12/2015 2:46 57	26/12/2015 3:51 61		
24/12/2015 1:46 63	25/12/2015 2:51 62	26/12/2015 3:56 61		
24/12/2015 1:51 62	25/12/2015 2:56 62	26/12/2015 4:01 60		
24/12/2015 1:56 63	25/12/2015 3:01 63	26/12/2015 4:06 61		
24/12/2015 2:01 63	25/12/2015 3:06 62	26/12/2015 4:11 61		
24/12/2015 2:06 61	25/12/2015 3:11 63	26/12/2015 4:16 61		
24/12/2015 2:11 61	25/12/2015 3:16 62	26/12/2015 4:21 61		

Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
Normal Day 07:00-19:00											
28/11/2015 7:01	67	3/12/2015 12:31	67	9/12/2015 7:01	66	14/12/2015 13:31	60	19/12/2015 8:01	59	24/12/2015 14:31	66
28/11/2015 7:31	67	3/12/2015 13:01	70	9/12/2015 7:31	66	14/12/2015 14:01	52	19/12/2015 8:31	50	24/12/2015 15:01	66
28/11/2015 8:01	68	3/12/2015 13:31	74	9/12/2015 8:01	65	14/12/2015 14:31	68	19/12/2015 9:01	68	24/12/2015 15:31	65
28/11/2015 8:31	68	3/12/2015 14:01	67	9/12/2015 8:31	66	14/12/2015 15:01	68	19/12/2015 9:31	67	24/12/2015 16:01	67
28/11/2015 9:01	68	3/12/2015 14:31	66	9/12/2015 9:01	66	14/12/2015 15:31	67	19/12/2015 10:01	68	24/12/2015 16:31	67
28/11/2015 9:31	67	3/12/2015 15:01	66	9/12/2015 9:31	67	14/12/2015 16:01	66	19/12/2015 10:31	67	24/12/2015 17:01	68
28/11/2015 10:01	67	3/12/2015 15:31	66	9/12/2015 10:01	68	14/12/2015 16:31	67	19/12/2015 11:01	67	24/12/2015 17:31	67
28/11/2015 10:31	67	3/12/2015 16:01	66	9/12/2015 10:31	67	14/12/2015 17:01	66	19/12/2015 11:31	66	24/12/2015 18:01	67
28/11/2015 11:01	67	3/12/2015 16:31	67	9/12/2015 11:01	67	14/12/2015 17:31	68	19/12/2015 12:01	67	24/12/2015 18:31	67
28/11/2015 11:31	67	3/12/2015 17:01	66	9/12/2015 11:31	68	14/12/2015 18:01	65	19/12/2015 12:31	66	Normal Day 19:00-23:00 Sunday & Holiday 07:00-23:00	
28/11/2015 12:01	67	3/12/2015 17:31	64	9/12/2015 12:01	66	14/12/2015 18:31	63	19/12/2015 13:01	66		
28/11/2015 12:31	64	3/12/2015 18:01	63	9/12/2015 12:31	67	15/12/2015 7:01	66	19/12/2015 13:31	68		
28/11/2015 12:59	63	3/12/2015 18:31	64	9/12/2015 13:01	67	15/12/2015 7:31	66	19/12/2015 14:01	51	28/11/2015 19:01	64
28/11/2015 13:01	65	4/12/2015 7:01	65	9/12/2015 13:31	68	15/12/2015 8:01	66	19/12/2015 14:31	68	28/11/2015 19:31	65
28/11/2015 13:31	66	4/12/2015 7:31	65	9/12/2015 14:01	68	15/12/2015 8:31	66	19/12/2015 15:01	68	28/11/2015 19:59	65
28/11/2015 14:01	67	4/12/2015 8:01	66	9/12/2015 14:31	67	15/12/2015 9:01	65	19/12/2015 15:31	66	28/11/2015 19:59	65
28/11/2015 14:31	67	4/12/2015 8:31	66	9/12/2015 15:01	67	15/12/2015 9:31	66	19/12/2015 16:01	67	28/11/2015 19:59	65
28/11/2015 15:01	65	4/12/2015 9:01	67	9/12/2015 15:31	67	15/12/2015 10:01	65	19/12/2015 16:31	66	28/11/2015 19:59	65
28/11/2015 15:31	65	4/12/2015 9:31	68	9/12/2015 16:01	67	15/12/2015 10:31	65	19/12/2015 17:01	65	28/11/2015 19:59	65
28/11/2015 16:01	66	4/12/2015 10:01	53	9/12/2015 16:31	66	15/12/2015 11:01	66	19/12/2015 17:31	65	28/11/2015 19:59	65
28/11/2015 16:31	66	4/12/2015 10:31	68	9/12/2015 17:01	66	15/12/2015 11:31	67	19/12/2015 18:01	65	28/11/2015 19:59	65
28/11/2015 17:01	66	4/12/2015 11:01	68	9/12/2015 17:31	66	15/12/2015 12:01	65	19/12/2015 18:31	64	28/11/2015 19:59	65
28/11/2015 17:31	66	4/12/2015 11:31	67	9/12/2015 18:01	66	15/12/2015 12:31	67	21/12/2015 7:01	68	28/11/2015 19:59	65
28/11/2015 18:01	65	4/12/2015 12:01	66	9/12/2015 18:31	63	15/12/2015 13:01	68	21/12/2015 7:31	68	28/11/2015 19:59	65
28/11/2015 18:31	64	4/12/2015 12:31	66	10/12/2015 7:01	67	15/12/2015 13:31	68	21/12/2015 8:01	68	28/11/2015 19:59	65
30/11/2015 7:01	66	4/12/2015 13:01	67	10/12/2015 7:31	67	15/12/2015 14:01	67	21/12/2015 8:31	66	28/11/2015 19:59	65
30/11/2015 7:31	68	4/12/2015 13:31	68	10/12/2015 8:01	68	15/12/2015 14:31	67	21/12/2015 9:01	66	28/11/2015 19:59	65
30/11/2015 8:01	67	4/12/2015 14:01	67	10/12/2015 8:31	67	15/12/2015 15:01	66	21/12/2015 9:31	68	28/11/2015 19:59	65
30/11/2015 8:31	67	4/12/2015 14:31	67	10/12/2015 9:01	67	15/12/2015 15:31	65	21/12/2015 10:01	68	28/11/2015 19:59	65
30/11/2015 9:01	67	4/12/2015 15:01	68	10/12/2015 9:31	67	15/12/2015 16:01	66	21/12/2015 10:31	67	28/11/2015 19:59	65
30/11/2015 9:31	68	4/12/2015 15:31	65	10/12/2015 10:01	68	15/12/2015 16:31	66	21/12/2015 11:01	67	28/11/2015 19:59	65
30/11/2015 10:01	67	4/12/2015 16:01	70	10/12/2015 10:31	68	15/12/2015 17:01	68	21/12/2015 11:31	66	28/11/2015 19:59	65
30/11/2015 10:31	67	4/12/2015 16:31	68	10/12/2015 11:01	68	15/12/2015 17:31	68	21/12/2015 12:01	65	28/11/2015 19:59	65
30/11/2015 11:01	68	4/12/2015 17:01	66	10/12/2015 11:31	51	15/12/2015 18:01	65	21/12/2015 12:31	63	28/11/2015 19:59	65
30/11/2015 11:31	66	4/12/2015 17:31	64	10/12/2015 12:01	67	15/12/2015 18:31	65	21/12/2015 13:01	67	28/11/2015 19:59	65
30/11/2015 12:01	66	4/12/2015 18:01	64	10/12/2015 12:31	66	16/12/2015 7:01	66	21/12/2015 13:31	55	28/11/2015 19:59	65
30/11/2015 12:31	67	4/12/2015 18:31	63	10/12/2015 13:01	56	16/12/2015 7:31	66	21/12/2015 14:01	68	28/11/2015 19:59	65
30/11/2015 13:01	67	5/12/2015 7:01	66	10/12/2015 13:31	63	16/12/2015 8:01	66	21/12/2015 14:31	66	28/11/2015 19:59	65
30/11/2015 13:31	68	5/12/2015 7:31	66	10/12/2015 14:01	68	16/12/2015 8:31	66	21/12/2015 15:01	67	28/11/2015 19:59	65
30/11/2015 14:01	66	5/12/2015 8:01	66	10/12/2015 14:31	67	16/12/2015 9:01	68	21/12/2015 15:31	65	28/11/2015 19:59	65
30/11/2015 14:31	66	5/12/2015 8:31	67	10/12/2015 15:01	66	16/12/2015 9:31	68	21/12/2015 16:01	68	28/11/2015 19:59	65
30/11/2015 15:01	69	5/12/2015 9:01	68	10/12/2015 15:31	66	16/12/2015 10:01	56	21/12/2015 16:31	68	28/11/2015 19:59	65
30/11/2015 15:31	68	5/12/2015 9:31	67	10/12/2015 16:01	67	16/12/2015 10:31	68	21/12/2015 17:01	68	28/11/2015 19:59	65
30/11/2015 16:01	66	5/12/2015 10:01	67	10/12/2015 16:31	67	16/12/2015 11:01	68	21/12/2015 17:31	66	28/11/2015 19:59	65
30/11/2015 16:31	66	5/12/2015 10:31	67	10/12/2015 17:01	67	16/12/2015 11:31	68	21/12/2015 18:01	64	28/11/2015 19:59	65
30/11/2015 17:01	66	5/12/2015 11:01	67	10/12/2015 17:31	65	16/12/2015 12:01	65	21/12/2015 18:31	64	28/11/2015 19:59	65
30/11/2015 17:31	65	5/12/2015 11:31	66	10/12/2015 18:01	64	16/12/2015 12:31	65	21/12/2015 19:01	68	28/11/2015 19:59	65
30/11/2015 18:01	65	5/12/2015 12:01	66	10/12/2015 18:31	63	16/12/2015 13:01	67	21/12/2015 19:31	55	28/11/2015 19:59	65
30/11/2015 18:31	65	5/12/2015 12:31	66	11/12/2015 7:01	66	16/12/2015 13:31	68	21/12/2015 20:01	68	28/11/2015 19:59	65
1/12/2015 7:01	65	5/12/2015 13:01	66	11/12/2015 7:31	66	16/12/2015 14:01	67	21/12/2015 20:31	66	28/11/2015 19:59	65
1/12/2015 7:31	66	5/12/2015 13:31	66	11/12/2015 8:01	67	16/12/2015 14:31	66	21/12/2015 21:01	66	28/11/2015 19:59	65
1/12/2015 8:01	66	5/12/2015 14:01	68	11/12/2015 8:31	67	16/12/2015 15:01	65	21/12/2015 21:31	67	28/11/2015 19:59	65
1/12/2015 8:31	66	5/12/2015 14:31	63	11/12/2015 9:01	68	16/12/2015 15:31	65	21/12/2015 22:01	66	28/11/2015 19:59	65
1/12/2015 9:01	66	5/12/2015 15:01	55	11/12/2015 9:31	58	16/12/2015 16:01	66	21/12/2015 22:31	68	28/11/2015 19:59	65
1/12/2015 9:31	67	5/12/2015 15:31	59	11/12/2015 10:01	59	16/12/2015 16:31	67	21/12/2015 23:01	66	28/11/2015 19:59	65
1/12/2015 10:01	68	5/12/2015 16:01	68	11/12/2015 10:31	55	16/12/2015 17:01	66	21/12/2015 23:31	67	28/11/2015 19:59	65
1/12/2015 10:31	68	5/12/2015 16:31	67	11/12/2015 11:01	68	16/12/2015 17:31	67	21/12/2015 24:01	65	28/11/2015 19:59	65
1/12/2015 11:01	68	5/12/2015 17:01	66	11/12/2015 11:31	65	16/12/2015 18:01	64	21/12/2015 24:31	65	28/11/2015 19:59	65
1/12/2015 11:31	67	5/12/2015 17:31	65	11/12/2015 12:01	64	16/12/2015 18:31	64	21/12/2015 25:01	68	28/11/2015 19:59	65
1/12/2015 12:01	66	5/12/2015 18:01	65	11/12/2015 12:31	64	17/12/2015 7:01	66	21/12/2015 25:31	68	28/11/2015 19:59	65
1/12/2015 12:31	67	5/12/2015 18:31	67	11/12/2015 13:01	66	17/12/2015 7:31	65	21/12/2015 26:01	68	28/11/2015 19:59	65
1/12/2015 13:01	68	7/12/2015 7:01	66	11/12/2015 13:31	68	17/12/2015 8:01	65	21/12/2015 26:31	68	28/11/2015 19:59	65
1/12/2015 13:31	68	7/12/2015 7:31	66	11/12/2015 14:01	66	17/12/2015 8:31	65	21/12/2015 27:01	68	28/11/2015 19:59	65
1/12/2015 14:01	68	7/12/2015 8:01	66	11/12/2015 14:31	68	17/12/2015 9:01	65	21/12/2015 27:31	68	28/11/2015 19:59	65
1/12/2015 14:31	67	7/12/2015 8:31	66	11/12/2015 15:01	66	17/12/2015 9:31	66	21/12/2015 28:01	68	28/11/2015 19:59	65
1/12/2015 15:01	67	7/12/2015 9:01	66	11/12/2015 15:31	65	17/12/2015 10:01	67	21/12/2015 28:31	68	28/11/2015 19:59	65
1/12/2015 15:31	67	7/12/2015 9:31	68	11/12/2015 16:01	66	17/12/2015 10:31	68	21/12/2015 29:01	68	28/11/2015 19:59	65
1/12/2015 16:01	67	7/12/2015 10:01	56	11/12/2015 16:31	66	17/12/2015 11:01	67	21/12/2015 29:31	68	28/11/2015 19:59	65
1/12/2015 16:31	67	7/12/2015 10:31	65	11/12/2015 17:01	65	17/12/2015 11:31	66	21/12/2015 30:01	68	28/11/2015 19:59	65
1/12/2015 17:01	66	7/12/2015 11:01	66	11/12/2015 17:31	65	17/12/2015 12:01	65	21/12/2015 30:31	68	28/11/2015 19:59	65
1/12/2015 17:31	66	7/12/2015 11:31	67	11/12/2015 18:01	61	17/12/2015 12:31	65	21/12/2015 31:01	68	28/11/2015 19:59	65

Real-time Noise Data	RTN4 (Causeway Bay Community Centre)									
29/11/2015 10:56 61	29/11/2015 20:01 66	1/12/2015 21:06 62	3/12/2015 22:11 63	6/12/2015 7:16 63	6/12/2015 16:21 67					
29/11/2015 11:01 61	29/11/2015 20:06 62	1/12/2015 21:11 64	3/12/2015 22:16 63	6/12/2015 7:21 65	6/12/2015 16:26 65					
29/11/2015 11:06 60	29/11/2015 20:11 61	1/12/2015 21:16 62	3/12/2015 22:21 63	6/12/2015 7:26 64	6/12/2015 16:31 66					
29/11/2015 11:11 60	29/11/2015 20:16 62	1/12/2015 21:21 62	3/12/2015 22:26 63	6/12/2015 7:31 62	6/12/2015 16:36 65					
29/11/2015 11:16 61	29/11/2015 20:21 63	1/12/2015 21:26 63	3/12/2015 22:31 63	6/12/2015 7:36 65	6/12/2015 16:41 65					
29/11/2015 11:21 59	29/11/2015 20:26 62	1/12/2015 21:31 63	3/12/2015 22:36 63	6/12/2015 7:41 65	6/12/2015 16:46 66					
29/11/2015 11:26 60	29/11/2015 20:31 65	1/12/2015 21:36 62	3/12/2015 22:41 64	6/12/2015 7:46 63	6/12/2015 16:51 67					
29/11/2015 11:31 58	29/11/2015 20:36 63	1/12/2015 21:41 62	3/12/2015 22:46 64	6/12/2015 7:51 65	6/12/2015 16:56 66					
29/11/2015 11:36 60	29/11/2015 20:41 61	1/12/2015 21:46 63	3/12/2015 22:51 63	6/12/2015 7:56 65	6/12/2015 17:01 66					
29/11/2015 11:41 60	29/11/2015 20:46 61	1/12/2015 21:51 62	3/12/2015 22:56 60	6/12/2015 8:01 64	6/12/2015 17:06 66					
29/11/2015 11:46 59	29/11/2015 20:51 62	1/12/2015 21:56 64	4/12/2015 19:01 56	6/12/2015 8:06 64	6/12/2015 17:11 65					
29/11/2015 11:51 62	29/11/2015 20:56 64	1/12/2015 22:01 63	4/12/2015 19:06 63	6/12/2015 8:11 65	6/12/2015 17:16 66					
29/11/2015 11:56 61	29/11/2015 21:01 63	1/12/2015 22:06 61	4/12/2015 19:11 62	6/12/2015 8:16 65	6/12/2015 17:21 66					
29/11/2015 12:01 62	29/11/2015 21:06 61	1/12/2015 22:11 63	4/12/2015 19:16 61	6/12/2015 8:21 66	6/12/2015 17:26 66					
29/11/2015 12:06 59	29/11/2015 21:11 62	1/12/2015 22:16 64	4/12/2015 19:21 61	6/12/2015 8:26 65	6/12/2015 17:31 65					
29/11/2015 12:11 58	29/11/2015 21:16 62	1/12/2015 22:21 64	4/12/2015 19:26 62	6/12/2015 8:31 66	6/12/2015 17:36 66					
29/11/2015 12:16 63	29/11/2015 21:21 63	1/12/2015 22:26 63	4/12/2015 19:31 57	6/12/2015 8:36 66	6/12/2015 17:41 67					
29/11/2015 12:21 65	29/11/2015 21:26 61	1/12/2015 22:31 63	4/12/2015 19:36 57	6/12/2015 8:41 67	6/12/2015 17:46 66					
29/11/2015 12:26 66	29/11/2015 21:31 63	1/12/2015 22:36 63	4/12/2015 19:41 64	6/12/2015 8:46 65	6/12/2015 17:51 65					
29/11/2015 12:31 64	29/11/2015 21:36 62	1/12/2015 22:41 63	4/12/2015 19:46 57	6/12/2015 8:51 66	6/12/2015 17:56 65					
29/11/2015 12:36 63	29/11/2015 21:41 61	1/12/2015 22:46 63	4/12/2015 19:51 63	6/12/2015 8:56 70	6/12/2015 18:01 67					
29/11/2015 12:41 64	29/11/2015 21:46 62	1/12/2015 22:51 62	4/12/2015 19:56 64	6/12/2015 9:01 69	6/12/2015 18:06 66					
29/11/2015 12:46 65	29/11/2015 21:51 62	1/12/2015 22:56 62	4/12/2015 20:01 65	6/12/2015 9:06 67	6/12/2015 18:11 65					
29/11/2015 12:51 63	29/11/2015 21:56 63	2/12/2015 19:01 63	4/12/2015 20:06 66	6/12/2015 9:11 66	6/12/2015 18:16 65					
29/11/2015 12:56 65	29/11/2015 22:01 61	2/12/2015 19:06 61	4/12/2015 20:11 65	6/12/2015 9:16 68	6/12/2015 18:21 64					
29/11/2015 13:01 65	29/11/2015 22:06 62	2/12/2015 19:11 63	4/12/2015 20:16 65	6/12/2015 9:21 66	6/12/2015 18:26 67					
29/11/2015 13:06 65	29/11/2015 22:11 64	2/12/2015 19:16 63	4/12/2015 20:21 65	6/12/2015 9:26 70	6/12/2015 18:31 66					
29/11/2015 13:11 65	29/11/2015 22:16 60	2/12/2015 19:21 65	4/12/2015 20:26 63	6/12/2015 9:31 68	6/12/2015 18:36 64					
29/11/2015 13:16 66	29/11/2015 22:21 63	2/12/2015 19:26 63	4/12/2015 20:31 64	6/12/2015 9:36 69	6/12/2015 18:41 61					
29/11/2015 13:21 64	29/11/2015 22:26 62	2/12/2015 19:31 65	4/12/2015 20:36 63	6/12/2015 9:41 68	6/12/2015 18:46 63					
29/11/2015 13:26 64	29/11/2015 22:31 63	2/12/2015 19:36 65	4/12/2015 20:41 66	6/12/2015 9:46 68	6/12/2015 18:51 63					
29/11/2015 13:31 63	29/11/2015 22:36 62	2/12/2015 19:41 65	4/12/2015 20:46 65	6/12/2015 9:51 68	6/12/2015 18:56 65					
29/11/2015 13:36 62	29/11/2015 22:41 62	2/12/2015 19:46 66	4/12/2015 20:51 64	6/12/2015 9:56 67	6/12/2015 19:01 67					
29/11/2015 13:41 63	29/11/2015 22:46 62	2/12/2015 19:51 64	4/12/2015 20:56 63	6/12/2015 10:01 68	6/12/2015 19:06 67					
29/11/2015 13:46 65	29/11/2015 22:51 64	2/12/2015 19:56 64	4/12/2015 21:01 63	6/12/2015 10:06 67	6/12/2015 19:11 65					
29/11/2015 13:51 65	29/11/2015 22:56 61	2/12/2015 20:01 64	4/12/2015 21:06 63	6/12/2015 10:11 65	6/12/2015 19:16 65					
29/11/2015 13:56 65	30/11/2015 19:01 64	2/12/2015 20:06 64	4/12/2015 21:11 63	6/12/2015 10:16 65	6/12/2015 19:21 65					
29/11/2015 14:01 66	30/11/2015 19:06 65	2/12/2015 20:11 65	4/12/2015 21:16 65	6/12/2015 10:21 67	6/12/2015 19:26 66					
29/11/2015 14:06 66	30/11/2015 19:11 65	2/12/2015 20:16 65	4/12/2015 21:21 66	6/12/2015 10:26 68	6/12/2015 19:31 67					
29/11/2015 14:11 66	30/11/2015 19:16 64	2/12/2015 20:21 64	4/12/2015 21:26 64	6/12/2015 10:31 66	6/12/2015 19:36 66					
29/11/2015 14:16 66	30/11/2015 19:21 64	2/12/2015 20:26 63	4/12/2015 21:31 64	6/12/2015 10:36 63	6/12/2015 19:41 66					
29/11/2015 14:21 66	30/11/2015 19:26 65	2/12/2015 20:31 64	4/12/2015 21:36 64	6/12/2015 10:41 63	6/12/2015 19:46 66					
29/11/2015 14:26 66	30/11/2015 19:31 65	2/12/2015 20:36 64	4/12/2015 21:41 64	6/12/2015 10:46 64	6/12/2015 19:51 66					
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29/11/2015 14:36 65	30/11/2015 19:41 68	2/12/2015 20:46 64	4/12/2015 21:51 64	6/12/2015 10:56 66	6/12/2015 20:01 65					
29/11/2015 14:41 66	30/11/2015 19:46 64	2/12/2015 20:51 63	4/12/2015 21:56 63	6/12/2015 11:01 68	6/12/2015 20:06 65					
29/11/2015 14:46 64	30/11/2015 19:51 64	2/12/2015 20:56 64	4/12/2015 22:01 63	6/12/2015 11:06 68	6/12/2015 20:11 63					
29/11/2015 14:51 64	30/11/2015 19:56 64	2/12/2015 21:01 64	4/12/2015 22:06 62	6/12/2015 11:11 66	6/12/2015 20:16 64					
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29/11/2015 15:26 64	30/11/2015 20:31 62	2/12/2015 21:36 65	4/12/2015 22:41 63	6/12/2015 11:46 62	6/12/2015 20:51 63					
29/11/2015 15:31 64	30/11/2015 20:36 61	2/12/2015 21:41 64	4/12/2015 22:46 62	6/12/2015 11:51 61	6/12/2015 20:56 65					
29/11/2015 15:36 65	30/11/2015 20:41 64	2/12/2015 21:46 64	4/12/2015 22:51 64	6/12/2015 11:56 63	6/12/2015 21:01 65					
29/11/2015 15:41 65	30/11/2015 20:46 63	2/12/2015 21:51 63	4/12/2015 22:56 63	6/12/2015 12:01 64	6/12/2015 21:06 65					
29/11/2015 15:46 66	30/11/2015 20:51 63	2/12/2015 21:56 64	5/12/2015 19:01 64	6/12/2015 12:06 61	6/12/2015 21:11 64					
29/11/2015 15:51 65	30/11/2015 20:56 63	2/12/2015 22:01 63	5/12/2015 19:06 66	6/12/2015 12:11 62	6/12/2015 21:16 62					
29/11/2015 15:56 66	30/11/2015 21:01 62	2/12/2015 22:06 64	5/12/2015 19:11 65	6/12/2015 12:16 62	6/12/2015 21:21 62					
29/11/2015 16:01 66	30/11/2015 21:06 61	2/12/2015 22:11 65	5/12/2015 19:16 63	6/12/2015 12:21 64	6/12/2015 21:26 64					
29/11/2015 16:06 66	30/11/2015 21:11 63	2/12/2015 22:16 66	5/12/2015 19:21 63	6/12/2015 12:26 64	6/12/2015 21:31 64					
29/11/2015 16:11 64	30/11/2015 21:16 62	2/12/2015 22:21 64	5/12/2015 19:26 62	6/12/2015 12:31 63	6/12/2015 21:36 65					
29/11/2015 16:16 64	30/11/2015 21:21 63	2/12/2015 22:26 63	5/12/2015 19:31 65	6/12/2015 12:36 61	6/12/2015 21:41 65					
29/11/2015 16:21 65	30/11/2015 21:26 63	2/12/2015 22:31 64	5/12/2015 19:36 64	6/12/2015 12:41 62	6/12/2015 21:46 64					
29/11/2015 16:26 65	30/11/2015 21:31 63	2/12/2015 22:36 64	5/12/2015 19:41 66	6/12/2015 12:46 65	6/12/2015 21:51 63					
29/11/2015 16:31 65	30/11/2015 21:36 62	2/12/2015 22:41 63	5/12/2015 19:46 68	6/12/2015 12:51 65	6/12/2015 21:56 64					
29/11/2015 16:36 67	30/11/2015 21:41 64	2/12/2015 22:46 64	5/12/2015 19:51 68	6/12/2015 12:56 62	6/12/2015 22:01 62					
29/11/2015 16:41 65	30/11/2015 21:46 61	2/12/2015 22:51 63	5/12/2015 19:56 67	6/12/2015 13:01 66	6/12/2015 22:06 64					
29/11/2015 16:46 65	30/11/2015 21:51 63	2/12/2015 22:56 62	5/12/2015 20:01 67	6/12/2015 13:06 64	6/12/2015 22:11 63					
29/11/2015 16:51 65	30/11/2015 21:56 64	3/12/2015 19:01 60	5/12/2015 20:06 66	6/12/2015 13:11 66	6/12/2015 22:16 65					
29/11/2015 16:56 65	30/11/2015 22:01 63	3/12/2015 19:06 59	5/12/2015 20:11 66	6/12/2015 13:16 68	6/12/2015 22:21 65					
29/11/2015 17:01 66	30/11/2015 22:06 63	3/12/2015 19:11 61	5/12/2015 20:16 66	6/12/2015 13:21 68	6/12/2015 22:26 64					
29/11/2015 17:06 64	30/11/2015 22:11 62	3/12/2015 19:16 61	5/12/2015 20:21 67	6/12/2015 13:26 68	6/12/2015 22:31 64					
29/11/2015 17:11 65	30/11/2015 22:16 64	3/12/2015 19:21 63	5/12/2015 20:26 67	6/12/2015 13:31 68	6/12/2015 22:36 64					
29/11/2015 17:16 65	30/11/2015 22:21 64	3/12/2015 19:26 62	5/12/2015 20:31 67	6/12/2015 13:36 67	6/12/2015 22:41 64					
29/11/2015 17:21 67	30/11/2015 22:26 64	3/12/2015 19:31 64	5/12/2015 20:36 66	6/12/2015 13:41 68	6/12/2015 22:46 64					
29/11/2015 17:26 65	30/11/2015 22:31 62	3/12/2015 19:36 65	5/12/2015 20:41 65	6/12/2015 13:46 67	6/12/2015 22:51 64					
29/11/2015 17:31 65	30/11/2015 22:36 62	3/12/2015 19:41 65	5/12/2015 20:46 65	6/12/2015 13:51 65	6/12/2015 22:56 64					
29/11/2015 17:36 65	30/11/2015 22:41 63	3/12/2015 19:46 66	5/12/2015 20:51 66	6/12/2015 13:56 67	7/12/2015 19:01 62					
29/11/2015 17:41 65	30/11/2015 22:46 62	3/12/2015 19:51 65	5/12/2015 20:56 68	6/12/2015 14:01 65	7/12/2015 19:06 63					
29/11/2015 17:46 63	30/11/2015 22:51 61	3/12/2015 19:56 65	5/12/2015 21:01 67	6/12/2015 14:06 66	7/12/2015 19:11 63					
29/11/2015 17:51 64	30/11/2015 22:56 61	3/12/2015 20:01 65	5/12/2015 21:06 66	6/12/2015 14:11 66	7/12/2015 19:16 63					
29/11/2015 17:56 64	1/12/2015 19:01 62	3/12/2015 20:06 64	5/12/2015 21:11 67							

Real-time Noise Data		RTN4 (Causeway Bay Community Centre)					
7/12/2015 21:26	64	9/12/2015 22:31	66	12/12/2015 19:36	65	13/12/2015 12:41	62
7/12/2015 21:31	63	9/12/2015 22:36	66	12/12/2015 19:41	65	13/12/2015 12:46	63
7/12/2015 21:36	64	9/12/2015 22:41	67	12/12/2015 19:46	65	13/12/2015 12:51	65
7/12/2015 21:41	64	9/12/2015 22:46	67	12/12/2015 19:51	64	13/12/2015 12:56	63
7/12/2015 21:46	65	9/12/2015 22:51	66	12/12/2015 19:56	65	13/12/2015 13:01	62
7/12/2015 21:51	64	9/12/2015 22:56	66	12/12/2015 20:01	66	13/12/2015 13:06	64
7/12/2015 21:56	64	10/12/2015 19:01	58	12/12/2015 20:06	66	13/12/2015 13:11	65
7/12/2015 22:01	63	10/12/2015 19:06	63	12/12/2015 20:11	65	13/12/2015 13:16	67
7/12/2015 22:06	63	10/12/2015 19:11	58	12/12/2015 20:16	63	13/12/2015 13:21	66
7/12/2015 22:11	63	10/12/2015 19:16	53	12/12/2015 20:21	63	13/12/2015 13:26	65
7/12/2015 22:16	64	10/12/2015 19:21	56	12/12/2015 20:26	63	13/12/2015 13:31	65
7/12/2015 22:21	63	10/12/2015 19:26	49	12/12/2015 20:31	62	13/12/2015 13:36	64
7/12/2015 22:26	64	10/12/2015 19:31	57	12/12/2015 20:36	64	13/12/2015 13:41	65
7/12/2015 22:31	63	10/12/2015 19:36	63	12/12/2015 20:41	66	13/12/2015 13:46	66
7/12/2015 22:36	63	10/12/2015 19:41	53	12/12/2015 20:46	65	13/12/2015 13:51	66
7/12/2015 22:41	65	10/12/2015 19:46	63	12/12/2015 20:51	66	13/12/2015 13:56	66
7/12/2015 22:46	64	10/12/2015 19:51	61	12/12/2015 20:56	63	13/12/2015 14:01	66
7/12/2015 22:51	64	10/12/2015 19:56	66	12/12/2015 21:01	63	13/12/2015 14:06	68
7/12/2015 22:56	63	10/12/2015 20:01	67	12/12/2015 21:06	62	13/12/2015 14:11	65
8/12/2015 19:01	64	10/12/2015 20:06	67	12/12/2015 21:11	63	13/12/2015 14:16	65
8/12/2015 19:06	66	10/12/2015 20:11	64	12/12/2015 21:16	64	13/12/2015 14:21	64
8/12/2015 19:11	65	10/12/2015 20:16	65	12/12/2015 21:21	67	13/12/2015 14:26	65
8/12/2015 19:16	66	10/12/2015 20:21	65	12/12/2015 21:26	66	13/12/2015 14:31	66
8/12/2015 19:21	66	10/12/2015 20:26	65	12/12/2015 21:31	65	13/12/2015 14:36	67
8/12/2015 19:26	66	10/12/2015 20:31	64	12/12/2015 21:36	63	13/12/2015 14:41	67
8/12/2015 19:31	66	10/12/2015 20:36	65	12/12/2015 21:41	64	13/12/2015 14:46	67
8/12/2015 19:36	66	10/12/2015 20:41	65	12/12/2015 21:46	64	13/12/2015 14:51	66
8/12/2015 19:41	66	10/12/2015 20:46	65	12/12/2015 21:51	64	13/12/2015 14:56	67
8/12/2015 19:46	66	10/12/2015 20:51	66	12/12/2015 21:56	63	13/12/2015 15:01	65
8/12/2015 19:51	66	10/12/2015 20:56	65	12/12/2015 22:01	63	13/12/2015 15:06	64
8/12/2015 19:56	65	10/12/2015 21:01	66	12/12/2015 22:06	62	13/12/2015 15:11	64
8/12/2015 20:01	66	10/12/2015 21:06	65	12/12/2015 22:11	56	13/12/2015 15:16	64
8/12/2015 20:06	66	10/12/2015 21:11	65	12/12/2015 22:16	58	13/12/2015 15:21	65
8/12/2015 20:11	65	10/12/2015 21:16	64	12/12/2015 22:21	50	13/12/2015 15:26	63
8/12/2015 20:16	64	10/12/2015 21:21	65	12/12/2015 22:26	64	13/12/2015 15:31	62
8/12/2015 20:21	65	10/12/2015 21:26	65	12/12/2015 22:31	62	13/12/2015 15:36	63
8/12/2015 20:26	65	10/12/2015 21:31	64	12/12/2015 22:36	61	13/12/2015 15:41	62
8/12/2015 20:31	66	10/12/2015 21:36	65	12/12/2015 22:41	61	13/12/2015 15:46	65
8/12/2015 20:36	67	10/12/2015 21:41	64	12/12/2015 22:46	62	13/12/2015 15:51	64
8/12/2015 20:41	66	10/12/2015 21:46	64	12/12/2015 22:51	62	13/12/2015 15:56	66
8/12/2015 20:46	66	10/12/2015 21:51	65	12/12/2015 22:56	61	13/12/2015 16:01	66
8/12/2015 20:51	65	10/12/2015 21:56	64	13/12/2015 7:01	61	13/12/2015 16:06	66
8/12/2015 20:56	65	10/12/2015 22:01	65	13/12/2015 7:06	57	13/12/2015 16:11	67
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9/12/2015 21:36	67	11/12/2015 22:41	64	13/12/2015 11:46	64	13/12/2015 20:51	62
9/12/2015 21:41	67	11/12/2015 22:46	64	13/12/2015 11:51	64	13/12/2015 20:56	63
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9/12/2015 21:51	66	11/12/2015 22:56	64	13/12/2015 12:01	65	13/12/2015 21:06	62
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9/12/2015 22:01	66	12/12/2015 19:06	65	13/12/2015 12:11	64	13/12/2015 21:16	66
9/12/2015 22:06	65	12/12/2015 19:11	65	13/12/2015 12:16	64	13/12/2015 21:21	65
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9/12/2015 22:16							

Real-time Noise Data	RTN4 (Causeway Bay Community Centre)					
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18/12/2015 20:16 62	20/12/2015 9:21 65	20/12/2015 18:26 63	22/12/2015 19:31 65	24/12/2015 20:36 62	25/12/2015 13:41 65	
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18/12/2015 20:26 66	20/12/2015 9:31 66	20/12/2015 18:36 53	22/12/2015 19:41 66	24/12/2015 20:46 64	25/12/2015 13:51 65	
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18/12/2015 20:41 65	20/12/2015 9:46 68	20/12/2015 18:51 63	22/12/2015 19:56 64	24/12/2015 21:01 64	25/12/2015 14:06 65	
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18/12/2015 22:31 60	20/12/2015 11:36 62	20/12/2015 20:41 62	22/12/2015 21:46 62	24/12/2015 22:51 61	25/12/2015 15:56 67	
18/12/2015 22:36 59	20/12/2015 11:41 59	20/12/2015 20:46 63	22/12/2015 21:51 62	24/12/2015 22:56 64	25/12/2015 16:01 66	
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19/12/2015 22:51 63	20/12/2015 15:56 66	21/12/2015 21:01 64	23/12/2015 22:06 64	25/12/2015 11:11		

Real-time Noise Data	RTN4 (Causeway Bay Community Centre)				
25/12/2015 22:26 63	26/12/2015 15:31 66	28/11/2015 1:21 62	29/11/2015 2:26 62	30/11/2015 3:31 59	1/12/2015 4:36 61
25/12/2015 22:31 62	26/12/2015 15:36 67	28/11/2015 1:26 64	29/11/2015 2:31 58	30/11/2015 3:36 44	1/12/2015 4:41 60
25/12/2015 22:36 62	26/12/2015 15:41 66	28/11/2015 1:31 63	29/11/2015 2:36 60	30/11/2015 3:41 50	1/12/2015 4:46 42
25/12/2015 22:41 61	26/12/2015 15:46 65	28/11/2015 1:36 64	29/11/2015 2:41 62	30/11/2015 3:46 57	1/12/2015 4:51 48
25/12/2015 22:46 62	26/12/2015 15:51 65	28/11/2015 1:41 63	29/11/2015 2:46 60	30/11/2015 3:51 53	1/12/2015 4:56 60
25/12/2015 22:51 63	26/12/2015 15:56 65	28/11/2015 1:46 63	29/11/2015 2:51 60	30/11/2015 3:56 61	1/12/2015 5:01 60
25/12/2015 22:56 63	26/12/2015 16:01 66	28/11/2015 1:51 62	29/11/2015 2:56 58	30/11/2015 4:01 61	1/12/2015 5:06 51
26/12/2015 7:01 57	26/12/2015 16:06 66	28/11/2015 1:56 63	29/11/2015 3:01 57	30/11/2015 4:06 60	1/12/2015 5:11 58
26/12/2015 7:06 58	26/12/2015 16:11 67	28/11/2015 2:01 63	29/11/2015 3:06 60	30/11/2015 4:11 60	1/12/2015 5:16 53
26/12/2015 7:11 59	26/12/2015 16:16 66	28/11/2015 2:06 63	29/11/2015 3:11 57	30/11/2015 4:16 61	1/12/2015 5:21 55
26/12/2015 7:16 60	26/12/2015 16:21 66	28/11/2015 2:11 63	29/11/2015 3:16 59	30/11/2015 4:21 45	1/12/2015 5:26 52
26/12/2015 7:21 55	26/12/2015 16:26 64	28/11/2015 2:16 61	29/11/2015 3:21 60	30/11/2015 4:26 60	1/12/2015 5:31 55
26/12/2015 7:26 57	26/12/2015 16:31 65	28/11/2015 2:21 63	29/11/2015 3:26 54	30/11/2015 4:31 60	1/12/2015 5:36 59
26/12/2015 7:31 59	26/12/2015 16:36 65	28/11/2015 2:26 62	29/11/2015 3:31 61	30/11/2015 4:36 59	1/12/2015 5:41 58
26/12/2015 7:36 59	26/12/2015 16:41 66	28/11/2015 2:31 62	29/11/2015 3:36 60	30/11/2015 4:41 60	1/12/2015 5:46 60
26/12/2015 7:41 62	26/12/2015 16:46 67	28/11/2015 2:36 62	29/11/2015 3:41 61	30/11/2015 4:46 52	1/12/2015 5:51 58
26/12/2015 7:46 63	26/12/2015 16:51 67	28/11/2015 2:41 60	29/11/2015 3:46 56	30/11/2015 4:51 56	1/12/2015 5:56 61
26/12/2015 7:51 61	26/12/2015 16:56 67	28/11/2015 2:46 63	29/11/2015 3:51 59	30/11/2015 4:56 60	1/12/2015 6:01 59
26/12/2015 7:56 60	26/12/2015 17:01 66	28/11/2015 2:51 61	29/11/2015 3:56 54	30/11/2015 5:01 53	1/12/2015 6:06 61
26/12/2015 8:01 60	26/12/2015 17:06 65	28/11/2015 2:56 61	29/11/2015 4:01 54	30/11/2015 5:06 54	1/12/2015 6:11 62
26/12/2015 8:06 59	26/12/2015 17:11 66	28/11/2015 3:01 62	29/11/2015 4:06 58	30/11/2015 5:11 42	1/12/2015 6:16 63
26/12/2015 8:11 62	26/12/2015 17:16 66	28/11/2015 3:06 62	29/11/2015 4:11 59	30/11/2015 5:16 61	1/12/2015 6:21 63
26/12/2015 8:16 61	26/12/2015 17:21 66	28/11/2015 3:11 60	29/11/2015 4:16 57	30/11/2015 5:21 58	1/12/2015 6:26 64
26/12/2015 8:21 62	26/12/2015 17:26 67	28/11/2015 3:16 58	29/11/2015 4:21 55	30/11/2015 5:26 59	1/12/2015 6:31 64
26/12/2015 8:26 62	26/12/2015 17:31 66	28/11/2015 3:21 60	29/11/2015 4:26 58	30/11/2015 5:31 60	1/12/2015 6:36 65
26/12/2015 8:31 64	26/12/2015 17:36 65	28/11/2015 3:26 61	29/11/2015 4:31 61	30/11/2015 5:36 58	1/12/2015 6:41 65
26/12/2015 8:36 64	26/12/2015 17:41 66	28/11/2015 3:31 59	29/11/2015 4:36 57	30/11/2015 5:41 56	1/12/2015 6:46 65
26/12/2015 8:41 64	26/12/2015 17:46 66	28/11/2015 3:36 61	29/11/2015 4:41 61	30/11/2015 5:46 61	1/12/2015 6:51 65
26/12/2015 8:46 63	26/12/2015 17:51 66	28/11/2015 3:41 60	29/11/2015 4:46 58	30/11/2015 5:51 60	1/12/2015 6:56 65
26/12/2015 8:51 64	26/12/2015 17:56 65	28/11/2015 3:46 59	29/11/2015 4:51 60	30/11/2015 5:56 60	1/12/2015 7:01 65
26/12/2015 8:56 65	26/12/2015 18:01 66	28/11/2015 3:51 61	29/11/2015 4:56 63	30/11/2015 6:01 60	1/12/2015 7:06 64
26/12/2015 9:01 64	26/12/2015 18:06 66	28/11/2015 3:56 61	29/11/2015 5:01 53	30/11/2015 6:06 61	1/12/2015 7:11 65
26/12/2015 9:06 66	26/12/2015 18:11 65	28/11/2015 4:01 59	29/11/2015 5:06 58	30/11/2015 6:11 63	1/12/2015 7:16 65
26/12/2015 9:11 67	26/12/2015 18:16 65	28/11/2015 4:06 60	29/11/2015 5:11 57	30/11/2015 6:16 64	1/12/2015 7:21 65
26/12/2015 9:16 66	26/12/2015 18:21 67	28/11/2015 4:11 55	29/11/2015 5:16 59	30/11/2015 6:21 64	1/12/2015 7:26 64
26/12/2015 9:21 65	26/12/2015 18:26 67	28/11/2015 4:16 60	29/11/2015 5:21 59	30/11/2015 6:26 65	1/12/2015 7:31 65
26/12/2015 9:26 65	26/12/2015 18:31 65	28/11/2015 4:21 59	29/11/2015 5:26 57	30/11/2015 6:31 66	1/12/2015 7:36 64
26/12/2015 9:31 66	26/12/2015 18:36 65	28/11/2015 4:26 61	29/11/2015 5:31 60	30/11/2015 6:36 66	1/12/2015 7:41 63
26/12/2015 9:36 67	26/12/2015 18:41 65	28/11/2015 4:31 58	29/11/2015 5:36 58	30/11/2015 6:41 66	1/12/2015 7:46 64
26/12/2015 9:41 65	26/12/2015 18:46 66	28/11/2015 4:36 58	29/11/2015 5:41 60	30/11/2015 6:46 67	1/12/2015 7:51 63
26/12/2015 9:46 64	26/12/2015 18:51 66	28/11/2015 4:41 57	29/11/2015 5:46 60	30/11/2015 6:51 66	1/12/2015 7:56 63
26/12/2015 9:51 66	26/12/2015 18:56 65	28/11/2015 4:46 59	29/11/2015 5:51 60	30/11/2015 6:56 65	2/12/2015 0:01 63
26/12/2015 9:56 66	26/12/2015 19:01 65	28/11/2015 4:51 59	29/11/2015 5:56 60	30/11/2015 7:01 64	2/12/2015 0:06 63
26/12/2015 10:01 67	26/12/2015 19:06 65	28/11/2015 4:56 57	29/11/2015 6:01 61	30/11/2015 7:06 64	2/12/2015 0:11 62
26/12/2015 10:06 66	26/12/2015 19:11 64	28/11/2015 5:01 58	29/11/2015 6:06 61	30/11/2015 7:11 64	2/12/2015 0:16 62
26/12/2015 10:11 67	26/12/2015 19:16 64	28/11/2015 5:06 57	29/11/2015 6:11 62	30/11/2015 7:16 64	2/12/2015 0:21 62
26/12/2015 10:16 66	26/12/2015 19:21 65	28/11/2015 5:11 59	29/11/2015 6:16 62	30/11/2015 7:21 64	2/12/2015 0:26 62
26/12/2015 10:21 66	26/12/2015 19:26 65	28/11/2015 5:16 59	29/11/2015 6:21 62	30/11/2015 7:26 64	2/12/2015 0:31 62
26/12/2015 10:26 67	26/12/2015 19:31 64	28/11/2015 5:21 59	29/11/2015 6:26 62	30/11/2015 7:31 63	2/12/2015 0:36 62
26/12/2015 10:31 67	26/12/2015 19:36 63	28/11/2015 5:26 60	29/11/2015 6:31 62	30/11/2015 7:36 64	2/12/2015 0:41 63
26/12/2015 10:36 66	26/12/2015 19:41 65	28/11/2015 5:31 60	29/11/2015 6:36 65	30/11/2015 7:41 64	2/12/2015 0:46 62
26/12/2015 10:41 66	26/12/2015 19:46 64	28/11/2015 5:36 59	29/11/2015 6:41 63	30/11/2015 7:46 64	2/12/2015 0:51 61
26/12/2015 10:46 67	26/12/2015 19:51 62	28/11/2015 5:41 62	29/11/2015 6:46 64	30/11/2015 7:51 62	2/12/2015 0:56 62
26/12/2015 10:51 66	26/12/2015 19:56 62	28/11/2015 5:46 62	29/11/2015 6:51 63	30/11/2015 7:56 63	2/12/2015 1:01 59
26/12/2015 10:56 67	26/12/2015 20:01 63	28/11/2015 5:51 62	29/11/2015 6:56 63	1/12/2015 0:01 63	2/12/2015 1:06 59
26/12/2015 11:01 67	26/12/2015 20:06 65	28/11/2015 5:56 60	29/11/2015 7:01 66	1/12/2015 0:06 63	2/12/2015 1:11 60
26/12/2015 11:06 66	26/12/2015 20:11 64	28/11/2015 6:01 63	29/11/2015 7:06 64	1/12/2015 0:11 62	2/12/2015 1:16 61
26/12/2015 11:11 66	26/12/2015 20:16 63	28/11/2015 6:06 63	29/11/2015 7:11 65	1/12/2015 0:16 63	2/12/2015 1:21 59
26/12/2015 11:16 67	26/12/2015 20:21 64	28/11/2015 6:11 62	29/11/2015 7:16 64	1/12/2015 0:21 61	2/12/2015 1:26 60
26/12/2015 11:21 67	26/12/2015 20:26 61	28/11/2015 6:16 63	29/11/2015 7:21 64	1/12/2015 0:26 62	2/12/2015 1:31 60
26/12/2015 11:26 65	26/12/2015 20:31 63	28/11/2015 6:21 63	29/11/2015 7:26 64	1/12/2015 0:31 63	2/12/2015 1:36 60
26/12/2015 11:31 65	26/12/2015 20:36 63	28/11/2015 6:26 65	29/11/2015 7:31 64	1/12/2015 0:36 63	2/12/2015 1:41 58
26/12/2015 11:36 64	26/12/2015 20:41 63	28/11/2015 6:31 64	29/11/2015 7:36 63	1/12/2015 0:41 60	2/12/2015 1:46 59
26/12/2015 11:41 60	26/12/2015 20:46 62	28/11/2015 6:36 64	29/11/2015 7:41 63	1/12/2015 0:46 60	2/12/2015 1:51 56
26/12/2015 11:46 60	26/12/2015 20:51 64	28/11/2015 6:41 65	29/11/2015 7:46 64	1/12/2015 0:51 61	2/12/2015 1:56 56
26/12/2015 11:51 62	26/12/2015 20:56 63	28/11/2015 6:46 64	29/11/2015 7:51 64	1/12/2015 0:56 60	2/12/2015 2:01 61
26/12/2015 11:56 63	26/12/2015 21:01 64	28/11/2015 6:51 65	29/11/2015 7:56 63	1/12/2015 1:01 60	2/12/2015 2:06 55
26/12/2015 12:01 63	26/12/2015 21:06 62	28/11/2015 6:56 64	30/11/2015 0:01 63	1/12/2015 1:06 62	2/12/2015 2:11 58
26/12/2015 12:06 61	26/12/2015 21:11 64	28/11/2015 7:01 65	30/11/2015 0:06 61	1/12/2015 1:11 60	2/12/2015 2:16 56
26/12/2015 12:11 62	26/12/2015 21:16 63	28/11/2015 7:06 65	30/11/2015 0:11 63	1/12/2015 1:16 60	2/12/2015 2:21 53
26/12/2015 12:16 62	26/12/2015 21:21 63	28/11/2015 7:11 65	30/11/2015 0:16 62	1/12/2015 1:21 59	2/12/2015 2:26 60
26/12/2015 12:21 59	26/12/2015 21:26 62	28/11/2015 7:16 64	30/11/2015 0:21 61	1/12/2015 1:26 58	2/12/2015 2:31 53
26/12/2015 12:26 62	26/12/2015 21:31 64	28/11/2015 7:21 65	30/11/2015 0:26 64	1/12/2015 1:31 59	2/12/2015 2:36 60
26/12/2015 12:31 65	26/12/2015 21:36 64	28/11/2015 7:26 65	30/11/2015 0:31 61	1/12/2015 1:36 57	2/12/2015 2:41 61
26/12/2015 12:36 65	26/12/2015 21:41 64	28/11/2015 7:31 65	30/11/2015 0:36 60	1/12/2015 1:41 57	2/12/2015 2:46 61
26/12/2015 12:41 66	26/12/2015 21:46 63	28/11/2015 7:36 64	30/11/2015 0:41 63	1/12/2015 1:46 59	2/12/2015 2:51 61
26/12/2015 12:46 66	26/12/2015 21:51 63	28/11/2015 7:41 64	30/11/2015 0:46 60	1/12/2015 1:51 60	2/12/2015 2:56 55
26/12/2015 12:51 65	26/12/2015 21:56 64	28/11/2015 7:46 65	30/11/2015 0:51 59	1/12/2015 1:56 58	2/12/2015 3:01 57
26/12/2015 12:56 65	26/12/2015 22:01 62	28/11/2015 7:51 64	30/11/2015 0:56 59	1/12/2015 2:01 60	2/12/2015 3:06 61
26/12/2015 13:01 65	26/12/2015 22:06 63	28/11/2015 7:56 64	30/11/2015 1:01 59	1/12/2015 2:06 58	2/12/2015 3:11 56
26/12/2015 13:06 65	26/12/2015 22:11 63	29/11/2015 0:01 65	30/11/2015 1:06 60	1/12/2015 2:11 54	2/12/2015 3:16 60
26/12/2015 13:11 65	26/12/2015 22:16 64	29/11/2015 0:06 64	30/11/2015 1:11 58	1/12/2015 2:16 55	2/12/2015 3:21 55
26/12/2015 13:16 66	26/12/2015 22:21 63	29/11/2015 0:11 64	30/11/2015 1:16 60	1/12/2015 2:21 45	2/12/2015 3:26 61
26/12/2015 13:21 67	26/12/2015 22:26 63	29/11/2015 0:16 64	30/11/2015 1:21 58	1/12/2015 2:26 56	2/12/2015 3:31 60
26/12/2015 13:26 67	26/12/2015 22:31 63	29/11/2015 0:21 63	30/11/2015 1:26 60	1/12/2015 2:31 60	2/12/2015 3:36 41
26/12/2015 13:31 67	26/12/2015 22:36 64	29/11/2015 0:26 64	30/11/2015 1:31 57	1/12/2015 2:36 52	2/12/2015 3:41 60
26/12/2015 13:36 66	26/12/2015 22:41 63	29/11/2015 0:31 64	30/11/2015 1:36 58	1/12/2015 2:41 60	2/

Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
2/12/2015 5:41	60	3/12/2015 6:46	66	4/12/2015 23:51	66	6/12/2015 0:56	64	7/12/2015 2:01	58	8/12/2015 3:06	51
2/12/2015 5:46	58	3/12/2015 6:51	66	4/12/2015 23:56	65	6/12/2015 1:01	65	7/12/2015 2:06	57	8/12/2015 3:11	53
2/12/2015 5:51	58	3/12/2015 6:56	65	5/12/2015 0:01	66	6/12/2015 1:06	64	7/12/2015 2:11	59	8/12/2015 3:16	55
2/12/2015 5:56	59	3/12/2015 23:01	65	5/12/2015 0:06	64	6/12/2015 1:11	64	7/12/2015 2:16	56	8/12/2015 3:21	53
2/12/2015 6:01	55	3/12/2015 23:06	65	5/12/2015 0:11	65	6/12/2015 1:16	64	7/12/2015 2:21	56	8/12/2015 3:26	46
2/12/2015 6:06	61	3/12/2015 23:11	65	5/12/2015 0:16	65	6/12/2015 1:21	64	7/12/2015 2:26	52	8/12/2015 3:31	54
2/12/2015 6:11	61	3/12/2015 23:16	65	5/12/2015 0:21	65	6/12/2015 1:26	64	7/12/2015 2:31	56	8/12/2015 3:36	47
2/12/2015 6:16	62	3/12/2015 23:21	65	5/12/2015 0:26	64	6/12/2015 1:31	62	7/12/2015 2:36	56	8/12/2015 3:41	55
2/12/2015 6:21	62	3/12/2015 23:26	64	5/12/2015 0:31	64	6/12/2015 1:36	63	7/12/2015 2:41	60	8/12/2015 3:46	59
2/12/2015 6:26	64	3/12/2015 23:31	65	5/12/2015 0:36	64	6/12/2015 1:41	64	7/12/2015 2:46	61	8/12/2015 3:51	61
2/12/2015 6:31	65	3/12/2015 23:36	65	5/12/2015 0:41	63	6/12/2015 1:46	64	7/12/2015 2:51	60	8/12/2015 3:56	49
2/12/2015 6:36	64	3/12/2015 23:41	65	5/12/2015 0:46	64	6/12/2015 1:51	63	7/12/2015 2:56	52	8/12/2015 4:01	60
2/12/2015 6:41	65	3/12/2015 23:46	65	5/12/2015 0:51	64	6/12/2015 1:56	63	7/12/2015 3:01	52	8/12/2015 4:06	56
2/12/2015 6:46	65	3/12/2015 23:51	65	5/12/2015 0:56	64	6/12/2015 2:01	63	7/12/2015 3:06	61	8/12/2015 4:11	60
2/12/2015 6:51	66	3/12/2015 23:56	65	5/12/2015 1:01	64	6/12/2015 2:06	64	7/12/2015 3:11	60	8/12/2015 4:16	60
2/12/2015 6:56	65	4/12/2015 0:01	64	5/12/2015 1:06	63	6/12/2015 2:11	62	7/12/2015 3:16	55	8/12/2015 4:21	59
2/12/2015 23:01	65	4/12/2015 0:06	64	5/12/2015 1:11	63	6/12/2015 2:16	62	7/12/2015 3:21	50	8/12/2015 4:26	52
2/12/2015 23:06	64	4/12/2015 0:11	64	5/12/2015 1:16	64	6/12/2015 2:21	62	7/12/2015 3:26	54	8/12/2015 4:31	61
2/12/2015 23:11	65	4/12/2015 0:16	64	5/12/2015 1:21	64	6/12/2015 2:26	63	7/12/2015 3:31	58	8/12/2015 4:36	52
2/12/2015 23:16	65	4/12/2015 0:21	62	5/12/2015 1:26	63	6/12/2015 2:31	62	7/12/2015 3:36	60	8/12/2015 4:41	52
2/12/2015 23:21	65	4/12/2015 0:26	63	5/12/2015 1:31	64	6/12/2015 2:36	61	7/12/2015 3:41	58	8/12/2015 4:46	61
2/12/2015 23:26	64	4/12/2015 0:31	63	5/12/2015 1:36	63	6/12/2015 2:41	62	7/12/2015 3:46	49	8/12/2015 4:51	38
2/12/2015 23:31	64	4/12/2015 0:36	62	5/12/2015 1:41	62	6/12/2015 2:46	62	7/12/2015 3:51	51	8/12/2015 4:56	47
2/12/2015 23:36	65	4/12/2015 0:41	63	5/12/2015 1:46	62	6/12/2015 2:51	63	7/12/2015 3:56	52	8/12/2015 5:01	61
2/12/2015 23:41	66	4/12/2015 0:46	62	5/12/2015 1:51	62	6/12/2015 2:56	61	7/12/2015 4:01	60	8/12/2015 5:06	50
2/12/2015 23:46	65	4/12/2015 0:51	62	5/12/2015 1:56	63	6/12/2015 3:01	60	7/12/2015 4:06	60	8/12/2015 5:11	44
2/12/2015 23:51	64	4/12/2015 0:56	61	5/12/2015 2:01	60	6/12/2015 3:06	61	7/12/2015 4:11	61	8/12/2015 5:16	47
2/12/2015 23:56	64	4/12/2015 1:01	62	5/12/2015 2:06	61	6/12/2015 3:11	61	7/12/2015 4:16	55	8/12/2015 5:21	57
3/12/2015 0:01	64	4/12/2015 1:06	59	5/12/2015 2:11	64	6/12/2015 3:16	61	7/12/2015 4:21	55	8/12/2015 5:26	65
3/12/2015 0:06	64	4/12/2015 1:11	61	5/12/2015 2:16	62	6/12/2015 3:21	61	7/12/2015 4:26	49	8/12/2015 5:31	57
3/12/2015 0:11	64	4/12/2015 1:16	61	5/12/2015 2:21	62	6/12/2015 3:26	62	7/12/2015 4:31	59	8/12/2015 5:36	57
3/12/2015 0:16	63	4/12/2015 1:21	59	5/12/2015 2:26	62	6/12/2015 3:31	61	7/12/2015 4:36	54	8/12/2015 5:41	59
3/12/2015 0:21	63	4/12/2015 1:26	62	5/12/2015 2:31	61	6/12/2015 3:36	59	7/12/2015 4:41	58	8/12/2015 5:46	62
3/12/2015 0:26	63	4/12/2015 1:31	59	5/12/2015 2:36	61	6/12/2015 3:41	60	7/12/2015 4:46	47	8/12/2015 5:51	61
3/12/2015 0:31	63	4/12/2015 1:36	60	5/12/2015 2:41	61	6/12/2015 3:46	61	7/12/2015 4:51	49	8/12/2015 5:56	62
3/12/2015 0:36	63	4/12/2015 1:41	59	5/12/2015 2:46	61	6/12/2015 3:51	61	7/12/2015 4:56	55	8/12/2015 6:01	61
3/12/2015 0:41	63	4/12/2015 1:46	59	5/12/2015 2:51	61	6/12/2015 3:56	60	7/12/2015 5:01	56	8/12/2015 6:06	61
3/12/2015 0:46	62	4/12/2015 1:51	59	5/12/2015 2:56	56	6/12/2015 4:01	60	7/12/2015 5:06	55	8/12/2015 6:11	63
3/12/2015 0:51	62	4/12/2015 1:56	59	5/12/2015 3:01	59	6/12/2015 4:06	61	7/12/2015 5:11	54	8/12/2015 6:16	64
3/12/2015 0:56	63	4/12/2015 2:01	60	5/12/2015 3:06	60	6/12/2015 4:11	61	7/12/2015 5:16	60	8/12/2015 6:21	62
3/12/2015 1:01	60	4/12/2015 2:06	57	5/12/2015 3:11	60	6/12/2015 4:16	60	7/12/2015 5:21	58	8/12/2015 6:26	64
3/12/2015 1:06	62	4/12/2015 2:11	59	5/12/2015 3:16	59	6/12/2015 4:21	60	7/12/2015 5:26	60	8/12/2015 6:31	65
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3/12/2015 1:26	62	4/12/2015 2:31	57	5/12/2015 3:36	59	6/12/2015 4:41	60	7/12/2015 5:46	61	8/12/2015 6:51	66
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3/12/2015 1:36	62	4/12/2015 2:41	57	5/12/2015 3:46	58	6/12/2015 4:51	61	7/12/2015 5:56	61	8/12/2015 23:01	65
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3/12/2015 1:51	63	4/12/2015 2:56	54	5/12/2015 4:01	52	6/12/2015 5:06	61	7/12/2015 6:11	64	8/12/2015 23:16	66
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3/12/2015 2:01	60	4/12/2015 3:06	56	5/12/2015 4:11	54	6/12/2015 5:16	59	7/12/2015 6:21	66	8/12/2015 23:26	66
3/12/2015 2:06	62	4/12/2015 3:11	49	5/12/2015 4:16	52	6/12/2015 5:21	60	7/12/2015 6:26	66	8/12/2015 23:31	65
3/12/2015 2:11	60	4/12/2015 3:16	61	5/12/2015 4:21	54	6/12/2015 5:26	57	7/12/2015 6:31	66	8/12/2015 23:36	65
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3/12/2015 2:21	58	4/12/2015 3:26	61	5/12/2015 4:31	56	6/12/2015 5:36	60	7/12/2015 6:41	67	8/12/2015 23:46	65
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3/12/2015 2:31	59	4/12/2015 3:36	56	5/12/2015 4:41	52	6/12/2015 5:46	60	7/12/2015 6:51	67	8/12/2015 23:56	65
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3/12/2015 2:46	57	4/12/2015 3:51	55	5/12/2015 4:56	57	6/12/2015 6:01	63	7/12/2015 23:06	65	9/12/2015 0:11	63
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3/12/2015 3:36	59	4/12/2015 4:41	54	5/12/2015 5:46	59	6/12/2015 6:51	64	7/12/2015 23:56	63	9/12/2015 1:01	62
3/12/2015 3:41	55	4/12/2015 4:46	52	5/12/2015 5:51	59	6/12/2015 6:56	64	8/12/2015 0:01	63	9/12/2015 1:06	60
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3/12/2015 3:51	53	4/12/2015 4:56	61	5/12/2015 6:01	61	6/12/2015 23:06	65	8/12/2015 0:11	64	9/12/2015 1:16	61
3/12/2015 3:56	56	4/12/2015 5:01	52	5/12/2015 6:06	5						

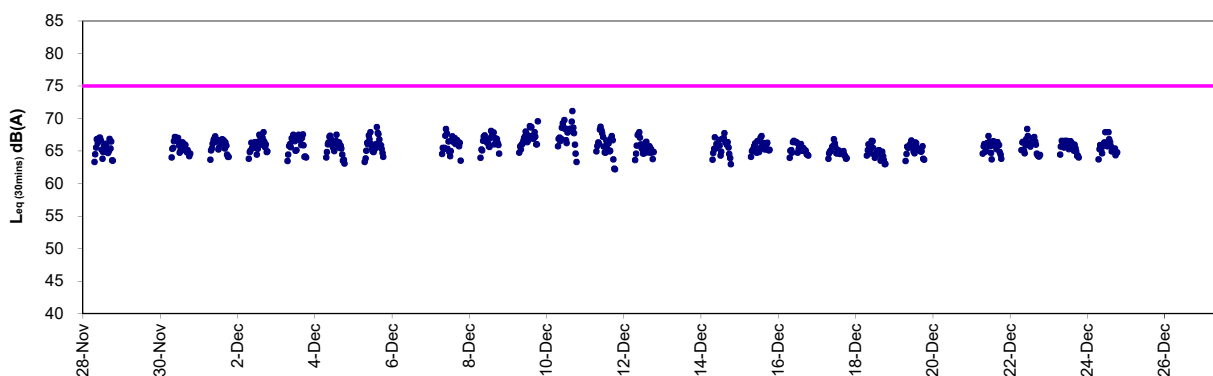
Real-time Noise Data		RTN4 (Causeway Bay Community Centre)					
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9/12/2015 4:21	60	10/12/2015 5:26	60	11/12/2015 6:31	65	12/12/2015 23:36	66
9/12/2015 4:26	58	10/12/2015 5:31	61	11/12/2015 6:36	66	12/12/2015 23:41	65
9/12/2015 4:31	59	10/12/2015 5:36	60	11/12/2015 6:41	66	12/12/2015 23:46	65
9/12/2015 4:36	59	10/12/2015 5:41	62	11/12/2015 6:46	67	12/12/2015 23:51	65
9/12/2015 4:41	59	10/12/2015 5:46	62	11/12/2015 6:51	67	12/12/2015 23:56	65
9/12/2015 4:46	59	10/12/2015 5:51	63	11/12/2015 6:56	67	13/12/2015 0:01	64
9/12/2015 4:51	59	10/12/2015 5:56	63	11/12/2015 7:01	67	13/12/2015 0:06	65
9/12/2015 4:56	59	10/12/2015 6:01	61	11/12/2015 7:06	66	13/12/2015 0:11	65
9/12/2015 5:01	52	10/12/2015 6:06	63	11/12/2015 7:11	65	13/12/2015 0:16	64
9/12/2015 5:06	61	10/12/2015 6:11	63	11/12/2015 7:16	66	13/12/2015 0:21	64
9/12/2015 5:11	59	10/12/2015 6:16	65	11/12/2015 7:21	66	13/12/2015 0:26	63
9/12/2015 5:16	61	10/12/2015 6:21	66	11/12/2015 7:26	66	13/12/2015 0:31	62
9/12/2015 5:21	60	10/12/2015 6:26	66	11/12/2015 7:31	66	13/12/2015 0:36	62
9/12/2015 5:26	62	10/12/2015 6:31	66	11/12/2015 7:36	65	13/12/2015 0:41	62
9/12/2015 5:31	61	10/12/2015 6:36	67	11/12/2015 7:41	66	13/12/2015 0:46	63
9/12/2015 5:36	61	10/12/2015 6:41	67	11/12/2015 7:46	65	13/12/2015 0:51	64
9/12/2015 5:41	61	10/12/2015 6:46	67	11/12/2015 7:51	65	13/12/2015 0:56	63
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9/12/2015 6:06	62	10/12/2015 7:11	66	12/12/2015 0:16	66	13/12/2015 1:21	62
9/12/2015 6:11	64	10/12/2015 7:16	66	12/12/2015 0:21	64	13/12/2015 1:26	62
9/12/2015 6:16	64	10/12/2015 7:21	67	12/12/2015 0:26	64	13/12/2015 1:31	62
9/12/2015 6:21	65	10/12/2015 7:26	65	12/12/2015 0:31	64	13/12/2015 1:36	62
9/12/2015 6:26	65	10/12/2015 7:31	66	12/12/2015 0:36	65	13/12/2015 1:41	61
9/12/2015 6:31	66	10/12/2015 7:36	65	12/12/2015 0:41	64	13/12/2015 1:46	62
9/12/2015 6:36	66	10/12/2015 7:41	65	12/12/2015 0:46	64	13/12/2015 1:51	62
9/12/2015 6:41	67	10/12/2015 7:46	65	12/12/2015 0:51	64	13/12/2015 1:56	61
9/12/2015 6:46	66	10/12/2015 7:51	65	12/12/2015 0:56	64	13/12/2015 2:01	62
9/12/2015 6:51	67	10/12/2015 7:56	65	12/12/2015 1:01	64	13/12/2015 2:06	64
9/12/2015 6:56	67	11/12/2015 0:01	65	12/12/2015 1:06	64	13/12/2015 2:11	62
9/12/2015 7:01	67	11/12/2015 0:06	64	12/12/2015 1:11	63	13/12/2015 2:16	61
9/12/2015 7:06	66	11/12/2015 0:11	64	12/12/2015 1:16	63	13/12/2015 2:21	62
9/12/2015 7:11	67	11/12/2015 0:16	65	12/12/2015 1:21	63	13/12/2015 2:26	61
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9/12/2015 7:21	66	11/12/2015 0:26	64	12/12/2015 1:31	64	13/12/2015 2:36	61
9/12/2015 7:26	66	11/12/2015 0:31	64	12/12/2015 1:36	64	13/12/2015 2:41	61
9/12/2015 7:31	66	11/12/2015 0:36	63	12/12/2015 1:41	63	13/12/2015 2:46	58
9/12/2015 7:36	66	11/12/2015 0:41	63	12/12/2015 1:46	63	13/12/2015 2:51	58
9/12/2015 7:41	66	11/12/2015 0:46	62	12/12/2015 1:51	63	13/12/2015 2:56	62
9/12/2015 7:46	66	11/12/2015 0:51	63	12/12/2015 1:56	64	13/12/2015 3:01	62
9/12/2015 7:51	66	11/12/2015 0:56	62	12/12/2015 2:01	63	13/12/2015 3:06	60
9/12/2015 7:56	65	11/12/2015 1:01	63	12/12/2015 2:06	63	13/12/2015 3:11	60
10/12/2015 0:01	66	11/12/2015 1:06	62	12/12/2015 2:11	62	13/12/2015 3:16	62
10/12/2015 0:06	65	11/12/2015 1:11	62	12/12/2015 2:16	62	13/12/2015 3:21	59
10/12/2015 0:11	65	11/12/2015 1:16	63	12/12/2015 2:21	62	13/12/2015 3:26	60
10/12/2015 0:16	65	11/12/2015 1:21	64	12/12/2015 2:26	63	13/12/2015 3:31	60
10/12/2015 0:21	64	11/12/2015 1:26	62	12/12/2015 2:31	63	13/12/2015 3:36	62
10/12/2015 0:26	65	11/12/2015 1:31	61	12/12/2015 2:36	63	13/12/2015 3:41	59
10/12/2015 0:31	65	11/12/2015 1:36	62	12/12/2015 2:41	60	13/12/2015 3:46	62
10/12/2015 0:36	64	11/12/2015 1:41	59	12/12/2015 2:46	62	13/12/2015 3:51	60
10/12/2015 0:41	64	11/12/2015 1:46	61	12/12/2015 2:51	62	13/12/2015 3:56	58
10/12/2015 0:46	63	11/12/2015 1:51	61	12/12/2015 2:56	61	13/12/2015 4:01	58
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10/12/2015 1:16	61	11/12/2015 2:21	57	12/12/2015 3:26	61	13/12/2015 4:31	60
10/12/2015 1:21	64	11/12/2015 2:26	60	12/12/2015 3:31	60	13/12/2015 4:36	56
10/12/2015 1:26	63	11/12/2015 2:31	57	12/12/2015 3:36	61	13/12/2015 4:41	55
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10/12/2015 2:06	60	11/12/2015 3:11	59	12/12/2015 4:16	61	13/12/2015 5:21	56
10/12/2015 2:11	60	11/12/2015 3:16	55	12/12/2015 4:21	60	13/12/2015 5:26	59
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10/12/2015 2:26	62	11/12/2015 3:31	61	12/12/2015 4:36	59	13/12/2015 5:41	59
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10/12/2015 2:41	61	11/12/2015 3:46	54	12/12/2015 4:51	56	13/12/2015 5:56	58
10/12/2015 2:46	57	11/12/2015 3:51	49	12/12/2015 4:56	59	13/12/2015 6:01	60
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10/12/2015 3:16	58	11/12/2015 4:21	49	12/12/2015 5:26	61	13/12/2015 6:31	62
10/12/2015 3:21	58	11/12/2015 4:26	56	12/12/2015 5:31	57	13/12/2015 6:36	62
10/12/2015 3:26	59	11/12/2015 4:31	58	12/12/2015 5:36	62	13/12/2015 6:41	63
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10/12/2015 3:46	58	11/12/2015 4:51	58	12/12/2015 5:56	63	13/12/2015 7:01	65
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10/12/2015 4:41	54	11/12/2015 5:46	62	12/12/2015 6:51	65	15/12/2015 1:01	62
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10/12/2015 4:51	58	11/12/2015 5:56	62	12/12/2015 7:01	65	15/12/2015 1:11	61
10/12/2015 4:56	59	11/12/2015 6:01	61	12/12/2015 7:06	66	15/12/2015 1:16	59
10/12/2015 5:01	58	11/12/2015 6:06	63	12/12/2015 7:11	65	15/12/2015 1:21	60
10/12/2015 5:06	59	11/12/2015 6:11	63	12/12/2015 7:16	65	15/12/2015 1:26	61
10/12/2015 5:11	56	11/12/2015 6:16	64	12/12/2015 7:21	65	15/12/2015 1:31	62

Real-time Noise Data	RTN4 (Causeway Bay Community Centre)				
16/12/2015 2:41 57	17/12/2015 3:46 54	18/12/2015 4:51 51	19/12/2015 5:56 61	20/12/2015 23:01 66	22/12/2015 0:06 62
16/12/2015 2:46 57	17/12/2015 3:51 61	18/12/2015 4:56 60	19/12/2015 6:01 62	20/12/2015 23:06 66	22/12/2015 0:11 63
16/12/2015 2:51 59	17/12/2015 3:56 53	18/12/2015 5:01 59	19/12/2015 6:06 61	20/12/2015 23:11 64	22/12/2015 0:16 63
16/12/2015 2:56 53	17/12/2015 4:01 52	18/12/2015 5:06 59	19/12/2015 6:11 63	20/12/2015 23:16 65	22/12/2015 0:21 63
16/12/2015 3:01 55	17/12/2015 4:06 56	18/12/2015 5:11 56	19/12/2015 6:16 62	20/12/2015 23:21 65	22/12/2015 0:26 63
16/12/2015 3:06 49	17/12/2015 4:11 48	18/12/2015 5:16 56	19/12/2015 6:21 65	20/12/2015 23:26 65	22/12/2015 0:31 63
16/12/2015 3:11 58	17/12/2015 4:16 55	18/12/2015 5:21 58	19/12/2015 6:26 63	20/12/2015 23:31 64	22/12/2015 0:36 63
16/12/2015 3:16 58	17/12/2015 4:21 49	18/12/2015 5:26 50	19/12/2015 6:31 65	20/12/2015 23:36 65	22/12/2015 0:41 62
16/12/2015 3:21 61	17/12/2015 4:26 60	18/12/2015 5:31 60	19/12/2015 6:36 65	20/12/2015 23:41 65	22/12/2015 0:46 63
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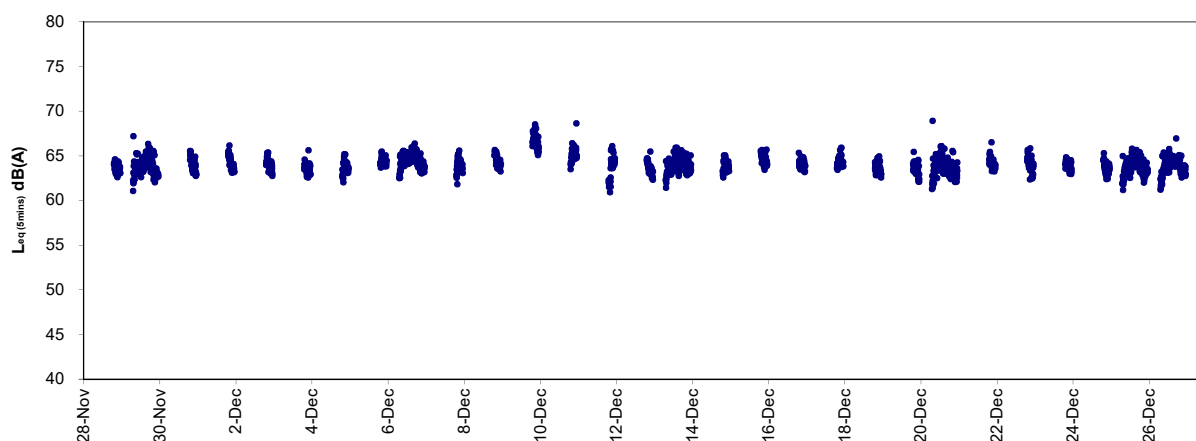
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24/12/2015 2:01 63	25/12/2015 3:06 60	26/12/2015 4:11 57
24/12/2015 2:06 61	25/12/2015 3:11 62	26/12/2015 4:16 59
24/12/2015 2:11 60	25/12/2015 3:16 61	26/12/2015 4:21 58

Graphic Presentation of Real Time Noise Monitoring Result (RTN1-Food and Environmental Hygiene Department Depot)

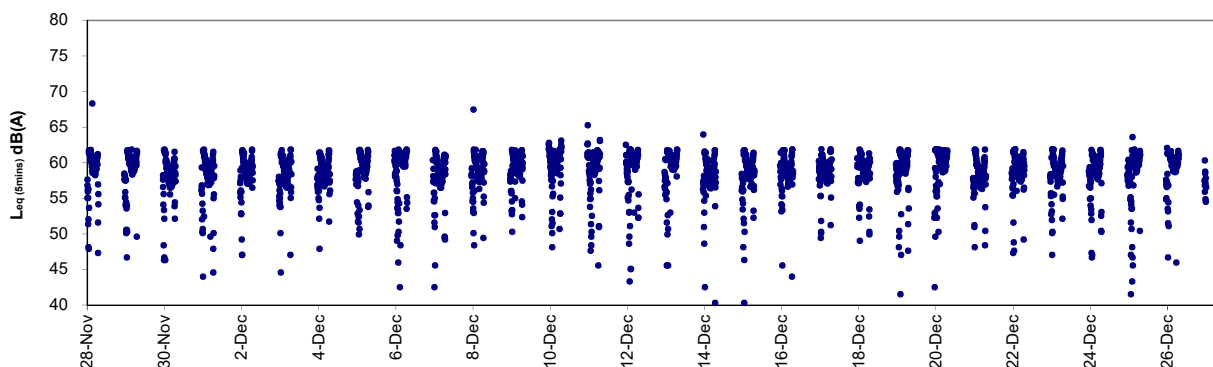
Day Time (0700 -1900 hrs on normal weekdays)



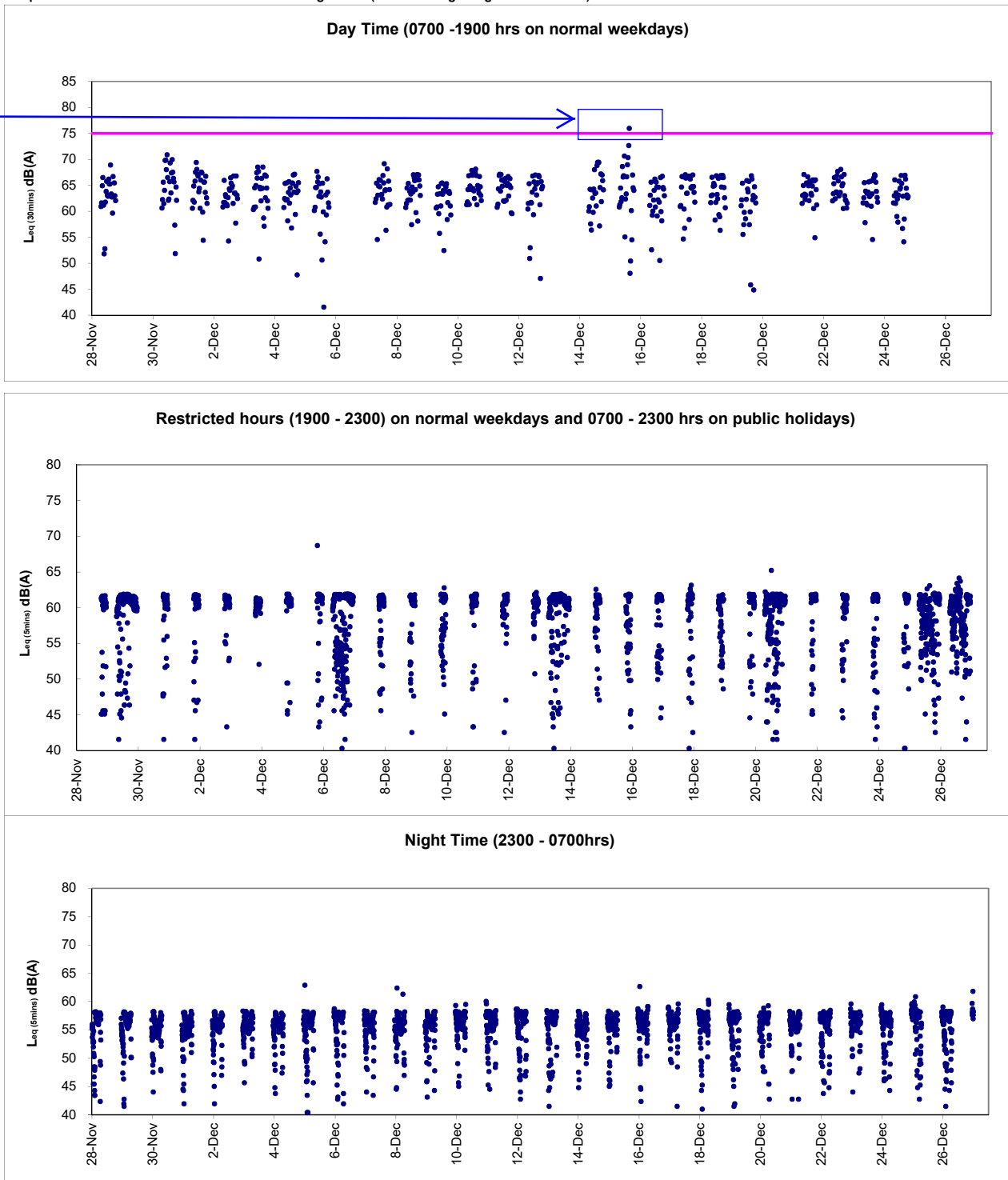
Restricted hours (1900 - 2300) on normal weekdays and 0700 - 2300 hrs on public holidays)



Night Time (2300 - 0700hrs)



Graphic Presentation of Real Time Noise Monitoring Result (RTN2a- Hong Kong Electric Centre)

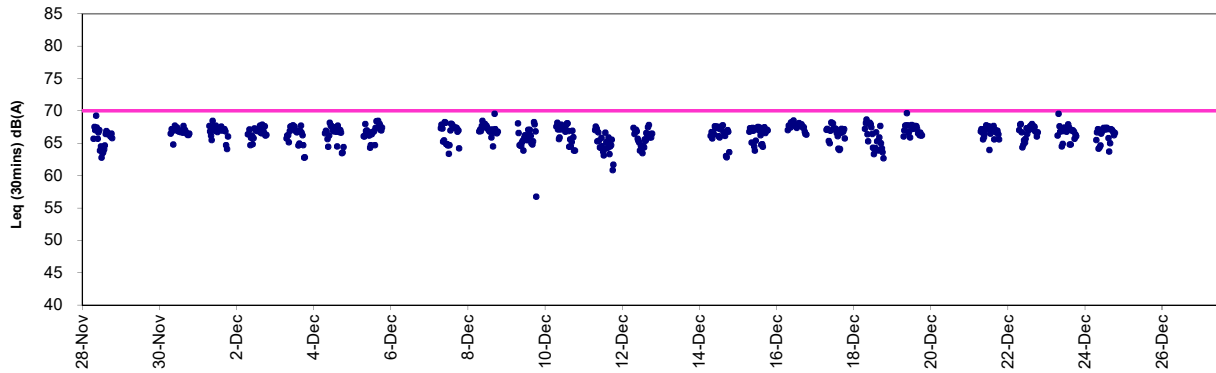


After checking with Contractor of HY/2009/19, on 15 December 2015, concreting was undertaken by Contract HY/2009/19 while steel bar cutting works using saw cutter for Hong Kong Electric Centre was conducted at the roof top by non-CWB Contractor immediately next to the noise monitoring station and was considered as the major noise contribution, the exceedance was considered as non-Project related.

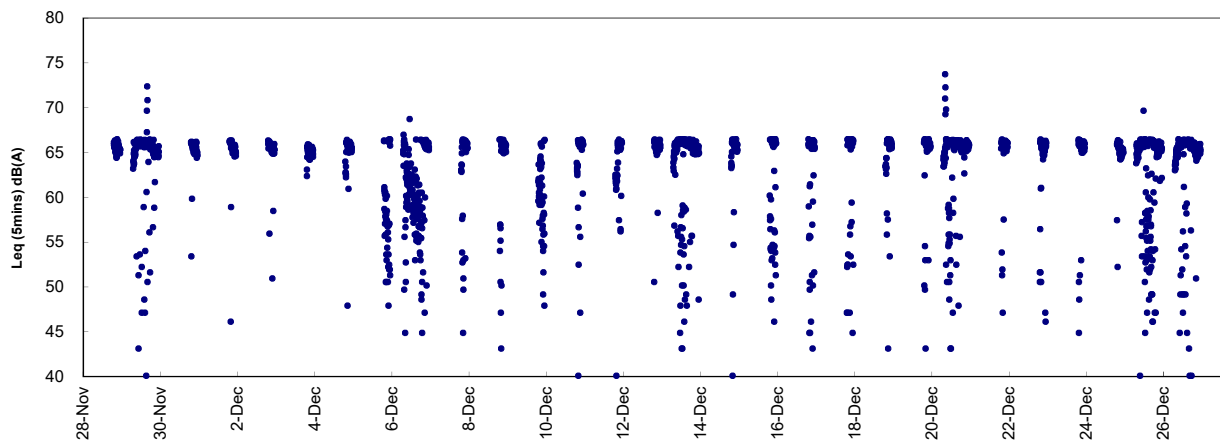


Graphic Presentation of Real Time Noise Monitoring Result (RTN3-Yu Lee Mo Fan Memorial School)

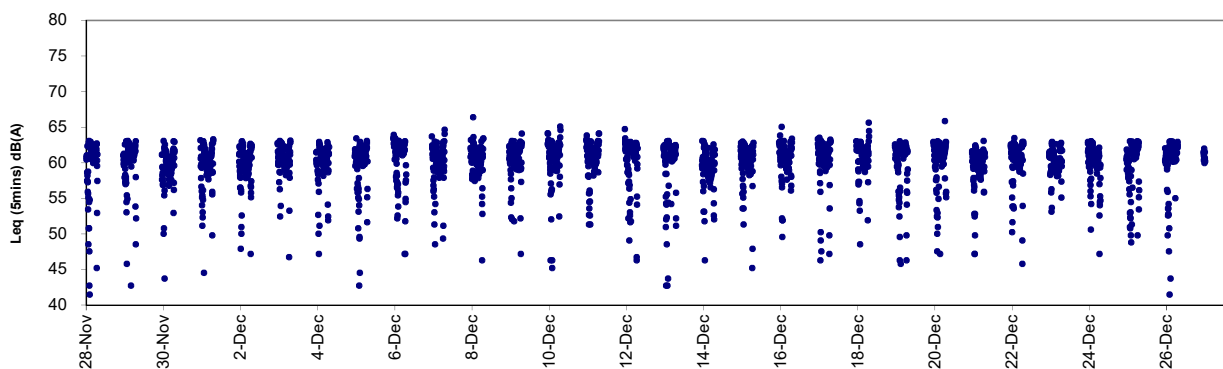
Day Time (0700 -1900 hrs on normal weekdays)



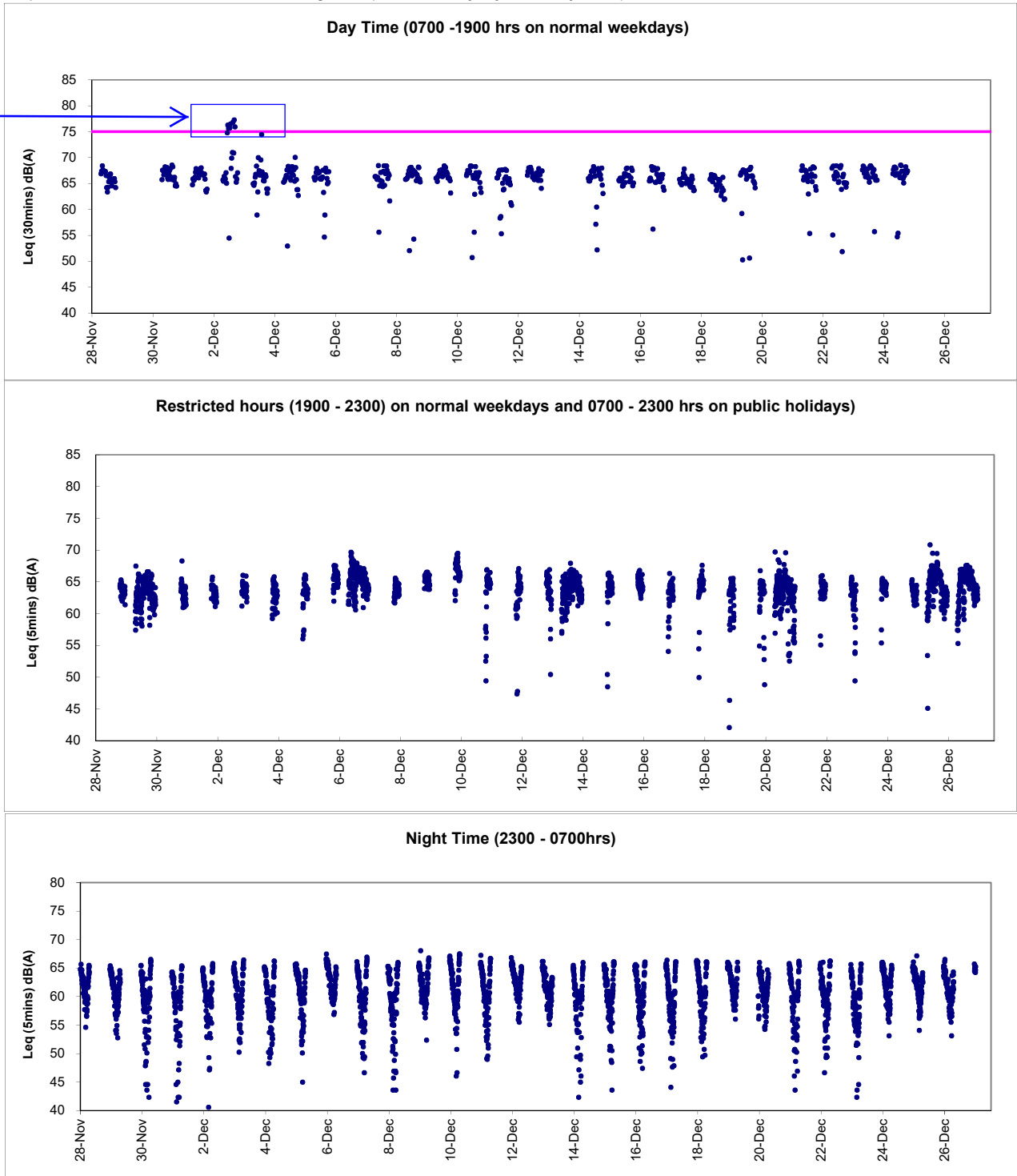
Restricted hours (1900 - 2300) on normal weekdays and 0700 - 2300 hrs on public holidays)



Night Time (2300 - 0700hrs)



Graphic Presentation of Real Time Noise Monitoring Result (RTN4-Causeway Bay Community Centre)



After checking with Contractor of HY/2009/19, on 02 December 2015, only steel mould dismantling works was undertaken by Contract HY/2009/19 during monitoring while scaffold dismantling and manual handling of material was observed undertaken by non-CWB Contractor at Causeway Bay Community Centre in close proximity to the monitoring station and was considered as the major noise contribution. As such, the exceedances were considered as non-Project related.



Appendix 6.1

Event Action Plans



Event/Action Plan for Construction Noise

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Action Level being exceeded	1. Notify ER, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, ER and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; 3. Advise the ER on the effectiveness of the proposed remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Submit noise mitigation proposals to IEC and ER; 2. Implement noise mitigation proposals. (The above actions should be taken within 2 working days after the exceedance is identified)



EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Limit Level being exceeded	1. Inform IEC, ER, Contractor and EPD; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor's working procedures; 6. Discuss with the IEC, Contractor and ER on remedial measures required; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; 5. If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification; 3. Implement the agreed proposals; 4. Submit further proposal if problem still not under control; 5. Stop the relevant portion of works as instructed by the ER until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)

**Event / Action Plan for Construction Air Quality**

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
ACTION LEVEL				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform IEC and ER; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Check monitoring data submitted by ET; 2. Check Contractor's working method. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Notify Contractor. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Rectify any unacceptable practice; 2. Amend working methods if appropriate. (The above actions should be taken within 2 working days after the exceedance is identified)
2. Exceedance for two or more consecutive samples	1. Identify source; 2. Inform IEC and ER; 3. Advise the ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and ER; 8. If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Submit proposals for remedial to ER within 3 working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate. (The above actions should be taken within 2 working days after the exceedance is identified)
LIMIT LEVEL				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform ER, Contractor and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; 5. Supervise implementation of remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate. (The above actions should be taken within 2 working days after the exceedance is identified)
2. Exceedance for two or more consecutive samples	1. Notify IEC, ER, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and ER to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)



Appendix 6.2

Summary for Notification of Exceedance



Ref. No.	Date	Time	Location	Construction Noise Level	Unit	Action Level	Limit Level	Follow-up action
X_10N186	1-Dec-15	10:20	M1a-Habour Road Sports Centre	89	Leq(30-min)	when one documented complaint was received.	75	Possible reason: Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor. Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Remarks / Other Obs: Bored Piling works and ground investigation works at portion 2 and reclamation works at WCR3 were conducted under Contract HK/2009/02 around the concerned location during the time of measurement while breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related.
X_10N187	1-Dec-15	10:20	M1a-Habour Road Sports Centre	89	Leq(30-min)	when one documented complaint was received.	75	Possible reason: Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor. Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Remarks / Other Obs: Welding works was conducted under Contract HK/2009/01 at Area 8 (West of Wan Chai Ferry Pier) during the time of measurement while breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related.
X_10N189	8-Dec-15	16:18	M1a-Habour Road Sports Centre	83	Leq(30-min)	when one documented complaint was received.	75	Possible reason: Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor. Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Remarks / Other Obs: Bored Piling works and ground investigation works at portion 5 and backfilling at portion 2 were conducted under Contract HK/2009/02 around the concerned location during the time of measurement while breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related.
X_10N190	8-Dec-15	16:18	M1a-Habour Road Sports Centre	83	Leq(30-min)	when one documented complaint was received.	75	Possible reason: Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor. Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Remarks / Other Obs: Breaking works was conducted under Contract HK/2009/01 at Area 8 (West of Wan Chai Ferry Pier) during the time of measurement and mitigation measures including provision of noise screen and noise barrier was implemented. Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related.
X_10N192	11-Dec-15	10:05	M6 - HK Baptist Church Henrietta Secondary School	68	Leq(30-min)	when one documented complaint was received.	65	Possible reason: Traffic nearby was observed during monitoring and was considered as the major noise contribution. Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Remarks / Other Obs: No construction work was conducted under Contract HY/2009/19 around the concerned location during the time of measurement and it was observed that traffic noise was a major noise source during monitoring. It is concluded that the exceedance was not due to project but to traffic noise nearby.



Ref. No.	Date	Time	Location	Construction Noise Level	Unit	Action Level	Limit Level	Follow-up action
X_10N193	15-Dec-15	13:27	M1a-Habour Road Sports Centre	84	Leq(30-min)	when one documented complaint was received.	75	Possible reason: Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor. Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Remarks / Other Obs: Bored Pilling works and ground investigation works at portion 5 and backfilling at portion 2 were conducted under Contract HK/2009/02 around the concerned location during the time of measurement while breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related.
X_10N194	15-Dec-15	13:27	M1a-Habour Road Sports Centre	84	Leq(30-min)	when one documented complaint was received.	75	Possible reason: Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor. Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Remarks / Other Obs: Bored Pilling works and ground investigation works at portion 5 and backfilling at portion 2 were conducted under Contract HK/2009/02 around the concerned location during the time of measurement while breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related.
X_10N196	16-Dec-15	9:40	M6 - HK Baptist Church Henrietta Secondary School	69	Leq(30-min)	when one documented complaint was received.	65	Possible reason: Traffic nearby was observed during monitoring and was considered as the major noise contribution. Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Remarks / Other Obs: No construction work was conducted under Contract HY/2009/19 around the concerned location during the time of measurement and it was observed that traffic noise was a major noise source during monitoring. It is concluded that the exceedance was not due to project but to traffic noise nearby.
X_10N197	23-Dec-15	13:42	M1a-Habour Road Sports Centre	84	Leq(30-min)	when one documented complaint was received.	75	Possible reason: Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor. Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Remarks / Other Obs: Bored Pilling works and ground investigation works at portion 5 and backfilling at portion 2 were conducted under Contract HK/2009/02 around the concerned location during the time of measurement while breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related.
X_10N198	23-Dec-15	13:42	M1a-Habour Road Sports Centre	84	Leq(30-min)	when one documented complaint was received.	75	Possible reason: Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor. Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Remarks / Other Obs: Excavation works was conducted under Contract HK/2009/01 at Area 8 (West of Wan Chai Ferry Pier) during the time of measurement while breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre directly opposite to the monitoring station) under non WDII-CWB Contractor was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related.



Appendix 9.1

Complaint Log



Environmental Complaints Log

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
110723a	23/07/2011	Ms. Law at Victoria Centre by ICC no. 1-303887687	North Point	She concerned that Highways Department published a notice in their Management Office about construction works will be conducted from 0700 hours to 2300 hours during July to December 2011 including Saturday, Sunday and public holiday.	1) It was referred by AECOM to ET on 28 July 2011 2) RSS confirmed that the notice was prepared by Victoria Centre 'a Management office to their resident and the advice was only given on the extension construction works (for Contract HY/2009/15) to 7am-9pm Monday to Saturday except Public Holidays and Sundays. 3) As a mitigation measure to minimize the noise nuisance in the vicinity of the residents, rock breaking activities will be started at 8am and is expected to be completed by mid-August 2011. 4) No noise exceedance was recorded at construction noise monitoring station at Victoria Centre on 19 and 25 July 2011 during daytime and evening time period while breaking and excavation works were observed during monitoring. 5) In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	Closed
110723b	23/07/2011	Ms. Yau at Block 2, Victoria Centre by ICC no. 1-304013959	North Point	Reclamation work was conducted at Causeway Bay Typhoon Shelter at 7am on 23 July 2011. She complained that the works shall be started later to minimize the noise nuisance to the vicinity of the residents in early morning	1) It was referred by AECOM to ET on 8 August 2011 2) RSS confirmed to start the rock breaking activities for Contract HY/2009/15 at 8am as a mitigation measure to minimize the noise nuisance in the vicinity of the residents. 3) With reference to the construction noise monitoring at Victoria Centre, no exceedance was recorded on 19 and 25 July 2011 during daytime while breaking and excavation works were undertaken during monitoring 4) In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	Closed
110727a	27/07/2011	Mr. Law from Victoria Centre Management Office by ICC no. 1-304616162	North Point	It was complained by Mr. Law from Victoria Centre Management Office on 27 July 2011 regarding construction noise generated by the construction operations of	1) It was referred by AECOM to ET on 28 July 2011 2) RSS confirmed to start the rock breaking activities for Contract HY/2009/15 at 8am as a mitigation measure to minimize the noise nuisance in the vicinity of the residents. 3) No noise exceedance was recorded at construction noise monitoring station at Victoria Centre on 25 July and	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				Central-Wanchai Bypass at noon rather than in morning at 7am.	4 August 2011 during daytime and evening time period while breaking and excavation works were observed during monitoring. 5) In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. No further complaint from complainant was received after proposed the mitigation measure.	
110727b	27/07/2011	Ms. Chiu by ICC no.1-304615409	North Point	Noise nuisance from the excavation works for the Highways Department adjacent to the Victoria Centre was conducted from 7am	1) It was referred by AECOM to ET on 28 July 2011 2) With reference to the construction noise monitoring at Vitoria Centre, no exceedance was recorded on 25 July and 4 and 10 August 2011 during daytime while breaking and excavation works were undertaken during monitoring. 3) As a mitigation measure to minimize the noise nuisance in the vicinity of the residents, rock breaking activities will be started at 8am.	Closed
	07/08/2011				4) However, complainant did not satisfy with the response on the noise nuisance from the rock-breaking during morning in front of Victoria Centre and then further complaint via 1823 on 7 August 2011. 5) Highways contacted the complainant on 15 August 2011 that the noisy rock breaking operation had been completed. <i>Remarks: There will be counted as two complaints in this complaint log.</i>	
110730	30/07/2011	Mr. Tsui by ICC no. 1-305074350	Central	Construction noise generated by operations of Central-Interchange which is near the spa room at Four-Season Hotel. Also, the complaint enquired the commencement time of the construction on Saturday.	1) It was referred by AECOM to ET on 1 August 2011. 2) RSS confirmed that noisy plants from 2 vibratory hammers have been conducted in alternating manner for piling and drilling works for diaphragm wall construction. 3) With reference to the construction noise monitoring at IFC Western End of Podium, no exceedance was recorded on 4 August 2011 during monitoring while sheet piling works were undertaken during monitoring. 4) In order to reduce the noise impact to nearby noise sensitive receivers, Contractor has been implemented the following noise mitigation measures: - Erection of acoustic lining at the hoarding next to Four Seasons Hotel; - Temporary noise barrier with extended acoustic lining; - Reduced in plant such that only have one vibration hammer operating at the west side near Four	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Seasons Hotel instead of 2 5) In conclusion, it was related to the construction works under Contract HY/2009/18 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	
110810	10/08/2011	Mr. Yip by ICC no. 1 – 306740207	North Point	Muddy water was discharged from work site to the seafront near Oil Street during heavy rain. The environmental protection measures were not good enough and are needed to rectify.	1) It was referred by AECOM to ET on 17 August 2011. 2) Confirmed with RE, Muddy water was caused by a heap of earth being washed to the sea by heavy rain. The heap of earth was referred as a small stockpile placed close to the seafront in front of Oil Street within the site area under handover transition period from contract HY/2009/11 to contract HY/2009/19. The necessary mitigation measures to protect the small stockpile against rainfall were missing at the time of complaint. 3) Due to the missing of mitigation measures to protect the small stockpile during handover transition period, loose material was washed into the harbour when heavy rain came. Muddy water was formed and dispersed in the sea that caused the water quality and visual concern to the public. The complaint was considered as valid. 4) Contractors were advised to relocate the loose materials away from the coastline as far as practicable. Any loose material placed which needed to be placed near the coastline shall be properly compacted or covered as appropriate. To avoid any further environmental deficiency, Contractors shall ensure all necessary environmental mitigation measures will not be missing during site area handover.	Closed
110817	17/08/2011	ICC no. 1-307657681	North Point	Visual impact generated by light from a large amount of spot-lights on the barge during mid-night nearby City Garden.	1) It was referred by AECOM to ET on 23 August 2011 2) RSS confirmed that some non-essential lights were turned on during night-time period which caused the nuisance to the nearby residents. In addition, absence of lighting shields at flood lights results in visual glare to the complaint at night-time. 3) Follow-up action had been taken by contractor that switches off all non-essential lights to minimized nuisance to the nearby residents. The complainant satisfied to the practice and no further complaint was received after that.	Closed
110826	26/08/2011	Grand Hyatt and a complainant by ICC	Wan Chai	Construction noise and vibration nuisance generated from the works at Convention Avenue and inside the HKCEC1	1) Confirmed with the Resident Site Staff that the construction works were referred to the Contractor HK/2009/01. 2) The Excavator mounted breaker at Convention Avenue	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				reclamation area.	and Drilling rig at HKCEC1 reclamation area were the dominant construction noise source during this period. 3) The drilling rig at HKCEC1 reclamation area and excavator mounted breaker at Convention Avenue were then temporary suspended after received the complaint. 4) Investigation revealed that the erected noise barrier (4m cantilevered movable noise barrier for the drilling rig and 1m movable noise barrier for the excavator mounted breaker) were not located close to the plants to provide adequate noise screening. 5) Contractor was advised to avoid concurrent operation of construction plants at site. Further enhancement of movable noise barriers at HKCEC1 and providing noise enclosure for the excavator mounted breaker at Convention Avenue are needed. 6) Further site investigation and checking on 31 August and 7 September 2011 revealed that the implemented noise mitigation measures were in proper and minimize the noise impact.	
110826A	26/08/2011	A complaint letter from Mr. Au of Cayley Property of City Garden	North Point	Harbor front adjacent to their water intake suction which caused 3 times of system breakdown of the sea water pump on 9, 22 and 25 August 2011.	1) It was referred by AECOM to ET on 29 August 2011 2) Confirmed with the Resident Site Staff that the construction works were referred to the Contractors HY/2009/11 and HY/2009/19. 3) The pump is located on the site area of HY/2009/19 4) A temporary garbage defender was installed on 23 July 2011 by HY/2009/11 and the shape of the defender was adjusted on 8 August 2011 in order to exclude the outfall. 5) An ad hoc inspection of the effectiveness of garbage defender was conducted with RSS (CWB project team), contractor of HY/2009/11 and HY/2009/19 and IECon 29 August 2011. Inspection report of it was submitted to RSS on 19 September 2011. 5) Daily cleaning near the water intake was conducted twice a day by contractor HY/2009/19. 6) In response to City Garden request, the contractors have set up the temporary garbage defender in function and collect the floating refuses, but cannot eliminate all refuses, in particular the refuse come from sea bed from entering the intake. 6) According to the complaint letter from Cayley Property, the outcomes of the preventive measures were not complying with their expectation. 7) During on-site inspection, floating refuses observed	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					occasionally outside the garbage defender. No conclusion could be made for the source of these floating refuses. On the other hand, some of the floating refuses were observed immigrating in the protective zone during investigation 8) All daily cleaning actions had been taken by contractor to minimize floating refuse inside the construction site. It was noted that the intake (land side) is open access to public, so that many activities such as fishing, feeding fish were conducted there even though a notice has already hoisted. Also, tripping of rubbish by the passers-by could result in a lot of rubbish accumulated around the intake point. 9) Referring to the record provided by CPML, there were a lot of nylon/ plastic bags and nylon wire mesh that matched those rubbishes generated from the public activities. 10) Contractors have fulfilled the requirement of site cleanness and no exceedance was recorded during Water Quality Monitoring. It is consider the cause of this complaint is not related to project and environmental issue in this project as well. No more complaint received after ad-hoc inspection	
111014	14/10/2011	The complainant, Ms. Tam complained via hotline 1823	Wan Chai	The polluted fumes and exhaust from the excavation by sub-contractor of CEDD on pedestrian way outside no.25 Harbour Road (in front of the Harbour Centre)	1) RSS notified ET to carry out investigation on 17 October 2011. 2) ET confirmed with the Resident Site Staff that the location of the excavator was within site area of Contract no. HK/2009/02 undertaking the water cooling main reprovision works along the Harbour Road. The plants including the excavator have been checked before using at the site. However, the polluted fumes and exhausted from the excavator was caused due to insufficient maintenance of the plant after using at site. 3) After receiving the complaint, the excavator was then removal off-site for checking and maintenance works on 17 October 2011. 4) Contractor was reminded to enhance regular checking and maintenance to all plants at site. 5) RSS has replied to the complainant on the arrangement of the measures taken on 17 October 2011. Complainant was satisfied with the response and follow-up action taken by the Contractor.	Closed
111104	04/11/2011	Mr. Liu from	Wan Chai	Complain about a tree near the	1) ET confirmed with the Resident Site Staff that	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
		LCSD complained via Contractor Complaint Hotline		site of pipe installation works outside Wan Chai Swimming Pool at Harbour Road, the status is not healthy and roof ball of two trees inside the site near Renaissance Hong Kong Harbour View Hotel at Convention Avenue were half cut.	- A tree near the site of pipe installation works outside Wan Chai Swimming Pool at Harbour Road is the Tree no. TA1122 under Contract no. HK/2009/02. Leaves of a branch of this tree were shrivelled. - Two trees inside the site near Renaissance Hong Kong Harbour View Hotel at Convention Avenue are the tree nos. A160 and A161 under Contract no. HK/2009/01. Part of roof ball of these two trees was covered by the metal plate. 2) Independent Tree Specialists for these two inspected the trees. Contractor HK/2009/01 has taken the measure as recommend downgrading the soil level around the trunk base. Reinstating of the ground works will be conducted in mid-December 2011. For the tree no. TA1122 under Contract no. HK/2009/02, the brown leaves were removed and fenced the tree with orange net is provided to prevent damage of tree trunk by construction works. The distance between the tree and the edge of the trench is kept approximate 2m. Two Contractors were reminded to carry out regular watering to the trees within their site area.	
111106	06/11/2011	Police officer	Wan Chai	Construction noise generated from the site at about 6:30 a.m on 6 November 2011 and require to stop the machine operation	1) According to the information reported by Contractor, one BC cutter and hoist were operated for Diaphragm Wall construction of Shatin-Central Link to inspect bentonite pipes and ensure no damages and all the joints are tightened in good position. Then, the subcontractor for Diaphragm wall, SAMBO Korean foreman stopped the engine of the BC cutter immediately. The police officer recorded the details and HKID number of the foreman and then left. Due to the different language communication between the police officer and the Korean foreman, no CNP was checked by the police officer. 2) ET confirmed with the Resident Site Staff that same issue was also raised out by RSS at about 7:00a.m on the same day. Besides, it was confirmed that there is no valid Construction Noise Permit for the conducted construction works in the period between 2300 and 0700. 3) Due to insufficient communication between Contractor HK/2009/01 and their Korean Sub-contractor, Korean Sub-contractor had not notified to Contractor before carrying out the inspection of the BC cutter, hoists and	Closed



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					bentonite pipes at about 6:00a.m to ensure no damages and all the pipe joints should be tightened and in good position. 4) Contractor was advised to enhance the communication between Contractor and sub-contractor and provide sufficient environmental training to all foreman and operators on restricted hour operation. Furthermore, Construction Noise Permit should be checked and in place for the construction works during restricted hour 5) This complaint was considered in relation to the conducted construction works during restricted hours without valid Construction Noise Permit. No more construction works were conducted during night time period. The construction works will be conducted in accordance with the time period stated in valid CNP. This complaint will be kept in view of any follow-up action from the relevant government activities.	
111212	12/12/2011	The complainant, Mr Tsui from IFCII's management office complained via hotline 1823	Central	A visual impact complaint from hotline 1823 was received by ET on 9 January 2011 (ICC Ref. No.: ICC#1-333037096 dated on 12 December 2011). The complaint, Mr Tsui was reported that visual nuisance caused by lighting in the construction site during night time.	1) RSS notified ET on 9 Jan 2012. 2) ET confirmed with the Resident Site Staff that A joint inspection was conducted by Mr Tsui and contractor on that night to see whether there is any improvement. 3) Due to safety reason, igniting enough lights should not be avoided in construction site. However, the light sources were not directed away from pointing to the sensitive receiver and results in visual glare to the complaint. 4) Confirmed with the Resident Site Staff the complainant was satisfied the new arrangement of the lights with contractor after the joint inspection. No further complaint received after that.	Closed
111220	20/12/2011	The complainant, Ms. Poon complained via hotline 1823 (ICC Ref. No.: ICC#1-334683841)	North Point	Construction air and noise nuisance generated that many trucks carrying construction materials driving along Watson Road and Oil Street and possibly entering/leaving the construction site near the IEC during 0800 to 1900 hours.	1) RSS notified ET on 22 Dec 2011. 2) ET confirmed with the Resident Site Staff that the complainant cannot identify whether the trucks were working under the CWB project or not. 3) The dominant construction air and noise nuisances were emitted by the trucks along Oil Street and Waston Road, however, this is the public road for all vehicles. Reviewing the air quality monitoring and noise monitoring results. No exceedance was recorded during this period. 4) Confirmed with the Resident Site Staff that they provided a contact no. for any future enquiries regarding	Closed



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					CWB project to the complainant and she was satisfied on the arrangement and no further complaint was received after that.	
111230	30/12/2011	Residents of Harbour Heights	North Point	Construction air and noise nuisance generated by construction vehicles were found parked illegally at King Wah Road and lining up at Oil Street without the engine turning off.	1) RSS notified ET on 6 January 2011. 2) ET confirmed with the Resident Site Staff that a number of construction activities are concurrently proceeding in the vicinity of Oil Street, King Wah Street and a private development project in King Wah Street 3) The dominant construction air and noise nuisances were emitted by the trucks along Oil Street and King Wah Road, however, this is the public road for all vehicles. Reviewing the results of air quality monitoring station (CMA1b) and noise monitoring (M4b). No exceedance was recorded during this period. Site inspections for HY/2009/19 were conducted on 4 January 2012. The condition of the site access at Oil Street and the public road nearby were found satisfactory. It is noted that HyD also allow and encourage their contractors to maximize the use of marine access, where available, to work sites, so as to minimize burdening nearby public roads. When land trips are unavoidable, they require contractors to tidy up their construction vehicles before leaving works sites. No contractor under CWB project parked their vehicles illegally at King Wah Street, and HyD still reminded them not to commit such offence. 4) According to HyD's staff replied the complaint letter on 10 January 2012, there is a private development project under construction at King Wah Road. To access these works sites, construction vehicles have to use public roads nearby. No further complaint received after HyD's reply.	Closed
120118	18/01/2012	N/A	North Point	A complaint regarding a tree located in front of Victoria Centre under IECL was covered by one meter mud without any protection. The complainant concerns the health of the tree in such condition.	1) RSS notified ET on 20 January 2012. 2) ET confirmed with the Resident Site Staff that The tree is inside the site area of HY/2009/19 and The Botanical name of the tree is Ficus superba var. japonica and the I.D. of the tree is UT48 3) According to the information provided by RSS on 20 Jan 2012, the tree shall be felled that has been approved by DLO on 29 August 2011. Moreover, the tree was felled	Closed



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					by contractor on 19 January 2012. 4) No further complaint received after HyD's reply.	
120305	03/03/2012	Resident of Harbour Heights complained via hotline 1823 (ICC Ref. No.: ICC#1-344632511)	North Point	A complaint regarding excessive noise from construction sites of CWB was observed outside Harbour Heights from Monday to Saturday before 8am. The plants were frequently turned on before 7:30am creating nuisance. The complainant requested a speedy follow-up and reply from relevant department.	1) RSS notified ET on 5 March 2012. 2) ET confirmed with the Resident Site Staff that PME for diaphragm wall construction started to operate at about 7:30am whilst the other PME, including those for land bored piling work, started to operate after 8am. 3) After reviewing the results of noise monitoring (M4b), no exceedance was recorded during daytime period and the noise level were below 75dB(A). Site inspection for HY/2009/19 was conducted on 7 March 2012. The condition of noise mitigation measures near Harbour Heights was found satisfactory. RSS confirmed that no operation was active before 7:00am everyday. The suspected nuisance was to be considered caused by the PME for diaphragm wall construction. A surprise check was performed on 13 March 2012 by RSS. It was found that no noisy PME was in operation by Contractor of HY/2009/19 before 8am, and the construction noise level was minimal and not disturbing. The noise level and operation time both complied with statutory requirements set up in NCO. 4) Complainant called ICC on 8 March 2012 to confirm HyD has provided a response. No further complaint was received after the response.	Closed
120405	05/04/2012	N/A	North Point	A complaint regarding excessive noise from construction sites of CBTS was observed daily before 7:30am except on public holidays, and the noise source was mainly from piling works. The complainant requested that construction works should start after 8:30am to avoid nuisance to nearby residents and a speedy follow-up and reply.	1) RSS notified ET on 5 April 2012. 2) ET confirmed with the Resident Site Staff that no piling works were performed during the concerned period. 3) After reviewing the results of noise monitoring (M2b and M3a), no exceedance was recorded during daytime period and the noise level was below 75dB(A). Site inspection for HY/2009/15 was conducted on 10 April 2012. The condition of noise mitigation measures around CBTS was found satisfactory. RSS confirmed that no pilings were performed during the concerned period. The major works included drilling, diaphragm wall construction and excavations. 4) HyD made a reply to the complainant on 16 April	Closed



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					2012 via 1823. HyD replied that the current works at CBTS were drilling, diaphragm wall construction and deep excavations. In order to minimize the noise generated from the above works, the Contractor had erected temporary noise barriers and provided noise blankets on plants. RSS would continue to work with the Contractor on the effectiveness of the environmental mitigation measures implemented on site. No further complaint was received after the response.	
120415	15/04/2012	The complainant Ms. Law, resident of Fu Lee Loy Mansion, complained via hotline 1823 (ICC Ref. No.: 1-351021108)	North Point	A complaint regarding excessive noise generated from a HyD project that is located at the connection point of CWB and IEC affecting nearby residents. Lately during the middle of the night (around 00:00 to 05:00), low frequency noise, which possibly came from the operating power generator and the barges which were parked along the Oil Street work site, were making a nuisance to the complainant and residents nearby. The complainant requested that relevant department should follow-up.	1) RSS notified ET on 17 April 2012. 2) ET confirmed with the Resident Site Staff that there was no operation of power generators for HY/2009/19 and HY/2009/17 (HY/2009/11 had no physical work on site) during the concerned period. Although there were a few barges mooring at the seafront of HY/2009/19, they were not in operation and hence no operational noise would be emitted. 3) After reviewing the results of noise monitoring (M4b and M5b), no exceedance was recorded during day time period and the noise level was below 75dB(A). Site inspection for HY/2009/19 was conducted on 18 April 2012. The condition of noise mitigation measures near Harbour Heights were found satisfactory. RSS confirmed that no operation of power generators for HY/2009/19 and HY/2009/17 (HY/2009/11 had no physical work on site) during the concerned period. Although there were a few barges mooring at the seafront of HY/2009/19, they were not in operation and hence no operational noise would be emitted. 4) HyD made a reply to the complainant on 30 April 2012 via email. HyD replied that the current works near Oil Street, North Point, included CWB tunnel works, IEC connections and associated foundation works. According to RSS records, no operations were performed during the early hours of March and April at Oil Street and the waterbody nearby, and so it was believed that the noise nuisance was not generated from the CWB project. Despite that, RSS would continue to monitor the Contractor on the operations and effectiveness of the environmental mitigation measures implemented on site, as not to affect daily life of local residents nearby. No further complaint was received after the response.	Closed



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130308	06/03/2013	ICC Case#1-407181502	Tin Hau	A complaint regarding the dropping of fine rock material into surrounding waterbody was observed during rock breaking operation with two excavators in active operation at the Eastern Breakwater of Causeway Bay Typhoon Shelter near the North Point lighthouse.	1) RSS notified ET on 8 March 2013 2) ET confirmed with RSS that excavation works, installation of buoy, flashing light and silt curtain and dredging works were undertaken at Eastern Breakwater during the concerned period on 6 March 2013. One backhoe equipped with breaker and one derrick barge were confirmed in operation while another backhoe was at idle during the concerned period on 6 March 2013. 3) Reviewing the photo record provided by RSS, the condition of the silt curtain deployed around the Eastern Breakwater on 6 March 2013 was found to be in good condition. It is considered that the silt curtain was properly in place during the concerned period and the concerned act of dropping of fine rock material was confined within the silt curtain boundary without adverse impact to the nearby water quality. Further follow up was conducted on 12 March 2013 during weekly environmental audit inspection, the silt curtain deployed around the concerned area was found to be maintained in good condition and the water quality at the concerned work area was generally satisfactory. No violation of the Environmental Permit condition was found. The contractor was advised and committed to implement preventive measures to minimize the potential impact of work including conducting regular diver check to ensure the integrity and the extend of silt curtain deployment and to provide adequate back up stock of silt curtain for emergency use.	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
130606	30/5/2013	ICC Ref. No.: #1-430164728	Central – Man Kat Street	1. A number of trees (approximately more than ten) along Man Kat Street were found to be in poor health condition with withered and yellow leaves. The complainant has requested a follow-up by relevant department.	1) RSS notify ET on 6 June 2013 2) ET confirmed with the Resident Site Staff that According to the information provided by RSS, 13 no. of the trees - Roystonea regia (T1674, T1675, T1676, T1677, T1678, T1679, T1680, T1681, T1683, T1644, T1643, T1641, T1639) at the concerned location raised by the complainant was found to be with withered and yellow leaves and 1 no. of tree- Khaya senegalensis (T1712) raised by the complainant was found to be in poor health condition. No construction works was undertaken by Contract HY/2009/18 at the concerned planter area where the affected trees are located. It was also observed that an active CEDD construction works area under a separate contractor not related to Central Wan Chai Bypass Project was found to be located within the concerned planter area. 3) A follow-up joint inspection with RSS and Landscape specialist was conducted on 10 June 2013, it was considered that the withered and yellow leaves of the affected trees (T1674, T1675, T1676, T1677, T1678, T1679, T1680, T1681, T1683, T1644, T1643, T1641, T1639) at the concerned planter area were contributed by natural life cycle of the affected trees and the health condition of the affected trees were considered to be fair. It was also noted that an active CEDD works area was located within the concerned planter area in close proximity to few of the concerned trees (T1644, T1643, T1641, T1639) According to tree inspection records from Jan 2013 to May 2013 confirmed by RSS (Document Ref: CI-F1-043b, CI-F1-044b, CI-F1-045b, CI-F1-046b, CI-F1-047b), the affected tree (T1712) at the concerned planter area was considered to show sign of withering and considered to be in poor health condition in latest tree survey report confirmed by RSS.	Closed



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					During the follow-up inspection on 10 June 2013, It was observed that construction material and oil drum were placed near the the roots area of other trees within the CEDD works. Despite the above observation, no direct evidence was found on site which indicates the work front have contributed to the poor health condition of the affected tree (T1712) at the time of investigation. 4) The relevant contractor have removed the construction material near the root area of the trees retained on site and conduct pruning to remove the withered and yellow leaves retained on tree trunk to minimize impact on the trees appearance.In addition, safety supporting wire was provided for concerned tree (T1712) 5) ET recommended the contractor to keep in view the health condition of the concerned tree (T1712) and apply permission for tree felling together with tree compensation plan if considered necessary. Furthermore, the contractor was reminded to implement regular checking of tree health condition and regular removal of withered leaves to maintain the overall tree appearance.	



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130611	30 May 2013 and 1 June 2013	EPD Ref.:H04/RS/0001 1587-13	Area near Central Pier	1. Noise was emanated from the construction site near the Central Piers at around 0900 hrs on 30 May 2013 and other days and requested follow up action by relevant department.	1) RSS notify ET on 11 June 2013 2) ET confirmed with the Resident Site Staff that According the information confirmed by RSS, major noise generating construction activities undertaken at works area near Central Pier during the concerned time include - Breaking up existing D-wall concrete and excavation at portion 4B and 4C - Sheet piling works at Portion VI (Man Kat Street) 3) Total 1 no. of Backhoe with breaker, 1 no. of Backhoe with vibratory hammer and 4 no.s of pneumatic breakers were deployed for the above construction activities. Reviewing the noise monitoring data at monitoring stations (M7e- International Finance Centre Eastern End of Podium and M7w- International Finance Centre Western End of Podium), no limit level exceedances were recorded during routine noise monitoring event on 28 May 2013 and 03 June 2013. As similar construction works activities conducted on 30 May 2013 was continued across the above monitoring period, the noise emanated from the construction activities under Contract HY/2009/18 was considered to complied with the statutory requirement. In addition, weekly environmental site inspection was conducted on 30 May 2013 at around 10:00. According to the inspection record, no particular observation regarding noise impact was recorded and the mitigation measures including erection of of temporary noise barrier was observed in place. As such, no direct information associated with the noise concerned raised was considered available and no non-conformity was identified. 4) ET recommend the contractor to review the need of additional noise mitigation measures to further reduce the noise enmated during construction works for pier side public area.	Interim report submitted to EPD on 19 June 2013, EPD advised no further comment on 5 Aug 2013 and final report for case closing submitted on 6 Aug 2013.



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131010	03 Oct 2013	ICC Ref: No.1-467000768	Area between Central Pier and International Finance Centre	Noise and air quality impact was experienced at the area located between IFC and Central Pier during peak hours.	ET confirmed with the Resident Site Staff that 1) The major construction activities at the concerned location conducted over the past three months include; - Formwork, rebar and concreting - Backfilling - Water-proofing - Scaffolding erection 2) Mitigation measures implemented by the Contractor for the above construction works include - Select quiet plant and work methods; - Check plant and equipment for condition; - For use of powered mechanical equipment during restricted hours: Obtain necessary Construction Noise Permit and strictly comply with their conditions; - Frequently spray water to major haul road and stockpiles to suppress dust generation; and - Cover stockpiles with impervious sheets The construction activities including backfilling, concreting and other associated tunnel works were undertaken in the past three months. Having reviewing the monitoring data of the monitoring stations in the vicinity of the concerned location raised by the complainant, namely monitoring station M7e and M7w (Noise Monitoring Station) and MA1e and MA1w (Air Monitoring Station), no action or limit level exceedance was recorded. In addition, mitigations measures including water spraying and erection of noise barrier were observed during weekly site inspection in August and September 2013 and reminders on dust mitigations measures given during weekly site inspection to the contractor were rectified. As such, the construction activities under Contract HY/2009/18 were considered in compliance with the statutory requirement and no cumulative air/ noise quality impact was observed in the past three months.	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Elevated noise level at monitoring station M7e (International Finance Centre East Podium) was noted on 24 September 2013. The Contractor is recommended to review the current measures and to implement additional noise mitigation measures to further avoid potential impact to nearby public area during construction works.	
131217	16 Dec 2013	ICC Case Ref.: 1-484998552	Victoria Park near Hing Fat Street Exit	Sweeping of muddy water into public drains.	ET confirmed with the Resident Site Staff that 1)The major construction activities around the concerned location conducted on 16 Dec 2013 a.m.includes: -Preparation work of rootball for tree transplanting According to the information provided by RSS, the construction activities around the concerned location on 16 Dec 2013 include preparation work of rootball for tree transplanting at Zone 17/18. A further investigation on the complaint was conducted on 19 Dec 2013 during weekly environmental inspection. It was observed that a tree worksarea comprised of mainly loosen soil was located near the concerned location. It was considered that the inclined surface and loosen soil nature of the concerned worksarea could have led to the muddy surface runoff in rain. Deposition of muddy runoff onto nearby public pavement outside worksarea was hence resulted and was subsequently cleaned into nearby public stormwater drain by the Contractor's workers on the complaint date. As such, the case was considered as works related. Sandbags, geotextile and gravels were immediately placed by the Contractor around the gullies at the concerned location to prevent leftover muddy runoff to the public stormwater drain as observed during the weekly inspection on 19 Dec 2013. With respect to the follow-up raised by the complainant on 19 Dec 2013, sandbags, geotextile and gravels placed at gullies located at public area were removed by the Contractor on the same day for maintaining passible public pavement. Follow up measures including sandbag bundle and covering of worksarea with impervious sheeting was immediately placed at the source of impact at the concerned worksarea boundary by the Contractor.	Final investigation report issued on 20 Dec 2013. Case closed on 3 Jan 2014.



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131224	24 Dec 2013	(ICC Case Ref.: 1-486434321	Victoria Park Children Playground	Odour and large amount of dust particles affecting the public user of the Victoria Park near Children playground	ET confirmed with the Resident Site Staff that 1) The major construction activities around the concerned location conducted on 24 Dec 2013 include: - Breaking up existng pillar box for new children playground Portion II - Pressing of sheet pile at bowling green for ELS works Portion XII - Welding work for preparation of sheetpiling work at bowling green Portion VI - Demolition of existing pavilion for bowling green Portion VI -Felling of tree TA50 at Victoria Park Zone 2) Mitgitation measures implemented by the Contractor for the above construction works include -Water spraying for demolition and other dust generating works. According to the relevant site records, breaking up of existng pillar box, pressing of sheet pile, welding work for preparation of sheetpiling demolition of existng pavilion and felling of tree TA50 at Victoria Park Zone 13 were conducted at the concerned location during the time of complaint. Based on information and photo record provided by the RSS, dust mitigation measures including water spraying during dust generating works were implemented by the Contractor at the concerned location on 24 Dec 2013. Follow-up investigation was conducted on 27 Dec 2013 during weekly environmental inspection, dust mitigation measures including water spraying to dusty area and major dust generation works were confirmed in place despite a general reminder was given to the contractor to enhance the water spraying to dusty haul road during dry season. Based on on-going site inspection and the follow-up investigation, the site condition was considered generally satisfactory and no non-conformance was identified. Upon further review on the supplementary information provided by the complainant on 31 Dec 2013 and investigation conducted on 2 Jan 2014, the tree felling work of tree TA50 was located nearest to the location of the complainant. According to the location plan provided by the RSS and on site investigation, the tree felling work	Case closed and full investigation report issued on 3 Jan 2014.



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					for TA50 was immediately in front of the location of the complainant. Based on site observation, scrap material of bark and leaves inevitably generated from cutting of branches during tree felling work was considered to be the most probable cause for the observation raised by the complainant at the concerned location on 24 Dec 2013. Furthermore, welding work was observed near the concerned location and was considered to be the potential source for the smell and exhaust fumes as described by the complainant. Notwithstanding the above, welding work was not identified as a work activity with air quality impact under Project EIA report but it would be desirable to implement preventive measures to minimize potential nuisance to nearby public.	
140123	22 Jan 2014	ICC Case Ref.:1-494077682	Causeway Bay Typhoon Shelter	Construction works have been undertaken during restricted hours until 2300 hrs and occasionally the working hours were extended to around 0100 hrs at nighttime period over the last two to three months at a construction site located within Causeway Bay Typhoon Shelter. For instance, concreting and excavation works were conducted at the concerned location on 22 Jan 2014 during nighttime hours and generated noise impact to the complainant.	ET confirmed with the Resident Site Staff that No construction activity was undertaken at workzone TS1 under HY/2009/15 within Causeway Bay Typhoon Shelter after 1900 hrs on 21 Jan 2014. No construction activity was undertaken at workzone TS3 under HY/2010/08 within Causeway Bay Typhoon Shelter after 1900 hrs on 21 Jan 2014. Concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter from 1900 to 0000 hrs on 21 Jan 2014; Total 8 no.s of concrete lorry mixers, 1 no. of water pump, 2 no.s of concrete pumps (lorry mounted), 1 no. of mobile crane QPME (diesel) and 3 no.s of vibratory pokers were operating from 1900 to 0000hrs on 21 Jan 2014. Concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter from 0000 to 0700 hrs on 22 Jan 2014; Total 1. no of concrete lorry mixer, 1 no. of water pump, 1 no. of concrete pump (lorry mounted), 1 no. of vibratory poker were operating from 1900 to 0000hrs on 22 Jan 2014	Case closed and full investigation report issued on 4 Feb 2014.



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					According to the relevant site records, from 1900-0000hrs on 21 Jan 2014, concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter. Total 8 no.s of concrete lorry mixers, 1 no. of water pump, 2 no.s of concrete pumps (lorry mounted), 1 no. of mobile crane QPME (diesel) and 3 no.s of vibratory pokers were operating at the above period. From 0000 to 0700 hrs on 22 Jan 2014, concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter. Total 1. no of concrete lorry mixer, 1 no. of water pump, 1 no. of concrete pump (lorry mounted), 1 no. of vibratory poker were found operating at the above period. After reviewing relevant photo records and information verified by RSS and the Construction Noise Permit (CNP) no.GW-RS1384-13, it was considered that several conditions of CNP GW-RS1384-13 were not fulfilled by the Contractor in particular for the item(s) below, No acoustic installation was provided for the relevant PME(s) used as stated in CNP condition 3.d.during the concerned concreting works. From 1900 to 2300 hours on 21 Jan 2014, the PME(s) used on-site did not comply with any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in CNP no.GW-RS1384-13. From 0000 to 0700 hours on 22 Jan 2014, the PME(s) used by the Contractor on-site did not comply with any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in CNP no.GW-RS1384-13. From 1900 to 2300 hours on 21 Jan 2014 and from 0000 to 0700 hours on 22 Jan 2014, PME (Concrete Lorry Mixer) was deployed by the Contractor without barge enclosure and was unable to comply with condition 3.a. in CNP no.GW-RS1384-13.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
140127	24 Jan 2014	ICC Case Ref.: 1-494612639	Works area adjacent to the Victoria Park Bowling Green	Noise generated from piling works conducted at the works area adjacent to the Victoria Park Bowling Green have created nuisance to the Bowling Green users.	ET confirmed with the Resident Site Staff that The major construction activities around the concerned location conducted on 23 Jan 2014 include: Pressing of sheetpile Ch.279-285 (RHS) and Ch.317 for ELS works on 23 Jan 2014. Splicing of sheetpile Ch.275-285 (LHS) for ELS works on 23 Jan 2014. Mitigation measures implemented by the Contractor for the above construction works include: Installation of acoustic panels along hoarding line at East Bowling Green; Installation of addition noise barriers on top of hoarding at East Bowling Green; Display of publicity notices along hoarding line; and No noisy work shall be carried out at the areas adjoining East Bowling Green as if there is any Bowling Green competition event to be held (i.e. Saturday afternoon). According to relevant site records, pressing of sheetpile Ch.279-285 (RHS) and Ch.317 for ELS works and splicing of sheetpile Ch.275-285 (LHS) for ELS works were conducted at the concerned location during the time of complaint. Based on the photo records and information verified by RSS, noise mitigation measures including installation of acoustic panels along hoarding line at East Bowling Green and installation of addition noise barriers on top of hoarding at East Bowling Green were implemented by the Contractor at the concerned location. Furthermore, no noisy work was conducted by contractor at the areas adjoining	Case closed and full investigation report issued on 6 Feb 2014.



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					East Bowling Green when there is any Bowling Green competition event to be held. Follow-up investigation was conducted on 29 Jan 2014 during weekly environmental inspection, noise mitigation measures including noise barriers and acoustic panels were confirmed in place and maintained in good condition. According to previous environmental inspections recorded in Jan 2014, no particular observation regarding the noise impact was recorded. As such, no non-conformity was identified.	
140311	27 Feb 2014	EPD Complaint Case (Ref:H04/RS/00 04232-14) received by ET on 11 March 2014	Central IFC Area	Excessive noise (from the operation of compressors, other heavy machinery and concrete breaking) was emanated from the construction site near IFC in daytime on 27 Feb 2014.	ET confirmed with the Resident Site Staff that The major construction activities at the concerned location conducted on 27 Feb 2014 (Daytime) include: Backfilling works between north wall and sheetpiles and for roof slab; Site hoarding removal; Formwork erection and removal works, falsework erection; Concrete breaking works at roof slab and base slab and breaking up of existing tunnel corner; Concreting works for profile barrier inside cut and cover tunnel; and Rebar fixing works and WVB basement remediation works. Mitigation measures implemented by the Contractor for the above construction works include: Use of quiet plants (air compressor with a Noise Emission Label of 99 dB(A)).	Interim report submitted to EPD on 18 March 2014, EPD advised no further comment on 26 March 2014 and final report for case closing issued on 26 March 2014



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					According to relevant site records, major noise emanating construction activities conducted around the concerned location on 27 Feb 2014 include concrete breaking works at roof slab and base slab and breaking up of existing tunnel corner and concreting works. Based on information verified by the RSS, noise mitigation measure including utilization of quiet air compressor with noise emission label of 99 dB(A) was implemented by the Contractor on the 27 February 2014 to minimize the potential noise impact. Having reviewed the monitoring data of the monitoring stations in the vicinity of the construction site near IFC, namely noise monitoring stations M7e and M7w, no limit level exceedances were recorded on 24 Feb 2014 and 4 March 2014 and the major concrete breaking works at the concerned location conducted on 27 February 2014 was continued across the above monitoring period. In addition, no particular observations regarding noise impact were recorded during weekly site inspection conducted on 27 Feb 2014. No non-conformity was identified. As such, the construction activities under Contract HY/2009/18 were considered generally in compliance with the statutory requirement. Nevertheless, in view of the concern regarding noise nuisance raised by public, it is considered desirable for the Contractor to review and strengthen the noise mitigation measures around the concerned location. Follow-up inspection was conducted during weekly environmental inspection on 13 March 2014, additional noise mitigation measure including erection of noise blanket for concrete breaking works were implemented by the Contractor to further minimize the noise nuisance to nearby public	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
140623	11 June 2014	EPD Complaint Case (Ref:H04/RS/00 013590-14) received by ET on 23 June 2014	Foot Bridge to Central Pier 7	Excessive Paint Spray Odour	A public complaint regarding odour concern referred by EPD was received by ET on 23 June 2014. The complainant reported that excessive paint spray odour was detected at the foot-bridge to the Central Pier 7. ET confirmed with the Resident Site Staff that spraying of waterproofing membrane (integritank) from Ch1700 to Ch1705 was conducted at roof slab Bay12 on 11 June 2014 and Screeding concrete placing from Ch1700 to Ch1683 was conducted at roof slab Bay12 on 11 June 2014 and Backfilling and removal of concrete blocks was conducted at roof slab Bay 11 and Bay 10-north on 11 June 2014 According to relevant site records, major construction activities conducted around the concerned location on 11 June 2014 include spraying of waterproofing membrane (integritank) from Ch1700 to Ch1705; screeding concrete placing from Ch1700 to Ch1683 and backfilling and removal of concrete blocks. Having reviewed the relevant information verified by RSS, the chemicals applied at the concerned area on 11 June 2014 are waterproof paint and paint adhesives. In view of the concern regarding odour nuisance raised by the public, it is considered desirable for the Contractor to review the application method for waterproof layer nearby public area to minimize the nuisance caused to the surroundings.	Preliminary report issued on 25 June 2014. Interim report submitted to EPD on 30 June 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Follow-up inspection was conducted during weekly environmental inspection on 26 June 2014, no further spraying works was conducted by the Contractor at the concerned area and no particular odour was observed at the concerned location.	
20140723	21 July 2014	ICC complaint (ICC Case Ref.: 2-341537112) received by ET on 23 July 2014	Area opposite to Ngan Tao Building	Noise nuisance due to works and machine at opposite project site during nighttime	A public complaint regarding construction noise impact referred by RSS was received by ET on 25 July 2014 (ICC Case Ref.: 2-341537112 dated 21 July 2014). The complainant reported that : At 00:57hrs on 21 July 2014, he could not sleep due to work and machine at the project site opposite to the building (Ngan Tao Building), where he was living, were still going on and in operation. Noise traveled to his flat despite it was some distance away. ET confirmed with the Resident Site Staff that dewatering works was conducted under HY/2009/19 at the works area at Watson Road from around 23:00hrs on 20 July 2014 to 01:00hrs on 21 July 2014. Total 1 no. of generator and 23 nos. of dewatering pumps were in operation. Mobilization of telescopic arm excavator to trailer truck was performed under HY/2009/19 at the works area at Watson Road from around 00:15hrs to 01:00hrs on 21 July 2014. Total 1 no. of telescopic arm excavator and 1 no. of trailer truck were in operation. According to the relevant site records under Contract HY/2009/19, from around 23:00hrs on 20 July 2014 to 01:00hrs on 21 July 2014, dewatering works was conducted under HY/2009/19 at the works area at Watson Road. Total 1 no. of generator and 23 nos. of dewatering pump were in	Final Investigation report (Issue1) issued on 31 July 2014. Final investigation report (Issue 2) based on further follow-up issued on 12 Aug 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					operation at the above period. In addition, mobilization of telescopic arm excavator to trailer truck was performed under HY/2009/19 at the works area at Watson Road from around 00:15hrs to 01:00hrs on 21 July 2014. Total 1 no. of telescopic arm excavator and 1 no. of trailer truck were in operation. After reviewing relevant records and information verified by RSS and the Construction Noise Permit (CNP) no. GW-RS0152-14, it was considered that the below condition of CNP no.GW-RS0152-14 was not fulfilled by the Contractor of HY/2009/19. From 00:15hrs to 01:00hrs on 21 July 2014, the PME(s) (1 no. of telescopic arm excavator and 1 no. of trailer truck) operated under the Contractor of HY/2009/19 on-site could not follow any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in no.GW-RS0152-14. Notwithstanding the above, according to the information provided by the RSS, the telescopic arm excavator was mobilized at night time hours with consideration that passage of vehicle with large plant & machinery through cross harbour tunnel shall be conducted after mid-night. the Contractor of HY/2009/19 was advised to review the need to renew relevant CNP for PME grouping with respect to specific site operation requirements such that the Construction Noise Permit would be followed. Furthermore, the Contractor of HY/2009/19 was suggested to review the arrangement for PME mobilization with maintenance need to be conducted within specific period allowed under the relevant CNP(s).	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20140801	30 July 2014	ICC complaint (ICC Case Ref.: 2-360638977) received by ET on 01 August 2014	Area opposite to Harbour Heights	Noise of sand and gravel movements at area opposite to the Harbour Heights	A public complaint regarding construction noise impact referred by RSS was received by ET on 01 Aug 2014 (ICC Case Ref.: 2-360638977 dated 31 July 2014). The complainant reported that at 01:20hrs on 30 July 2014, the complainant was woken up by the noise of sand and gravel movements at area opposite to the Harbour Heights. ET confirmed with the Resident Site Staff that EVB excavation was undertaken at the works area around Watson Road under HY/2009/19 before 23:00hrs on 29 July 2014. (Total 1 no. of excavator, 1 no. of dump truck, 23 nos. of underground dewatering pump and 3 nos. of generator were in operation). Dewatering works was undertaken at works area around Watson Road under HY/2009/19 from 23:00hrs on 29 July 2104 to 01:00 hrs on 30 July 2014. (Total 23 nos. of underground dewatering pumps and 1 no. of generator were in operation). Mobilization of PMEs was performed at works area around Watson Road under HY/2009/19 from 00:45hrs to 01:30hrs on 30 July 2014. (1 no. of excavation machine and 1 no. of dump truck were in operation). No other construction activity or operation was performed at the area opposite to Harbour Heights from 23:00hrs on 29 July 2014 to 01:00hrs on 30 July 2014 under HY/2009/19. According to the relevant site records, before 2300hrs on 29 July 2014, EVB excavation at the works area around Watson Road was conducted under HY/2009/19. (Total 1 no. of dump truck , 1 no. of excavator, 3 nos. of generators and 23 nos. of dewatering pumps were in operation at the	Final investigation report issued on 12 Aug 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					above period). From around 23:00hrs on 29 July 2014 to 01:00hrs on 30 July 2014, dewatering works at works area around Watson Road was conducted under HY/2009/19. Total 23 nos. of dewatering pumps were operating at the above period. In addition, mobilization of PMEs was performed at works area around Watson Road under HY/2009/19 from 00:45hrs to 01:30hrs on 30 July 2014. Total 1 no. of excavation machine and 1 no. of dump truck were in operation. After reviewing relevant records and information verified by RSS and the Construction Noise Permit (CNP) no. GW-RS0152-14, it was considered the below condition of CNP GW-RS0152-14 was not fulfilled by the Contractor of HY/2009/19. From around 00:45hrs to 01:30hrs on 30 July 2014, the operation of PME(s) (1 no. of excavator and 1 no. of dump truck) under the Contractor of HY/2009/19 on-site could not follow any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in no. GW-RS0152-14. Notwithstanding the above, according to the information provided by the RSS, the excavator and dump truck were mobilized away from the edge of the temporary ELS structure towards the area opposite to the Harbour Heights after 23:00hrs under safety consideration. The Contractor of HY/2009/19 was advised to review the arrangement and location for retaining and securing PME(s)/ plants to minimize the movements of PME or plants after completion of works such that the Construction Noise Permit would be followed.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20140929	26 Sep 2014	ICC complaint (ICC Case Ref.: 2-466911619) received by ET on 29 September 2014	IEC flyover opposite to City Garden	Light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance	A public complaint regarding visual impact referred by RSS was received by ET on 29 September 2014 (ICC Case Ref.: 2-466911619 dated 26 September 2014) The complainant reported that on 26 September 2014 at around 00:50hrs, light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance. ET confirmed with the Resident Site Staff that the light emission on 25 and 26 September 2014 at the concerned area was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014. According to the relevant information provided by RSS, the light emission on 25 and 26 September 2014 at the concerned location was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor Eastbound. The lighting was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after traffic diversion on 28 September 2014. Nevertheless, in view of the public concern regarding light nuisance raised by the public, it is considered desirable for the Contractor to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surrounding receivers as far as practicable.	Final Investigation report submitted on 9 October 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Follow-up inspection was conducted during weekly environmental inspection on 8 October 2014, additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings. Further to the interim measure implemented by the Contractor of HY/2009/19, the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings. The Contractor of HY/2009/19 was suggested to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surroundings receivers as far as practicable. Additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings and the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20141006	25,26 Sep 2014	ICC complaint (ICC Case Ref.: 2-469099657) received by ET on 06 October 2014	IEC flyover opposite to City Garden	Light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance	A public complaint regarding visual impact referred by RSS was received by ET on 6 October 2014 (ICC Case Ref.: 2-469099657 dated 26 September 2014). The complainant reported that on 25 September 2014 night and on 26 September 2014 at around 23:23 hrs, light originating from the flyover under Central-Wan Chai Bypass Project was emitted towards City Garden direction and caused light nuisance. ET confirmed with the Resident Site Staff that the light emission on 25 and 26 September 2014 at the concerned area was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014. According to the relevant information provided by RSS, the light emission on 25 and 26 September 2014 at the concerned location was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor Eastbound. The lighting was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after traffic diversion on 28 September 2014. Nevertheless, in view of the public concern regarding light nuisance raised by the public, it is considered desirable for the Contractor to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surrounding receivers as far as practicable.	Final Investigation report submitted on 9 October 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Follow-up inspection was conducted during weekly environmental inspection on 8 October 2014, additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings. Further to the interim measure implemented by the Contractor of HY/2009/19, the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings. The Contractor of HY/2009/19 was suggested to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surroundings receivers as far as practicable. Additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings and the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20141010	07 Oct 2014	ICC complaint (ICC Case Ref.: 2-487376144) received by ET on 10 October 2014	IEC flyover opposite to City Garden	Light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance	ET confirmed with the Resident Site Staff that temporary lighting was provided at the concerned area at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014. Temporary lighting was provided at the concerned area at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014. In view of the public concern regarding light nuisance raised by the public, it is considered desirable for the Contractor to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surrounding receivers as far as practicable. During weekly environmental inspection on 8 October 2014, additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings. Further to the interim measure implemented, on 13 October 2014 the Contractor of HY/2009/19 have replaced the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.	Final investigation report submitted on 14 Oct 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					The Contractor of HY/2009/19 was suggested to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surroundings receivers as far as practicable. Additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure and on 13 October 2014 the Contractor of HY/2009/19 have replaced the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.	
141016	14 Oct 2014	EPD complaint EPD Ref.:H05/RS/00 025795-14) received by ET on 16 October 2014	work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground.	Construction noise like piling works was heard on 14 October 2014 night until 23:45 hrs. It was suspected that the noise was emanated from the work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground.	A public complaint regarding construction noise impact referred by EPD was received by ET on 16 October 2014 (EPD Ref.: EP860/E2/24 Annex IV dated 16 October 2014). The complainant reported that construction noise like piling works was heard on 14 October 2014 night until 23:45 hrs. It was suspected that the noise was emanated from the work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground. ET confirmed with the Resident Site Staff that From 19:00hrs to 23:00hrs on 14 October 2014, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area. Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.	Updated interim investigation with supplementary information submitted to EPD on 17 November 2014. EPD advised no further comment on the updated interim report and case closed on 27 Nov 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					From 23:00 hrs to 05:00 hrs, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area. Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02. From 23:00 hrs to 06:00hrs, panel replacement works was conducted under Contractor of HK/2009/02 at the Temporary Covered Walkway. Total one scissor platform and two hand held drills (battery) were in operation. From 23:00 hrs to 06:00hrs, trial pit works was conducted under Contractor of HK/2009/02 at Hung Hing Road. Total one crane lorry was in operation. According to the relevant site records under Contract HK/2009/02, from 19:00hrs to 23:00hrs on 14 October 2014, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area. Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02. From 23:00 hrs to 05:00 hrs, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area. Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					From 23:00 hrs to 06:00hrs, panel replacement works was conducted under Contractor of HK/2009/02 at the Temporary Covered Walkway. Total one scissor platform and two hand held drills (battery) were in operation. From 23:00 hrs to 06:00hrs, trial pit works was conducted under Contractor of HK/2009/02 at Hung Hing Road. Total one crane lorry was in operation. In view of the above findings, no direct information associated with the noise concern was considered available.	
20141108	07 Nov 2014	EPD complaint (EPD Ref.: H05/RS/00027 815-14) received by ET on 10 November 2014	Construction site at old Wan Chai Ferry Pier	Malodour of construction plant exhaust from the construction site at old Wan Chai Ferry Pier was scented that affecting the swimmers at Wan Chai Swimming Pool.	A public complaint regarding odour concern referred by EPD was received by ET on 07 November 2014 (EPD Ref.: H05/RS/00027815-14 dated 10 November 2014). The complainant reported that Malodour of construction plant exhaust from the construction site at old Wan Chai Ferry Pier was scented that affecting the swimmers at Wan Chai Swimming Pool. ET confirmed with the Resident Site Staff that ELS works was conducted on 7 November 2014 during daytime at Portion 2 (Area oppsite to WanChai Swimming Pool). Total 3 nos. of excavators, 2 nos. of crawler cranes, 2 nos. of generator, 1 no. of crane lorry and 2 no. of dump trucks were operated. Demolition works was conducted on 7 November 2014 during daytime at West of old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. of tug boat were operated.	Interim investigation report submitted to EPD on 17 November 2014. EPD advised no comment on the interim report and case closed on 1 Dec 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Dredging works was conducted on 7 November 2014 during daytime at WCR3 (East of old Wan Chai Ferry Pier) Total 1 no. of dredger, 1 no. of hopper and 1 no. of tug boat were operated. According to the relevant site records under Contract HK/2009/02, ELS works was conducted on 7 November 2014 during daytime at Portion 2 (Area oppsite to WanChai Swimming Pool). Total 3 nos. of excavators, 2 nos. of crawler cranes, 2 nos. of generator, 1 no. of crane lorry and 2 no. of dump trucks were operated. Demolition works was conducted on 7 November 2014 during daytime at West of old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. of tug boat were operated. Follow-up inspection was conducted during weekly environmental inspection on 13 November 2014, no dark smoke emission was observed from the PMEs operating on-site. The condition of chemical waste storage was considered satisfactory and no malodour was identified. Despite no information related to malodour was identified, the Contractor was reminded to conduct regular checking on the condition of PMEs to ensure only well maintained PMEs are used on site. Based on the relevant information provided by RSS, despite no information associated with the malodour concern was identified after investigation, the Contractor was reminded to conduct regular checking on the condition of PME used on site to ensure only well maintained PME are used on site The interim report would be submitted to EPD on 17 November 2014.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20141113	12 Nov 2014	EPD complaint (EPD Ref.: H05/RS/00028 253-14) received by ET on 13 November 2014	Construction site at old Wan Chai Ferry Pier	Malodour and dark smoke emission from an excavator located at the construction site at old Wan Chai Ferry Pier was observed that affecting the pedestrians.	A public complaint regarding odour concern referred by EPD was received by ET on 13 November 2014 (EPD Ref.: H05/RS/00028253-14 dated 13 November 2014). The complainant reported that Malodour and dark smoke emission from an excavator located at the construction site at old Wan Chai Ferry Pier was observed that affecting the pedestrians. (Contract HK/2009/02) ET confirmed with the Resident Site Staff that demolition works was conducted under Contract HK/2009/02 on 12 November 2014 during daytime at old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. tug boat were operated. According to the relevant site records under Contract HK/2009/02, demolition works was conducted on 12 November 2014 during daytime at old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. tug boat were operated. In addition, investigation found that due to malfunctioning of one of the excavators deployed at old Wan Chai Ferry Pier, dark smoke was emitted from the defective excavator for a short period of approximately 30 seconds at around 15:00 hrs on 12 November 2014. The operation of excavator was immediately suspended and followed by repair works. The normal operation of the excavator was resumed after repair. Follow-up inspection was conducted during weekly environmental inspection on 13 November 2014, no dark smoke emission was observed from the PMEs operating on-site and the Contractor of HK/2009/02 was reminded to conduct regular checking on the condition of PMEs to ensure only well maintained PMEs are used on site.	Interim investigation report submitted to EPD on 19 November 2014. EPD advised no comment on the interim report and case closed on 8 Dec 2014.



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20150127	21 Jan 2015	EPD complaint (EPD Ref.: H05/RS/00001725-15) received by ET on 27 January 2015 and further information from EPD regarding the updated location under complaint was received by ET on 30 January 2015	A portion of Hung Hing Road immediately to the east of Marsh Road near SPCA	Construction dust and grit was emitted from the construction site to the carriageway causing nuisance to the public.	A public complaint regarding air quality impact referred by EPD was received by ET on 27 January 2015 (EPD Case Ref.: H05/RS/00001725-15 dated 27 January 2015) and further information from EPD regarding the updated location under complaint was received by ET on 30 January 2015. The complainant reported that construction dust and grit was emitted from the construction site to the carriageway causing nuisance to the public. ET confirmed with the Resident Site Staff that the major construction activities around the concerned location conducted on 21 January 2015 include breaking of seawall blocks and D-wall at TPCWAW; concreting, grouting and drilling works at TPCWAW;reclamation/ backfilling works at TPCWAW Mitigation measures implemented by the Contractor for the above construction works include spraying haul road with water; covering bagged cement with tarpaulin; providing three sided and top covering for grouting stations; providing water spraying to dusty activities such as breaking works According to the relevant site records, breaking of seawall blocks and D-wall, concreting, grouting and drilling works and reclamation/ backfilling works were conducted at TPCWAW. Dust mitigation measures including spraying haul road with water, covering bagged cement with tarpaulin, providing three sided and top covering for grouting stations and water spraying to dusty activities such as breaking works were implemented by the Contractor of HY/2009/15 near the concerned location on 21 January 2015.	Interim report submitted to EPD on 9 February 2015, EPD advised no comment on 27 February 2015 on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Follow-up investigation was conducted on 27 January 2015 during weekly environmental inspection, dust mitigation measures including water spraying for dusty haul road and major dust generation works; and provision of three sides and top covering for grouting station were confirmed in place. In addition, based on the review of the monitoring data of the monitoring station located at the concerned location raised by the complainant, namely monitoring station CMA3a , no action or limit level exceedance was recorded during air quality monitoring conducted on 20 and 21 January 2015. Nevertheless, the Air Quality Health Index (AQHI) recorded by EPD across Western District and Eastern District on the complaint date was ranged from 4 to 10+ indicating a severely high concentration of ambient air pollutants. As such, the site condition under Contract HY/2009/15 at the concerned location was considered to be generally satisfactory and no non-conformity related to cumulative air quality impact was observed. Nevertheless, in view of the public concern, the contractor was reminded to enhance the dust mitigation measures implemented to minimize potential nuisance to nearby public. ET confirmed with the Resident Site Staff that the major construction activities under Contract HK/2009/02 around the concerned location conducted on 21 January 2015 include trenching grabbing for D-wall construction at temporary road eastward, shear pin installation at temporary road westward and ground Investigation drilling at temporary road westward	



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					Mitigation measures implemented by the Contractor of HK/2009/02 for the above construction works include regular water spraying at haul road, vehicle wheel-washing at the ingress/egress (Gate No. 4) to the temporary road, hard paving at the works area at temporary road northward and frequent water spraying at the ingress/egress (Gate No. 4) to the temporary road. According to the relevant site records, trenching grabbing for D-wall construction, shear pin installation and ground investigation drilling works were conducted at the concerned location. Dust mitigation measures including water spraying for haul road, vehicle wheel washing and hard paving for a section of works area nearby public road were implemented by the Contractor of HK/2009/02 near the concerned location on 21 January 2015. Follow-up investigation was conducted on 5 February 2015 during weekly environmental inspection, dust mitigation measures including water spraying for dusty haul road and major dust generation works and provision of wheel washing combine with cleaning of public road were confirmed in place and no dust related impact from the construction works was observed. The Air Quality Health Index (AQHI) recorded by EPD across Western District and Eastern District on 21 January 2015 was ranged from 4 to 10+ indicating a severely high concentration of ambient air pollutants. Based on reviewing relevant impact monitoring data, elevated TSP were recorded at monitoring stations across Wan Chai West area to North Point area and a non-Project related exceedance was recorded at nearby monitoring station CMA4a (at SPCA) on 21 January 2015 due to ambient air pollutant.	



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					In addition, it was noted that a section of the works area at the concerned location was not provided with site hoarding. Based on further review on relevant records it was noted that the works area at concerned section was either hard paved or have to maintain adequate line of sight due to traffic safety consideration. The Contractor of HK/2009/02 was advised to inform EPD with respect to the site constraint and provide relevant updated meeting records on the arrangement for review. In view of the public concern, the contractor has committed to conduct additional cleaning of the concerned public road section once a week to minimize potential nuisance caused to nearby road users. The contractor was also reminded to enhance the dust mitigation measures implemented to minimize potential nuisance to nearby public.	
20150409	07 April 2015 09 April 2015	EPD complaint (Ref.:H05/RS/00008074-15 dated 9 April 2015) received by ET on 09 April 2015	Construction site exit near Expo Drive Central; Construction site gate V2 & gate V8	Construction dust was generated from lorries transporting out of the construction via site exit without wheel washing	A public complaint regarding construction dust impact referred by EPD was received by ET on 09 April 2015 (EPD Ref.:H05/RS/00008074-15 dated 9 April 2015). The complainant reported that: Construction dust was generated from lorries transporting out of the construction via site exit near Expo Drive Central without wheel washing at the morning of 7 April 2015. Lorries were also found transporting out of the construction site via gates V2 and V8 without wheel washing and causing dust nuisance at about 10:30 hours on 9 April 2015. ET confirmed with the Resident Site Staff that on 7 April 2015, major vehicle movements included oil tanker passing at Gate V2 at Expo Drive East and dump truck passing at Gate V8 at Expo Drive Central under Contract HK/2009/01.	Interim report submitted to EPD on 17 April 2015, EPD advised no comment on 30 April 2015 on the interim report submitted and case closed.



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					2. On 9 April 2015, major vehicle movements include oil tanker, crane lorry and dump truck passing at at Gate V2 at Expo Drive East and dump truck at Gate V8 at Expo Drive Central under Contract HK/2009/01. Mitigation measures adopted by the Contractor of HK/2009/01 at the above locations include water hose was provided for wheel washing at Gate V2 and Gate V8, concrete paving at site exit, dump truck fitted with mechanic cover and cleaned before leaving construction site, regular street washing at Expo Drive Central. According to the relevant site records under Contract HK/2009/01, on 7 April 2015, major vehicle movements included oil tanker passing at Gate V2 at Expo Drive East and dump truck passing at Gate V8 at Expo Drive Central under Contract HK/2009/01 while on 9 April 2015 major vehicle movements include oil tanker, crane lorry and dump truck passing at at Gate V2 at Expo Drive East and dump truck at Gate V8 at Expo Drive Central under Contract HK/2009/01. At the above locations, mitigation measures including water hose for wheel washing at Gate V2 and Gate V8; concrete paving at site exit; dump truck fitted with mechanic cover and cleaned before leaving construction site and regular street washing at Expo Drive Central were generally adopted by the Contractor of HK/2009/01. In view of the public concern on the complaint date, the Contractor of HK/2009/01 was advised to conduct cleaning at the concerned site exit point and the section of public road adjoining the site exit to clear any residue grit and silt desposit to avoid further dust impact.	



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					Follow up inspection was conducted on 16 April 2015 during weekly environmental inspection and mitigation measures including water spraying for dusty haul road and provision of wheel washing were in place. The construction site exit was observed clear from residue silt / grit at the concerned location. In view of the public concern, the contractor was advised to conduct training to the construction site workers to enhance the effectiveness of wheel washing and to ensure proper wheel washing is provided for dump truck and other vehicle prior to leaving the construction site to avoid generating any dust nuisance.	
20150409A	03 April 2015 to 07 April 2015	EPD complaint (Ref.:H05/RS/00007861-15 dated 9 April 2015) received by ET on 09 April 2015	Construction site at Convention Avenue near Renaissance Harbour View Hotel	Construction noise was emanated from the construction site at Convention Avenue near Renaissance Harbour View Hotel during the period of Easter Holiday	A public complaint regarding construction noise impact referred by EPD was received by ET on 09 April 2015 (EPD Ref.:H05/RS/00007861-15 dated 9 April 2015). The complainant reported that construction noise was emanated from the construction site at Convention Avenue near Renaissance Harbour View Hotel during the period of Easter Holiday, including April 3 at about 13:00 hours. ET confirmed with the Resident Site Staff that from 3 April 2015 to 7 April 2015, from 08:00 hours to 18:00 hours, and at about 13:00 hours on 3 April 2015 at area CWB Tunnel Stage 3, backfilling works was conducted under HK/2009/01. Either 1 no. of dump truck and 1. no. of excavator was operated on site at each given time during the concerned period. According to the relevant site records under Contract HK/2009/01, from across 08:00hrs to 18:00hrs during the period from 3 April 2015 to 7 April 2015, backfilling works was conducted under Contract HK/2009/01 at CWB Tunnel Stage 3. Either 1 no. of dump truck and 1 no. of excavator was operated on site at each given time during the	Interim report submitted to EPD on 17 April 2015, EPD advised no comment on 30 April 2015 on the interim report submitted and case closed.



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					concerned period and the relevant Construction Noise Permit GW-RS0104-15 for the works was in place and the same construction activity was undertaken at around 13:00hrs on 3 April 2015. No other concurrent construction activity was undertaken at the concerned location during the concerned period under Contract HK/2009/01. The construction activity conducted under Contract HK/2009/01 during the concerned period was in compliance with the statutory requirement. Nevertheless, in view of the concern regarding the noise nuisance raised by the public at the concerned location, it is considered desirable for the Contractor of HK/2009/01 to review the truck unloading procedures of the specific construction task to minimize potential noise emanated during the course for work.	
20150415	13 April 2015	ICC complaint case (ICC Case Ref.: 2-885677297 dated 13 April 2015) received by ET on 15 April 2015	Construction Site at Causeway Bay Typhoon Bay Shelter	Unnecssary light nuisance from the construction site	A public complaint regarding visual impact received by the RSS was referred to the ET on 15 April 2015 (ICC Case Ref.: 2-885677297 dated 13 April 2015). The complainant reported that " I live in a building next to Gloucester Road in Causeway Bay. Recently, I am suffering from unnecessary light source from the construction site. The banners of the construction companies are always illuminated with very bright lights." ET confirmed with the Resident Site Staff that the concerned lighting for the banners was maintained under Contract HY/2010/08. The concerned lighting for the banners was maintained under Contract HY/2010/08 and the concerned lighting was subsequently switched off at all times since 13 April 2015 to alleviate the lighting nuisance caused to the surroundings.	Final Investigation report issued on 20 April 2015 and case closed



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20150423	21 April 2015	EPD complaint case (EPD Case Ref: :H05/RS/00009456-15 dated 23 April 2015) received by ET on 23 April 2015	Road work at Fleming Road and Convention Avenue near Renaissance Harbour View Hotel	Construction noise emanated from the road work at Fleming Road and Convention Avenue near Renaissance Harbour View Hotel causing nuisance	A public complaint regarding construction noise impact referred by EPD was received by ET on 23 April 2015 (EPD Ref.:H05/RS/00009456-15 dated 23 April 2015). The complainant reported that construction noise emanated from the road work at Fleming Road and Convention Avenue near Renaissance Harbour View Hotel almost every night recently causing nuisance. ET confirmed with the Resident Site Staff that from 21:00hrs on 20 April 2015 to 06:00hrs on 21 April 2015 and from 21:00hrs on 21 April 2015 to 06:00hrs on 22 April 2015, cooling main connection works was undertaken by the Contractor of Contract HK/2009/01 at the concerned location. Total 1 no. of crane lorry and 1 no. of excavator were in operation. According to the relevant site records under Contract HK/2009/01, from 21:00hrs on 20 April 2015 to 06:00hrs on 21 April 2015 and from 21:00hrs on 21 April 2015 to 06:00hrs on 22 April 2015, cooling main connection works was undertaken by the Contractor of Contract HK/2009/01 at the concerned location. Total 1 no. of crane lorry and 1 no. of excavator were in operation during the concerned period and the relevant Construction Noise Permit GW-RS0269-15 was confirmed in place. The construction activity conducted under Contract HK/2009/01 during the concerned period was in compliance with the statutory requirement. In view of the potential noise nuisance, a notice to affected parties was issued by the Contractor of Contract HK/2009/01 to the nearby residents including Renaissance Harbour View Hotel on 17 April 2015. Besides, construction works undertaken by other parties at the concerned location was observed at the concerned period.	Final Investigation report issued on 18 May 2015 and case closed



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20150601	29 May 2015	EPD complaint case (EPD Case Ref: :H05/RS/00013254-15 dated 1 June 2015) received by ET on 23 April 2015	Construction site gates V2 and V3 near Expo Drive Central	Vehicle with plate no. TG2426 was found leaving the construction site at gate V2 near Expo Drive Central without wheel-washed	A public complaint regarding construction dust impact referred by EPD was received by ET on 01 June 2015 (EPD Ref.:H05/RS/00013254-15 dated 1 June 2015). The complainant reported that vehicle with plate no. TG2426 was found leaving the construction site at gate V2 near Expo Drive Central without wheel-washed at about 10:33hrs on 29 May 2015. The complainant also alleged that water spraying at the gates V2 and V3 near Expo Drive Central was insufficient causing dust nuisance to the public. ET confirmed with the Resident Site Staff that on 29 May 2015, vehicle record indicated that concerned vehicle TG 2426 has entered and exited the construction site via gate V3. Mitigation measures adopted by the Contractor of HK/2009/01 at the above locations include, water hose was provided for wheel washing at Gate V2 and Gate V3. According to the relevant site records under Contract HK/2009/01, vehicle record indicated that concerned vehicle TG 2426 has entered and exited the construction site via gate V3 on 29 May 2015 under Contract HK/2009/01. As confirmed by WDII RSS, the concerned construction site Gate V2 and Gate V3 have been closed from 31 May 2015 and formed part of the construction site area. Follow up inspection was conducted on 3 June 2015 during weekly environmental inspection and mitigation measures including wheel washing were implemented at construction exit gates around the concerned location despite a vehicle was observed leaving the construction site via Gate V8 without wheel washing. The Contractor was immediately advised to review and strengthen the control measures for vehicle exits to ensure wheel washing are provided for exiting vehicles.	Interim report submitted to EPD on 08 June 2015, EPD advised no comment on 22 June 2015 on the interim report submitted and case closed.



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					In view of the public concern and the site observation, the Contractor of HK/2009/01 has implemented enhanced site exit control measures using red string to alert drivers to stop their vehicles for cleaning before leaving the construction site and wheel washing facilities including water hose were implemented at Gate V1 and Gate V10 around the concerned location and the vehicle gate V8 was subsequently closed. In addition, removal of spoil arising from wheel washing around site exit location would be conducted by the Contractor of HK/2009/01 as appropriate to alleviate for potential dust impact at construction site exits.	
20150608	04 June 2015	EPD Ref.:H05/RS/0013843-15 dated 8 June 2015	A portion of construction site of Contract HK/2012/08 outside Fleet Arcade	Construction noise was generated from the construction site of Contract HK/2012/08 at location outside Fleet Arcade during restricted hours including Sundays and General Holidays.	A public complaint regarding construction noise impact referred by EPD was received by ET on 8 June 2015 (EPD Ref.:H05/RS/00013843-15 dated 8 June 2015). The complainant reported that construction noise was generated from the construction site of Contract HK/2012/08 at location outside Fleet Arcade during restricted hours including Sundays and General Holidays. ET confirmed with the Resident Site Staff that from 08:00hrs to 18:00hrs on 31 May 2015 (Sunday), construction work including steel welding was conducted under Contract HK/2012/08 at site portion zone A1 opposite to Fleet Arcade. Total one welding machine was in operation. According to the relevant site records under Contract HK/2012/08, from 08:00hrs to 18:00hrs on 31 May 2015 (Sunday), construction work including steel welding was conducted under Contract HK/2012/08 site portion zone A1 opposite to Fleet Arcade. Total one welding machine was in operation and the relevant Construction Noise Permit GW-RS0296-15 was confirmed in place. The construction activity conducted under Contract	Interim report submitted to EPD on 16 June 2015 and EPD advised no comment on 20 July 2015 on the interim report submitted and case closed.



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					HK/2012/08 during the concerned period was in compliance with the statutory requirement. Ad-hoc inspection was conducted during weekly environmental inspection on 9 June 2015 and it was noted that Construction Noise Permits under Contract HK/2012/08 were posted at site entrance locations for public inspection. In view of the potential noise nuisance, the Contractor was reminded to upkeep the site control system for construction works carrying out at restricted hours and night time for Construction Noise Permit compliance. Besides, other construction sites at the concerned location were observed. Furthermore, a meeting was held on 15 June 2015 between the EPD, Contractor of HK/2012/08, WDII RSS team and the Environmental Team on the public concern and the Contractor of HK/2012/08 has committed to review the re-application for the Construction Noise Permits GW-RS0223-15 and GW-RS0296-15 on usage of PMEs at a portion of site area outside the Fleet Arcade during public holiday including Sundays to minimize for the potential noise nuisance to nearby public.	
150622	18 June 2015	EPD Ref.:H05/RS/0015054-15 dated 22 June 2015	A mooring location near shore and at location outside Wan Chai Sports Ground	Dark smoke and malodour emission was observed from a hopper barge moored near shore and other construction plants under operation from the reclamation construction site	A public complaint regarding dark smoke and malodour concern referred by EPD was received by ET on 22 June 2015 (EPD Ref.: H05/RS/00015054-15 dated 22 June 2015). The complainant reported that dark smoke and malodour emission was observed from a hopper barge moored near shore and other construction plants under operation from the reclamation construction site with Contract no. HK/2009/02 at location outside Wan Chai Sports Ground caused air pollution. The complainant alleged that the said situation had been observed for a prolonged period.	Interim report submitted to EPD on 29 June 2015 and EPD advised no comment on 20 July 2015 on the interim report submitted and case closed.



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					ET confirmed with the Resident Site Staff that reinforced bar fixing and concreting work (on 17 June 2015 only) were conducted at Portion 2 from 15 June 2015 to 19 June 2015. Total 3 nos. of mobile crane were in operation. On 17 June 2015, one no. of concrete pump truck and two nos. of concrete mixer were in operation. Excavation and Lateral Support was conducted at Portions 3 & 4 from 15 June 2015 to 19 June 2015. Total 4 nos. of excavator, 2 nos. of truck and 2 nos. of crawler crane were in operation. In addition, on 15 June 2015, 17 June 2015 and 19 June 2015, 1 no. of derrick barge was moored near Portions 3 & 4 for transportation of the excavated material away from site. According to the relevant site records under Contract HK/2009/02, from 15 June 2015 to 19 June 2015, reinforced bar fixing and concreting work (on 17 June 2015 only) were conducted at Portion 2 and total 3 nos. of mobile crane, one no. of concrete pump truck (on 17 June 2015 only) and two nos. of concrete mixer (on 17 June 2015 only) were in operation; excavation and lateral support was conducted at Portions 3 & 4 and total 4 nos. of excavator, 2 nos. of truck and 2 nos. of crawler crane were in operation. Based on relevant site record, no hopper barge was moored under Contract HK/2009/02 around the concerned location while 1 no. of derrick barge was moored under Contract HK/2009/02 near Portions 3 & 4 for transportation of the excavated material from Portions 3 & 4 away from site on 15 June 2015, 17 June 2015 and 19 June 2015 respectively. Follow-up inspection was conducted during weekly environmental inspection on 25 June 2015, no dark smoke and malodour emission was observed from the PMEs operating on-site. A derrick barge was	



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					observed moored near Portions 3 & 4 and excavated material was transferred to the derrick barge by the excavators on land without barge operation and no particular dark smoke and malodour emission was observed. Nevertheless, the Contractor was reminded to conduct regular checking on the condition of the derrick barge and other PMEs deployed on site to ensure only well maintained PMEs are used to avoid potential dark smoke and maldour emission affecting nearby public.	
150714	11 July 2015	ICC Complaint (Ref:#2-1149562777) referred by RSS was received by ET on 14 July 2015	A portion of site area adjacent to Hing Fat Street Site entrance	Direct discharge of muddy effluent into marine waters	A public complaint regarding direct discharge of muddy effluent referred by RSS was received by ET on 14 July 2015 (ICC Ref.: #2-1149562777). The complainant reported that: Muddy effluent was directly discharged into nearby marine waters by Chun Wo worker. Further information was received by ET from RSS on 23 July 2015 and the complaint date was clarified to be 11 July 2015 and the concerned vehicle registration number shall be JV 7319. ET confirmed with the Resident Site Staff that no construction works was undertaken by the Contractors HY/2009/19 and adjacent Central WanChai Bypass Project construction site at the concerned location on 11 July 2015. No construction works was undertaken by the Contractor of HY/2009/19 and adjacent Central WanChai Bypass Project construction site at the concerned location on 11 July 2015 and the concerned vehicle (License Plate JV 7319 labelled as Chun Wo) was confirmed not belonging to the Contractor of HY/2009/19. Follow-up inspection was conducted during weekly environmental inspection on 14 July 2015, no direct discharge connection was further observed on site.	Updated Final investigation report submitted on 27 July 2015.



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					No construction works was undertaken by Central WanChai Bypass Project at the concerned location and no sump pit or works area under Central WanChai Bypass Project associated with potential muddy effluent discharge was identified. In addition, a construction area with excavated pit under WSD Contract 12/WSD/10 was noted at the concerned location behind the alleged vehicle responsible for direct discharge of muddy effluent. Based on the further review on the information received on 23 July 2015, the alleged direct discharge was observed originating from the works area under WSD Contract 12/WSD/10 and not related to the Central Wan Chai Bypass Project construction works.	
150723	20 July 2015	EPD Ref.:H05/RS/0018040-15 dated 23 July 2015	Ex-Wanchai Ferry Pier near 720 & 722 Bus stop	Malodour from marine sediment	A public complaint regarding malodour referred by EPD was received by ET on 23 July 2015 (EPD Ref.: H05/RS/00018040-15 dated 23 July 2015). The complainant reported that malodour from marine sediment was scented at ex-Wanchai ferry pier near route 720 & 722 bus stop. (Contract HK/2009/02). ET confirmed with the Resident Site Staff that Rockfill placing works was conducted by one derrick barge at the concerned location (WCR3) under Contract HK/2009/02 on 20 July 2015. No marine sediment was stored or placed on site at the concerned location under Contract HK/2009/02 on 20 July 2015. According to the relevant site records under Contract HK/2009/02, rockfill placing works was conducted by one derrick barge at WCR3 area on 20 July 2015 and no marine sediment was stored or placed on site at the concerned location on the concerned date.	Interim report submitted to EPD on 30 July 2015. EPD advised no comment on 17 August 2015 on the interim report submitted and case closed.



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					Follow-up inspection was conducted during weekly environmental inspection on 29 July 2015. No marine sediment was observed stored or placed at the concerned location while it was noted that a culvert outfall with potential odour concern is located adjacent to the concerned location. Nevertheless, the Contractor was reminded to review the handling procedures in case of any future marine sediment handling at the concerned location and to consider the implementation of mitigation measures as appropriate to minimize potential malodour impact to nearby public.	
150904	01 Sept 2015	EPD Ref.: H05/RS/0002 2241-15 dated 04 September 2015 received by ET on 4 September 2015	East of New WanChai Ferry Pier	Dropping of excavated material from land to sea during loading of material	A public complaint regarding dropping of excavated material from land to sea referred by EPD was received by ET on 04 September 2015 (EPD Ref.: H05/RS/00022241-15 dated 04 September 2015). The complainant reported that dropping of excavated materials from land to sea during loading of materials by excavator at the construction site to work boat. (Contract HK/2009/02) ET confirmed with the Resident Site Staff that transferring of C&D materials from land to hopper barge by excavator at seaside along CWB Tunnel Portions 3 and 4 was undertaken by Contract HK/2009/02 on 01 September 2015. Mitigation measure including providing tarpaulin sheet to cover the gap between seawall and the hopper barge to prevent dropping of material to the sea was implemented by the Contractor. According to the relevant site records under Contract HK/2009/02, transferring of C&D materials from land to hopper barge by excavator at seaside along CWB Tunnel Portions 3 and 4 was carried out on 01 September 2015 and mitigation measures including provision of tarpaulin sheet between	Interim report submitted to EPD on 14 September 2015. EPD advised no comment on 5 October 2015 on the interim report submitted and case closed.



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					seawall and the hopper barge was implemented by the Contractor of HK/2009/02 on the concerned date. Follow-up inspection was conducted during weekly environmental inspection on 10 September 2015. Transferring of C&D materials from land to barge by excavator was observed at the concerned location and mitigation measures including provision of tarpaulin sheet between seawall and hopper barge and the material transfer works was generally in order. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain the handling procedure for C&D materials transfer from land to hopper barge and regularly inspect the condition of the tarpaulin sheet provided to ensure the nearby water quality are not affected by the loading and unloading of material from land side to hopper barge. The Contractor was reminded to maintain the handling procedure for C&D materials transfer from land to hopper barge and regularly inspect the condition of the tarpaulin sheet provided to ensure the nearby water quality are not affected by the loading and unloading of material from land side to hopper barge.	
150904	02 Sept 2015	EPD Ref.: H04/RS/0002 2385-15 dated 04 September 2015 received by ET on 04 September 2015	Location outside Fleet Arcade	Construction noise was generated from the construction site of HK/2012/08 at location outside Fleet Arcade during night time on weekdays and daytime during General Holidays. The complainant also concerned construction dust and exhaust emission from derrick barges during	A public complaint regarding construction noise and dust and exhaust emission referred by EPD was received by ET on 04 September 2015 (EPD Ref.: H04/RS/00022385-15 dated 04 September 2015). The complainant reported that construction noise was generated from the construction site of HK/2012/08 at location outside Fleet Arcade during night time on weekdays and daytime during General Holidays. The complainant also concerned construction dust and exhaust emission from derrick barges during transporting C&D material at the site. (Contract HK/2012/08)	Interim report submitted to EPD on 14 September 2015. 2 nd interim report submitted to EPD on 17 Dec 2015



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				transporting C&D material at the site.	ET confirmed with the Resident Site Staff that from 0800 hrs to 1800 hrs on 30 August 2015, removal of scaffold and timber and installation of bulkhead was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one generator and one circular saw were in operation. From 1900hrs on 30 August 2015 to 0700 on 31 August 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location. From 1900hrs on 31 August 2015 to 0700hrs on 01 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location. From 1900hrs to 2115 hrs on 01 September 2015, unloading of soil was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one derrick barge was in operation. From 2300hrs on 01 September 2015 to 0700hrs on 02 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location. One derrick barge was deployed for unloading of soil on 02 September 2015 during daytime under Contract HK/2012/08 at the concerned location. Based on the relevant site records, from 0800 hrs to 1800 hrs on 30 August 2015, removal of scaffold	3 rd interim report submitted to EPD on 31 Dec 2015



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					and timber and installation of bulkhead was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one generator and one circular saw were in operation and the relevant Construction Noise Permit GW-RS0296-15 for the concerned operation was confirmed in place. From 1900hrs on 30 August 2015 to 0700 on 31 August 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location and from 1900hrs on 31 August 2015 to 0700hrs on 01 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location. From 1900hrs to 2115 hrs on 01 September 2015, unloading of soil was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one derrick barge was in operation and the Construction Noise Permit GW-RS0296-15 for the concerned operation was confirmed in place. From 2300hrs on 01 September 2015 to 0700hrs on 02 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location. In view of the above, the construction activities conducted under Contract HK/2012/08 during the concerned period was in compliance with the statutory requirement.	



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					In addition, one derrick barge was deployed for unloading of soil on 02 September 2015 during daytime under Contract HK/2012/08 at the concerned location. Follow-up inspection was conducted during weekly environmental inspection on 08 September 2015 and no dark smoke emission was observed from the derrick barge moored outside the concerned location. Nevertheless, the Contractor of HK/2012/08 was reminded to conduct regular checking on the condition of the all derrick barges deployed on site to ensure only well maintained equipment are used to avoid potential dark smoke emission affecting nearby public and the Contractor of HK/2012/08 was reminded to upkeep the site control system for construction works carrying out at restricted hours and night time for Construction Noise Permit compliance. The Contractor was reminded to conduct regular checking on the condition of derrick barges deployed on site to ensure only well maintained equipments are used on site to avoid potential dark smoke emission affecting nearby public. The Contractor of HK/2012/08 was reminded to upkeep the site control system for construction works carrying out at restricted hours and night time for Construction Noise Permit compliance.	



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151117	Not specified	EPD complaint received by ET on 17 November 2015	Causeway Bay Typhoon Shelter	Improper handling or bentonite and marine sediment generated from construction works and contaminated discharge from water treatment plant into Victoria Harbour	A public complaint regarding illegal disposal of construction waste referred by EPD was received by ET on 17 November 2015. The complainant reported that over 10,000 m3 of bentonite after usage for construction of diaphragm wall was disposed of at Victoria Harbour. The Contractor recently deployed mobile crane to transfer the bentonite from mud pit on to works barge. The bentonite was then mixed with soil and transported to the Public Fill. During the course, seepage of slurry through grab generated drop off to marine waters and the soil mixing generated dust impact to nearby yacht club, typhoon shelter and affect nearby public and boats. Disposal of dredged marine sediment was not carried out in accordance with the Management of Dredged/Excavated Sediment. Instead the marine sediment was covered by sand and soil and transported to the Public Fill. White or greyish effluent was discharged directly into Victoria Harbour marine waters from wastewater treatment plant on construction site. In response to the complaint concern, additional water quality monitoring and additional site inspections have been conducted by the ET and the investigation findings were included in the interim investigation reports separately submitted to the EPD. In addition, the ET and IEC have conducted	Interim investigation report submitted to EPD on 24 November 2015. 2nd interim investigation report submitted to EPD on 17 December 2015. 3rd interim investigation report submitted to EPD on 31 December 2015. Final investigation report to be submitted in January 2016.



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					checking on the waste disposal records and site construction records with the CWB RSS team to confirm the key construction activities during the concerned period and the quantities of inert C&D material disposed. Upon further review on relevant records and follow up inspections on the implementation of site measures, the final investigation would be issued.	
ICC complaint case (ICC Ref: 2-159316569 4) dated 26 November 2015	26 No 2015	ICC complaint received by ET on 27 November 2015	Construction area outside City Garden Block 11	Noise nuisance due to windblown slapping of a metal onto adjacent barrier at night time	A public complaint regarding noise impact referred by RSS was received by ET on 27 November 2015 (ICC Case Ref.: 2-1593165694 dated 26 November 2015). The complainant reported that noise was emanated from the IECL construction site outside City Garden Block 11 due to the windblown slapping of a metal sheet onto adjacent barrier causing nuisance to nearby residents at night time. ET confirmed with the Resident Site Staff that the noise nuisance was caused by the windblown action of the corrugated metal sheet loosely affixed onto the temporary noise barrier panel above a concrete block footing fronting City Garden. The noise nuisance was caused by the windblown action of the corrugated metal sheet loosely affixed onto the temporary noise barrier panel above a concrete blocking footing fronting City Garden. The concerned corrugated metal sheet was removed by the Contractor of HY/2009/19 on 27 November 2015	Final investigation report to be issued on 01 December 2015.



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					to avoid further generation of noise nuisance. The Contractor was reminded to check and ensure metal sheetings and other material stored within the construction site are properly affixed to avoid potential noise nuisance due to windblown action.	
EPD complaint case (EPD Ref: H04/RS/00 028924-15 dated 04 December 2015	12 Novemb er 2015	EPD complaint received by ET on 04 December 2015	Two International Finance Centre at Finance Street, Central	Construction dust generated from construction site near Two International Finance Centre	A public complaint regarding construction dust impact referred by EPD was received by ET on 04 December 2015 (EPD Ref: H04/RS/00028924-15). The complainant reported that excessive construction dust was generated from the construction site near Two International Finance Centre at Finance Street, Central ET confirmed with the Resident Site Staff that bridge works and drains/ sewers construction at the concerned location was undertaken by Contract HY/2009/18 on 12 November 2015. A stockpile which would be reused for backfilling was stored at the concerned location by Contract HY/2009/18 on 12 November 2015. Mitigation measures implemented by the Contractor for the above construction works including covering of idled portion of stockpile and dampening of the exposed stockpile was implemented for the stockpile at the concerned location.	1st interim report submitted to EPD on 14 December 2015 2nd interm report subbmitted to EPD on 4 January 2016 EPD advised no comment on 07 January 2015 on the report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					According to relevant site records confirmed by RSS, bridge works and drains/ sewers construction at the concerned location was undertaken by Contractor of HY/2009/18 on 12 November 2015 and a stockpile which would be reused for backfilling was stored at the concerned location. Mitigation measures including covering of idled portion of stockpile and dampening of the exposed stockpile was implemented for the stockpile at the concerned location. In view of the public concern on potential dust impact at the concerned location, the Contractor of HY/2009/18 rearranged the works sequence and placed concrete blocks at the bridge retaining wall to allow for early commencement of backfilling on 19 November 2015 to minimize the size of the stockpile at an earlier stage. Additional water sprinklers were installed on 27 November 2015 to further enhance the dampening of the stockpile surface during excavation. Follow-up inspection was conducted during weekly environmental inspection on 10 December 2015 and mitigation measures including covering of stockpile stored at the concerned location was implemented while it was observed that stockpiles stored near Man Chiu Street was not properly covered. The Contractor of HY/2009/18 was advised to promptly provide covering to all idled stockpile stored on site	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					and the Contractor was reminded to enhance the watering during excavated material handling near the concerned location. Further follow up inspection was conducted on 17 December 2015 and mitigation measures including covering and watering for idle stockpile and material handling were implemented.	
ICC complaint case (ICC Case Ref: 2-1656689815 dated 14 December 2015	14 December 2015	EPD complaint received by ET on 04 December 2015	Construction area outside City Garden Block 10 and Block 11	Incessant noise emanating from the construction site of the Island East Corridor link that forms part of the Central Wanchai Bypass Project	A public complaint regarding noise impact referred by RSS was received by ET on 16 December 2015 (ICC Case Ref.: 2-1656689815 dated 14 December 2015). The complainant reported that: Incessant noise emanating from the construction site of the Island Eastern Corridor Link that forms part of the Central-Wanchai Bypass Project. Over the past couple of weeks, there have been loud mechanical pounding at the construction site over the reclaimed area between Blocks 10 and 11 of City Garden. As can be seen, machines have been breaking open the concrete paved on top of the reclaimed area. Work often starts well before 9am on weekdays and, barring a brief period of lull during lunch hours, would often continue unabated untill after 5pm. Although I note that certain noise reduction measures have been put into place (e.g. the erection of flimsy noise barriers around the work area), the noise created is still enormous, and this	Final report was issued on 23 December 2015 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					has become a significant nuisance for residents living in nearby blocks of our estate, especially children and the elderly who have to stay at home for longer hours. ET confirmed with the Resident Site Staff that concreting breaking works was carried out with one breaker on 7, 9, 11, 12 and 14 December 2015 and the breaking works at the concerned location were completed on 14 December 2015 morning. Noise mitigation measures including temporary noise barriers near the point of breaking and covering the breaker with acoustic mat were provided during the concerned concrete breaking works. According to information confirmed by RSS, concreting breaking works was carried out by one excavator mounted breaker on 7, 9, 11, 12 and 14 December 2015 and the concerned breaking works outside City Garden Block 10 and Block 11 was completed on 14 December 2015 morning. Noise mitigation measures including temporary noise barriers near the point of breaking and covering the breaker with acoustic mat were provided during the concerned concrete breaking works. Based on the further review on the record of the environmental inspection conducted on 09 December 2015, the Contractor of HY/2009/19 was reminded to temporary noise barrier provided for the pile cap demolition shall follow the the Environmental Permit	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					EP-364/2009/D requirement. Follow up inspection was conducted during weekly environmental inspection on 17 December 2015, the concerned breaking works opposite to City Garden Block 10 and Block 11 was observed completed while the Contractor was reminded that the remaining section of temporary noise barrier in accordance with the latest Environmental Permit EP-364/2009/D shall be completed on site as soon as possible. According to the information provided by RSS, the temporary noise barrier in accordance with the Environmental Permit requirement opposite to City Garden was substantially completed on 21 December 2015. In view of the public concern, the Contractor was suggested to consider to review the works duration at daytime and conduct other future breaking works around the concerned location intermittently to minimize the potential noise nuisance caused to the surroundings.	

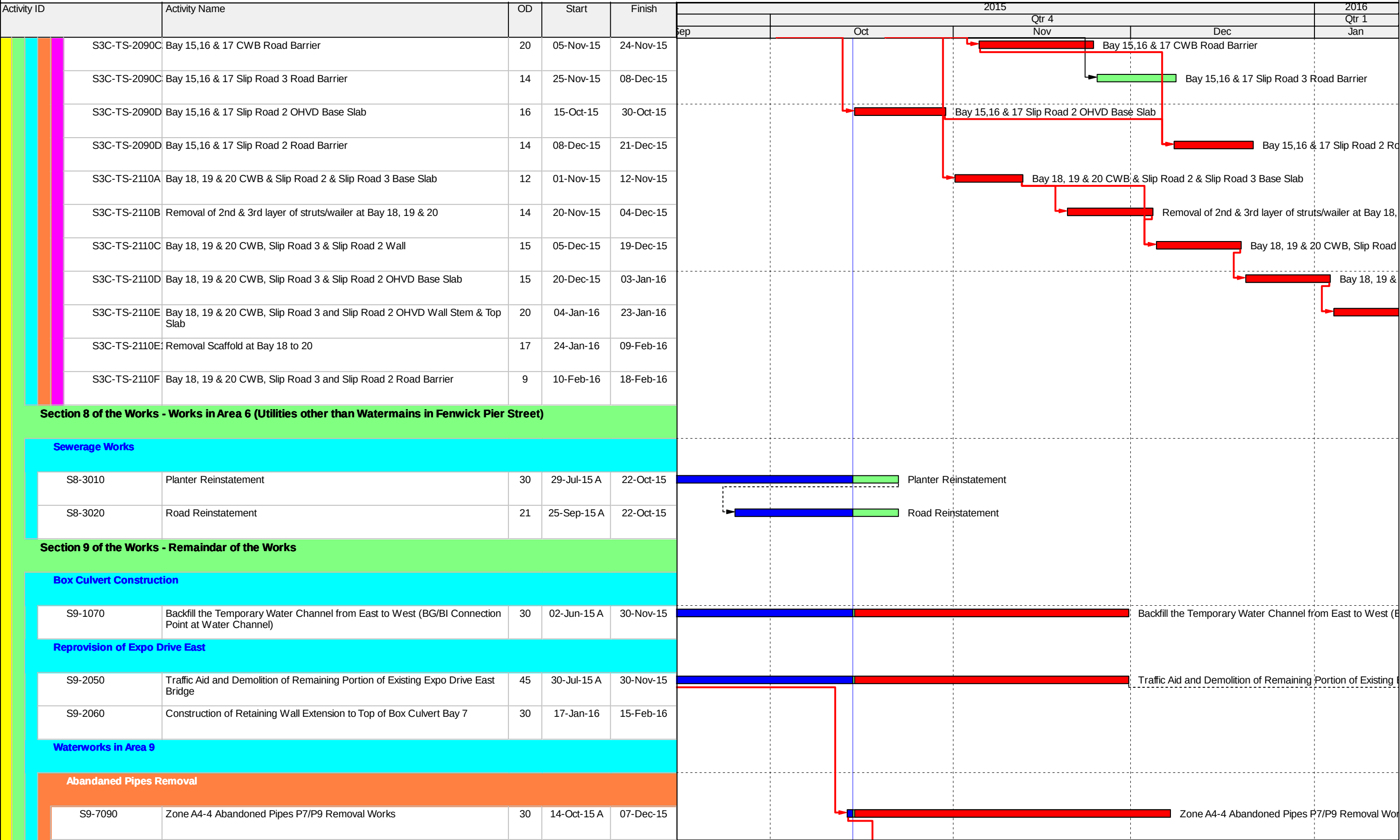


Appendix 10.1

Construction Programme of Individual Contracts

Activity ID	Activity Name	OD	Start	Finish	2015					2016
					Sep	Oct	Qtr 4		Qtr 1	
							Nov	Dec	Jan	
HK/2009/01 - Revised Works Progress Rev. 6H (Data Date: 15 Oct 15)										
Section 3 of the Works - CWB Tunnel, Slip Roads 2 & 3, Works in Area 8										
CWB Tunnelling Works (Stage 1 : CH2947 - CH3045)										
Stage 1 - Tunnel Structure Works (Bay 1 to Bay 7 : Ch2947 - Ch 3045)										
Tunnel Structure at Stage 1A & 1B (CH2947 - CH3045)										
S3A-TS-2080	Backfilling to formation level for Stage 1B (CH 80 to CH 120)	200	19-Jan-15 A	15-Nov-15	Backfilling to formation level for Stage 1B (CH 80 to CH 120)					
CWB Tunnelling Works (Stage 2 : Ch3045 - Ch3129)										
Stage 2 - Tunnel Structure Works (Bay 7 to Bay 10 : CH3045 - CH3129)										
S3B-TS-1160C2	Construction of Bay 9 Slip Road 2 Wall	10	26-Sep-15 A	21-Oct-15	Construction of Bay 9 Slip Road 2 Wall					
S3B-TS-1160C3	Construction of Bay 9 Slip Road 2 Road Barrier	14	07-Oct-15 A	19-Oct-15	Construction of Bay 9 Slip Road 2 Road Barrier					
S3B-TS-1160E1	Construction of Retaining Wall 2 Road Barrier including Demolish ofTemporary Dwall to Cut-off Level	14	14-Oct-15 A	27-Oct-15	Construction of Retaining Wall 2 Road Barrier including Demolish ofTemporary Dwall to Cut-off Level					
S3B-TS-1165A1	Construction of Bay 9 Slip Road 3 Top Slab & Portal Wall	25	05-Oct-15 A	18-Oct-15	Construction of Bay 9 Slip Road 3 Top Slab & Portal Wall					
S3B-TS-1165B	Construction of Bay 7, 8 & 9 Slip Road 3 Road Barrier	10	20-Aug-15 A	08-Nov-15	Construction of Bay 7, 8 & 9 Slip Road 3 Road Barrier					
S3B-TS-1165E	Construction of Bay 4, 5 & 6 Slip Road 3 Road Barrier	14	24-Sep-15 A	28-Oct-15	Construction of Bay 4, 5 & 6 Slip Road 3 Road Barrier					
S3B-TS-1180A	Bay 9b & 10 CWB Road Barrier	20	03-Oct-15 A	22-Oct-15	Bay 9b & 10 CWB Road Barrier					
S3B-TS-9000A	Backfilling to Formation Level (CWB) - 12,000cu.m	20	03-Aug-15 A	22-Dec-15	Backfilling to Formation Level					
CWB Tunnelling Works (Stage 3 : Ch3129 - Ch3245)										
Stage 3 - Excavation Works (Ch3129 - Ch3245)										
Excavation Works at Stage 3										
S3C-EW-1010E	Excavation to -16mPD (approx 55,000m3)	100	13-Mar-15 A	31-Oct-15	Excavation to -16mPD (approx 55,000m3)					
Stage 3 - Tunnel Structure Works (Bay 11 to Bay 20 : Ch3129 - Ch3245)										
Tunnel Structure at Stage 3A & 3B (CH3129 - CH3245)										
S3C-TS-2000E	Bay 11 to Bay 13 Slip Road 3 Wall	10	22-Oct-15	31-Oct-15	Bay 11 to Bay 13 Slip Road 3 Wall					
S3C-TS-2000E	Access reseved for HyD's CC prior to completion of Slip Road 2	80	01-Nov-15	17-Dec-15	Access reseved for HyD's CC prior to					

Activity ID	Activity Name	OD	Start	Finish	2015				2016
					Qtr 4				Qtr 1
					Sep	Oct	Nov	Dec	Jan
	S3C-TS-2000E Bay 11 to Bay 13 Slip Road 3 OHVD Base Slab	15	18-Dec-15	01-Jan-16					Bay 11 to Bay 13
	S3C-TS-2000E Bay 11 to Bay 13 Slip Road 3 Top Slab	15	02-Jan-16	16-Jan-16					
	S3C-TS-2000E Bay 11 to Bay 13 Slip Road 3 Scaffold Removal	14	17-Jan-16	30-Jan-16					
	S3C-TS-2000E Bay 11 to Bay 13 Slip Road 3 Road Barrier	13	31-Jan-16	12-Feb-16					
	S3C-TS-2000I Bay 11 to Bay 13 CWB Road Barrier	20	02-Oct-15 A	21-Oct-15					
	S3C-TS-2000K Bay 10 to Bay 13 Slip Road 2 Base Slab	10	06-Oct-15 A	17-Oct-15					
	S3C-TS-2000L Bay 10 to Bay 13 Slip Road 2 Wall (N)	10	18-Oct-15	27-Oct-15					
	S3C-TS-2000L Removal of 1st layer of strut/waling	9	28-Oct-15	05-Nov-15					
	S3C-TS-2000L Bay 10 to Bay 13 Slip Road 2 OHVD Base Slab	14	06-Nov-15	19-Nov-15					
	S3C-TS-2000L Bay 10 to Bay 13 Slip Road 2 Roof Slab	14	20-Nov-15	03-Dec-15					
	S3C-TS-2000L Bay 10 to Bay 13 Slip Road 2 Scaffold Removal	14	04-Dec-15	17-Dec-15					
	S3C-TS-2000L Bay 10 to Bay 13 Slip Road 2 Road Barrier	14	18-Dec-15	31-Dec-15					
	S3c-TS-2000I Remove Temp. Steel Bridge linking to Bay 10 Top Slab	7	26-Oct-15*	01-Nov-15					
	S3C-TS-2000M Construction of Bay 10 Slip Road 3 Wall & Roof Slab	14	18-Dec-15	31-Dec-15					
	S3C-TS-2000N Construction of Bay 10 Slip Road 3 Road Barrier	7	11-Jan-16	17-Jan-16					
	S3C-TS-2030D Remove 2nd layer of Strut/Waling (Bay 14) including waiting time of cube strength of Bay 14 SR02 Wall	7	06-Oct-15 A	22-Oct-15					
	S3C-TS-2030H Bay 14 CWB and Slip Road 3 Scaffold Removal	10	28-Oct-15*	07-Nov-15					
	S3C-TS-2030H Bay 14 CWB and Slip Road 3 Road Barrier	14	08-Nov-15	21-Nov-15					
	S3C-TS-2030I Bay 14 Slip Road 2 OHVD Base Slab	14	22-Oct-15*	04-Nov-15					
	S3C-TS-2030J Bay 14 Slip Road 2 Top Slab	10	05-Nov-15	14-Nov-15					
	S3C-TS-2030J Bay 14 Slip Road 2 Road Barrier	14	19-Dec-15	01-Jan-16					
	S3C-TS-2030K Backfilling to Road formation level from Bay 10 to Bay 14	30	04-Dec-15	02-Jan-16					
	S3C-TS-2090C Bay 15,16 & 17 CWB & Slip Road 3 Wall & OHVD Base Slab	15	02-Oct-15 A	20-Oct-15					
	S3C-TS-2090C Bay 15,16 & 17 CWB & Slip Road 3 Wall Stem	15	02-Oct-15 A	20-Oct-15					



Activity ID	Activity Name	OD	Start	Finish	2015				2016
					Qtr 4				Qtr 1
					Sep	Oct	Nov	Dec	Jan
S9-7100	Zone X1-4a Abandoned Pipes P5 Removal Works	14	20-Oct-15*	08-Dec-15					
Section 9A of the Works - Landscape Softworks in Area 9									
S9A-1000	Transplanting at Expo Drive East and Convention Avenue Junction	180	15-Oct-15	11-Apr-16					
S9A-2000	Landscape Softworks in Area 9 Footpath	60	15-Oct-15	30-Dec-15					
S9A-3000	Completion of the Landscape Softworks in Area 9	0		30-Dec-15					
Section 9B of the Works - Establishment Works in Area 9									
S9B-1000	Establishment Works at Area 9	365	11-Apr-16	10-Apr-17					
Variation Order No.153 - Design and Construct CWB Bypass Tunnel from CH3246 to CH3278									
Preliminaries									
Major Method Statement & Design Submission and Approval									
DS-0020	ELS Design Submission	28	15-Oct-15	28-Oct-15					
DS-0040	Tunnel Structure Design Submission	28	09-Dec-15	16-Jan-16					
MS-0040	Method Statement for Tunnel Excavation in Area 8	7	29-Oct-15	04-Nov-15					
MS-0060	Method Statement for Tunnel Construction in Area 8	14	05-Nov-15	18-Nov-15					
Works at Area 8 - CWB Tunnel, Slip Roads 2 & 3, Works in Area 8									
CWB Tunnelling Works (Stage 4: Ch3246 - Ch3278)									
Stage 4 - Pre-bored H-pile and Dewatering Works (CH3246 - CH3278)									
S4-FW-0020	Installation of Surface Pump Wells (6 nos)	14	15-Oct-15	28-Oct-15					
Stage 4 - Excavation Works (CH3246 - CH3278) include Demolition of C2E BH Wall									
S4-EW-0010	Stage 4 ELS - excavate to approx. -1.5mPD and installation of 1st layer strut/waling at -0.5mPD (approx. 6700 cu.m)	21	26-Jun-15 A	12-Nov-15					
S4-EW-0020	Stage 4 ELS - excavate to approx. -5.7mPD and installation of 2nd layer strut/waling at -4.7mPD (approx. 6600 cu.m)	21	13-Nov-15	04-Dec-15					
S4-EW-0030	Stage 4 ELS - excavate to approx. -10mPD and installation of 3rd layer strut/waling at -9mPD (approx. 6700 cu.m)	21	05-Dec-15	26-Dec-15					
S4-EW-0050	Stage 4 ELS - excavate to formation approx. -15.3mPD (approx. 10,000 cu.m)	20	27-Dec-15	16-Jan-16					
Stage 4 - Tunnel Structure Works (Bay 21 to Bay 22 : CH3246 - CH3278)									

Activity ID	Activity Name	OD	Start	Finish	2015				2016
					Qtr 4				Qtr 1
					Sep	Oct	Nov	Dec	Jan
	S4-TS-0005	Pile Head Fabrication	15	11-Jan-16	24-Jan-16				
	S4-TS-0010	Bay 21 Base Slab	10	25-Jan-16	03-Feb-16				
	S4-TS-0020	Bay 22 Base Slab	10	28-Jan-16	06-Feb-16				
	S4-TS-0030	Removal of 2nd and 3rd layer of Strut/Waling	28	07-Feb-16	06-Mar-16				
	S4-TS-0040	Bay 21 & 22 Wall	15	07-Mar-16	22-Mar-16				
	S4-TS-0050	Bay 21 & 22 Wall & OHVD Base Slab	15	23-Mar-16	06-Apr-16				
	S4-TS-0060	Bay 21 & 22 OHVD Wall Stem and Top Slab	15	07-Apr-16	22-Apr-16				

- ◆ Milestone
- ◆ Critical Milestones
- Current Works
- Critical Works

CHUN WO - CRGL
JOINT VENTURE

CEDD CONTRACT NO. HK/2009/02
WD II - Central Wanchai Bypass at Wan Chai East (Contract 2)
3-MONTH ROLLING PROGRAMME (dd 20-Dec-15)

[illegible]

Activity ID		Activity Name	On Dur	Rem Dur	Scheduled/ Actual Start	Scheduled/ Actual Finish	Total Float	Calendar	2015		2016		2016		2016		2016	
									Dec		Jan		Feb		Mar		Apr	
S9B-T34-B3-1020		Base Slab - Rebar Fixing	7	7	08-Feb-16	14-Feb-16	-680	Calendar Day					Base Slab - Rebar Fixing, Base Slab - Rebar Fixing		Base Slab - Rebar Fixing, Base Slab - Rebar Fixing			
S9B-T34-B3-1030		Base Slab - Concrete	1	1	15-Feb-16	15-Feb-16	-662	Calendar Day					Base Slab - Concrete, Base Slab - Concrete		Base Slab - Concrete, Base Slab - Concrete			
S9B-T34-B3-1040		Base Slab - Curing	4	4	16-Feb-16	19-Feb-16	-662	Calendar Day					Base Slab - Curing, Base Slab - Curing		Base Slab - Curing, Base Slab - Curing			
S9B-T34-B3-1150		Wall (Middle) - Rebar Fixing & Working Platform	4	4	15-Mar-16	18-Mar-16	-657	Calendar Day							Wall (Middle) - Rebar Fixing & Working Platform			
Bay 4																		
S9B-T34-B4-1000		Base Slab - Trim Bored Pile & Blinding	7	7	11-Feb-16	17-Feb-16	-677	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B4-1010		Base Slab - Waterproofing	4	4	18-Feb-16	21-Feb-16	-677	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
S9B-T34-B4-1020		Base Slab - Rebar Fixing	7	7	25-Feb-16	02-Mar-16	-680	Calendar Day					Base Slab - Rebar Fixing, Base Slab - Rebar Fixing		Base Slab - Rebar Fixing, Base Slab - Rebar Fixing			
S9B-T34-B4-1030		Base Slab - Concrete	1	1	03-Mar-16	03-Mar-16	-679	Calendar Day					Base Slab - Concrete, Base Slab - Concrete		Base Slab - Concrete, Base Slab - Concrete			
S9B-T34-B4-1040		Base Slab - Curing	4	4	04-Mar-16	07-Mar-16	-679	Calendar Day					Base Slab - Curing, Base Slab - Curing		Base Slab - Curing, Base Slab - Curing			
Bay 5																		
S9B-T34-B5-1000		Base Slab - Trim Bored Pile & Blinding	7	7	16-Feb-16	23-Feb-16	-668	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B5-1010		Base Slab - Waterproofing	4	4	23-Feb-16	27-Feb-16	-668	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
Bay 6																		
S9B-T34-B6-1000		Base Slab - Trim Bored Pile & Blinding	7	7	26-Feb-16	04-Mar-16	-666	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B6-1010		Base Slab - Waterproofing	4	4	04-Mar-16	08-Mar-16	-665	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
Bay 7																		
S9B-T34-B7-1000		Base Slab - Trim Bored Pile & Blinding	7	7	13-Feb-16	20-Feb-16	-672	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B7-1010		Base Slab - Waterproofing	4	4	20-Feb-16	24-Feb-16	-672	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
S9B-T34-B7-1020		Base Slab - Rebar Fixing	7	7	03-Mar-16	09-Mar-16	-680	Calendar Day					Base Slab - Rebar Fixing, Base Slab - Rebar Fixing		Base Slab - Rebar Fixing, Base Slab - Rebar Fixing			
Bay 8																		
S9B-T34-B8-1000		Base Slab - Trim Bored Pile & Blinding	7	7	19-Feb-16	26-Feb-16	-666	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B8-1010		Base Slab - Waterproofing	4	4	26-Feb-16	01-Mar-16	-665	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
Bay 9																		
S9B-T34-B9-1000		Base Slab - Trim Bored Pile & Blinding	7	7	04-Mar-16	11-Mar-16	-666	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B9-1010		Base Slab - Waterproofing	4	4	11-Mar-16	15-Mar-16	-665	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
Bay 10																		
S9B-T34-B10-1000		Base Slab - Trim Bored Pile & Blinding	7	7	15-Mar-16	22-Mar-16	-666	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
Bay 11																		
S9B-T34-B11-1000		Base Slab - Trim Bored Pile & Blinding	7	7	08-Mar-16	15-Mar-16	-666	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B11-1010		Base Slab - Waterproofing	4	4	15-Mar-16	19-Mar-16	-664	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
Bay 13																		
S9B-T34-B13-1000		Base Slab - Trim Bored Pile & Blinding	7	7	13-Feb-16	20-Feb-16	-623	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B13-1010		Base Slab - Waterproofing	4	4	20-Feb-16	24-Feb-16	-623	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
S9B-T34-B13-1020		Base Slab - Rebar Fixing	7	7	24-Feb-16	02-Mar-16	-623	Calendar Day					Base Slab - Rebar Fixing, Base Slab - Rebar Fixing		Base Slab - Rebar Fixing, Base Slab - Rebar Fixing			
S9B-T34-B13-1030		Base Slab - Concrete	1	1	02-Mar-16	03-Mar-16	-623	Calendar Day					Base Slab - Concrete, Base Slab - Concrete		Base Slab - Concrete, Base Slab - Concrete			
S9B-T34-B13-1040		Base Slab - Curing	4	4	03-Mar-16	07-Mar-16	-623	Calendar Day					Base Slab - Curing, Base Slab - Curing		Base Slab - Curing, Base Slab - Curing			
Bay 14																		
S9B-T34-B14-0990		Base Slab - Trim Bored Pile & Blinding	7	7	20-Feb-16	27-Feb-16	-606	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B14-1000		Base Slab - Waterproofing	4	4	29-Feb-16	04-Mar-16	-602	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
S9B-T34-B14-1010		Base Slab - Rebar Fixing	10	10	04-Mar-16	14-Mar-16	-594	Calendar Day					Base Slab - Rebar Fixing, Base Slab - Rebar Fixing		Base Slab - Rebar Fixing, Base Slab - Rebar Fixing			
Bay 15																		
S9B-T34-B15-0990		Base Slab - Trim Bored Pile & Blinding	7	7	27-Feb-16	05-Mar-16	-606	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B15-1000		Base Slab - Waterproofing	4	4	05-Mar-16	09-Mar-16	-603	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
S9B-T34-B15-1010		Base Slab - Rebar Fixing	7	7	09-Mar-16	16-Mar-16	-596	Calendar Day					Base Slab - Rebar Fixing, Base Slab - Rebar Fixing		Base Slab - Rebar Fixing, Base Slab - Rebar Fixing			
Bay 16																		
S9B-T34-B16-0990		Base Slab - Trim Bored Pile & Blinding	7	7	05-Mar-16	12-Mar-16	-606	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B16-1000		Base Slab - Waterproofing	4	4	12-Mar-16	16-Mar-16	-606	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
S9B-T34-B16-1010		Base Slab - Rebar Fixing	10	10	16-Mar-16	26-Mar-16	-606	Calendar Day					Base Slab - Rebar Fixing, Base Slab - Rebar Fixing		Base Slab - Rebar Fixing, Base Slab - Rebar Fixing			
Bay 17																		
S9B-T34-B17-0990		Base Slab - Trim Bored Pile & Blinding	7	7	20-Feb-16	27-Feb-16	-599	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B17-1000		Base Slab - Waterproofing	4	4	27-Feb-16	02-Mar-16	-589	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			
S9B-T34-B17-1010		Base Slab - Rebar Fixing	7	7	02-Mar-16	09-Mar-16	-589	Calendar Day					Base Slab - Rebar Fixing, Base Slab - Rebar Fixing		Base Slab - Rebar Fixing, Base Slab - Rebar Fixing			
S9B-T34-B17-1020		Base Slab - Concrete	1	1	09-Mar-16	10-Mar-16	-589	Calendar Day					Base Slab - Concrete, Base Slab - Concrete		Base Slab - Concrete, Base Slab - Concrete			
Bay 18																		
S9B-T34-B18-1000		Base Slab - Trim Bored Pile & Blinding	5	5	27-Feb-16	03-Mar-16	-599	Calendar Day					Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding		Base Slab - Trim Bored Pile & Blinding, Base Slab - Trim Bored Pile & Blinding			
S9B-T34-B18-1010		Base Slab - Waterproofing	3	3	03-Mar-16	06-Mar-16	-599	Calendar Day					Base Slab - Waterproofing, Base Slab - Waterproofing		Base Slab - Waterproofing, Base Slab - Waterproofing			

- ◆ Milestone
- ◆ Critical Milestones
- Current Works
- Critical Works

CEDD CONTRACT NO. HK/2009/02
WD II - Central Wanchai Bypass at Wan Chai East (Contract 2)
3-MONTH ROLLING PROGRAMME (dd 20-Dec-15)

[illegible]

Activity ID	Activity Name	Start	Finish	Remaining Duration	Activity % Complete	2015					2016
						Sep	Oct	Nov	Dec	Jan	
Total		01-Jan-15 A	28-Dec-15	80							
HK/2012/08 Revised Works Programme Rev.5_Updated as of 20-Sep-15		01-Jan-15 A	28-Dec-15	80							
Dredging and Reclamation		21-Aug-15 A	15-Dec-15	71							
Marine Work Construction		21-Aug-15 A	15-Dec-15	71							
Zone A1		11-Nov-15	15-Dec-15	30							
Seawall Construction - Zone A1		11-Nov-15	15-Dec-15	30							
MAR10310	Zone A1 - seawall - Type 3 - fill rock mound	11-Nov-15	18-Nov-15	8	0%						
MAR10312	Zone A1 - seawall - Type 3 - lay toe block and leveling stone	19-Nov-15	26-Nov-15	8	0%						
MAR10320	Zone A1 - seawall - install block seawall type 3	27-Nov-15	04-Dec-15	8	0%						
MAR10340	Zone A1 - seawall - place type A behind seawall Type 3	05-Dec-15	10-Dec-15	6	0%						
MAR10345	Zone A1 - seawall - lay geotextile and filter behind seawall Type 3	11-Dec-15	15-Dec-15	4	0%						
Zone A2		21-Aug-15 A	06-Oct-15	12							
Seawall Construction - Zone A2		21-Sep-15	06-Oct-15	12							
MAR10815	Zone A2 - seawall - place type A behind seawall Type 4 and Type 13 up to -1.5 mPD	21-Sep-15	26-Sep-15	6	0%						
MAR10817	Zone A2 - seawall - lay geotextile and filter behind seawall Type 4 and Type 13 up to -1.5 mPD	29-Sep-15	06-Oct-15	6	0%						
Filling - Zone A2		21-Aug-15 A	21-Sep-15	1							
MAR20365	Zone A2(2) - Public Fill -4.0 to +4.0mPD (behind Type 4 & 13 for temp channel outlet)	21-Aug-15 A	21-Sep-15	1	95%						
Zone C		21-Sep-15	28-Oct-15	30							
Dredging - Zone C		21-Sep-15	28-Oct-15	30							
MAR11520	Zone C - Cut existing pipe pile (2 nos.)	21-Sep-15	28-Oct-15	30	0%						
Zone D		21-Sep-15	15-Dec-15	71							
Seawall Construction - Zone D		21-Sep-15	19-Nov-15	49							
Seawall 10 & 11		21-Sep-15	22-Oct-15	25							
MAR20582	Zone D - fill rock mound for Seawall 10 & 11	21-Sep-15	22-Sep-15	2	0%						
MAR20584	Zone D - lay toe block and level stone for Seawall 10 & 11	23-Sep-15	03-Oct-15	8	0%						
MAR20605	Zone D - Install block seawall 10	05-Oct-15	20-Oct-15	14	0%						
MAR20610	Zone D - Install block seawall 11	06-Oct-15	22-Oct-15	14	0%						
Seawall 9		23-Oct-15	19-Nov-15	24							
MAR11858	Zone D - fill rock mound for Seawall 9	23-Oct-15	24-Oct-15	2	0%						
MAR11859	Zone D - lay toe block and level stone for Seawall 9	26-Oct-15	03-Nov-15	8	0%						
MAR12300	Zone D - Install block seawall 9	04-Nov-15	19-Nov-15	14	0%						
Filling - Zone D		19-Nov-15	15-Dec-15	23							
Filling at North		19-Nov-15	15-Dec-15	23							

		CEDD Contract No. HK/2012/08 Wan Chai Development Phase II Central -Wan Chai Bypass at Wan Chai West					Page 2 / 5				
Activity ID	Activity Name	Start	Finish	Remaining Duration	Activity % Complete	2015					2016
						Sep	Oct	Nov	Dec	Jan	
MAR12160	Zone D - Sorted Public Fill up to +2.5mPD (north area)	19-Nov-15	02-Dec-15	12	0%						
MAR12180	Zone D - Sorted & Compacted Public Fill from +2.5 to +4mPD (north area)	02-Dec-15	15-Dec-15	12	0%						
Works for Section Completion		01-Jan-15 A	28-Dec-15	80							
Construction		01-Jan-15 A	28-Dec-15	80							
Section II - MVB Structure		08-Aug-15 A	24-Dec-15	79							
MVB Substructure - ELS & Structural Works for Portion A		08-Aug-15 A	24-Dec-15	79							
MVB Substructure - Structural Works for Portion A		08-Aug-15 A	24-Dec-15	79							
SII11120	Sec II - MVB A - Construct B3M slab, column and wall	08-Aug-15 A	27-Nov-15	55	24%						
SII11140	Sec II - MVB A - Remove Strut SL7 and SL6	18-Dec-15	24-Dec-15	5	0%						
MVB Substructure - ELS & Structural Works for Portion B		09-Sep-15 A	21-Sep-15	1							
MVB Substructure - ELS for Portion B		09-Sep-15 A	21-Sep-15	1							
SII11760	Sec II - MVB B: Excavation down to -25.45mPD	09-Sep-15 A	21-Sep-15	1	90%						
MVB Substructure - Piling Works		21-Sep-15	26-Nov-15	55							
MVB C - Prebored H Piles		21-Sep-15	26-Nov-15	55							
SII10400	Sec II - MVB C - construct prebored H-piles	21-Sep-15	03-Nov-15	35	0%						
SII10420	Sec II - MVB C - Loading Test for Prebored H-pile	04-Nov-15	26-Nov-15	20	0%						
Section II A- CWB Tunnel & Slip Road Structures and Facilities		17-Jan-15 A	28-Dec-15	80							
CWB CRIII & A1		17-Jul-15 A	28-Dec-15	80							
CWB A1 - ELS & Tunnel Structure		17-Jul-15 A	28-Dec-15	80							
CWB A1 - ELS Remaining		17-Jul-15 A	03-Nov-15	35							
SIIA11286	Sec IIA - CWB A1 : Shoring & Excavation (Remaining)	17-Jul-15 A	03-Nov-15	35	0%						
CWB A1 - Tunnel Structure Remaining		04-Nov-15	28-Dec-15	45							
SIIA13045	Sec II A - CWB A1: Pile head + trough + base & wall + OHVD unit (Bay 1)	04-Nov-15	28-Dec-15	45	0%						
SIIA13048	Sec IIA - CWB A1 : Pile head + trough + base & wall + OHVD (Bay 3)	04-Nov-15	28-Dec-15	45	0%						
CWB A1 - Other Works		20-Sep-15	13-Oct-15	24							
SIIA15500	Zone A2(2) - Public Fill -4.0 to +4.0mPD (behind Type 4 & 13 for temp channel outlet)	20-Sep-15	13-Oct-15	24	0%						
CWB A2(2)		20-Aug-15 A	23-Nov-15	51							
CWB A2 (2) - Dwall & Piling		20-Aug-15 A	23-Nov-15	51							
SIIA13500	Sec II A - CWB A2 : backfill to +4.0mPD	20-Aug-15 A	22-Sep-15	2	90%						
SIIA15260	Sec II A - CWB A2 : Predrilling for Dwall & piles	11-Sep-15 A	09-Nov-15	39	2%						
SIIA15280	Sec II A - CWB A2 : Ground treatment	21-Sep-15	09-Nov-15	40	0%						
SIIA15300	Sec II A - CWB A2 : construct Guide Wall	30-Sep-15	17-Nov-15	40	0%						
SIIA15420	Sec II A - CWB A2 Loading Test for Prebored H-pile	30-Oct-15	23-Nov-15	20	0%						
CWB B (& A2(1))		30-Apr-15 A	11-Dec-15	67							
CWB B - Dwall & Piling		30-Apr-15 A	06-Nov-15	37							
SIIA11540	Sec II A - CWB B (&A2(1)) : Construct pre-bored H-pile	30-Apr-15 A	22-Sep-15	1	98%						
SIIA11560	Sec II A - CWB B: Concrete Plug (MTR TWL)	15-Jun-15 A	06-Nov-15	37	40.32%						

		CEDD Contract No. HK/2012/08 Wan Chai Development Phase II Central -Wan Chai Bypass at Wan Chai West					Page 3 / 5				
Activity ID	Activity Name	Start	Finish	Remaining Duration	Activity % Complete	2015					2016
						Sep	Oct	Nov	Dec	Jan	
	SIIA11565	Sec II A - CWB B: Sheetpile Bulkhead Wall for "Delink"	29-Sep-15	26-Oct-15	21	0%					
	CWB B - Pumping Test Preparation		13-Jun-15 A	11-Dec-15	67						
	SIIA11580	Sec II A - CWB B: Dwall sonic test / interface core	13-Jun-15 A	30-Oct-15	31	48.33%					
	SIIA11600	Sec II A - CWB B: Dwall precaution grout / fissure grout / grout curtain	13-Jun-15 A	30-Oct-15	31	48.33%					
	SIIA11620	Sec II A - CWB B: Install dewatering/ recharging/ observation well	14-Jul-15 A	04-Nov-15	35	12.5%					
	SIIA11640	Sec II A - CWB B: Pumping Test	06-Nov-15	14-Nov-15	7	0%					
	SIIA11660	Sec II A - CWB B: Demolish Guide Wall	06-Nov-15	11-Dec-15	30	0%					
	CWB C (W)		16-Jun-15 A	02-Dec-15	60						
	CWB C(W) - Dwall Construction		16-Jun-15 A	24-Nov-15	53						
	SIIA11960	Sec II A - CWB CW: Concrete Plug (MTR TWL)	16-Jun-15 A	24-Nov-15	53	14.52%					
	SIIA11980	Sec II A - CWB CW: D-wall contact grout / fissure grout	21-Sep-15*	09-Nov-15	40	0%					
	SIIA12000	Sec II A - CWB CW: Dwall sonic test / interface core	21-Sep-15	09-Nov-15	40	0%					
	CWB C(W) - Pumping Test Preparation/ Pumping Test		21-Sep-15	02-Dec-15	60						
	SIIA12020	Sec II A - CWB CW: Install dewatering/ recharging/ observation wells	21-Sep-15	09-Nov-15	40	0%					
	SIIA12040	Sec II A - CWB CW: Pumping Test	25-Nov-15	02-Dec-15	8	0%					
	CWB C (E)		30-Mar-15 A	28-Oct-15	30						
	CWB C(E) & Enabling Work - Dwall Construction		30-Mar-15 A	28-Oct-15	30						
	CWB C(E) - Dwall Construction		30-Mar-15 A	08-Oct-15	14						
	SIIA12980	Sec II A - CWB CE: ground pre-treatment	30-Mar-15 A	08-Oct-15	14	79%					
	SCL Enabling Work - Dwall Construction		21-Sep-15	28-Oct-15	30						
	SIIA13085	Sec II A - CWB CE: Cut existing pipe piles (2 nos.)	21-Sep-15	28-Oct-15	30	0%					
	CWB D - Slip Road 1		17-Jan-15 A	25-Nov-15	54						
	CWB D - Slip Road 1 - Dwall Construction & Piling		17-Jan-15 A	14-Nov-15	45						
	SIIA12260	Sec II A - CWB SR1: ground pre-treatment	17-Jan-15 A	05-Oct-15	11	90.83%					
	SIIA12305	Sec II A - CWB SR1: construct Permanent DWall (1.2m thk)	07-Apr-15 A	15-Oct-15	20	79%					
	SIIA12310	Sec II A - CWB SR1: construct pre-bored H-pile	20-Aug-15 A	11-Nov-15	41	2%					
	SIIA12340	Sec II A - CWB SR1: Concrete Plug (MTR TWL)	07-Oct-15	14-Nov-15	32	0%					
	CWB D - Slip Road 1 - Pumping Test Preparation/ Pumping Test		22-Sep-15	25-Nov-15	52						
	SIIA12360	Sec II A - CWB SR1: Grout curtain / contact grout for Dwall	22-Sep-15	09-Nov-15	38	0%					
	SIIA12380	Sec II A - CWB SR1: Dwall sonic test / interface core	22-Sep-15	09-Nov-15	38	0%					
	SIIA12400	Sec II A - CWB SR1: Install dewatering/ recharging/ observation wells	30-Sep-15	16-Nov-15	38	0%					
	SIIA12420	Sec II A - CWB SR1: Pumping Test	16-Nov-15	25-Nov-15	8	0%					
	Section VI A - Box Culvert La, L1 & FRP-L Construction		21-Sep-15	30-Nov-15	58						
	Sec VI C - Box Culvert La bay 4 (North)		21-Sep-15	30-Nov-15	58						
	CUL11652	Sec VI C - Culvert L - bay 4 (north half) - excavate to formation level	21-Sep-15	13-Oct-15	18	0%					
	CUL11655	Sec VI C - Culvert L - bay 4 (north half) - place granular fill and lay geotextile filter	14-Oct-15	26-Oct-15	10	0%					
	CUL11660	Sec VI C - Culvert L - bay 4 - backfill	27-Oct-15	30-Nov-15	30	0%					

		CEDD Contract No. HK/2012/08 Wan Chai Development Phase II Central -Wan Chai Bypass at Wan Chai West				Page 4 / 5				
Activity ID	Activity Name	Start	Finish	Remaining Duration	Activity % Complete	2015				2016
						Sep	Oct	Nov	Dec	Jan
Box Culvert L1 & FRP-L Construction (Bay 5 - Bay 7)		21-Sep-15	21-Dec-15	76						
Box Culvert L1 & FRP-L - Bay 5 to 7 Structure		21-Sep-15	23-Oct-15	26						
Box Culvert L1 & FRP-L - Precast Unit Installation		21-Sep-15	23-Oct-15	26						
CUL10874	Sec VI C - Culvert L - bay 5-7 - Demolition of Temp Platform & Cofferdam ready for towing precast culvert units	21-Sep-15	06-Oct-15	12	0%					
CUL10875	Sec VI C - Culvert L - bay 5-7 (& Bay 4b) - install precast culvert units & Touch Up	07-Oct-15	23-Oct-15	14	0%					
Box Culvert L1 & FRP-L - Bay 5 & 6 Backfill & Others		24-Oct-15	21-Dec-15	50						
CUL10878	Sec VI C - Culvert L - bay 5, 6 - backfill to +4.0mPD	24-Oct-15	09-Dec-15	40	0%					
CUL10879	Sec VI C - Culvert L - bay 5, 6 - trim to formation level and handover Area 6	10-Dec-15	21-Dec-15	10	0%					
Box Culvert L1 & FRP-L - Bay 9 to 11		21-Sep-15	02-Dec-15	60						
Box Culvert L1 & FRP-L - Bay 9-11 Others		21-Sep-15	02-Dec-15	60						
CUL12020	Culvert L - bay 9-11 - backfill from top slab to final formation level	21-Sep-15	02-Dec-15	60	0%					
Box Culvert L1 & FRP-L - Bay 12 to 13		03-Jun-15 A	14-Dec-15	70						
Box Culvert L1 & FRP-L - Bay 12 to 13 Piling		21-Sep-15	28-Oct-15	30						
CUL12356	Culvert L - bay 13 - construct pre-bored H-pile (PC10 & PC11)	21-Sep-15*	28-Oct-15	30	0%					
Box Culvert L1 & FRP-L - Bay 12 to 13 Temp Work & ELS		03-Jun-15 A	02-Dec-15	60						
CUL12385	Culvert L - bay 12 - ELS and bulk excavation & Dwall Break Through Ready for Diversion	03-Jun-15 A	07-Oct-15	13	0%					
CUL12405	Culvert L - bay 12 & 13 - extract sheet piles ready for flow diversion (from Bay 4 to Bay 11)	07-Oct-15	10-Oct-15	4	0%					
CUL12480	Culvert L - bay 12 & 13 - pile head treatment and construct pile cap PC9, PC10 & PC11	29-Oct-15	02-Dec-15	30	0%					
Box Culvert L1 & FRP-L - Bay 12 to 13 Structure		21-Sep-15	14-Dec-15	70						
CUL12545	Culvert L - bay 12 & 13 - Construct Precast Units (off site)	21-Sep-15*	02-Dec-15	60	0%					
CUL12548	Culvert L - bay 12 & 13 - Deliver and Install Precast Units	03-Dec-15	14-Dec-15	10	0%					
Section VI C - Area 3, 6, 8A & 8C		01-Jan-15 A	19-Dec-15	75						
Area 8A & 8C - Seawall Modification		30-May-15 A	03-Dec-15	61						
Modification of Seawall		30-May-15 A	03-Dec-15	61						
Modification of Seawall - Zone 1 & 2		30-May-15 A	03-Dec-15	61						
PRS10043	Sec VIC - Pipe Pile P32 to P62	30-May-15 A	23-Sep-15	3	50%					
PRS10044	Sec VIC - P33, P33A, P34, P34A, P35, P35A	20-Aug-15 A	06-Oct-15	12	50%					
PRS10060	Sec VIC - Working Platform & P7 to P18, P23 & P24, P20A & P19	07-Oct-15	25-Nov-15	42	0%					
PRS10080	Sec VIC - Working Platform & P59, P59A, P60, P60A, P62, P62A	27-Oct-15	03-Dec-15	32	0%					
Modification of Seawall - Zone 4		23-Sep-15	27-Oct-15	26						
PRS10160	Sec VIC - Working Platform (Zone 4)	23-Sep-15	05-Oct-15	8	0%					
PRS10180	Sec VIC - Pipe Pile P63 to P68 & P64A (Zone 4)	05-Oct-15	27-Oct-15	18	0%					
Area 6 - Box Culvert bay 5-6		18-Apr-15 A	27-Nov-15	56						
SVIC10000	Sec VI C - [Summary] Construct Box Culvert Bay 5-6	18-Apr-15 A	23-Oct-15	26	71.74%					
SVIC10020	Sec VI C - backfill to formation level at Area 6	24-Oct-15	27-Nov-15	30	0%					
Area 3 - Box Culvert bay 4 and Roadwork		01-Jan-15 A	19-Dec-15	75						
SVIC10220	Sec VI C - [Summary] Construct Box Culvert Bay 4 in Area 3	01-Jan-15 A	26-Oct-15	28	60%					

Activity ID	Activity Name	Start	Finish	Remaining Duration	Activity % Complete	2015					2016
						Sep	Oct	Nov	Dec	Jan	
SVIC10240	Sec VI C - reinstate and compact sub-base above Culvert L Bay 4 in Area 3	01-Dec-15	08-Dec-15	7	0%						
SVIC10260	Sec VI C - reinstate road kerb in Area 3	01-Dec-15	07-Dec-15	6	0%						
SVIC10280	Sec VI C - reinstate flexible pavement in Area 3	08-Dec-15	14-Dec-15	6	0%						
SVIC10300	Sec VI C - reinstate footpath in Area 3	15-Dec-15	19-Dec-15	5	0%						
SVIC10320	Sec VI C - reinstate traffic sign and road marking in Area 3	19-Dec-15	19-Dec-15	1	0%						
Section VI D - Area 8B & 10		27-Sep-15	24-Dec-15	73							
WDII Box 1 Construction		27-Sep-15	24-Dec-15	73							
WDII Box 1 Submission and Approval / Material Procurement		27-Sep-15	25-Nov-15	60							
PCU60410	Sec VI D - WD II Box 1 - Prepare Subcontract for Box 1 structure	27-Sep-15	25-Nov-15	60	0%						
WDII Box 1 Existing Pile Head and Dry Dock		24-Oct-15	24-Dec-15	53							
WD-C3030	Sec VI D - form dry dock / waterproofing for Box 1 structure	24-Oct-15	15-Dec-15	45	0%						
WDII Box I Existing Pile Head Treatment		03-Dec-15	24-Dec-15	18							
PRS10255	Sec VIC - Mobilisation	03-Dec-15	10-Dec-15	6	0%						
PRS10260	Sec VIC - Pile Head at Pile A3	10-Dec-15	24-Dec-15	12	0%						
Section VII - Remainder Works		21-Sep-15	30-Nov-15	58							
Demolition of Interim Landing Steps and Construct Permanent Seawall at CRIII		21-Sep-15	30-Nov-15	58							
SVII10220	Sec VII - remove interim landing steps - protect open cut slope	21-Sep-15	22-Sep-15	2	0%						
SVII10240	Sec VII - remove interim landing steps - remove old seawall wall blocks	23-Sep-15	30-Sep-15	6	0%						
SVII10260	Sec VII - seawall - remove old rubble mound and dredging	02-Oct-15	08-Oct-15	6	0%						
SVII10280	Sec VII - seawall - final hydrographic survey	09-Oct-15	16-Oct-15	7	0%						
SVII10300	Sec VII - seawall - [summary] fill rubble mound	17-Oct-15	23-Nov-15	31	0%						
SVII10320	Sec VII - seawall - [summary] place caisson seawall type 1B(4), 2D and 1	09-Nov-15	30-Nov-15	19	0%						

WP13-0

Layout: CWB - Working Layout for DWP Rev M

Date Printed 26-Sep-14 11

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015				2016			
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
HY/2009/15 - Works Programme Rev. M (DD:20-Sep-12)														
Works in East Ventilation Adit - Based on Alternative Method														
Reinstatement of Breakwater														
S3_54840	Reinstatement works -west side	7d/wk-1	60d	21-Feb-14 08 A	30-Sep-14 18	-85d		Reinstatement works -west side						
S3_60085	Reinstatement works east side	7d/wk-1	60d	31-May-14 08 A	30-Sep-14 18	-85d		Reinstatement works east side						
S3_54845	Completion of Section 3 (KD8) in EVA Area (Alternative Method)	7d/wk-2	0d		30-Sep-14 18	-86d		Completion of Section 3 (KD8) in EVA Area (Alternative Method)						
Works in TS1/TS2 - OHVD and Cable Trough/Maintenance Walkway														
TS2 - OHVD and Cable Trough/Maintenance Walkway														
OHVD Slab and Cable Trough Construction														
S3_6210	TS2 - OHVD/ Cable trough	7d/wk-1	40d	20-May-14 08 A	30-Sep-14 18	-85d		TS2 - OHVD/ Cable trough						
S3_6212	Completion of Section 3 - TS1/TS2 Area (below -6mpd) KD8	7d/wk-2	0d		30-Sep-14 18	-86d		Completion of Section 3 - TS1/TS2 Area (below -6mpd) KD8						
Works in TS4/ME4 Area (Portion 14A, 14B, 15, 23)														
TS4/ME4 - Removal of Temporary Reclamation														
Remaining Works at TZ6														
Stage 4 - Seawall and Reclamation at TZ6														
A-2010	Installation of seawall blocks (Qty: 245 nos.)	7d/wk-2	6d	15-Sep-14 08 A	26-Sep-14 18	-332d		Installation of seawall blocks (Qty: 245 nos.)						
A-2020	Soil Backfilling up to -2.45mPD (Qty:3,000 cu.m.)	7d/wk-2	2d	25-Sep-14 08	26-Sep-14 18	-332d		Soil Backfilling up to -2.45mPD (Qty:3,000 cu.m.)						
A-2030	Utilities installation for Mined Tunnel	7d/wk-2	1d	27-Sep-14 08	27-Sep-14 18	-332d		Utilities installation for Mined Tunnel						
A-2040	Soil backfilling up to ground level (Qty:2,000 cu.m.)	7d/wk-2	2d	28-Sep-14 08	29-Sep-14 18	-332d		Soil backfilling up to ground level (Qty:2,000 cu.m.)						
A-2050	Site clearance	7d/wk-2	1d	30-Sep-14 08	30-Sep-14 18	-305d		Site clearance						
A-2060	Handover to MTR	7d/wk-2	0d		30-Sep-14 18	-305d		Handover to MTR						
Removal of Temporary Reclamation at TS4/ME4														
Stage 5 (Zones A, D & F - TS4-D33 to D-26, SCL2 & ME4-D19 to D13)														
A-3000	D-Wall horizontal cutting (Qty: 62 pcs.)	7d/wk-2	21d	29-Aug-14 08 A	23-Sep-14 18	-340d		D-Wall horizontal cutting (Qty: 62 pcs.)						
Stage 6 (Zone C - P4, ME4-D12 to ME4-D18 & P3)														
A-3011	Marine removal of temporary reclamation and seawall blocks (Zones C)	7d/wk-2	21d	31-Aug-14 08 A	02-Oct-14 18	-353d		Marine removal of temporary reclamation and seawall blocks (Zones C)						
A-3030	D-Wall vertical cutting (Qty: 15 pcs.)	7d/wk-2	4d	03-Oct-14 08	06-Oct-14 18	-353d		D-Wall vertical cutting (Qty: 15 pcs.)						
A-3040	D-Wall horizontal cutting (Qty: 20 pcs.)	7d/wk-2	5d	06-Oct-14 08	10-Oct-14 18	-352d		D-Wall horizontal cutting (Qty: 20 pcs.)						

- Summary Bar
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

1 of 18

China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

WORKS PROGRAMME REV. M

Prepared by William Caluza

Date	Revision	Checked	Approved
26-Sep...	1st submission		



中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015							2016		
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3		
Stage 7 (Zones C & E - ME4-D06 to D01, SCL1 & TS4-D25)																
A-4000	Marine removal of temporary reclamation and seawall blocks (Zones C & E)	7d/wk-2	18d	06-Sep-14 08 A	06-Oct-14 18	-353d										
A-3090	Hole coring (Qty: 44 nos)	7d/wk-2	9d	20-Sep-14 08*	28-Sep-14 18	-346d										
A-4010	D-Wall vertical cutting (Qty: 27pcs.)	7d/wk-2	7d	07-Oct-14 08	13-Oct-14 18	-353d										
A-4020	D-Wall horizontal cutting (Qty: 37 pcs.)	7d/wk-2	10d	11-Oct-14 08	20-Oct-14 18	-353d										
Stage 9 (Zone I - TS4-D01 to TS4-D08)																
A-3050	Remaining removal of temporary reclamation (Zone I)	7d/wk-2	28d	29-Aug-14 08 A	01-Oct-14 18	-342d										
A-3060	Hole coring (Qty: 25 nos)	7d/wk-2	5d	02-Oct-14 08	06-Oct-14 18	-342d										
A-3070	D-Wall vertical cutting (Qty: 14 pcs.)	7d/wk-2	3d	07-Oct-14 08	09-Oct-14 18	-342d										
A-3080	D-Wall horizontal cutting (Qty: 24 pcs.)	7d/wk-2	5d	21-Oct-14 08	25-Oct-14 18	-353d										
Stage 8 (Zones G & K - TS4-D24 to TS4-D15)																
A-4040	Relocation of RHKYC floating pontoon	7d/wk-2	5d	22-Sep-14 08*	26-Sep-14 18	-338d										
A-4050	Hole coring (Qty: 27 nos)	7d/wk-2	6d	29-Sep-14 08	04-Oct-14 18	-346d										
A-4060	Marine removal of temporary reclamation and seawall blocks (Zone G & K)	7d/wk-2	14d	11-Oct-14 08	24-Oct-14 18	-352d										
A-4070	D-Wall vertical cutting (Qty: 18pcs.)	7d/wk-2	4d	25-Oct-14 08	28-Oct-14 18	-352d										
A-4080	D-Wall horizontal cutting (Qty: 25 pcs.)	7d/wk-2	7d	26-Oct-14 08	01-Nov-14 18	-352d										
Stage 10 (Zone J - TS4-D09 to TS4-D14)																
A-4090	Land removal of temporary reclamation (Zone J)	7d/wk-2	10d	07-Oct-14 08	16-Oct-14 18	-344d										
A-5000	Hole coring (Qty: 32 nos)	7d/wk-2	7d	17-Oct-14 08	23-Oct-14 18	-340d										
A-5010	Marine removal of temporary reclamation (Zone J)	7d/wk-2	7d	26-Oct-14 08	01-Nov-14 18	-353d										
A-5020	D-Wall vertical cutting (Qty: 20 pcs.)	7d/wk-2	5d	02-Nov-14 08	06-Nov-14 18	-353d										
A-5030	D-Wall horizontal cutting (Qty: 26 pcs.)	7d/wk-2	7d	04-Nov-14 08	10-Nov-14 18*	-353d										
Stage 13 - Phase 3 Mooring																
A-5050	Final trimming of sea bed level	7d/wk-2	4d	02-Nov-14 08	05-Nov-14 18	-347d										
A-5060	Phase 3 Mooring	7d/wk-2	6d	06-Nov-14 08	11-Nov-14 18	-347d										
A-5040	Reinstatement of existing seawall (Zones I & J)	7d/wk-2	7d	11-Nov-14 08	17-Nov-14 18	-353d										
Stage 12 - Re-provisioning of Jetty																
S6_5258	Provision of Mobile Crane (until permanent re-provision of Jetty is completed)	7d/wk-1	160d	20-Feb-14 08 A	30-Dec-14 18	-335d										
A-5010	BA8 submission and consent for commencement of superstructure	7d/wk-2	28d	20-Sep-14 08 A	16-Oct-14 18	-336d										

Summary Bar

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

◆ Milestone

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China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

WORKS PROGRAMME REV. M

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中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015								2016																									
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3																										
A-6012	Submission of performance report	7d/wk-2	1d	25-Oct-14 08*	25-Oct-14 18	-286d		I	Submission of performance report																															
A-6020	Erection of working platform for jetty beams and reinstate the floating portoon	7d/wk-2	10d	02-Nov-14 08	11-Nov-14 18	-352d		■	Erection of working platform for jetty beams and reinstate the floating portoon																															
A-6040	BA10 submission for authorized signatory and subcontractor	7d/wk-2	1d	12-Nov-14 08	12-Nov-14 18	-304d		I	BA10 submission for authorized signatory and subcontractor																															
A-6030	Jetty beams construction	7d/wk-2	14d	12-Nov-14 08	25-Nov-14 18	-352d		■	Jetty beams construction																															
A-6052	Construction of floating pontoon	7d/wk-2	14d	26-Nov-14 08	09-Dec-14 18	-331d		■	Construction of floating pontoon																															
A-6050	BA13 submission + 14-day cube test results	7d/wk-2	28d	26-Nov-14 08	23-Dec-14 18	-352d		■	BA13 submission + 14-day cube test results																															
A-6060	E&M and accessories installation	7d/wk-2	7d	24-Dec-14 08	30-Dec-14 18	-352d		■	E&M and accessories installation																															
A-6070	Handover to RHKYC	7d/wk-2	1d	31-Dec-14 08	31-Dec-14 18	-352d			Handover to RHKYC																															
Stage 11 - Construction of TZ4																																								
A-6080	South side - laying rockfill and levelling stone (Qty: 1,550 cu.m)	7d/wk-2	12d	24-Sep-14 08	05-Oct-14 18	-339d		■	South side - laying rockfill and levelling stone (Qty: 1,550 cu.m)																															
A-6090	South side - install seawall blocks (Qty: 255 nos.)	7d/wk-2	6d	06-Oct-14 08	11-Oct-14 18	-339d		■	South side - install seawall blocks (Qty: 255 nos.)																															
A-7000	South side - general fill (Qty: 2,000 cu.m.)	7d/wk-2	2d	12-Oct-14 08	13-Oct-14 18	-339d		I	South side - general fill (Qty: 2,000 cu.m.)																															
A-7010	North side - laying rockfill and levelling stone (Qty: 1,550 cu.m)	7d/wk-2	12d	21-Oct-14 08	01-Nov-14 18	-346d		■	North side - laying rockfill and levelling stone (Qty: 1,550 cu.m)																															
A-7020	North side - install seawall blocks (Qty: 255 nos.)	7d/wk-2	6d	02-Nov-14 08	07-Nov-14 18	-346d		■	North side - install seawall blocks (Qty: 255 nos.)																															
A-7030	North side - general fill (Qty:2,000 cu.m.)	7d/wk-2	2d	08-Nov-14 08	09-Nov-14 18	-346d		I	North side - general fill (Qty:2,000 cu.m.)																															
A-7040	Handover to contract TS3/SR8	7d/wk-2	1d	10-Nov-14 08	10-Nov-14 18*	-346d		I	Handover to contract TS3/SR8																															
TS4/ME4, Removal of Temporary Reclamation																																								
S26875	Completion of Section 2 (With ME4 option) (KD7)	7d/wk-2	0d		17-Nov-14 18	-353d		◆	Completion of Section 2 (With ME4 option) (KD7)																															
S26890	Completion of Section 7B (ME4) (KD13)	7d/wk-2	0d		17-Nov-14 18	-353d		◆	Completion of Section 7B (ME4) (KD13)																															
TS4 - OHVD / Cable Trough																																								
S5_6185	TS4 (incl. TS4+) - OHVD Slab - Area C (access through temp. opening at TZ4)	7d/wk-1	36d	02-Jan-15 08*	06-Feb-15 18	195d			■	TS4 (incl. TS4+) - OHVD Slab - Area C (access through temp. opening at TZ4)																														
S5_6190	TS4 (incl. TS4+) - Cable Trough (access through temp. opening at TZ4)	7d/wk-1	60d	07-Feb-15 08*	14-Apr-15 18	195d			■	TS4 (incl. TS4+) - Cable Trough (access through temp. opening at TZ4)																														
S5_59850	Completion of Section 5 - TS4/ME4 Area (KD10), below -20mPD	7d/wk-2	0d		02-Nov-15 18*	0d				◆	Completion of Section 5 - TS4/ME4 Area (KD10), below -20m																													
Works in TPCWAE Area (Portion 20A, 20B)																																								
Removal of Temporary Reclamation																																								
Removal of Temporary Reclamation & Form TZ5																																								
S67670	Remove general fill /sea wall block	7d/wk-1	24d	20-May-14 08 A	08-Oct-14 18	-296d		■	Remove general fill /sea wall block																															
S67675	Diaphragm wall saw cutting (1st D Wall cut on 23 Jun 2014)	7d/wk-1	31d	03-Sep-14 08 A	16-Oct-14 18	-306d		■	Diaphragm wall saw cutting (1st D Wall cut on 23 Jun 2014)																															
S67755	Form TZ5	7d/wk-1	18d	25-Sep-14 08	14-Oct-14 18	-304d		■	Form TZ5																															
Summary Bar Actual Level of Effort Actual Work Remaining Work Critical Remaining Work ◆ Milestone							3 of 18 China State Construction Engineering (Hong Kong) Ltd Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section) WORKS PROGRAMME REV. M							Prepared by William Caluza <table><tr><th>Date</th><th>Revision</th><th>Checked</th><th>Approved</th></tr><tr><td>26-Sep...</td><td>1st submission</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>				Date	Revision	Checked	Approved	26-Sep...	1st submission															中國建築工程(香港)有限公司 CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.		
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							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3																														
S67685	Achievement of KD5	7d/wk-2	0d		16-Oct-14 18	-323d		◆ Achievement of KD5																																				
S67687	Complete Reinstatement of Vertical Seawall (near PRE Office)	7d/wk-2	0d		27-Oct-14 18	-322d		◆ Complete Reinstatement of Vertical Seawall (near PRE Office)																																				
Reinstate Mucking Out Access Shaft "C"																																												
S67240	Start reinstatement works (after completion of TPCWAW OHVD works)	6d/wk	0d	26-Mar-16 08		-102d											◆ Start reinstatement works (after c																											
S67225	Cast slab opening at top of CCT West bound (access shaft)	6d/wk	18d	28-Mar-16 08	16-Apr-16 18	-102d											■ Cast slab opening at top of																											
S67230	Removal of vertical shaft and backfilling	6d/wk	48d	11-Apr-16 08	04-Jun-16 18	-102d											■ Removal of vertical																											
S67235	Reinstatement of pavement	6d/wk	12d	30-May-16 08	11-Jun-16 18	-102d											■ Reinstatement of																											
TPCWAE - OHVD / Cable Trough																																												
S5_7405	TPCWAE - Cable Trough (access through temp. opening at TZ5 & Portion 19)	6d/wk	48d	04-Sep-15 08	02-Nov-15 18	0d											■ TPCWAE - Cable Trough (access through temp. opening at T																											
S5_7400	TPCWAE - OHVD Slab AT Area A (access through temp. opening at TZ5 & Portion 19)	6d/wk	48d	04-Sep-15 08	02-Nov-15 18	0d											■ TPCWAE - OHVD Slab AT Area A (access through temp. open																											
S5_59840	Completion of Section 5 - TPCWAE Area (KD10), below -20mPD	7d/wk-2	0d		02-Nov-15 18*	0d											◆ Completion of Section 5 - TPCWAE Area (KD10), below -20m																											
Works in TPCWAW Area																																												
TPCWAW - Temporary Reclamation																																												
Temporary Reclamation -																																												
S6_9440	TPCWAW - place levelling stone and tamping, South side	7d/wk-1	6d	15-Oct-14 08	20-Oct-14 18	-122d		■ TPCWAW - place levelling stone and tamping, South side																																				
S6_9450	TPCWAW - place seawall block to +4 at South side (Qty: 569 nos. @ 50 nos/day)	7d/wk-1	12d	21-Oct-14 08	01-Nov-14 18	-122d		■ TPCWAW - place seawall block to +4 at South side (Qty: 569 nos. @ 50 nos/day)																																				
S6_9465	TPCWAW - place levelling stone and tamping, North side	7d/wk-1	6d	02-Nov-14 08	07-Nov-14 18	-122d		■ TPCWAW - place levelling stone and tamping, North side																																				
S6_9470	TPCWAW - place seawall blocks to +4 North side (Qty: 672 nos @ 50 nos/day)	7d/wk-1	14d	08-Nov-14 08	21-Nov-14 18	-122d		■ TPCWAW - place seawall blocks to +4 North side (Qty: 672 nos @ 50 nos/day)																																				
S6_9495	TPCWAW - General fill to +2 within the seawall	7d/wk-1	17d	15-Nov-14 08	01-Dec-14 18	-122d		■ TPCWAW - General fill to +2 within the seawall																																				
S6_9490	TPCWAW - place seawall blocks to +4 at the temporary opening	7d/wk-1	7d	02-Dec-14 08	08-Dec-14 18	-122d		■ TPCWAW - place seawall blocks to +4 at the temporary opening																																				
S6_9475	TPCWAW - Remaining General fill to +4 within the seawall	7d/wk-1	10d	09-Dec-14 08	18-Dec-14 18	-122d		■ TPCWAW - Remaining General fill to +4 within the seawall																																				
TPCWAW - Diaphragm Wall																																												
Diaphragm Wall																																												
S6_9385	Site investigation	7d/wk-1	49d	01-Dec-14 08	21-Jan-15 18	-113d		■ Site investigation																																				
S6_8960	Install guide wall	7d/wk-1	40d	17-Dec-14 08	28-Jan-15 18	-120d		■ Install guide wall																																				
S6_8955	Curtain grout along proposed diaphragm wall	7d/wk-1	40d	19-Dec-14 08	30-Jan-15 18	-122d		■ Curtain grout along proposed diaphragm wall																																				
S6_9382	Set up bentonite silo/plants and equipments	7d/wk-1	30d	19-Dec-14 08	20-Jan-15 18	-112d		■ Set up bentonite silo/plants and equipments																																				
S6_9345	Diaphragm wall construction (34 panels @ 3 panels/ week)	7d/wk-1	68d	30-Jan-15 08	14-Apr-15 18	-141d		■ Diaphragm wall construction (34 panels @ 3 panels/ week)																																				
S6_9350	Install shear pins on diaphragm wall	7d/wk-1	40d	14-Mar-15 08	26-Apr-15 18	-133d		■ Install shear pins on diaphragm wall																																				
Summary Bar Actual Level of Effort Actual Work Remaining Work Critical Remaining Work ◆ Milestone							4 of 18 China State Construction Engineering (Hong Kong) Ltd Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section) WORKS PROGRAMME REV. M												Prepared by William Caluza <table><tr><th>Date</th><th>Revision</th><th>Checked</th><th>Approved</th></tr><tr><td>26-Sep...</td><td>1st submission</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>				Date	Revision	Checked	Approved	26-Sep...	1st submission															中國建築工程(香港)有限公司 CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.	
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Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float									
							2015			2016					
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
S6_9355	Install king posts	7d/wk-1	40d	14-Mar-15 08	26-Apr-15 18	-133d			Install king posts						
S6_8970	Diaphragm Wall Pile test	7d/wk-1	40d	20-Mar-15 08	03-May-15 18	-129d			Diaphragm Wall Pile test						
S6_9375	Carry out contact/fissure grouting	7d/wk-1	29d	21-Mar-15 08	22-Apr-15 18	-141d			Carry out contact/fissure grouting						
TPCWAW- ELS Works															
ELS Works															
S6_9360	Install dewatering wells and piezometers	7d/wk-1	20d	30-Mar-15 08	22-Apr-15 18	-141d			Install dewatering wells and piezometers						
S6_9365	Install inclinometers inside D-wall	7d/wk-1	20d	15-Apr-15 08	05-May-15 18	-141d			Install inclinometers inside D-wall						
S6_8975	Carry out pumping tests	7d/wk-1	12d	23-Apr-15 08	05-May-15 18	-141d			Carry out pumping tests						
S6_8980	1st Layer - D Wall conc over break if any & Soft Excavation	7d/wk-1	10d	06-May-15 08	15-May-15 18	-141d			1st Layer - D Wall conc over break if any & Soft Excavation						
S6_9260	Submit pumping test report	7d/wk-1	1d	06-May-15 08	06-May-15 18	-137d			Submit pumping test report						
S6_8985	1st Layer - install lateral support	7d/wk-1	10d	16-May-15 08	26-May-15 18	-141d			1st Layer - install lateral support						
S6_8990	Install vibrating wire strain gauge	7d/wk-1	10d	16-May-15 08	26-May-15 18	-141d			Install vibrating wire strain gauge						
S6_8995	2nd Layer - D Wall conc over break if any & Soft Excavation	7d/wk-1	10d	18-May-15 08	28-May-15 18	-141d			2nd Layer - D Wall conc over break if any & Soft Excavation						
S6_9000	2nd Layer - install lateral support	7d/wk-1	10d	29-May-15 08	07-Jun-15 18	-141d			2nd Layer - install lateral support						
S6_9005	3rd Layer - D Wall conc over break if any & Soft Excavation	7d/wk-1	10d	31-May-15 08	09-Jun-15 18	-141d			3rd Layer - D Wall conc over break if any & Soft Excavation						
S6_9010	3rd Layer - install lateral support	7d/wk-1	10d	10-Jun-15 08	19-Jun-15 18	-141d			3rd Layer - install lateral support						
S6_9015	4th Layer - D Wall conc over break if any & Soft Excavation	7d/wk-1	10d	12-Jun-15 08	22-Jun-15 18	-141d			4th Layer - D Wall conc over break if any & Soft Excavation						
S6_9020	4th Layer - install lateral support	7d/wk-1	10d	23-Jun-15 08	03-Jul-15 18	-141d			4th Layer - install lateral support						
S6_9025	5th Layer - D Wall conc over break if any & Soft Excavation	7d/wk-1	10d	25-Jun-15 08	05-Jul-15 18	-141d			5th Layer - D Wall conc over break if any & Soft Excavation						
S6_9030	5th Layer - install lateral support	7d/wk-1	10d	27-Jun-15 08	07-Jul-15 18	-141d			5th Layer - install lateral support						
S6_9035	6th Layer - D Wall conc over break if any & Soft Excavation	7d/wk-1	10d	08-Jul-15 08	17-Jul-15 18	-141d			6th Layer - D Wall conc over break if any & Soft Excavation						
S6_9040	6th Layer - install lateral support	7d/wk-1	10d	18-Jul-15 08	27-Jul-15 18	-69d			6th Layer - install lateral support						
TPCWAW - ROCK EXCAVATION															
S6_6180	Rock excavation to formation	7d/wk-1	112d	18-Jul-15 08	09-Nov-15 18	-141d			Rock excavation to formation						
S6_9370	Install tie back anchor to D- Walls (area on west side, near Portion 11)	7d/wk-1	25d	20-Jul-15 08	13-Aug-15 18	-69d			Install tie back anchor to D- Walls (area on west side, near Portion 11)						
S6_9415	Install tie back anchor to D- Walls (east area)	7d/wk-1	20d	20-Jul-15 08	08-Aug-15 18	-69d			Install tie back anchor to D- Walls (east area)						
S6_9055	Provide Access to WDII Contractor for demolition of bulkhead at Portion 11	7d/wk-2	0d		10-Nov-15 18	-133d			Provide Access to WDII Contractor for demolition of bulkhead						
TPCWAW- CCT RC Structure															
TPCWAW - CCT / OHVD															

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015								2016			
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3				
S6_9070	TPCWAW Construct tunnel base slab	7d/wk-1	50d	23-Oct-15 08	11-Dec-15 18	-141d									TPCWAW Construct tunnel base slab			
S6_9075	TPCWAW Construct tunnel wall + OHVD + roof slab	7d/wk-1	80d	13-Nov-15 08	02-Feb-16 18	-141d									TPCWAW Construct tunnel wall + OHVD +			
S6_9077	TPCWAW - external waterproofing on top of completed CCT box (incl. screeding)	7d/wk-1	26d	03-Feb-16 08	28-Feb-16 18	-120d									TPCWAW - external waterproofing on			
S6_9076	TPCWAW King post load transfer	7d/wk-1	26d	03-Feb-16 08	28-Feb-16 18	-120d									TPCWAW King post load transfer			
TPCWAW - Removal of Temporary Reclamation																		
Removal of Temporary Reclamation																		
S6_9140	Backfilling/Removal of ELS/ Reinstatement of sea wall at Portion 11 (concurrent activities)	7d/wk-1	30d	17-Feb-16 08	17-Mar-16 18	-120d									Backfilling/Removal of ELS/ Reinsta			
S6_9105	Remove general fill/ seawall block (concurrent activities)	7d/wk-1	25d	06-Mar-16 08	30-Mar-16 18	-120d									Remove general fill/ seawall bloc			
S6_9120	Saw cut diaphragm wall	7d/wk-1	63d	21-Mar-16 08	23-May-16 18	-120d									Saw cut diaphragm w			
S6_7550	Completion of Section 6- (KD11), above - 20mPD	7d/wk-2	0d		23-May-16 18	-121d									Completion of Section			
TPCWAW -Cable Trough/ Maintenance Walkway																		
S6_9085	TPCWAW - Cable Trough (access through temp. opening at Portion 19)	7d/wk-2	24d	02-Mar-16 08	25-Mar-16 18	-144d									TPCWAW - Cable Trough (access			
S6_9135	Completion of Section 5 - TPCWAW Area (KD10), below -20mPD	7d/wk-2	0d		25-Mar-16 18	-144d									Completion of Section 5 - TPCWA			
Works in Wan Chai PCWA (Portion 11)																		
Initial Works & Utilities Works																		
S4_2810	Installation of Hoarding	7d/wk-1	24d	05-May-14 08 A	17-Oct-14 18	-58d									Installation of Hoarding			
S4_2720	Remove existing rock mound	7d/wk-1	24d	21-Oct-14 08	13-Nov-14 18	-61d									Remove existing rock mound			
S4_2750	Carry out Site Investigation for BW1/BW2	7d/wk-1	12d	21-Oct-14 08	01-Nov-14 18	-61d									Carry out Site Investigation for BW1/BW2			
S4_2755	BW1/BW2 Engineers confirmation of provisional Barrettes	7d/wk-1	0d		07-Nov-14 18	-61d									BW1/BW2 Engineers confirmation of provisional Barrettes			
Allow Access to WDII																		
S4_2785	Complete Section 4 - Portion 11 (KD9)	7d/wk-2	0d		10-Nov-15 18	-132d									Complete Section 4 - Portion 11 (KD9)			
S4_2775	Return Portion 11 to WDII	7d/wk-1	0d		10-Nov-15 18	-129d									Return Portion 11 to WDII			
Works for Mined Tunnel (Portion 16, 17, 18)																		
SR8 (Tunnel Excavation + Lining)																		
From West (TPCWAE)																		
Heading Excavation (2d/m, 24h/day work shift, 7d/week, no work on statutory holiday)																		
A8676	SR8 Heading Excavation From West, CH 4095- 4107 = 8m @2d/m	7d/wk-1a	16d	03-Sep-14 08 A	28-Sep-14 18	164d									SR8 Heading Excavation From West, CH 4095- 4107 = 8m @2d/m			
Bench Excavation (1.5d-2d/m, 20m separation with heading)																		
A8700	SR8 Bench Excavation From West, CH 4055- 4065 = 10m	7d/wk-1a	20d	08-Sep-14 08 A	24-Sep-14 18	148d									SR8 Bench Excavation From West, CH 4055- 4065 = 10m			
6 of 18							Prepared by William Caluza				Date		Revision		Checked		Approved	
China State Construction Engineering (Hong Kong) Ltd											26-Sep...		1st submission					
Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)																		
WORKS PROGRAMME REV. M																		
Summary Bar																		
Actual Level of Effort																		
Actual Work																		
Remaining Work																		
Critical Remaining Work																		
Milestone																		

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015				2016			
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
A8705	SR8 Bench Excavation From West, CH 4065- 4075 = 10m	7d/wk-1a	20d	25-Sep-14 08	15-Oct-14 18	148d	■ SR8 Bench Excavation From West, CH 4065- 4075 = 10m							
A8685	SR8 Bench Excavation From West, CH 4075- 4085 = 10m	7d/wk-1a	20d	16-Oct-14 08	04-Nov-14 18	148d	■ SR8 Bench Excavation From West, CH 4075- 4085 = 10m							
A8680	SR8 Bench Excavation From West, CH 4085- 4095 = 10m	7d/wk-1a	20d	05-Nov-14 08	24-Nov-14 18	148d	■ SR8 Bench Excavation From West, CH 4085- 4095 = 10m							
A8725	SR8 Bench Excavation From West, CH 4095- 4100 = 5m	7d/wk-1a	10d	25-Nov-14 08	04-Dec-14 18	148d	■ SR8 Bench Excavation From West, CH 4095- 4100 = 5m							
From East (TS4)														
Heading Excavation (2d/m, 24h/day work shift, 7d/week, no work on statutory holiday)														
A8495	SR8 Heading Excavation From East CH 4115- 4107 = 8m @2d/m	7d/wk-1a	16d	15-Sep-14 08 A	28-Sep-14 18	10d	■ SR8 Heading Excavation From East CH 4115- 4107 = 8m @2d/m							
Bench Excavation (1.5d/m, 20m separation with heading)														
A8455	SR8 Bench Excavation From East, CH 4147.5- 4135 = 12.5m	7d/wk-1a	19d	20-Sep-14 08	09-Oct-14 18	0d	■ SR8 Bench Excavation From East, CH 4147.5- 4135 = 12.5m							
A8470	SR8 Bench Excavation From East, CH 4135- 4125 = 10m	7d/wk-1a	15d	10-Oct-14 08	24-Oct-14 18	0d	■ SR8 Bench Excavation From East, CH 4135- 4125 = 10m							
A8460	SR8 Bench Excavation From East, CH 4125- 4115 = 10m	7d/wk-1a	15d	25-Oct-14 08	08-Nov-14 18	0d	■ SR8 Bench Excavation From East, CH 4125- 4115 = 10m							
A8465	SR8 Bench Excavation From East, CH 4115- 4100 = 15m	7d/wk-1a	23d	09-Nov-14 08	01-Dec-14 18	0d	■ SR8 Bench Excavation From East, CH 4115- 4100 = 15m							
Tunnel Lining Works														
From West - Base Slab (10m/bay, 10m separation with benching excavation)														
A8525	SR8, From West, CH 4015 - 4025 = 10m/bay, base slab	7d/wk-1a	10d	15-Sep-14 08 A	04-Oct-14 18	137d	■ SR8, From West, CH 4015 - 4025 = 10m/bay, base slab							
A8530	SR8, From West, CH 4025 - 4035 = 10m/bay, base slab	7d/wk-1a	10d	05-Oct-14 08	14-Oct-14 18	163d	■ SR8, From West, CH 4025 - 4035 = 10m/bay, base slab							
A8535	SR8, From West, CH 4035 - 4045 = 10m/bay, base slab	7d/wk-1a	8d	15-Oct-14 08	22-Oct-14 18	165d	■ SR8, From West, CH 4035 - 4045 = 10m/bay, base slab							
A8540	SR8, From West, CH 4045 - 4055 = 10m/bay, base slab	7d/wk-1a	8d	23-Oct-14 08	30-Oct-14 18	165d	■ SR8, From West, CH 4045 - 4055 = 10m/bay, base slab							
A8545	SR8, From West, CH 4055 - 4065 = 10m/bay, base slab	7d/wk-1a	8d	05-Nov-14 08	12-Nov-14 18	160d	■ SR8, From West, CH 4055 - 4065 = 10m/bay, base slab							
A8550	SR8, From West, CH 4065 - 4075 = 10m/bay, base slab	7d/wk-1a	8d	25-Nov-14 08	02-Dec-14 18	148d	■ SR8, From West, CH 4065 - 4075 = 10m/bay, base slab							
A8555	SR8, From West, CH 4075 - 4085 = 10m/bay, base slab	7d/wk-1a	8d	05-Dec-14 08	12-Dec-14 18	148d	■ SR8, From West, CH 4075 - 4085 = 10m/bay, base slab							
A8560	SR8, From West, CH 4085 - 4095 = 10m/bay, base slab	7d/wk-1a	8d	13-Dec-14 08	20-Dec-14 18	150d	■ SR8, From West, CH 4085 - 4095 = 10m/bay, base slab							
A8561	SR8, From West, CH 4095 - 4105 = 10m/bay, base slab	7d/wk-1a	8d	21-Dec-14 08	29-Dec-14 18	152d	■ SR8, From West, CH 4095 - 4105 = 10m/bay, base slab							
A8562	SR8, From West, CH 4105 - 4115 = 10m/bay, base slab	7d/wk-1a	8d	30-Dec-14 08	07-Jan-15 18	154d	■ SR8, From West, CH 4105 - 4115 = 10m/bay, base slab							
From West - Lining (5m/bay, 10m separation with base slab)														
A8575	SR8, From West, CH 3995 - 4000 = 1bay, lining	7d/wk-1a	9d	20-Sep-14 08	28-Sep-14 18	0d	■ SR8, From West, CH 3995 - 4000 = 1bay, lining							
A8580	SR8, From West, CH 4000 - 4005 = 1bay, lining	7d/wk-1a	9d	05-Oct-14 08	13-Oct-14 18	137d	■ SR8, From West, CH 4000 - 4005 = 1bay, lining							
A8585	SR8, From West, CH 4005 - 4010 = 1bay, lining	7d/wk-1a	9d	14-Oct-14 08	22-Oct-14 18	137d	■ SR8, From West, CH 4005 - 4010 = 1bay, lining							
A8590	SR8, From West, CH 4010 - 4015 = 1bay, lining	7d/wk-1a	9d	23-Oct-14 08	31-Oct-14 18	137d	■ SR8, From West, CH 4010 - 4015 = 1bay, lining							

Summary Bar

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

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China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

WORKS PROGRAMME REV. M

Prepared by William Caluza

Date	Revision	Checked	Approved
26-Sep...	1st submission		



中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015					2016		
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
A8595	SR8, From West, CH 4015 - 4020 = 1bay, lining	7d/wk-1a	9d	01-Nov-14 08	09-Nov-14 18	137d	■ SR8, From West, CH 4015 - 4020 = 1bay, lining							
A8600	SR8, From West, CH 4020 - 4025 = 1bay, lining	7d/wk-1a	9d	10-Nov-14 08	18-Nov-14 18	137d	■ SR8, From West, CH 4020 - 4025 = 1bay, lining							
A8605	SR8, From West, CH 4025 - 4030 = 1bay, lining	7d/wk-1a	5d	19-Nov-14 08	23-Nov-14 18	137d	■ SR8, From West, CH 4025 - 4030 = 1bay, lining							
A8610	SR8, From West, CH 4030 - 4035 = 1bay, lining	7d/wk-1a	5d	24-Nov-14 08	28-Nov-14 18	137d	■ SR8, From West, CH 4030 - 4035 = 1bay, lining							
A8615	SR8, From West, CH 4035 - 4040 = 1bay, lining	7d/wk-1a	5d	29-Nov-14 08	03-Dec-14 18	137d	■ SR8, From West, CH 4035 - 4040 = 1bay, lining							
A8620	SR8, From West, CH 4040 - 4045 = 1bay, lining	7d/wk-1a	5d	04-Dec-14 08	08-Dec-14 18	137d	■ SR8, From West, CH 4040 - 4045 = 1bay, lining							
A8625	SR8, From West, CH 4045 - 4050 = 1bay, lining	7d/wk-1a	5d	09-Dec-14 08	13-Dec-14 18	137d	■ SR8, From West, CH 4045 - 4050 = 1bay, lining							
A8630	SR8, From West, CH 4050 - 4055 = 1bay, lining	7d/wk-1a	5d	14-Dec-14 08	18-Dec-14 18	137d	■ SR8, From West, CH 4050 - 4055 = 1bay, lining							
A8635	SR8, From West, CH 4055 - 4060 = 1bay, lining	7d/wk-1a	5d	19-Dec-14 08	23-Dec-14 18	137d	■ SR8, From West, CH 4055 - 4060 = 1bay, lining							
A8640	SR8, From West, CH 4060 - 4065 = 1bay, lining	7d/wk-1a	5d	24-Dec-14 08	29-Dec-14 18	137d	■ SR8, From West, CH 4060 - 4065 = 1bay, lining							
A8645	SR8, From West, CH 4065 - 4070 = 1bay, lining	7d/wk-1a	5d	30-Dec-14 08	04-Jan-15 18	137d	■ SR8, From West, CH 4065 - 4070 = 1bay, lining							
A8647	SR8, From West, CH 4070 - 4075 = 1bay, lining	7d/wk-1a	5d	05-Jan-15 08	09-Jan-15 18	137d	■ SR8, From West, CH 4070 - 4075 = 1bay, lining							
A8648	SR8, From West, CH 4075 - 4080 = 1bay, lining	7d/wk-1a	5d	10-Jan-15 08	14-Jan-15 18	137d	■ SR8, From West, CH 4075 - 4080 = 1bay, lining							
A8649	SR8, From West, CH 4080 - 4085 = 1bay, lining	7d/wk-1a	5d	15-Jan-15 08	19-Jan-15 18	137d	■ SR8, From West, CH 4080 - 4085 = 1bay, lining							
A8651	SR8, From West, CH 4085 - 4090 = 1bay, lining	7d/wk-1a	5d	20-Jan-15 08	24-Jan-15 18	137d	■ SR8, From West, CH 4085 - 4090 = 1bay, lining							
A8652	SR8, From West, CH 4090 - 4095 = 1bay, lining	7d/wk-1a	5d	25-Jan-15 08	29-Jan-15 18	137d	■ SR8, From West, CH 4090 - 4095 = 1bay, lining							
A8653	SR8, From West, CH 4095 - 4100 = 1bay, lining	7d/wk-1a	5d	30-Jan-15 08	03-Feb-15 18	137d	■ SR8, From West, CH 4095 - 4100 = 1bay, lining							
A8654	SR8, From West, CH 4100 - 4105 = 1bay, lining	7d/wk-1a	5d	04-Feb-15 08	08-Feb-15 18	137d	■ SR8, From West, CH 4100 - 4105 = 1bay, lining							
From East - Base Slab (10m/bay, 10m separation with benching excavation)														
A9775	SR8 From East, CH 4149.5 - 4145 = 4.5m, base slab	7d/wk-1a	8d	02-Dec-14 08	09-Dec-14 18	0d	■ SR8 From East, CH 4149.5 - 4145 = 4.5m, base slab							
A9780	SR8 From East, CH 4145 - 4135 = 10m/bay, base slab	7d/wk-1a	8d	10-Dec-14 08	17-Dec-14 18	0d	■ SR8 From East, CH 4145 - 4135 = 10m/bay, base slab							
A9785	SR8 From East, CH 4135 - 4125 = 10m/bay, base slab	7d/wk-1a	8d	18-Dec-14 08	26-Dec-14 18	8d	■ SR8 From East, CH 4135 - 4125 = 10m/bay, base slab							
A9786	SR8 From East, CH 4125 - 4115 = 10m/bay, base slab	7d/wk-1a	8d	27-Dec-14 08	04-Jan-15 18	10d	■ SR8 From East, CH 4125 - 4115 = 10m/bay, base slab							
From East - Lining (5m/bay, 10m separation with base slab)														
A9820	From East, SR8 CH 4149.5 - 4145 = 4.5m, 1 bay, lining	7d/wk-1a	5d	18-Dec-14 08	22-Dec-14 18	0d	■ From East, SR8 CH 4149.5 - 4145 = 4.5m, 1 bay, lining							
A9815	From East, SR8 CH 4145 - 4140 = 1bay, lining	7d/wk-1a	5d	23-Dec-14 08	28-Dec-14 18	6d	■ From East, SR8 CH 4145 - 4140 = 1bay, lining							
A9810	From East, SR8 CH 4140 - 4135 = 1bay, lining	7d/wk-1a	5d	29-Dec-14 08	03-Jan-15 18	6d	■ From East, SR8 CH 4140 - 4135 = 1bay, lining							
A9805	From East, SR8 CH 4135 - 4130 = 1bay, lining	7d/wk-1a	5d	04-Jan-15 08	08-Jan-15 18	6d	■ From East, SR8 CH 4135 - 4130 = 1bay, lining							

- Summary Bar
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

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China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

WORKS PROGRAMME REV. M

Prepared by William Caluza

Date	Revision	Checked	Approved
26-Sep...	1st submission		



中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015							2016			
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3			
A9870	From East, SR8 CH 4130 - 4125 = 1bay, lining	7d/wk-1a	5d	09-Jan-15 08	13-Jan-15 18	6d											
A9800	From East, SR8 CH 4125 - 4120 = 1bay, lining	7d/wk-1a	5d	14-Jan-15 08	18-Jan-15 18	143d											
A9860	From East, SR8 CH 4120 - 4115 = 1bay, lining	7d/wk-1a	5d	19-Jan-15 08	23-Jan-15 18	143d											
A9855	From East, SR8 CH 4115 - 4110 = 1bay, lining	7d/wk-1a	5d	24-Jan-15 08	28-Jan-15 18	143d											
A9850	From East, SR8 CH 4110 - 4105 = 1bay, lining	7d/wk-1a	5d	29-Jan-15 08	02-Feb-15 18	143d											
OHVD(10m/bay) / Utility Trough																	
A8570	SR8 Tunnel OHVD and utility trough =, 167= 17 bays @ 10m/bay @ 7d/bay	7d/wk-1a	120d	09-Feb-15 08	13-Jun-15 18	137d											
EB Outer Tunnel Excavation																	
From West (TPCWAE)																	
Outer Bench Excavation (1.5d - 2d/m, 20m separation with heading)																	
A9550	EB, Outer Bench From West, CH 4035- 4045 = 10m	7d/wk-1a	30d	07-Aug-14 08 A	20-Oct-14 18	135d											
A9555	EB, Outer Bench From West, CH 4045- 4055 = 10m (2d/m)	7d/wk-1a	20d	20-Oct-14 08	08-Nov-14 18	135d											
A9560	EB, Outer Bench From West, CH 4055- 4065 = 10m (2d/m)	7d/wk-1a	20d	09-Nov-14 08	28-Nov-14 18	135d											
A9565	EB, Outer Bench From West, CH 4065- 4075 = 10m (2d/m)	7d/wk-1a	20d	29-Nov-14 08	18-Dec-14 18	135d											
A9520	EB, Outer Bench From West, CH 4075- 4085 = 10m (2d/m)	7d/wk-1a	20d	19-Dec-14 08	09-Jan-15 18	135d											
A9545	EB, Outer Bench From West, CH 4085- 4095 = 10m 1.5d/m)	7d/wk-1a	15d	10-Jan-15 08	24-Jan-15 18	135d											
From East (TS4)																	
Outer Bench Excavation (1.5d-2d/m, 20m separation with heading)																	
A9605	EB, Outer Bench From East, CH 4147.5 - 4145 = 2.5m	7d/wk-1a	30d	20-Oct-14 08*	18-Nov-14 18	120d											
A9610	EB, Outer Bench From East, CH 4145- 4135 = 10m (2d/m)	7d/wk-1a	20d	19-Nov-14 08	08-Dec-14 18	120d											
A9615	EB, Outer Bench From East, CH 4135- 4125 = 10m (2d/m)	7d/wk-1a	20d	09-Dec-14 08	29-Dec-14 18	120d											
A9620	EB, Outer Bench From East, CH 4125- 4115 = 10m (2d/m)	7d/wk-1a	20d	30-Dec-14 08	19-Jan-15 18	120d											
A9625	EB, Outer Bench From East, CH 4115- 4105 = 10m (2d/m)	7d/wk-1a	20d	20-Jan-15 08	08-Feb-15 18	120d											
A9630	EB, Outer Bench From East, CH 4105- 4095 = 10m (1.5d/m)	7d/wk-1a	15d	08-Feb-15 08	26-Feb-15 18	120d											
EB (Inner Tunnel Excavation + Lining)																	
From West (TPCWAE)																	
Inner Heading Excavation (2d/m, 24h/day work shift, 7d/week, no work on statutory holiday)																	
A8805	EB,Inner Heading From West, CH 3992- 4005 = 13m @3d/m	7d/wk-1a	39d	29-Sep-14 08	07-Nov-14 18	0d											
A8815	EB,Inner Heading From West, CH 4005- 4015 = 10m @2d/m	7d/wk-1a	20d	08-Nov-14 08	27-Nov-14 18	0d											

Summary Bar
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work

◆ Milestone

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China State Construction Engineering (Hong Kong) Ltd
Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)
WORKS PROGRAMME REV. M

Prepared by William Caluza

Date	Revision	Checked	Approved
26-Sep...	1st submission		

CSCCE

中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float									
							2015			2016					
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
A8820	EB,Inner Heading From West , CH 4015- 4025 = 10m @2d/m	7d/wk-1a	20d	28-Nov-14 08	17-Dec-14 18	0d		EB,Inner Heading From West , CH 4015- 4025 = 10m @2d/m							
A8780	EB,Inner Heading From West, CH 4025- 4035 = 10m @2d/m	7d/wk-1a	20d	18-Dec-14 08	08-Jan-15 18	0d		EB,Inner Heading From West, CH 4025- 4035 = 10m @2d/m							
A8810	EB,Inner Heading From West , CH 4035- 4045 = 10m @2d/m	7d/wk-1a	20d	09-Jan-15 08	28-Jan-15 18	0d		EB,Inner Heading From West , CH 4035- 4045 = 10m @2d/m							
A8785	EB,Inner Heading From West , CH 4045- 4055 = 10m @2d/m	7d/wk-1a	20d	29-Jan-15 08	17-Feb-15 18	0d		EB,Inner Heading From West , CH 4045- 4055 = 10m @2d/m							
A8790	EB,Inner Heading From West, CH 4055- 4065 = 10m @ 2d/m	7d/wk-1a	20d	18-Feb-15 08	12-Mar-15 18	0d		EB,Inner Heading From West, CH 4055- 4065 = 10m @ 2d/m							
A8795	EB,Inner Heading From West , CH 4065- 4075 = 10m, @ 2d/m	7d/wk-1a	20d	13-Mar-15 08	01-Apr-15 18	0d		EB,Inner Heading From West , CH 4065- 4075 = 10m, @ 2d/m							
A8800	EB,Inner Heading From West, CH 4075- 4085 = 10m @ 2d/m	7d/wk-1a	20d	02-Apr-15 08	22-Apr-15 18	0d		EB,Inner Heading From West, CH 4075- 4085 = 10m @ 2d/m							
A8825	EB,Inner Heading From West, CH 4085- 4095 = 10m @ 2d/m	7d/wk-1a	20d	23-Apr-15 08	13-May-15 18	0d		EB,Inner Heading From West, CH 4085- 4095 = 10m @ 2d/m							
Inner Bench Excavation (1.5-2d/m, 20m separation with heading)															
A8765	EB, Inner Bench From West, CH 3992- 4005 = 13m (2d/m)	7d/wk-1a	26d	08-Nov-14 08	03-Dec-14 18	23d		EB, Inner Bench From West, CH 3992- 4005 = 13m (2d/m)							
A8770	EB, Inner Bench From West,CH 4005- 4015 = 10m	7d/wk-1a	15d	18-Dec-14 08	03-Jan-15 18	9d		EB, Inner Bench From West,CH 4005- 4015 = 10m							
A8775	EB, Inner Bench From West,CH 4015- 4025 = 10m	7d/wk-1a	15d	09-Jan-15 08	23-Jan-15 18	4d		EB, Inner Bench From West,CH 4015- 4025 = 10m							
A8735	EB, Inner Bench From West,CH 4025- 4035 = 10m	7d/wk-1a	15d	29-Jan-15 08	12-Feb-15 18	14d		EB, Inner Bench From West,CH 4025- 4035 = 10m							
A8740	EB, Inner Bench From West,CH 4035- 4045 = 10m	7d/wk-1a	15d	18-Feb-15 08	07-Mar-15 18	11d		EB, Inner Bench From West,CH 4035- 4045 = 10m							
A8745	EB, Inner Bench From West,CH 4045- 4055 = 10m	7d/wk-1a	15d	13-Mar-15 08	27-Mar-15 18	6d		EB, Inner Bench From West,CH 4045- 4055 = 10m							
A8750	EB, Inner Bench From West,CH 4055- 4065 = 10m	7d/wk-1a	15d	02-Apr-15 08	17-Apr-15 18	1d		EB, Inner Bench From West,CH 4055- 4065 = 10m							
A8755	EB, Inner Bench From West,CH 4065- 4075 = 10m	7d/wk-1a	15d	18-Apr-15 08	03-May-15 18	1d		EB, Inner Bench From West,CH 4065- 4075 = 10m							
A8760	EB, Inner Bench From West,CH 4075- 4085 = 10m	7d/wk-1a	15d	05-May-15 08	19-May-15 18	0d		EB, Inner Bench From West,CH 4075- 4085 = 10m							
A8761	EB, Inner Bench From West,CH 4085- 4095 = 10m	7d/wk-1a	15d	20-May-15 08	03-Jun-15 18	0d		EB, Inner Bench From West,CH 4085- 4095 = 10m							
From East (TS4)															
Inner Heading Excavation (3d/m, 24h/day work shift, 7d/week, no work on statutory holiday)															
A8835	EB,Inner Heading From East, CH 4147.5 to 4145 = 2.5m, @ 3d/m	7d/wk-1a	8d	06-Jan-15 08	13-Jan-15 18	0d		EB,Inner Heading From East, CH 4147.5 to 4145 = 2.5m, @ 3d/m							
A8850	EB,Inner Heading From East, CH 4145- 4135 = 10m, @ 3d/m	7d/wk-1a	30d	14-Jan-15 08	12-Feb-15 18	0d		EB,Inner Heading From East, CH 4145- 4135 = 10m, @ 3d/m							
A8830	EB,Inner Heading From East, CH 4135- 4125 = 10m @2d/m	7d/wk-1a	20d	13-Feb-15 08	07-Mar-15 18	0d		EB,Inner Heading From East, CH 4135- 4125 = 10m @2d/m							
A8840	EB,Inner Heading From East, CH 4125- 4115 = 10m @2d/m	7d/wk-1a	20d	08-Mar-15 08	27-Mar-15 18	0d		EB,Inner Heading From East, CH 4125- 4115 = 10m @2d/m							
A9910	EB,Inner Heading From East, CH 4115- 4105 = 10m @2d/m	7d/wk-1a	20d	28-Mar-15 08	17-Apr-15 18	0d		EB,Inner Heading From East, CH 4115- 4105 = 10m @2d/m							
A8845	EB,Inner Heading From East, CH 4105- 4095 = 10m @2d/m	7d/wk-1a	20d	18-Apr-15 08	08-May-15 18	0d		EB,Inner Heading From East, CH 4105- 4095 = 10m @2d/m							
Inner Bench Excavation (1.5d-2d/m, 20m separation with heading)															
A8860	EB,Inner Bench From East, CH 4147.5 - 4145 = 2.5m	7d/wk-1a	4d	08-Mar-15 08	11-Mar-15 18	11d		EB,Inner Bench From East, CH 4147.5 - 4145 = 2.5m							

- Summary Bar
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

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China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

WORKS PROGRAMME REV. M

Prepared by William Caluza

Date	Revision	Checked	Approved
26-Sep...	1st submission		



中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015				2016		
							Q4	Q1	Q2	Q3	Q4	Q1	Q2
A8865	EB,Inner Bench From East, CH 4145- 4135 = 10m	7d/wk-1a	15d	12-Mar-15 08	26-Mar-15 18	11d			■ EB,Inner Bench From East, CH 4145- 4135 = 10m				
A8870	EB,Inner Bench From East, CH 4135- 4125 = 10m	7d/wk-1a	15d	28-Mar-15 08	12-Apr-15 18	10d			■ EB,Inner Bench From East, CH 4135- 4125 = 10m				
A8855	EB,Inner Bench From East, CH 4125- 4115 = 10m	7d/wk-1a	15d	18-Apr-15 08	03-May-15 18	5d			■ EB,Inner Bench From East, CH 4125- 4115 = 10m				
A8875	EB,Inner Bench From East, CH 4115- 4105 = 10m	7d/wk-1a	15d	09-May-15 08	23-May-15 18	0d			■ EB,Inner Bench From East, CH 4115- 4105 = 10m				
A9915	EB,Inner Bench From East, CH 4105- 4095 = 10m	7d/wk-1a	16d	24-May-15 08	08-Jun-15 18	0d			■ EB,Inner Bench From East, CH 4105- 4095 = 10m				
Tunnel Lining Works													
From West Base Slab (10m/bay, 10m separation with benching excavation)													
A8900	EB From West, Base Slab CH 3990 - 3995 = 1 bay	7d/wk-1a	10d	04-Dec-14 08	13-Dec-14 18	33d			■ EB From West, Base Slab CH 3990 - 3995 = 1 bay				
A8890	EB From West, Base Slab CH 3995 - 4005 = 10m/bay	7d/wk-1a	10d	04-Jan-15 08	13-Jan-15 18	14d			■ EB From West, Base Slab CH 3995 - 4005 = 10m/bay				
A8905	EB From West, Base Slab CH 4005 - 4015 = 10m/bay	7d/wk-1a	10d	24-Jan-15 08	02-Feb-15 18	4d			■ EB From West, Base Slab CH 4005 - 4015 = 10m/bay				
A8910	EB From West, Base Slab CH 4015 - 4025 = 10m/bay	7d/wk-1a	10d	13-Feb-15 08	25-Feb-15 18	14d			■ EB From West, Base Slab CH 4015 - 4025 = 10m/bay				
A8915	EB From West, Base Slab CH 4025 - 4035 = 10m/bay	7d/wk-1a	10d	08-Mar-15 08	17-Mar-15 18	12d			■ EB From West, Base Slab CH 4025 - 4035 = 10m/bay				
A8920	EB From West, Base Slab CH 4035 - 4045 = 10m/bay	7d/wk-1a	10d	28-Mar-15 08	07-Apr-15 18	8d			■ EB From West, Base Slab CH 4035 - 4045 = 10m/bay				
A8925	EB From West, Base Slab CH 4045 - 4055 = 10m/bay	7d/wk-1a	10d	18-Apr-15 08	27-Apr-15 18	4d			■ EB From West, Base Slab CH 4045 - 4055 = 10m/bay				
A8930	EB From West, Base Slab CH 4055 - 4065 = 10m/bay	7d/wk-1a	10d	04-May-15 08	13-May-15 18	5d			■ EB From West, Base Slab CH 4055 - 4065 = 10m/bay				
A8880	EB From West, Base Slab CH 4065 - 4075 = 10m/bay	7d/wk-1a	10d	20-May-15 08	29-May-15 18	5d			■ EB From West, Base Slab CH 4065 - 4075 = 10m/bay				
A8885	EB From West, Base Slab CH 4075 - 4085 = 10m/bay	7d/wk-1a	10d	04-Jun-15 08	13-Jun-15 18	0d			■ EB From West, Base Slab CH 4075 - 4085 = 10m/bay				
A8895	EB From West, Base Slab CH 4085 - 4095 = 10m/bay	7d/wk-1a	10d	14-Jun-15 08	24-Jun-15 18	0d			■ EB From West, Base Slab CH 4085 - 4095 = 10m/bay				
From East Base Slab (10m/bay, 10m separation with benching excavation)													
A9905	EB From East, Base Slab CH 4149.5 - 4145 = 4.5m	7d/wk-1a	10d	13-Apr-15 08	22-Apr-15 18	26d			■ EB From East, Base Slab CH 4149.5 - 4145 = 4.5m				
A9900	EB From East, Base Slab CH 4145 - 4135 = 10m/bay	7d/wk-1a	10d	04-May-15 08	13-May-15 18	16d			■ EB From East, Base Slab CH 4145 - 4135 = 10m/bay				
A9895	EB From East, Base Slab CH 4135 - 4125 = 10m/bay	7d/wk-1a	10d	24-May-15 08	02-Jun-15 18	6d			■ EB From East, Base Slab CH 4135 - 4125 = 10m/bay				
A9890	EB From East, Base Slab CH 4125 - 4115 = 10m/bay	7d/wk-1a	10d	09-Jun-15 08	18-Jun-15 18	0d			■ EB From East, Base Slab CH 4125 - 4115 = 10m/bay				
A9885	EB From East, Base Slab CH 4115 - 4105 = 10m/bay	7d/wk-1a	10d	19-Jun-15 08	29-Jun-15 18	0d			■ EB From East, Base Slab CH 4115 - 4105 = 10m/bay				
A9880	EB From East, Base Slab CH 4105 - 4095 = 10m/bay	7d/wk-1a	10d	30-Jun-15 08	10-Jul-15 18	0d			■ EB From East, Base Slab CH 4105 - 4095 = 10m/bay				
Lining (5m/bay, 15m separation with base slab)													
A9065	EB From West, Lining CH 3990 - 3995 = 1bay	7d/wk-1a	10d	03-Feb-15 08	12-Feb-15 18	4d			■ EB From West, Lining CH 3990 - 3995 = 1bay				
A9005	EB From West, Lining CH 3995 - 4000 = 1bay	7d/wk-1a	10d	13-Feb-15 08	25-Feb-15 18	4d			■ EB From West, Lining CH 3995 - 4000 = 1bay				
A9090	EB From West, Lining CH 4000 - 4005 = 1bay	7d/wk-1a	10d	26-Feb-15 08	07-Mar-15 18	4d			■ EB From West, Lining CH 4000 - 4005 = 1bay				
Summary Bar							Prepared by William Caluza						
Actual Level of Effort							Date	Revision	Checked	Approved			
Actual Work							26-Sep...	1st submission					
Remaining Work													
Critical Remaining Work													
Milestone													
11 of 18													
China State Construction Engineering (Hong Kong) Ltd													
Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)													
WORKS PROGRAMME REV. M													

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015					2016		
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
A9050	EB From West, Lining CH 4005 - 4010 = 1bay	7d/wk-1a	10d	08-Mar-15 08	17-Mar-15 18	4d			■ EB From West, Lining CH 4005 - 4010 = 1bay					
A9055	EB From West, Lining CH 4010 - 4015 = 1bay	7d/wk-1a	10d	18-Mar-15 08	27-Mar-15 18	4d			■ EB From West, Lining CH 4010 - 4015 = 1bay					
A9080	EB From West, Lining CH 4015 - 4020 = 1bay	7d/wk-1a	10d	26-Mar-15 08	05-Apr-15 18	4d			■ EB From West, Lining CH 4015 - 4020 = 1bay					
A9070	EB From West, Lining CH 4020 - 4025 = 1bay	7d/wk-1a	10d	03-Apr-15 08	13-Apr-15 18	4d			■ EB From West, Lining CH 4020 - 4025 = 1bay					
A9075	EB From West, Lining CH 4025 - 4030 = 1bay	7d/wk-1a	10d	12-Apr-15 08	21-Apr-15 18	4d			■ EB From West, Lining CH 4025 - 4030 = 1bay					
A9080	EB From West, Lining CH 4030 - 4035 = 1bay	7d/wk-1a	10d	20-Apr-15 08	29-Apr-15 18	4d			■ EB From West, Lining CH 4030 - 4035 = 1bay					
A9085	EB From West, Lining CH 4035 - 4040 = 1bay	7d/wk-1a	10d	28-Apr-15 08	08-May-15 18	4d			■ EB From West, Lining CH 4035 - 4040 = 1bay					
A9015	EB From West, Lining CH 4040 - 4045 = 1bay	7d/wk-1a	10d	07-May-15 08	16-May-15 18	4d			■ EB From West, Lining CH 4040 - 4045 = 1bay					
A9020	EB From West, Lining CH 4045 - 4050 = 1bay	7d/wk-1a	10d	15-May-15 08	24-May-15 18	4d			■ EB From West, Lining CH 4045 - 4050 = 1bay					
A9025	EB From West, Lining CH 4050 - 4055 = 1bay	7d/wk-1a	10d	23-May-15 08	01-Jun-15 18	4d			■ EB From West, Lining CH 4050 - 4055 = 1bay					
A9030	EB From West, Lining CH 4055 - 4060 = 1bay	7d/wk-1a	10d	31-May-15 08	09-Jun-15 18	4d			■ EB From West, Lining CH 4055 - 4060 = 1bay					
A9035	EB From West, Lining CH 4060 - 4065 = 1bay	7d/wk-1a	10d	07-Jun-15 08	16-Jun-15 18	4d			■ EB From West, Lining CH 4060 - 4065 = 1bay					
A9040	EB From West, Lining CH 4065 - 4070 = 1bay	7d/wk-1a	10d	14-Jun-15 08	24-Jun-15 18	4d			■ EB From West, Lining CH 4065 - 4070 = 1bay					
A9045	EB From West, Lining CH 4070 - 4075 = 1bay	7d/wk-1a	10d	25-Jun-15 08	05-Jul-15 18	0d			■ EB From West, Lining CH 4070 - 4075 = 1bay					
A8955	EB From West, Lining CH 4075 - 4080 = 1bay	7d/wk-1a	10d	30-Jun-15 08	10-Jul-15 18	0d			■ EB From West, Lining CH 4075 - 4080 = 1bay					
A8960	EB From West, Lining CH 4080 - 4085 = 1bay	7d/wk-1a	5d	11-Jul-15 08	15-Jul-15 18	0d			■ EB From West, Lining CH 4080 - 4085 = 1bay					
A8970	EB From West, Lining CH 4085 - 4090 = 1bay	7d/wk-1a	5d	16-Jul-15 08	20-Jul-15 18	0d			■ EB From West, Lining CH 4085 - 4090 = 1bay					
A8975	EB From West, Lining CH 4090 - 4095 = 1bay	7d/wk-1a	5d	21-Jul-15 08	25-Jul-15 18	0d			■ EB From West, Lining CH 4090 - 4095 = 1bay					
A8980	EB From West, Lining CH 4095 - 4100 = 1bay	7d/wk-1a	5d	26-Jul-15 08	30-Jul-15 18	0d			■ EB From West, Lining CH 4095 - 4100 = 1bay					
A8985	EB From West, Lining CH 4100 - 4105 = 1bay	7d/wk-1a	5d	31-Jul-15 08	04-Aug-15 18	0d			■ EB From West, Lining CH 4100 - 4105 = 1bay					
A8990	EB From West, Lining CH 4105 - 4110 = 1bay	7d/wk-1a	5d	05-Aug-15 08	09-Aug-15 18	0d			■ EB From West, Lining CH 4105 - 4110 = 1bay					
A8995	EB From West, Lining CH 4110 - 4115 = 1bay	7d/wk-1a	5d	10-Aug-15 08	14-Aug-15 18	0d			■ EB From West, Lining CH 4110 - 4115 = 1bay					
A9000	EB From West, Lining CH 4115 - 4120 = 1bay	7d/wk-1a	5d	15-Aug-15 08	19-Aug-15 18	0d			■ EB From West, Lining CH 4115 - 4120 = 1bay					
A9010	EB From West, Lining CH 4120 - 4125 = 1bay	7d/wk-1a	5d	20-Aug-15 08	24-Aug-15 18	0d			■ EB From West, Lining CH 4120 - 4125 = 1bay					
A8965	EB From West, Lining CH 4125 - 4130 = 1bay	7d/wk-1a	5d	25-Aug-15 08	29-Aug-15 18	0d			■ EB From West, Lining CH 4125 - 4130 = 1bay					
A8935	EB From West, Lining CH 4130 - 4135 = 1bay	7d/wk-1a	5d	30-Aug-15 08	03-Sep-15 18	0d			■ EB From West, Lining CH 4130 - 4135 = 1bay					
A8940	EB From West, Lining CH 4135 - 4140 = 1bay	7d/wk-1a	5d	04-Sep-15 08	08-Sep-15 18	0d			■ EB From West, Lining CH 4135 - 4140 = 1bay					
A8945	EB From West, Lining CH 4140 - 4145 = 1bay	7d/wk-1a	5d	09-Sep-15 08	13-Sep-15 18	0d			■ EB From West, Lining CH 4140 - 4145 = 1bay					
A8950	EB From West, Lining CH 4145 - 4149.5 = 4.5m	7d/wk-1a	5d	14-Sep-15 08	18-Sep-15 18	0d			■ EB From West, Lining CH 4145 - 4149.5 = 4.5m					

Summary Bar

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

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China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

WORKS PROGRAMME REV. M

Prepared by William Caluza

Date	Revision	Checked	Approved
28-Sep...	1st submission		

CSCEC

中國建築工程(香港)有限公司

CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015				2016			
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
OHVD(10m/bay) / Utility Trough														
A9095	EB From West OHVD and utility trough =, 167= 17 bays @ 10m/bay @ 7d/bay	7d/wk-1a	120d	03-Jul-15 08	02-Nov-15 18	0d								
WB Outer Tunnel Excavation														
From West (TPCWAE)														
Outer Heading Excavation (2d/m, 24h/day work shift, 7d/week, no work on statutory holiday)														
A9651	WB, Outer Heading From West, CH 4085- 4092.5 = 7.5m @ 2d/m	7d/wk-1a	15d	13-Sep-14 08 A	30-Sep-14 18	163d								
Outer Bench Excavation (1.5d-2d/m, 20m separation with heading)														
A9680	WB, Outer Bench From West, CH 4025- 4035 = 10m	7d/wk-1a	15d	12-Oct-14 08	26-Oct-14 18	163d								
A9665	WB, Outer Bench From West, CH 4035- 4045 = 10m	7d/wk-1a	15d	27-Oct-14 08	10-Nov-14 18	163d								
A9670	WB, Outer Bench From West, CH 4045- 4055 = 10m	7d/wk-1a	15d	11-Nov-14 08	25-Nov-14 18	163d								
A9675	WB, Outer Bench From West, CH 4055- 4065 = 10m	7d/wk-1a	15d	26-Nov-14 08	10-Dec-14 18	163d								
A9700	WB, Outer Bench From West, CH 4065- 4075 = 10m	7d/wk-1a	15d	11-Dec-14 08	26-Dec-14 18	163d								
A9701	WB, Outer Bench From West, CH 4075- 4082.5 = 7.5m	7d/wk-1a	15d	27-Dec-14 08	11-Jan-15 18	163d								
From East (TS4)														
Outer Heading Excavation (2d/m, 24h/day work shift, 7d/week, no work on statutory holiday)														
A9730	WB, Outer Heading From East, CH 4105- 4092.5 = 12.5m @2d/m	7d/wk-1a	25d	30-Aug-14 08 A	30-Sep-14 18	168d								
Outer Bench Excavation (1.5d-2d/m, 20m separation with heading)														
A9740	WB, Outer Bench From East, CH 4136- 4135 = 1m	7d/wk-1a	2d	12-Oct-14 08	13-Oct-14 18	168d								
A9770	WB, Outer Bench From East, CH 4135- 4125 = 10m	7d/wk-1a	15d	14-Oct-14 08	28-Oct-14 18	168d								
A9745	WB, Outer Bench From East, CH 4125- 4115 = 10m	7d/wk-1a	15d	28-Oct-14 08	11-Nov-14 18	168d								
A9750	WB, Outer Bench From East, CH 4115- 4105 = 10m	7d/wk-1a	15d	11-Nov-14 08	25-Nov-14 18	168d								
A9755	WB, Outer Bench From East, CH 4105- 4095 = 10m	7d/wk-1a	15d	26-Nov-14 08	10-Dec-14 18	168d								
A9760	WB, Outer Bench From East, CH 4095- 4082.5 = 12.5m	7d/wk-1a	25d	11-Dec-14 08	06-Jan-15 18	168d								
WB (Inner Tunnel Excavation + Lining)														
From West (TPCWAE)														
Inner Heading Excavation (2-3d/m, 24h/day work shift, 7d/week, no work on statutory holiday)														
A9130	WB,Inner Heading From West, CH 3993- 4005 = 12m @3d/m	7d/wk-1a	50d	29-Sep-14 08	18-Nov-14 18	0d								
A9135	WB,Inner Heading From West,CH 4005- 4015 = 10m @2d/m	7d/wk-1a	20d	19-Nov-14 08	08-Dec-14 18	0d								
A9140	WB,Inner Heading From West, CH 4015- 4025 = 10m @2d/m	7d/wk-1a	20d	09-Dec-14 08	29-Dec-14 18	0d								

Summary Bar

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

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China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

WORKS PROGRAMME REV. M

Prepared by William Caluza

Date	Revision	Checked	Approved
26-Sep...	1st submission		

中國建築工程(香港)有限公司

CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2016									
							Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3
A9100	WB,Inner Heading From West, CH 4025- 4035 = 10m @2d/m	7d/wk-1a	20d	30-Dec-14 08	19-Jan-15 18	0d			WB,Inner Heading From West, CH 4025- 4035 = 10m @2d/m							
A9105	WB,Inner Heading From West, CH 4035- 4045 = 10m @2d/m	7d/wk-1a	20d	20-Jan-15 08	08-Feb-15 18	0d			WB,Inner Heading From West, CH 4035- 4045 = 10m @2d/m							
A9110	WB,Inner Heading From West, CH 4045- 4055 = 10m @2d/m	7d/wk-1a	20d	09-Feb-15 08	03-Mar-15 18	0d			WB,Inner Heading From West, CH 4045- 4055 = 10m @2d/m							
A9115	WB,Inner Heading From West, CH 4055- 4065 = 10m @ 2d/m	7d/wk-1a	20d	04-Mar-15 08	23-Mar-15 18	0d			WB,Inner Heading From West, CH 4055- 4065 = 10m @ 2d/m							
A9120	WB,Inner Heading From West, CH 4065- 4075 = 10m, @ 2d/m	7d/wk-1a	20d	24-Mar-15 08	13-Apr-15 18	0d			WB,Inner Heading From West, CH 4065- 4075 = 10m, @ 2d/m							
A9125	WB,Inner Heading From West, CH 4075- 4085 = 10m @ 2d/m	7d/wk-1a	20d	14-Apr-15 08	04-May-15 18	0d			WB,Inner Heading From West, CH 4075- 4085 = 10m @ 2d/m							
Inner Bench Excavation (1.5d-2d/m, 20m separation with heading)																
A9180	WB,Inner Bench From West, CH 3993- 4005 = 12m	7d/wk-1a	18d	30-Dec-14 08	17-Jan-15 18	27d			WB,Inner Bench From West, CH 3993- 4005 = 12m							
A9205	WB,Inner Bench From West, CH 4005- 4015 = 10m	7d/wk-1a	15d	20-Jan-15 08	03-Feb-15 18	25d			WB,Inner Bench From West, CH 4005- 4015 = 10m							
A9190	WB,Inner Bench From West, CH 4015- 4025 = 10m	7d/wk-1a	15d	09-Feb-15 08	26-Feb-15 18	20d			WB,Inner Bench From West, CH 4015- 4025 = 10m							
A9185	WB,Inner Bench From West, CH 4025- 4035 = 10m	7d/wk-1a	15d	04-Mar-15 08	18-Mar-15 18	15d			WB,Inner Bench From West, CH 4025- 4035 = 10m							
A9155	WB,Inner Bench From West, CH 4035- 4045 = 10m	7d/wk-1a	15d	24-Mar-15 08	08-Apr-15 18	10d			WB,Inner Bench From West, CH 4035- 4045 = 10m							
A9160	WB,Inner Bench From West, CH 4045- 4055 = 10m	7d/wk-1a	15d	14-Apr-15 08	28-Apr-15 18	5d			WB,Inner Bench From West, CH 4045- 4055 = 10m							
A9165	WB,Inner Bench From West, CH 4055- 4065 = 10m	7d/wk-1a	15d	05-May-15 08	19-May-15 18	0d			WB,Inner Bench From West, CH 4055- 4065 = 10m							
A9170	WB,Inner Bench From West, CH 4065- 4075 = 10m	7d/wk-1a	15d	20-May-15 08	03-Jun-15 18	0d			WB,Inner Bench From West, CH 4065- 4075 = 10m							
A9175	WB,Inner Bench From West, CH 4075- 4085 = 10m	7d/wk-1a	15d	04-Jun-15 08	18-Jun-15 18	0d			WB,Inner Bench From West, CH 4075- 4085 = 10m							
From East (TS4)																
Inner Heading Excavation (2d/m, 24h/day work shift, 7d/week, no work on statutory holiday)																
A9210	WB,Inner Heading From East, CH 4135- 4125 = 10m @2d/m	7d/wk-1a	20d	14-Jan-15 08	02-Feb-15 18	6d			WB,Inner Heading From East, CH 4135- 4125 = 10m @2d/m							
A9215	WB,Inner Heading From East, CH 4125- 4115 = 10m @2d/m	7d/wk-1a	20d	03-Feb-15 08	25-Feb-15 18	6d			WB,Inner Heading From East, CH 4125- 4115 = 10m @2d/m							
A9230	WB,Inner Heading From East, CH 4115- 4105 = 10m @2d/m	7d/wk-1a	20d	26-Feb-15 08	17-Mar-15 18	6d			WB,Inner Heading From East, CH 4115- 4105 = 10m @2d/m							
A9232	WB,Inner Heading From East, CH 4105- 4095 = 10m @2d/m	7d/wk-1a	20d	18-Mar-15 08	07-Apr-15 18	6d			WB,Inner Heading From East, CH 4105- 4095 = 10m @2d/m							
A9225	WB,Inner Heading From East, CH 4095- 4085 = 10m @2d/m	7d/wk-1a	20d	08-Apr-15 08	27-Apr-15 18	6d			WB,Inner Heading From East, CH 4095- 4085 = 10m @2d/m							
Inner Bench Excavation (1.5d-2d/m, 20m separation with heading)																
A9235	WB,Inner Bench From East, CH 4135- 4125 = 10m	7d/wk-1a	15d	18-Mar-15 08	01-Apr-15 18	16d			WB,Inner Bench From East, CH 4135- 4125 = 10m							
A9240	WB,Inner Bench From East, CH 4125- 4115 = 10m	7d/wk-1a	15d	08-Apr-15 08	22-Apr-15 18	11d			WB,Inner Bench From East, CH 4125- 4115 = 10m							
A9245	WB,Inner Bench From East, CH 4115- 4105 = 10m	7d/wk-1a	15d	28-Apr-15 08	13-May-15 18	6d			WB,Inner Bench From East, CH 4115- 4105 = 10m							
A9247	WB,Inner Bench From East, CH 4105- 4095 = 10m	7d/wk-1a	15d	14-May-15 08	28-May-15 18	6d			WB,Inner Bench From East, CH 4105- 4095 = 10m							
A9250	WB,Inner Bench From East, CH 4095- 4085 = 10m	7d/wk-1a	15d	29-May-15 08	12-Jun-15 18	6d			WB,Inner Bench From East, CH 4095- 4085 = 10m							

Summary Bar
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work

◆ Milestone

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China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

WORKS PROGRAMME REV. M

Prepared by William Caluza

Date	Revision	Checked	Approved
26-Sep...	1st submission		

中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015									2016		
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3				
Tunnel Lining Works																		
From West Base Slab (10m/bay, 10m separation with benching excavation)																		
A9295	WB From West, Base Slab CH 3990 - 3995 = 5m bay	7d/wk-1a	10d	18-Jan-15 08	27-Jan-15 18	37d	■ WB From West, Base Slab CH 3990 - 3995 = 5m bay											
A9320	WB From West, Base Slab CH 3995 - 4005 = 10m/bay	7d/wk-1a	10d	04-Feb-15 08	13-Feb-15 18	30d	■ WB From West, Base Slab CH 3995 - 4005 = 10m/bay											
A9255	WB From West, Base Slab CH 4005 - 4015 = 10m/bay	7d/wk-1a	10d	27-Feb-15 08	08-Mar-15 18	50d	■ WB From West, Base Slab CH 4005 - 4015 = 10m/bay											
A9260	WB From West, Base Slab CH 4015 - 4025 = 10m/bay	7d/wk-1a	10d	19-Mar-15 08	28-Mar-15 18	40d	■ WB From West, Base Slab CH 4015 - 4025 = 10m/bay											
A9265	WB From West, Base Slab CH 4025 - 4035 = 10m/bay	7d/wk-1a	10d	09-Apr-15 08	18-Apr-15 18	30d	■ WB From West, Base Slab CH 4025 - 4035 = 10m/bay											
A9300	WB From West, Base Slab CH 4035 - 4045 = 10m/bay	7d/wk-1a	10d	29-Apr-15 08	09-May-15 18	20d	■ WB From West, Base Slab CH 4035 - 4045 = 10m/bay											
A9325	WB From West, Base Slab CH 4045 - 4055 = 10m/bay	7d/wk-1a	10d	20-May-15 08	29-May-15 18	10d	■ WB From West, Base Slab CH 4045 - 4055 = 10m/bay											
A9305	WB From West, Base Slab CH 4055 - 4065 = 10m/bay	7d/wk-1a	10d	04-Jun-15 08	13-Jun-15 18	5d	■ WB From West, Base Slab CH 4055 - 4065 = 10m/bay											
A9310	WB From West, Base Slab CH 4065 - 4075 = 10m/bay	7d/wk-1a	10d	19-Jun-15 08	29-Jun-15 18	0d	■ WB From West, Base Slab CH 4065 - 4075 = 10m/bay											
A9315	WB From West, Base Slab CH 4075 - 4080 = 5m	7d/wk-1a	10d	30-Jun-15 08	10-Jul-15 18	0d	■ WB From West, Base Slab CH 4075 - 4080 = 5m											
From East Base Slab (10m/bay, 10m separation with benching excavation)																		
A9960	WB From East, Base Slab CH 4135 - 4125 = 10m/bay	7d/wk-1a	10d	23-Apr-15 08	03-May-15 18	26d	■ WB From East, Base Slab CH 4135 - 4125 = 10m/bay											
A9955	WB From East, Base Slab CH 4125 - 4115 = 10m/bay	7d/wk-1a	10d	14-May-15 08	23-May-15 18	16d	■ WB From East, Base Slab CH 4125 - 4115 = 10m/bay											
A9950	WB From East, Base Slab CH 4115 - 4105 = 10m/bay	7d/wk-1a	10d	29-May-15 08	07-Jun-15 18	11d	■ WB From East, Base Slab CH 4115 - 4105 = 10m/bay											
A9945	WB From East, Base Slab CH 4105 - 4095 = 10m/bay	7d/wk-1a	10d	13-Jun-15 08	23-Jun-15 18	6d	■ WB From East, Base Slab CH 4105 - 4095 = 10m/bay											
A9940	WB From East, Base Slab CH 4095 - 4085 = 10m/bay	7d/wk-1a	10d	24-Jun-15 08	04-Jul-15 18	6d	■ WB From East, Base Slab CH 4095 - 4085 = 10m/bay											
A9941	WB From East, Base Slab CH 4085 - 4080 = 5m	7d/wk-1a	10d	05-Jul-15 08	14-Jul-15 18	6d	■ WB From East, Base Slab CH 4085 - 4080 = 5m											
Lining (5m/bay, 10m separation with base slab)																		
A9430	WB From West, Lining CH 3990 - 3995 = 1bay	7d/wk-1a	7d	14-Feb-15 08	23-Feb-15 18	30d	■ WB From West, Lining CH 3990 - 3995 = 1bay											
A9470	WB From West, Lining CH 3995 - 4000 = 1bay	7d/wk-1a	7d	24-Feb-15 08	02-Mar-15 18	30d	■ WB From West, Lining CH 3995 - 4000 = 1bay											
A9435	WB From West, Lining CH 4000 - 4005 = 1bay	7d/wk-1a	7d	03-Mar-15 08	09-Mar-15 18	30d	■ WB From West, Lining CH 4000 - 4005 = 1bay											
A9360	WB From West, Lining CH 4005 - 4010 = 1bay	7d/wk-1a	7d	10-Mar-15 08	16-Mar-15 18	30d	■ WB From West, Lining CH 4005 - 4010 = 1bay											
A9365	WB From West, Lining CH 4010 - 4015 = 1bay	7d/wk-1a	7d	17-Mar-15 08	23-Mar-15 18	30d	■ WB From West, Lining CH 4010 - 4015 = 1bay											
A9370	WB From West, Lining CH 4015 - 4020 = 1bay	7d/wk-1a	7d	24-Mar-15 08	30-Mar-15 18	30d	■ WB From West, Lining CH 4015 - 4020 = 1bay											
A9375	WB From West, Lining CH 4020 - 4025 = 1bay	7d/wk-1a	7d	31-Mar-15 08	07-Apr-15 18	30d	■ WB From West, Lining CH 4020 - 4025 = 1bay											
A9380	WB From West, Lining CH 4025 - 4030 = 1bay	7d/wk-1a	7d	08-Apr-15 08	14-Apr-15 18	30d	■ WB From West, Lining CH 4025 - 4030 = 1bay											
A9385	WB From West, Lining CH 4030 - 4035 = 1bay	7d/wk-1a	7d	15-Apr-15 08	21-Apr-15 18	30d	■ WB From West, Lining CH 4030 - 4035 = 1bay											

Summary Bar

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

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China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

WORKS PROGRAMME REV. M

Prepared by William Kaluza

Date	Revision	Checked	Approved
26-Sep...	1st submission		

中國建築工程(香港)有限公司

CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015									2016		
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3				
A9390	WB From West, Lining CH 4035 - 4040 = 1bay	7d/wk-1a	7d	22-Apr-15 08	28-Apr-15 18	30d				■ WB From West, Lining CH 4035 - 4040 = 1bay								
A9330	WB From West, Lining CH 4040 - 4045 = 1bay	7d/wk-1a	7d	29-Apr-15 08	06-May-15 18	30d				■ WB From West, Lining CH 4040 - 4045 = 1bay								
A9335	WB From West, Lining CH 4045 - 4050 = 1bay	7d/wk-1a	7d	07-May-15 08	13-May-15 18	30d				■ WB From West, Lining CH 4045 - 4050 = 1bay								
A9340	WB From West, Lining CH 4050 - 4055 = 1bay	7d/wk-1a	7d	14-May-15 08	20-May-15 18	30d				■ WB From West, Lining CH 4050 - 4055 = 1bay								
A9345	WB From West, Lining CH 4055 - 4060 = 1bay	7d/wk-1a	7d	21-May-15 08	27-May-15 18	30d				■ WB From West, Lining CH 4055 - 4060 = 1bay								
A9350	WB From West, Lining CH 4060 - 4065 = 1bay	7d/wk-1a	7d	28-May-15 08	03-Jun-15 18	30d				■ WB From West, Lining CH 4060 - 4065 = 1bay								
A9355	WB From West, Lining CH 4065 - 4070 = 1bay	7d/wk-1a	5d	04-Jun-15 08	08-Jun-15 18	30d				■ WB From West, Lining CH 4065 - 4070 = 1bay								
A9415	WB From West, Lining CH 4070 - 4075 = 1bay	7d/wk-1a	5d	11-Jul-15 08	15-Jul-15 18	0d				■ WB From West, Lining CH 4070 - 4075 = 1bay								
A9475	WB From West, Lining CH 4075 - 4080 = 1bay	7d/wk-1a	5d	16-Jul-15 08	20-Jul-15 18	0d				■ WB From West, Lining CH 4075 - 4080 = 1bay								
A9440	WB From West, Lining CH 4080 - 4085 = 1bay	7d/wk-1a	5d	21-Jul-15 08	25-Jul-15 18	0d				■ WB From West, Lining CH 4080 - 4085 = 1bay								
A9445	WB From West, Lining CH 4085 - 4090 = 1bay	7d/wk-1a	5d	26-Jul-15 08	30-Jul-15 18	0d				■ WB From West, Lining CH 4085 - 4090 = 1bay								
A9450	WB From West, Lining CH 4090 - 4095 = 1bay	7d/wk-1a	5d	31-Jul-15 08	04-Aug-15 18	0d				■ WB From West, Lining CH 4090 - 4095 = 1bay								
A9455	WB From West, Lining CH 4095 - 4100 = 1bay	7d/wk-1a	5d	05-Aug-15 08	09-Aug-15 18	0d				■ WB From West, Lining CH 4095 - 4100 = 1bay								
A9420	WB From West, Lining CH 4100 - 4105 = 1bay	7d/wk-1a	5d	10-Aug-15 08	14-Aug-15 18	0d				■ WB From West, Lining CH 4100 - 4105 = 1bay								
A9425	WB From West, Lining CH 4105 - 4110 = 1bay	7d/wk-1a	5d	15-Aug-15 08	19-Aug-15 18	0d				■ WB From West, Lining CH 4105 - 4110 = 1bay								
A9460	WB From West, Lining CH 4110 - 4115 = 1bay	7d/wk-1a	5d	20-Aug-15 08	24-Aug-15 18	0d				■ WB From West, Lining CH 4110 - 4115 = 1bay								
A9465	WB From West, Lining CH 4115 - 4120 = 1bay	7d/wk-1a	5d	25-Aug-15 08	29-Aug-15 18	0d				■ WB From West, Lining CH 4115 - 4120 = 1bay								
A9395	WB From West, Lining CH 4120 - 4125 = 1bay	7d/wk-1a	5d	30-Aug-15 08	03-Sep-15 18	0d				■ WB From West, Lining CH 4120 - 4125 = 1bay								
A9400	WB From West, Lining CH 4125 - 4130 = 1bay	7d/wk-1a	5d	04-Sep-15 08	08-Sep-15 18	0d				■ WB From West, Lining CH 4125 - 4130 = 1bay								
A9405	WB From West, Lining CH 4130 - 4135 = 1bay	7d/wk-1a	5d	09-Sep-15 08	13-Sep-15 18	0d				■ WB From West, Lining CH 4130 - 4135 = 1bay								
A9410	WB From West, Lining CH 4135 - 4136.5 = 1bay	7d/wk-1a	5d	14-Sep-15 08	18-Sep-15 18	0d				■ WB From West, Lining CH 4135 - 4136.5 = 1bay								
OHVD(10m/bay) / Utility Trough																		
A9480	WB From West OHVD and utility trough =, 153= 16 bays @ 10m/bay @ 7d/bay	7d/wk-1a	115d	08-Jul-15 08	02-Nov-15 18	0d				■ WB From West OHVD and utility trough =, 153= 16 bays @ 10m/bay @ 7d/bay								
Completion of KD10- Section 5																		
A8445	KD10- Section 2: Completion of Mined Tunnel Works (orig. Target KD10- 2 Nov 2015)	7d/wk-2	0d		02-Nov-15 18*	0d								◆ KD10- Section 2: Completion of Mined Tunnel Works (orig. Target KD10- 2 Nov 2015)				
Interface works with other Contracts																		
S5_60115	Handover TZ6 to MTR	7d/wk-2	0d		30-Sep-14 18	-249d	◆ Handover TZ6 to MTR											
S6_5283	Handover TZ4 to CWB(T2)	7d/wk-2	0d		10-Nov-14 18	-290d	◆ Handover TZ4 to CWB(T2)											
S6_5275	Provide access to CWB (CC) Contractor- TS1 & TS2	7d/wk-2	0d		21-Nov-14 18*	-85d	◆ Provide access to CWB (CC) Contractor- TS1 & TS2											
16 of 18							Prepared by William Caluza											
China State Construction Engineering (Hong Kong) Ltd Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)							Date	Revision	Checked	Approved	 中國建築工程(香港)有限公司 CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.							
							26-Sep...	1st submission										
Summary Bar																		
Actual Level of Effort																		
Actual Work																		
Remaining Work																		
Critical Remaining Work																		
◆ Milestone																		

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015				2016		
							Q4	Q1	Q2	Q3	Q4	Q1	Q2
SB_5280	Provide access to CWB (CC) Contractor- TS4, TPCWA, Mined Tunnel	7d/wk-2	0d		31-Mar-16 18*	-124d							◆ Provide access to CWB (CC) C
Stage and Section Completion													
KD_5735	KD8 - Completion of Section 3, (1326d)	7d/wk-2	0d		30-Sep-14 18*	-86d	◆ KD8 - Completion of Section 3, (1326d)						
KD_5720	KD5 - Achievement of Stage 5, (1152d)	7d/wk-2	0d		16-Oct-14 18*	-323d	◆ KD5 - Achievement of Stage 5, (1152d)						
KD_5760	KD13 - Completion of Section 7B, (1152d)	7d/wk-2	0d		17-Nov-14 18*	-353d	◆ KD13 - Completion of Section 7B, (1152d)						
KD_5730	KD7 - Completion of Section 2, (1152d)	7d/wk-2	0d		17-Nov-14 18*	-297d	◆ KD7 - Completion of Section 2, (1152d)						
KD_5740	KD9 - Completion of Section 4, (1739d)	7d/wk-2	0d		10-Nov-15 18*	-132d					◆ KD9 - Completion of Section 4, (1739d)		
KD_5745	KD10 - Completion of Section 5, (1863d)	7d/wk-2	0d		25-Mar-16 18	-144d					◆ KD10 - Completion of Section 5,		
KD_5750	KD11 - Completion of Section 6, (1949d)	7d/wk-2	0d		23-May-16 18*	-121d					◆ KD11 - Completion of		
Portion Handover Date													
CD_5685	Portion Handover - Portion IV(4), KD8 +28	7d/wk-2	0d		28-Oct-14 18*	-50d	◆ Portion Handover - Portion IV(4), KD8 +28						
CD_5680	Portion Handover - Portion V (5), KD8 +28	7d/wk-2	0d		28-Oct-14 18*	-50d	◆ Portion Handover - Portion V (5), KD8 +28						
CD_5695	Portion Handover - Portion VI (6), KD8 +28	7d/wk-2	0d		28-Oct-14 18*	-50d	◆ Portion Handover - Portion VI (6), KD8 +28						
CD_5735	Portion Handover - Portion XIII B (13B), KD8 +28	7d/wk-2	0d		28-Oct-14 18*	-50d	◆ Portion Handover - Portion XIII B (13B), KD8 +28						
CD_5790	Portion Handover - Portion XXII (22), KD8 +28	7d/wk-2	0d		28-Oct-14 18*	-50d	◆ Portion Handover - Portion XXII (22), KD8 +28						
CD_5670	Portion Handover - Portion III (3), KD8 +28	7d/wk-2	0d		28-Oct-14 18*	-50d	◆ Portion Handover - Portion III (3), KD8 +28						
CD_5720	Portion Handover - Portion XIII A (13A), KD7 +28	7d/wk-2	0d		15-Dec-14 18*	-79d	◆ Portion Handover - Portion XIII A (13A), KD7 +28						
CD_5705	Portion Handover - Portion VIII (8), KD7 +28	7d/wk-2	0d		15-Dec-14 18*	-79d	◆ Portion Handover - Portion VIII (8), KD7 +28						
CD_5730	Portion Handover - Portion XIVA (14A), KD7 +28	7d/wk-2	0d		15-Dec-14 18*	-79d	◆ Portion Handover - Portion XIVA (14A), KD7 +28						
CD_5740	Portion Handover - Portion XV (15), KD7 +28	7d/wk-2	0d		15-Dec-14 18*	-79d	◆ Portion Handover - Portion XV (15), KD7 +28						
CD_5805	Portion Handover - Portion XXIII (23), KD7 +28	7d/wk-2	0d		15-Dec-14 18*	-79d	◆ Portion Handover - Portion XXIII (23), KD7 +28						
CD_5775	Portion Handover - Portion XVIII (18), KD10 +28	7d/wk-2	0d		30-Nov-15 18*	0d					◆ Portion Handover - Portion XVIII (18), KD10 +28		
CD_5710	Portion Handover - Portion XI (11), KD9 +28	7d/wk-2	0d		27-Dec-15 18*	0d					◆ Portion Handover - Portion XI (11), KD9 +28		
CD_5700	Portion Handover - Portion IX (9), KD10 +28	7d/wk-2	0d		22-Apr-16 18*	-52d					◆ Portion Handover - Portion		
CD_5745	Portion Handover - Portion XIV B (14B), KD10 +28	7d/wk-2	0d		22-Apr-16 18*	-52d					◆ Portion Handover - Portion		
CD_5755	Portion Handover - Portion XVI (16), KD10 +28	7d/wk-2	0d		22-Apr-16 18*	-52d					◆ Portion Handover - Portion		
CD_5750	Portion Handover - Portion XVII (17), KD10 +28	7d/wk-2	0d		22-Apr-16 18*	-52d					◆ Portion Handover - Portion		
CD_5760	Portion Handover - Portion XIX (19), KD10 +28	7d/wk-2	0d		22-Apr-16 18*	-52d					◆ Portion Handover - Portion		
CD_5780	Portion Handover - Portion XXB (20B), KD10 +28	7d/wk-2	0d		22-Apr-16 18*	-52d					◆ Portion Handover - Portion		

Summary Bar

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

◆

◆ Milestone

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China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

WORKS PROGRAMME REV. M

Prepared by William Caluza

Date	Revision	Checked	Approved
25-Sep...	1st submission		

中國建築工程(香港)有限公司
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD

Activity ID	Activity Name	Calendar	Original Duration	Start	Finish	Total Float	2015					2016		
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
CD_5690	Portion Handover - Portion VII (7), KD11 +28	7d/wk-2	0d		20-Jun-16 18	0d								◆ Portion Handov
CD_5725	Portion Handover - Portion XII (12), KD11 +28	7d/wk-2	0d		20-Jun-16 18	0d								◆ Portion Handov
CD_5715	Portion Handover - Portion X (10), KD11 +28	7d/wk-2	0d		20-Jun-16 18	0d								◆ Portion Handov
CD_5785	Portion Handover - Portion XXA (20A), KD11 +28	7d/wk-2	0d		20-Jun-16 18	0d								◆ Portion Handov
CD_5795	Portion Handover - Portion XXI (21), KD11 +28	7d/wk-2	0d		20-Jun-16 18	0d								◆ Portion Handov

 Summary Bar
 Actual Level of Effort
 Actual Work
 Remaining Work
 Critical Remaining Work
 Milestone

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China State Construction Engineering (Hong Kong) Ltd

Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel (Causeway Bay Typhoon Shelter Section)

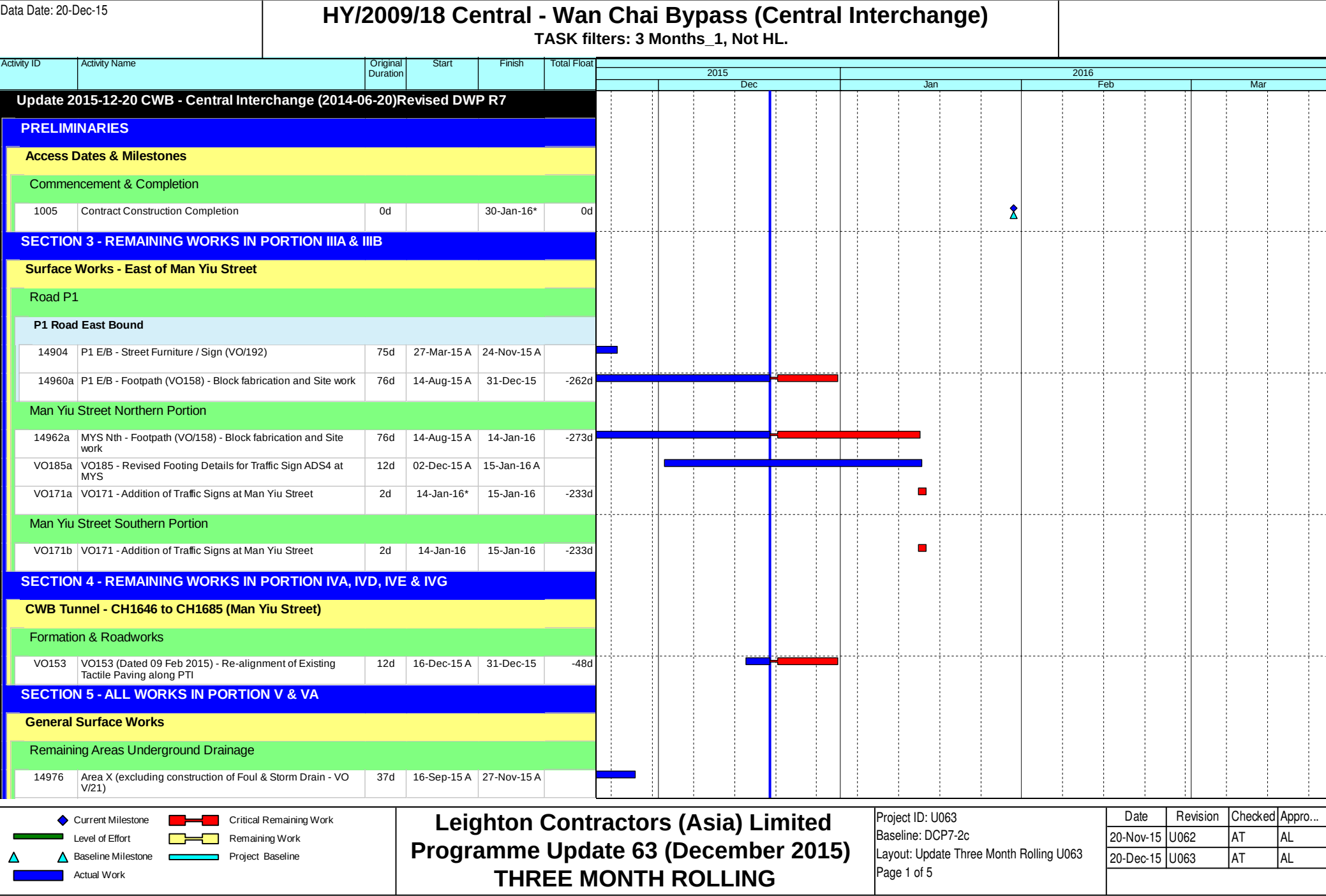
WORKS PROGRAMME REV. M

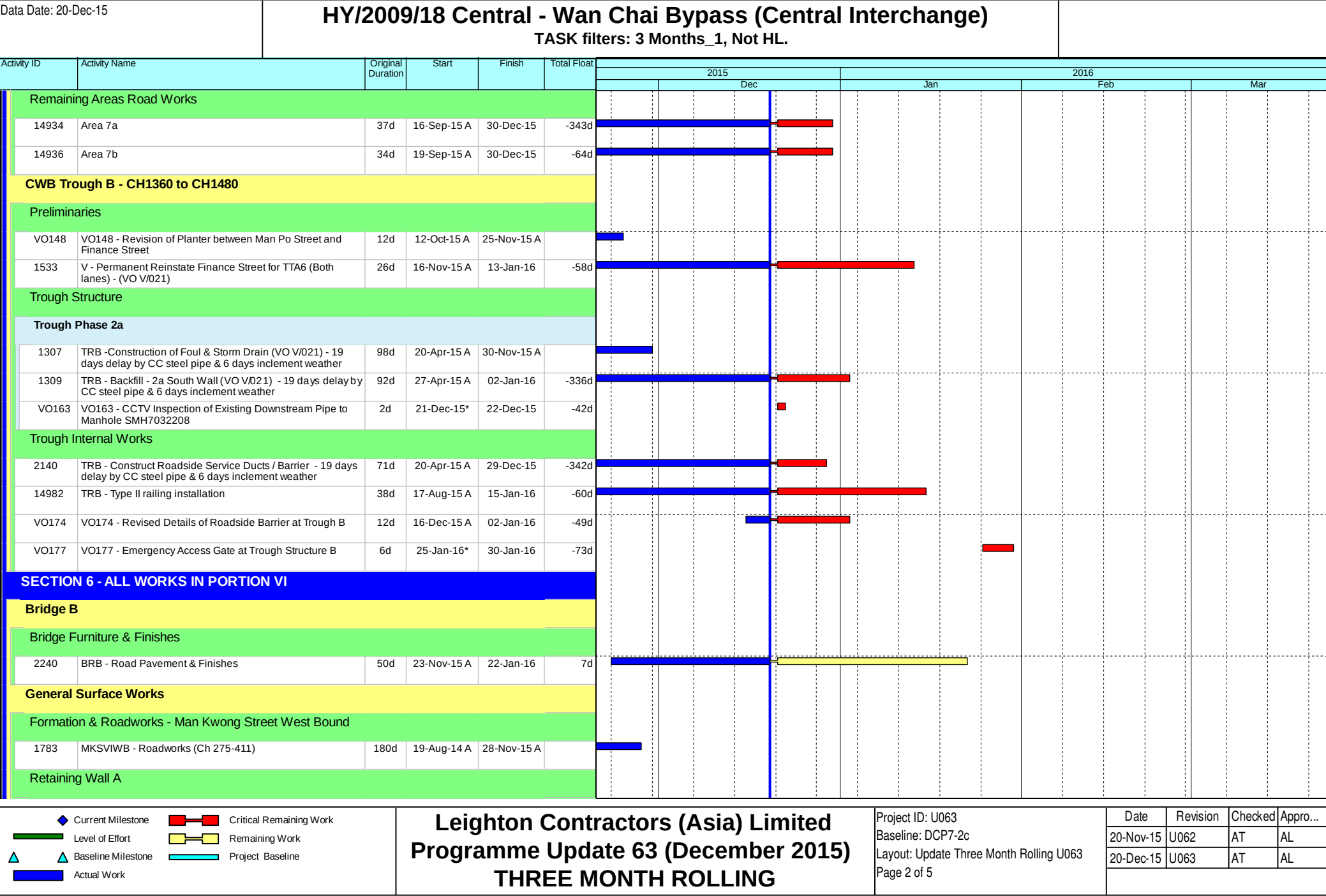
Prepared by William Caluza

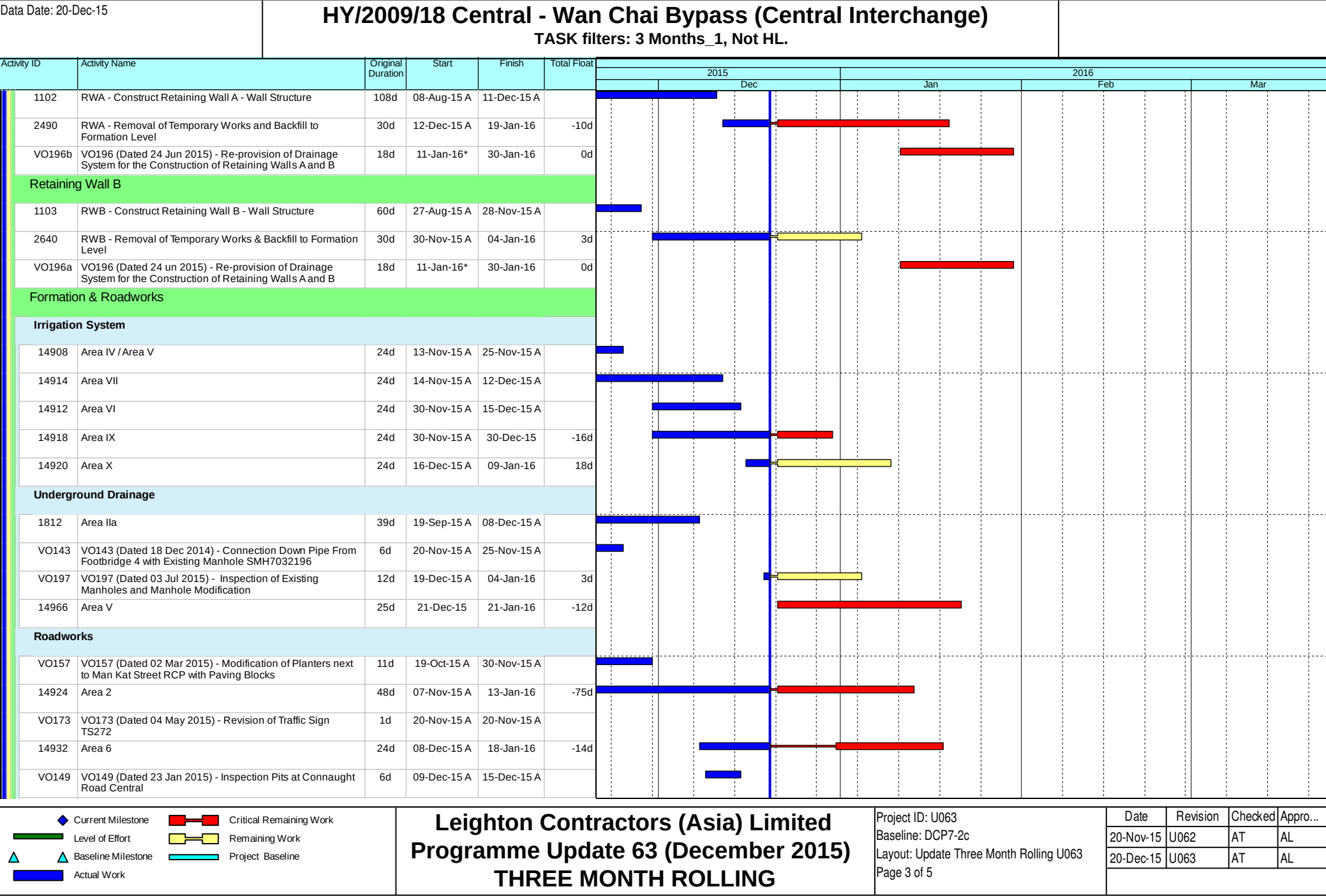
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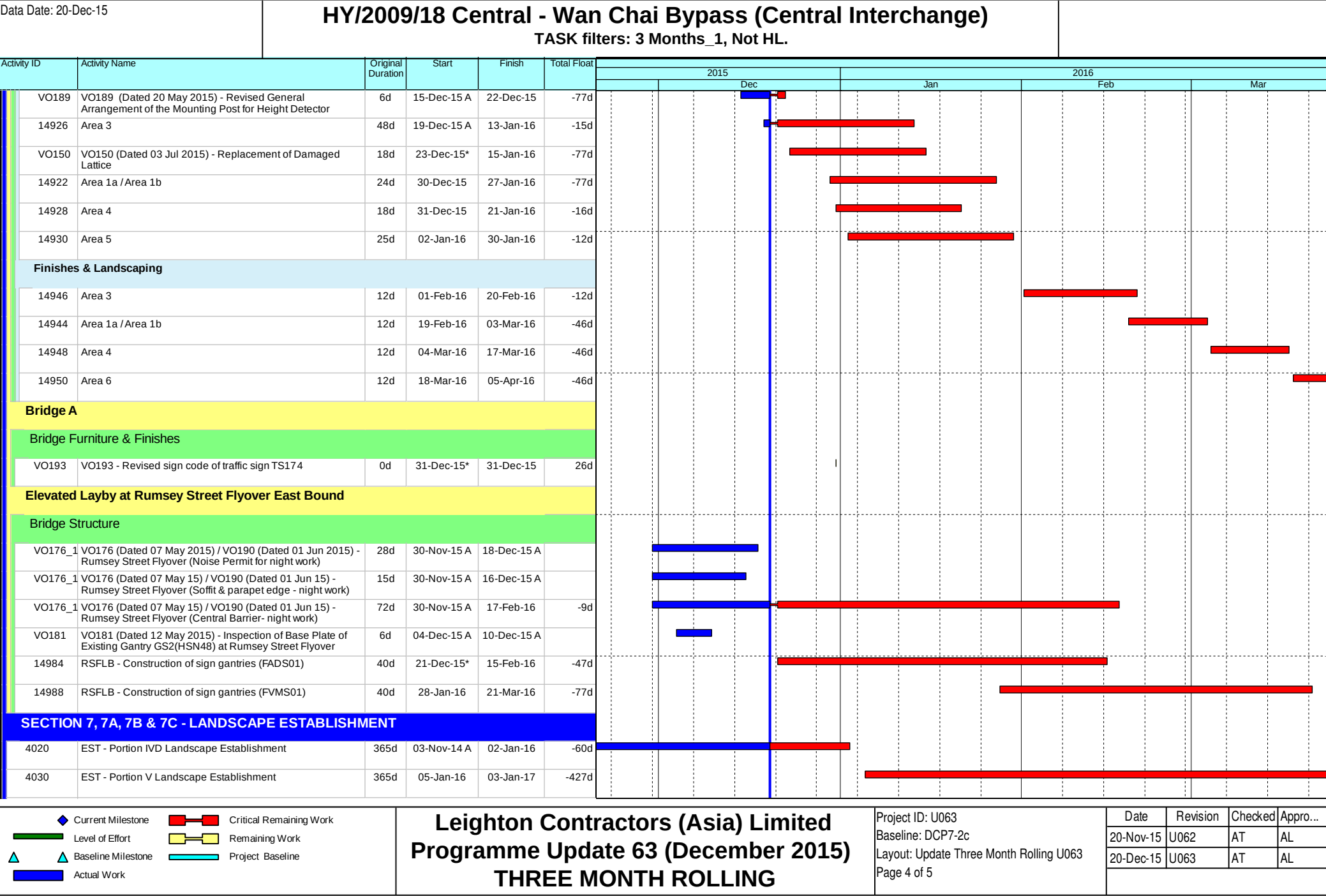


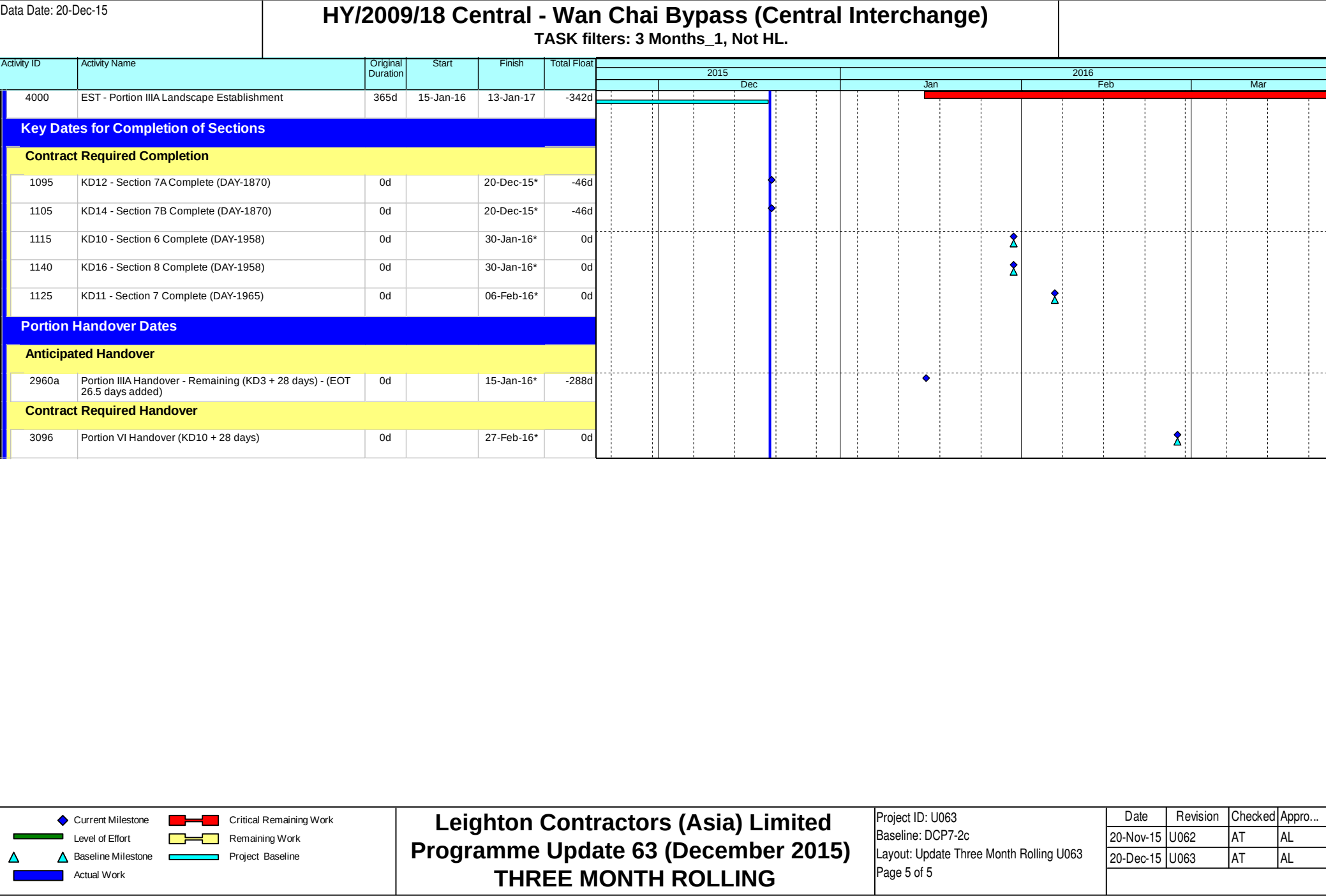
中國建築工程(香港)有限公司
 CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.











Activity ID	Activity Name	Remaining Duration	Start	Finish	September	20	27	04	October	11	18	25	2015	01	08	November	15	22	29	December	06	13	20
3MRP - Sept 2015 to Dec 2015																							
02 - PRE-CONSTRUCTION WORKS																							
02.3 - Method Statement / Shop Drawings																							
0230-1380	MS Landscape Deck Structure - Submission	25	20-Jun-15 A	14-Oct-15																			
0230-1390	MS Landscape Deck Structure - ER Review & Comment	28	15-Oct-15	11-Nov-15																			
0230-1400	MS Landscape Deck Structure - Resubmission	28	12-Nov-15	09-Dec-15																			
0230-1611	MS Noise Semi Enclosure - Submission	48	20-Jul-15 A	06-Nov-15																			
0230-1612	MS Noise Semi Enclosure - ER Review / Comment	28	07-Nov-15	04-Dec-15																			
0230-1613	MS Noise Semi Enclosure - Resubmission	28	05-Dec-15	01-Jan-16																			
0230-1690	MS Approach Ramp - ER Approval	14	01-Feb-15 A	03-Oct-15																			
0230-2330	MS for Connection of EVB and EVA - Submission	10	10-Mar-15 A	29-Sep-15																			
0230-2340	MS for Connection of EVB and EVA - ER Review & Comment	12	30-Sep-15	11-Oct-15																			
0230-2350	MS for Connection of EVB and EVA - Resubmission	6	12-Oct-15	17-Oct-15																			
0230-2360	MS for Connection of EVB and EVA - ER No Adverse Comment	10	18-Oct-15	27-Oct-15																			
02.4 - Contractor's Design and Build Items																							
0240-1180	HGHK Permanent Carpark Design - ER/HGHK Review and Comment	25	25-Aug-15 A	14-Oct-15																			
0240-1190	HGHK Permanent Carpark Design - Resubmission	50	15-Oct-15	03-Dec-15																			
0240-1270	Landscaping Design - Submission	28	20-Sep-15*	17-Oct-15																			
0240-1280	Landscaping Design - ER Review/Resubmission	28	18-Oct-15	14-Nov-15																			
0240-1290	Landscaping Design - ER Approval	28	15-Nov-15	12-Dec-15																			
0240-1630	Green Roof & Wall Minimum 2 years Establishment	488	18-Apr-15 A	06-May-17																			
02.5 - Bridge Segment/Beam Off-site Precasting																							
0250-3580	Bridge F1C Pier 36 T-span Segment Off-site Casting (13 nos.)	17	10-Jun-15 A	12-Oct-15																			
0250-3640	Bridge F1C Pier 38 End-span Segment Off-site Casting (6 nos.)	0	18-Jun-15 A	24-Aug-15 A																			
0250-3720	Bridge F3C Pier 41 T-span Segment Off-site Casting (13 nos.)	29	10-Apr-15 A	27-Oct-15																			
0250-3740	Bridge F3C Pier 42 T-span Segment Off-site Casting (11 nos.)	3	18-Apr-15 A	23-Sep-15																			
0250-3760	Bridge F3C Pier 40 End-span Segment Off-site Casting (5 nos.)	13	10-Apr-15 A	07-Oct-15																			
0250-3780	Bridge F3C Pier 43 End-span Segment Off-site Casting (6 nos.)	2	22-May-15 A	07-Oct-15																			
0250-3860	Bridge F1B2 - Abut D12 Segment - 6 nos. (S2)	19	23-Sep-15	17-Oct-15																			
0250-3880	Bridge F1B2 - Pier F1B2 Segment - 13 nos. (S1)	40	07-Oct-15	24-Nov-15																			
0250-3920	Bridge F1B2 - Pier F3B2 Segment - 6 nos. (S2)	19	26-Oct-15	17-Nov-15																			
0250-3940	Bridge F2B - Pier F3B2 Segment - 5 nos. (S2)	16	24-Nov-15	12-Dec-15																			
02.6 - Fabrication & Delivery of Noise Enclosure																							
0260-5000	Int. Noise Enclosure Main + Sub Frames Fab / Del	75	01-Jun-15 A	19-Dec-15																			
0260-5010	Int. Noise Enclosure Noise Panel Fab / Del	21	19-Jan-15 A	17-Oct-15																			
03 - PRELIMINARY WORKS																							
03.3 - Interface Works																							
A1040	Constr. of DN75 Storm Drain (Oil street) - ELS and Excavation	1	15-Aug-15 A	21-Sep-15																			
A1050	Constr. of DN75 Storm Drain (Oil street) - Casting of Blinding Layer	1	22-Sep-15	22-Sep-15																			
A1060	Constr. of DN75 Storm Drain (Oil street) - Pipe Laying + Air test	6	23-Sep-15	30-Sep-15																			
A1070	Constr. of DN75 Storm Drain (Oil street) - Constr. of Manhole 1-56 (Lower portion)	3	02-Oct-15	05-Oct-15																			
A1080	Constr. of DN75 Storm Drain (Oil street) - Constr. of Manhole 1-56 (Upper portion)	5	06-Oct-15	10-Oct-15																			
A1090	Constr. of DN75 Storm Drain (Oil street) - Concreting Pipeline intersection	1	06-Oct-15	06-Oct-15																			
A1100	Constr. of DN75 Storm Drain (Oil street) - Trench Backfilling	4	07-Oct-15	10-Oct-15																			
A1110	Constr. of DN75 Storm Drain (Oil street) - Removing ELS	2	12-Oct-15	13-Oct-15																			
A1120	Constr. of DN75 Storm Drain (Oil street) - Pavement Reinstatement	2	14-Oct-15	15-Oct-15																			
A1130	Complete Drainage work at Oil Street	0		31-Oct-15*																			
05 - SECTION 2 & 2A OF THE WORKS																							
05.1 - Cut & Cover Tunnel Ch 4855-4932 (APS Footprint)																							
05.1.3 - APS & Tunnel Structure																							
0513-3060	APS Basement (Bay 21-South) - Staircase Landing 8 > Staircase Landing 12	20	07-Jul-15 A	15-Oct-15																			
0513-3080	Tunnel Level - South Side Additional Beam at Bay 21	5	10-Oct-15	15-Oct-15																			
0513-3100	Reinstate Temporary Opening of Base Slab > Bay 18	0	22-Aug-15 A	01-Sep-15 A																			
0513-3105	Reinstate Temporary Opening of OHVD & Roof Slab > Bay 18	0	22-Aug-15 A	28-Aug-15 A																			
0513-3580	Completion of Outstanding Works at APS & Tunnel	0		15-Oct-15																			
05.1.5 - EVB Sub-structure & Tunnel																							
0515-1120	EVB Basement - Col/Partition Wall (Reb. Fix) > Zone 1A: GL1-2/A-E, 2-3/B-E, 3-6/C-F, 4-6/F-J	4	13-Jul-15 A	24-Sep-15																			
0515-1140	EVB Basement - Col/Partition Wall (Fwk) > Zone 1A to Mezz (-1.40) Soffit	7	03-Aug-15 A	29-Sep-15																			
0515-1160	EVB Basement - Col/Partition Wall (Conc) > Zone 1A to Mezz (-1.40) Soffit	2	30-Sep-15	02-Oct-15																			

Remaining Level of Effort ◆ ◆ Milestone

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

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Three Months Rolling Programme (20 Sept to 19 Dec 2015)

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Activity ID	Activity Name	Remaining Duration	Start	Finish	2015														
					September	October					November				December				
					13	20	27	04	11	18	25	01	08	15	22	29	06	13	20
0515-1180	EVB Basement - Mezz Slab & Beam (Lv -1.4) - (Falsework/Fwk) > Zone 1A	10	17-Aug-15 A	03-Oct-15															
0515-1200	EVB Basement - Mezz Slab & Beam (Lv -1.4) - (Reb. Fix) > Zone 1A	6	16-Sep-15 A	10-Oct-15															
0515-1220	EVB Basement - Mezz Slab & Beam (Lv -1.4) - (Conc) > Zone 1A	2	12-Oct-15	13-Oct-15															
0515-1240	EVB Basement - Col/Partition Wall (Reb. Fix) > Zone 2A: GL1-6/A-D (ind ST-04)	14	15-Aug-15 A	08-Oct-15															
0515-1260	EVB Basement - Col/Partition Wall (Fwk) > Zone 2A to Roof Soffit	14	06-Oct-15	22-Oct-15															
0515-1280	EVB Basement - Col/Partition Wall (Conc) > Zone 2A to Roof Soffit	2	23-Oct-15	24-Oct-15															
0515-1300	EVB Basement - Mezz Slab & Beam (Lv +2.65) - (Falsework/Fwk) > Zone 2A	6	26-Oct-15	31-Oct-15															
0515-1320	EVB Basement - Mezz Slab & Beam (Lv +2.65) - (Reb. Fix) > Zone 2A	3	02-Nov-15	04-Nov-15															
0515-1340	EVB Basement - Mezz Slab & Beam (Lv +2.65) - (Conc) > Zone 2A	1	05-Nov-15	05-Nov-15															
0515-1360	EVB Basement - Col/Partition Wall (Reb. Fix) > Zone 3A: GL1-6/E-H	6	12-Aug-15 A	26-Sep-15															
0515-1380	EVB Basement - Col/Partition Wall (Fwk) > Zone 3A to Roof Soffit	8	17-Aug-15 A	08-Oct-15															
0515-1400	EVB Basement - Col/Partition Wall (Conc) > Zone 3A to Roof Soffit	2	07-Oct-15	08-Oct-15															
0515-1420	EVB Basement - Col/Partition Wall (Reb. Fix) > Zone 4A: GL1-6/H-K	6	06-Aug-15 A	20-Oct-15															
0515-1440	EVB Basement - Col/Partition Wall (Fwk) > Zone 4A to Roof Soffit	9	12-Aug-15 A	28-Oct-15															
0515-1460	EVB Basement - Col/Partition Wall (Conc) > Zone 4A to Roof Soffit	2	29-Oct-15	30-Oct-15															
0515-1480	EVB Basement - Col/Partition Wall (Reb. Fix) > Zone 5A: GL1-6/K-O (ind ST-03)	18	07-Jul-15 A	13-Oct-15															
0515-1500	EVB Basement - Col/Partition Wall (Fwk) > Zone 5A to Roof Soffit	18	11-Jul-15 A	13-Oct-15															
0515-1520	EVB Basement - Col/Partition Wall (Conc) > Zone 5A to Roof Soffit	18	30-Jul-15 A	13-Oct-15															
0515-1540	EVB Basement - Roof Slab (Falsework/Fwk) > Zone 5B : GL1-6/K-O	15	15-Aug-15 A	13-Oct-15															
0515-1560	EVB Basement - Roof Slab (Reb Fix) > Zone 5B : GL1-6/K-O	17	01-Sep-15 A	15-Oct-15															
0515-1580	EVB Basement - Roof Slab (Conc) > Zone 5B : GL1-6/K-O	2	16-Oct-15	17-Oct-15															
0515-1600	EVB Basement - Roof Slab (Falsework/Fwk) > Zone 4B : GL1-6/H-K	21	09-Oct-15	03-Nov-15															
0515-1620	EVB Basement - Roof Slab (Reb Fix) > Zone 4B : GL1-6/H-K	14	02-Nov-15	17-Nov-15															
0515-1640	EVB Basement - Roof Slab (Conc) > Zone 4B : GL1-6/H-K	2	18-Nov-15	19-Nov-15															
0515-1660	EVB Basement - Roof Slab (Falsework/Fwk) > Zone 3B : GL1-6/E-H	21	04-Nov-15	27-Nov-15															
0515-1680	EVB Basement - Roof Slab (Reb Fix) > Zone 3B : GL1-6/E-H	14	26-Nov-15	11-Dec-15															
0515-1700	EVB Basement - Roof Slab (Conc) > Zone 3B : GL1-6/E-H	2	12-Dec-15	14-Dec-15															
0515-1720	EVB Basement - Roof Slab (Falsework/Fwk) > Zone 2B : GL1-6/A-E	21	26-Nov-15	19-Dec-15															
0515-1740	EVB Basement - Roof Slab (Reb Fix) > Zone 2B : GL1-6/A-E	14	12-Dec-15	29-Dec-15															
0515-1760	EVB Basement - Roof Slab (Conc) > Zone 2B : GL1-6/A-E	2	30-Dec-15	31-Dec-15															
0515-1780	EVB - Reinstatement of Openings @ TA23-25 - Demo & Erection of Working Platform (hanging)	5	24-Dec-15	30-Dec-15															
0515-1800	EVB - Reinstatement of Openings @ TA23-25 - Formworks	2	31-Dec-15	02-Jan-16															
0515-1980	Complete approx 50% of EVB Structure	0		30-Sep-15															
1051-3221	Saw Cutting Preparation for D-Wall - South (Scaffolding/Platform/Coring) - (Zone 4A-5A)	12	06-Nov-15	19-Nov-15															
1051-3222	Saw Cutting of D-Wall > South - (Zone 4A-5A)	12	20-Nov-15	03-Dec-15															
1051-3223	CJ Preparation for South Wall along D-Wall - (Zone 4A-5A)	10	26-Nov-15	07-Dec-15															
1051-3224	Construction of South Wall along D-Wall + Stitching to Roof Slab - (Zone 4A-5A)	7	04-Dec-15	11-Dec-15															
1051-3225	Saw Cutting Preparation for D-Wall - South (Scaffolding/Platform/Coring) - (Zone 3A)	12	20-Nov-15	03-Dec-15															
1051-3226	Saw Cutting of D-Wall > South - (Zone 3A)	13	04-Dec-15	18-Dec-15															
1051-3227	CJ Preparation for South Wall along D-Wall - (Zone 3A)	10	10-Dec-15	21-Dec-15															
1051-3228	Construction of South Wall along D-Wall + Stitching to Roof Slab - (Zone 3A)	7	19-Dec-15	28-Dec-15															
1051-3230	Excavation + Saw Cutting Preparation at North Side D-Wall - (TA24-23)	12	12-Dec-15	26-Dec-15															
1051-3330	Excavation at North Side D-Wall - (TA27-26)	4	18-Dec-15	22-Dec-15															
1051-3340	Saw Cutting Preparation for D-Wall - North (Scaffolding/Platform/Coring) - (Zone 5A)	12	09-Dec-15	22-Dec-15															
1051-3430	Complete Saw Cutting of D-Wall after Removal of TA23	3	29-Dec-15	31-Dec-15															
1051-3441	Excavation at North Side D-Wall - (TA24-25)	4	23-Dec-15	28-Dec-15															
1051-3560	EVA - Coring along Bulkhead Wall	14	15-Oct-15*	31-Oct-15															
1051-3570	EVA - Vertical & Horizontal Saw Cutting along Bulk Head Wall	14	02-Nov-15	17-Nov-15															
1051-3580	EVA - Pre-Treatment + Pressure Grouting	7	18-Nov-15	25-Nov-15															
1051-3590	EVA - Removal of Bulkhead Wall	7	18-Nov-15	25-Nov-15															
1051-3600	EVA - Complete demolition and Prepare CJ	7	26-Nov-15	03-Dec-15															
1051-3615	Completion 100% of EVB Structure (excl reinstatement)	0		31-Dec-15*															
05.2 - Cut & Cover Tunnel Ch 4932-5149																			
05.2.5 - Road & Miscellaneous Works																			
0525-1340	Complete Remaining work at C/C Tunnel	0		15-Oct-15															
06 - SECTION 3 OF THE WORKS																			
06.1 - Westbound - Pier 29-34																			
0610-1400	Construct W/B Bridge Pier 29 > Column	0	18-Aug-15 A	02-Sep-15 A															
0610-1420	Construct W/B Bridge Pier 29 > Rebar Fixing - Crosshead	0	26-Aug-15 A	11-Sep-15 A															
0610-1440	Construct W/B Bridge Pier 29 > Formworks + Concreting - Crosshead	0	12-Sep-15 A	15-Sep-15 A															

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work

Contract HY/2009/19

Three Months Rolling Programme (20 Sept to 19 Dec 2015)

Activity ID	Activity Name	Remaining Duration	Start	Finish	2015															
					September			October				November				December				
					13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	
0610-1460	Construct W/B Bridge Pier 29 > Bearing	4	16-Sep-15 A	24-Sep-15			Construct W/B Bridge Pier 29 > Bearing													
0610-1540	Construct W/B Bridge Pier 30 > Formworks + Concreting - Crosshead	0	21-Aug-15 A	24-Aug-15 A	works + Concreting - Crosshead															
0610-1560	Construct W/B Bridge Pier 30 > Bearing	6	25-Aug-15 A	26-Sep-15			Construct W/B Bridge Pier 30 > Bearing													
0610-1620	Construct W/B Bridge Pier 31 > Rebar Fixing - Crosshead	0	19-Aug-15 A	01-Sep-15 A	Pier 31 > Rebar Fixing - Crosshead															
0610-1640	Construct W/B Bridge Pier 31 > Formworks + Concreting - Crosshead	0	02-Sep-15 A	05-Sep-15 A	B Bridge Pier 31 > Formworks + Concreting - Crosshead															
0610-1660	Construct W/B Bridge Pier 31 > Bearing	5	07-Sep-15 A	25-Sep-15			Construct W/B Bridge Pier 31 > Bearing													
0610-1720	Construct W/B Bridge Pier 32 > Rebar Fixing - Crosshead	0	19-Aug-15 A	25-Aug-15 A	ar Fixing - Crosshead															
0610-1740	Construct W/B Bridge Pier 32 > Formworks + Concreting - Crosshead	0	26-Aug-15 A	29-Aug-15 A	2 > Formworks + Concreting - Crosshead															
0610-1760	Construct W/B Bridge Pier 32 > Bearing	0	31-Aug-15 A	12-Sep-15 A	Construct W/B Bridge Pier 32 > Bearing															
0610-1820	Construct W/B Bridge Pier 33 > Rebar Fixing - Crosshead	0	15-Aug-15 A	29-Aug-15 A	3 > Rebar Fixing - Crosshead															
0610-1840	Construct W/B Bridge Pier 33 > Formworks + Concreting - Crosshead	0	31-Aug-15 A	02-Sep-15 A	e Pier 33 > Formworks + Concreting - Crosshead															
0610-1860	Construct W/B Bridge Pier 33 > Bearing	5	03-Sep-15 A	25-Sep-15			Construct W/B Bridge Pier 33 > Bearing													
0610-1880	W/B Bridge Pier 34 - Tie Beam > Breaking + Excav + Blinding	8	04-Nov-15	12-Nov-15	W/B Bridge Pier 34 - Tie Beam > Breaking + Excav + Blinding															
0610-1900	Construct W/B Bridge Pier 34 - Tie Beam > CJ + post drill rebar & Construction	14	13-Nov-15	28-Nov-15	Construct W/B Bridge Pier 34 - Tie Beam > CJ + post															
0610-1920	Construct W/B Bridge Pier 34 Drilling of Starter Bars for Pier/Column	14	04-Nov-15	19-Nov-15	Construct W/B Bridge Pier 34 Drilling of Starter Bars for Pier/Column															
0610-1940	Construct W/B Bridge Pier 34 Construct Crosshead	15	20-Nov-15	07-Dec-15	Construct W/B Bridge Pier 34 Cons															
0610-1960	Construct W/B Bridge Pier 34 - Install Bearing	6	08-Dec-15	14-Dec-15	Construct W/B Bridge															
06.3 - Admin Building																				
0630-1100	Grd. Beam - (GL > K-N) (P31-32) - Removal of Existing Sheet Piles	0	01-Sep-15 A	09-Sep-15 A	eam - (GL > K-N) (P31-32) - Removal of Existing Sheet Piles															
0630-1101	Grd. Beam - (GL > K-N) - Excavate to formation level + Blinding Layer Casting	1	10-Sep-15 A	21-Sep-15		Grd. Beam - (GL > K-N) - Excavate to formation level + Blinding Layer Casting														
0630-1120	Grd. Beam - (GL > K-N) - Install Capping Plate	4	22-Sep-15	25-Sep-15		Grd. Beam - (GL > K-N) - Install Capping Plate														
0630-1140	Grd. Beam - (GL > K-N) - Rebar Fixing for Ground Beam	7	26-Sep-15	06-Oct-15		Grd. Beam - (GL > K-N) - Rebar Fixing for Ground Beam														
0630-1160	Grd. Beam - (GL > K-N) - Erect Formworks for Ground Beam	4	05-Oct-15	08-Oct-15		Grd. Beam - (GL > K-N) - Erect Formworks for Ground Beam														
0630-1180	Grd. Beam - (GL > K-N) - Cast Concrete for Ground Beam	1	09-Oct-15	09-Oct-15		Grd. Beam - (GL > K-N) - Cast Concrete for Ground Beam														
0630-1200	Grd. Beam - (GL > K-N) - Formworks Removal	1	10-Oct-15	10-Oct-15		Grd. Beam - (GL > K-N) - Formworks Removal														
0630-1600	Grd. Beam - (GL > D-G) (P29-30) - Removal of Existing Sheet Piles	1	10-Aug-15 A	21-Sep-15		Grd. Beam - (GL > D-G) (P29-30) - Removal of Existing Sheet Piles														
0630-1620	Grd. Beam - (GL > D-G) - Excavate to formation level + Blinding Layer Casting	4	23-Oct-15	27-Oct-15		Grd. Beam - (GL > D-G) - Excavate to formation level + Blinding Layer Casting														
0630-1640	Grd. Beam - (GL > D-G) - Install Capping Plate	3	27-Oct-15	29-Oct-15		Grd. Beam - (GL > D-G) - Install Capping Plate														
0630-1660	Grd. Beam - (GL > D-G) - Rebar Fixing for Ground Beam	6	29-Oct-15	04-Nov-15		Grd. Beam - (GL > D-G) - Rebar Fixing for Ground Beam														
0630-1700	Grd. Beam - (GL > D-G) - Erect Formworks for Ground Beam	4	04-Nov-15	07-Nov-15		Grd. Beam - (GL > D-G) - Erect Formworks for Ground Beam														
0630-1720	Grd. Beam - (GL > D-G) - Cast Concrete for Ground Beam	1	09-Nov-15	09-Nov-15		Grd. Beam - (GL > D-G) - Cast Concrete for Ground Beam														
0630-1740	Grd. Beam - (GL > D-G) - Formworks Removal	1	10-Nov-15	10-Nov-15		Grd. Beam - (GL > D-G) - Formworks Removal														
0630-1880	Grd. Beam - (GL > P-R) (P33-34)- Removal of Existing Sheet Piles	4	23-Oct-15	27-Oct-15		Grd. Beam - (GL > P-R) (P33-34)- Removal of Existing Sheet Piles														
0630-1900	Grd. Beam - (GL > P-R) - Excavate to formation level + Blinding Layer Casting	5	28-Oct-15	02-Nov-15		Grd. Beam - (GL > P-R) - Excavate to formation level + Blinding Layer Casting														
0630-1920	Grd. Beam - (GL > P-R) - Install Capping Plate	6	02-Nov-15	07-Nov-15		Grd. Beam - (GL > P-R) - Install Capping Plate														
0630-1940	Grd. Beam - (GL > P-R) - Rebar Fixing for Beam	7	05-Nov-15	12-Nov-15		Grd. Beam - (GL > P-R) - Rebar Fixing for Beam														
0630-1960	Grd. Beam - (GL > P-R) - Erect Formworks for Beam	4	13-Nov-15	17-Nov-15		Grd. Beam - (GL > P-R) - Erect Formworks for Beam														
0630-1980	Grd. Beam - (GL > P-R) - Cast Concrete for Beam	1	18-Nov-15	18-Nov-15		Grd. Beam - (GL > P-R) - Cast Concrete for Beam														
0630-2000	Grd. Beam - (GL > P-R) - Formworks Removal	1	19-Nov-15	19-Nov-15		Grd. Beam - (GL > P-R) - Formworks Removal														
0630-2020	Grd. Beam - (GL > B-D) (P29) - Removal of Existing Sheet Piles	1	18-Aug-15 A	21-Sep-15		Grd. Beam - (GL > B-D) (P29) - Removal of Existing Sheet Piles														
0630-2021	Grd. Beam - (GL > B-D) - Excavate to formation level + Blinding Layer Casting	6	21-Sep-15	26-Sep-15		Grd. Beam - (GL > B-D) - Excavate to formation level + Blinding Layer Casting														
0630-2040	Grd. Beam - (GL > B-D) - Install Capping Plate	4	29-Sep-15	03-Oct-15		Grd. Beam - (GL > B-D) - Install Capping Plate														
0630-2080	Grd. Beam - (GL > B-D) - Rebar Fixing for Ground Beam	7	06-Oct-15	13-Oct-15		Grd. Beam - (GL > B-D) - Rebar Fixing for Ground Beam														
0630-2100	Grd. Beam - (GL > B-D) - Erect Formworks for Ground Beam	4	13-Oct-15	16-Oct-15		Grd. Beam - (GL > B-D) - Erect Formworks for Ground Beam														
0630-2120	Grd. Beam - (GL > B-D) - Cast Concrete for Ground Beam	1	17-Oct-15	17-Oct-15		Grd. Beam - (GL > B-D) - Cast Concrete for Ground Beam														
0630-2140	Grd. Beam - (GL > B-D) - Formworks Removal	1	19-Oct-15	19-Oct-15		Grd. Beam - (GL > B-D) - Formworks Removal														
0630-2440	Complete ADB Ground Beam	0		11-Dec-15*	◆ Complete ADB Ground Bea															
0630-2540	Storm Water Drain at Portion VB	15	03-Nov-15	19-Nov-15	Storm Water Drain at Portion VB															
0630-2543	Install Irrigation Watermain within Portion V	15	09-Nov-15	25-Nov-15	Install Irrigation Watermain within Portion V															
0630-2550	Construction of pile cap for PC21	15	21-Sep-15	09-Oct-15	Construction of pile cap for PC21															
0630-2570	Construction of pile cap for PC22	14	12-Sep-15 A	09-Oct-15		Construction of pile cap for PC22														
0630-2575	Construction of Column for Landscape Dect at PC21 & 22 up to Gnd Level	18	12-Oct-15	02-Nov-15	Construction of Column for Landscape Dect at PC21 & 22 up to Gnd Level															
0630-2590	Install underground drainage at Portion VB	12	29-Sep-15	13-Oct-15	Install underground drainage at Portion VB															
0630-2593	Construct Road Pavement Between P31-32 within Porion VB incl sub-base	21	04-Dec-15	29-Dec-15																
0630-2595	Remove Temp Container/Storage within Admin Area	9	14-Oct-15	24-Oct-15	Remove Temp Container/Storage within Admin Area															
08 - SECTION 5 WORK																				
08.1 - Retaining Wall 'F' Substructure																				
0810-1650	Retaining Wall F > Temp Excav Support/Open cut Excav works	18	21-Sep-15	13-Oct-15	Retaining Wall F > Temp Excav Support/Open cut Excav works															
0810-1660	Retaining Wall F > Excavation Works for Pile caps	21	29-Sep-15	24-Oct-15	Retaining Wall F > Excavation Works for Pile caps															
0810-1670	Construction of pile cap for Retaining Wall F @ PC8 + low wall bet C4-13/14	21	02-Oct-15	27-Oct-15	Construction of pile cap for Retaining Wall F @ PC8 + low wall bet C4-13/14															

- Remaining Level of Effort
- ◆ ◆ Milestone
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work

Contract HY/2009/19

Three Months Rolling Programme (20 Sept to 19 Dec 2015)

Activity ID	Activity Name	Remaining Duration	Start	Finish	2015															
					September			October			November			December						
					13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	
	0810-1680	Construction of pile cap for Retaining Wall F @ PC9 + low wall bet C5-11/12	21	24-Aug-15 A	05-Nov-15	Construction of pile cap for Retaining Wall F @ PC9 + low wall bet C5-11/12														
	0810-1700	Construction of pile cap for Retaining Wall F @ PC10	14	24-Aug-15 A	06-Nov-15	Construction of pile cap for Retaining Wall F @ PC10														
	0810-1720	Construction of pile cap for Retaining Wall F @ PC11	14	24-Aug-15 A	13-Nov-15	Construction of pile cap for Retaining Wall F @ PC11														
	0810-1740	Construction of pile cap for Retaining Wall F @ PC12	15	06-Nov-15	23-Nov-15	Construction of pile cap for Retaining Wall F @ PC12														
	0810-1760	Construction of pile cap for Retaining Wall F @ PC13	15	16-Nov-15	02-Dec-15	Construction of pile cap for Retaining Wall F @ PC13														
	0810-1780	Backfill of Around Retaining Wall F Pile Caps	7	03-Dec-15	10-Dec-15	Backfill of Around Retaining Wall F Pile Caps														
09 - SECTION 6 OF THE WORKS																				
09.2 - Westbound - Pier 26-27																				
	0920-1080	Pier 27 Prepare C.J. and Modify Tie Beam	14	04-Sep-15 A	08-Oct-15	Pier 27 Prepare C.J. and Modify Tie Beam														
	0920-1100	Pier 27 Construct Pier/Column	18	09-Oct-15	30-Oct-15	Pier 27 Construct Pier/Column														
	0920-1120	Pier 27 Construct Crosshead	24	31-Oct-15	27-Nov-15	Pier 27 Construct Crosshead														
	0920-1140	Pier 27 Install Bearing	9	28-Nov-15	08-Dec-15	Pier 27 Install Bearing														
	0920-1160	Pier 26 Prepare C.J. + Drill in Re-bar + Modify Pilecap	14	04-Sep-15 A	08-Oct-15	Pier 26 Prepare C.J. + Drill in Re-bar + Modify Pilecap														
	0920-1180	Pier 26 Construct Pier/Column	18	09-Oct-15	30-Oct-15	Pier 26 Construct Pier/Column														
	0920-1200	Pier 26 Construct Crosshead	24	31-Oct-15	27-Nov-15	Pier 26 Construct Crosshead														
	0920-1220	Pier 26 Install Bearing	9	28-Nov-15	08-Dec-15	Pier 26 Install Bearing														
10 - SECTION X OF THE WORKS																				
10.4 - Bridge Deck Demolition																				
10.4.1 - Existing W/B Bridge (Part 1)																				
	10410-1680	Demolish W/B Bridge Pier 23 > Column > by Crane C	0	20-Aug-15 A	29-Aug-15 A	Demolish W/B Bridge Pier 23 > Column > by Crane C														
	10410-1700	Saw Cutting W/B Bridge Deck Pier 21-22	0	19-Aug-15 A	25-Aug-15 A	Saw Cutting W/B Bridge Deck Pier 21-22														
	10410-1701	Dem. W/B Bridge Deck Pier 21-22 (1 beam) w/ time constraint start up to 4Pm > by Crane B & C	0	26-Aug-15 A	26-Aug-15 A	Dem. W/B Bridge Deck Pier 21-22 (1 beam) w/ time constraint start up to 4Pm > by Crane B & C														
	10410-1720	Demolish W/B Bridge Deck Pier 21-22 (5 beams) > by Crane B & C	0	27-Aug-15 A	29-Aug-15 A	Demolish W/B Bridge Deck Pier 21-22 (5 beams) > by Crane B & C														
	10410-1740	Demolish W/B Bridge Pier 22 > Column > by Crane C	0	31-Aug-15 A	09-Sep-15 A	Demolish W/B Bridge Pier 22 > Column > by Crane C														
	10410-1741	Saw Cutting W/B Bridge Deck Pier 20-21	0	28-Aug-15 A	31-Aug-15 A	Saw Cutting W/B Bridge Deck Pier 20-21														
	10410-1742	Dem. W/B Bridge Deck Pier 20-21 (1 beam) w/ time constraint start up to 4Pm > by Crane B & C	0	01-Sep-15 A	01-Sep-15 A	Dem. W/B Bridge Deck Pier 20-21 (1 beam) w/ time constraint start up to 4Pm > by Crane B & C														
	10410-1743	Demolish W/B Bridge Deck Pier 20-21 (2 beams) > by Crane B & C	0	02-Sep-15 A	07-Sep-15 A	Demolish W/B Bridge Deck Pier 20-21 (2 beams) > by Crane B & C														
	10410-1743.1	Cutting of W/B Bridge Crosshead Wing at Pier 21 for Modification	2	21-Sep-15	22-Sep-15	Cutting of W/B Bridge Crosshead Wing at Pier 21 for Modification														
	10410-1744	Demolish W/B Bridge Deck Pier 19-20 (2 beams) > Insatall Scaffoldings to Support Beams	0	31-Aug-15 A	07-Sep-15 A	Demolish W/B Bridge Deck Pier 19-20 (2 beams) > Insatall Scaffoldings to Support Beams														
	10410-1745	Saw Cutting W/B Bridge Deck Pier 19-20 @ 2 Beams into 8Pcs(1x4X2)	4	21-Sep-15	24-Sep-15	Saw Cutting W/B Bridge Deck Pier 19-20 @ 2 Beams into 8Pcs(1x4X2)														
	10410-1746	Dem. W/B Bridge Deck Pier 19-20 (1 beam) w/ time constraint start up to 4Pm > by Crane B	2	23-Sep-15	24-Sep-15	Dem. W/B Bridge Deck Pier 19-20 (1 beam) w/ time constraint start up to 4Pm > by Crane B														
	10410-1747	Demolish W/B Bridge Deck Pier 19-20 (1 beam) > by Crane B	1	25-Sep-15	25-Sep-15	Demolish W/B Bridge Deck Pier 19-20 (1 beam) > by Crane B														
	10410-1747.1	Cutting of W/B Bridge Crosshead Wing at Pier 20 for Modification	2	26-Sep-15	29-Sep-15	Cutting of W/B Bridge Crosshead Wing at Pier 20 for Modification														
	10410-1747.5	Demolish W/B Bridge Deck Pier 17-18 (2 beams) > Insatall Scaffoldings to Support Beams	0	07-Sep-15 A	14-Sep-15 A	Demolish W/B Bridge Deck Pier 17-18 (2 beams) > Insatall Scaffoldings to Support Beams														
	10410-1748	Saw Cutting W/B Bridge Deck Pier 17-18 @ 2 Beams into 8Pcs(1x4X2)	4	25-Sep-15	30-Sep-15	Saw Cutting W/B Bridge Deck Pier 17-18 @ 2 Beams into 8Pcs(1x4X2)														
	10410-1749	Dem. W/B Bridge Deck Pier 17-18 (1 beam) > by Crane B	1	30-Sep-15	30-Sep-15	Dem. W/B Bridge Deck Pier 17-18 (1 beam) > by Crane B														
	10410-1750	Demolish W/B Bridge Deck Pier 17-18 (1 beam) > by Crane B	1	02-Oct-15	02-Oct-15	Demolish W/B Bridge Deck Pier 17-18 (1 beam) > by Crane B														
	10410-1751	Demolish W/B Bridge Deck Pier 18-19 (2 beams) > Construct Footing for Shoring of Beams	0	01-Sep-15 A	04-Sep-15 A	Demolish W/B Bridge Deck Pier 18-19 (2 beams) > Construct Footing for Shoring of Beams														
	10410-1752	Demolish W/B Bridge Deck Pier 18-19 (2 beams) > Install Shoring + Fixing to hold Beams	0	07-Sep-15 A	14-Sep-15 A	Demolish W/B Bridge Deck Pier 18-19 (2 beams) > Install Shoring + Fixing to hold Beams														
	10410-1753	Demolish W/B Bridge Deck Pier 18-19 (2 beams) > Saw Cutting of Bridge Deck & Parapet + Coring	10	22-Sep-15	05-Oct-15	Demolish W/B Bridge Deck Pier 18-19 (2 beams) > Saw Cutting of Bridge Deck & Parapet + Coring														
	10410-1754	Dem. W/B Bridge Deck Pier 18-19 (Half Beam-Eastside) w/ time constraint start at 4Pm > by Crane D	2	03-Oct-15	05-Oct-15	Dem. W/B Bridge Deck Pier 18-19 (Half Beam-Eastside) w/ time constraint start at 4Pm > by Crane D														
	10410-1755	Demolish W/B Bridge Deck Pier 18-19 (Half Beam-Eastside) > by Crane D	1	06-Oct-15	06-Oct-15	Demolish W/B Bridge Deck Pier 18-19 (Half Beam-Eastside) > by Crane D														
	10410-1756	Dem. W/B Bridge Deck Pier 18-19 (Half Beam-Westside) w/ time constraint start at 4Pm > by Crane	1	07-Oct-15	07-Oct-15	Dem. W/B Bridge Deck Pier 18-19 (Half Beam-Westside) w/ time constraint start at 4Pm > by Crane														
	10410-1757	Demolish W/B Bridge Deck Pier 18-19 (Half Beam-Westside) > by Crane D	1	08-Oct-15	08-Oct-15	Demolish W/B Bridge Deck Pier 18-19 (Half Beam-Westside) > by Crane D														
	10410-1760	Cutting of W/B Bridge Crosshead Wing at Pier 19 for Modification > by Crane D	2	07-Oct-15	08-Oct-15	Cutting of W/B Bridge Crosshead Wing at Pier 19 for Modification > by Crane D														
	10410-1761	Cutting of W/B Bridge Crosshead Wing at Pier 18 for Modification > by Crane D	2	09-Oct-15	10-Oct-15	Cutting of W/B Bridge Crosshead Wing at Pier 18 for Modification > by Crane D														
	10410-1762	Removal of Shoring	2	09-Oct-15	10-Oct-15	Removal of Shoring														
	10410-1763	Removal of Temporary Footing	5	12-Oct-15	16-Oct-15	Removal of Temporary Footing														
	10410-2280	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 41	0	20-Aug-15 A	26-Aug-15 A	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 41														
	10410-2300	Demolish Temp. W/B Bridge - Deck > Pier 39 to 40 (6 beams)	0	27-Aug-15 A	29-Aug-15 A	Demolish Temp. W/B Bridge - Deck > Pier 39 to 40 (6 beams)														
	10410-2320	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 40	0	31-Aug-15 A	07-Sep-15 A	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 40														
	10410-2340	Demolish Temp. W/B Bridge - Deck > Pier 38 to 39 (6 beams)	0	07-Sep-15 A	10-Sep-15 A	Demolish Temp. W/B Bridge - Deck > Pier 38 to 39 (6 beams)														
	10410-2360	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 39	0	11-Sep-15 A	15-Sep-15 A	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 39														
	10410-2380	Demolish Temp. W/B Bridge - Deck > Pier 37 to 38 (6 beams)	0	16-Sep-15 A	19-Sep-15 A	Demolish Temp. W/B Bridge - Deck > Pier 37 to 38 (6 beams)														
	10410-2400	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 38	6	21-Sep-15	26-Sep-15	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 38														
	10410-2420	Demolish Temp. W/B Bridge - Deck > Pier 36 to 37 (6 beams)	3	29-Sep-15	02-Oct-15	Demolish Temp. W/B Bridge - Deck > Pier 36 to 37 (6 beams)														
	10410-2440	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 37	6	03-Oct-15	09-Oct-15	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 37														
	10410-2460	Demolish Temp. W/B Bridge - Deck > Pier 35 to 36 (6 beams)	3	10-Oct-15	13-Oct-15	Demolish Temp. W/B Bridge - Deck > Pier 35 to 36 (6 beams)														
	10410-2480	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 36	6	14-Oct-15	20-Oct-15	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 36														
	10410-2500	Demolish Temp. W/B Bridge - Deck > Pier 34 to 35 (6 beams)	3	22-Oct-15	24-Oct-15	Demolish Temp. W/B Bridge - Deck > Pier 34 to 35 (6 beams)														

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

Contract HY/2009/19

Three Months Rolling Programme (20 Sept to 19 Dec 2015)

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Activity ID	Activity Name	Remaining Duration	Start	Finish	2015															
					September			October				November				December				
					13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	
10410-2520	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 35 (by crane)	6	28-Oct-15	03-Nov-15																
10410-2540	Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 34 (by crane)	6	28-Oct-15	03-Nov-15																
10.1 - E/B Bridges (Bridge D, E and F)																				
10.1.1 - Marine Pier Construction																				
Pier F01 to F02																				
1011-8600	F1B Pier/Column Construction	12	07-Oct-15	20-Oct-15																
1011-8620	F1B Crosshead Construction	18	22-Oct-15	11-Nov-15																
1011-8640	Bearing installation pier F1B & F2B	12	12-Nov-15	25-Nov-15																
10.1.4 - Bridge E / Hing Fat Slip Road																				
Bridge Construction																				
1014-1860	Construction (Pier E4 - Pier E2) > Construct Pier E3	0	24-Aug-15 A	07-Sep-15 A																
1014-1880	Construction (Pier E4 - Pier E2) > Construct Crosshead + Bearing at Pier E3	7	08-Sep-15 A	29-Sep-15																
1014-1900	Construction (Pier E4 - Pier E2) > Modification of Crosshead + Bearing at Pier E4 & E2	3	24-Aug-15 A	23-Sep-15																
1014-1920	Construction (Pier E4 - Pier E2) > Erect 3nos Beams > Pier E3-E2	4	30-Sep-15	05-Oct-15																
1014-1940	Construction (Pier E4 - Pier E2) > Erect 3nos Beams > Pier E4-E3	4	03-Oct-15	07-Oct-15																
1014-1960	Construction (Pier E4 - Pier E2) > Erect Scaffoldings + Platform + Pre-cast Planking > Pier E4-E2	7	08-Oct-15	15-Oct-15																
1014-1980	Construction (Pier E4 - Pier E2) > Rebar Fixing of Deck + Diaphragm + Concreting > Pier E4-E2	14	16-Oct-15	02-Nov-15																
1014-2000	Construction (Pier E4 - Pier E2) > Construct Parapet D1-E2	14	16-Oct-15	02-Nov-15																
1014-2020	Construction (Pier E4 - Pier E2) > Construct Parapet E2-E4	14	03-Nov-15	18-Nov-15																
1014-2040	Construction (Pier E4 - Pier E2) > Install Street Furniture/GullyEtc.	14	03-Nov-15	18-Nov-15																
1014-2060	Construction (Pier E4 - Pier E2) > Install MJ at Pier E2	7	09-Nov-15	16-Nov-15																
1014-2080	Construction (Pier E4 - Pier E2) > Install MJ at Pier E3 & E4	8	12-Nov-15	20-Nov-15																
1014-2100	Construction (Pier E4 - Pier E2) > Aspahlt + Road Markings, Install Street Furniture/Signage/Lightings	4	21-Nov-15	25-Nov-15																
1014-2940	Bridge E (Pier 19 - D1) - Noise Barrier > Post + Panel	14	03-Nov-15	18-Nov-15																
1014-2960	Bridge E (Pier 19 - D1) - Green Panel Installation	2	19-Nov-15	21-Nov-15																
10.2 - W/B Bridges (Bridge C and F)																				
10.2.1 - Pier Construction																				
Pier 38 to 43																				
1021-1820	Pier 38 (F3C) Prepare C.J. at Existing Pile Cap	11	29-Sep-15	12-Oct-15																
1021-1840	Pier 38 (F3C) Construct Pier/Column	18	14-Oct-15	04-Nov-15																
1021-1860	Pier 38 (F3C) Construct Crosshead	24	05-Nov-15	02-Dec-15																
1021-1880	Pier 38 (F3C) Install Bearing	9	03-Dec-15	12-Dec-15																
1021-1900	Pier 39 (F4C) Prepare C.J. at Existing Pile Cap	11	21-Sep-15	05-Oct-15																
1021-1920	Pier 39 (F4C) Construct Pier/Column	18	07-Oct-15	28-Oct-15																
1021-1940	Pier 39 (F4C) Construct Crosshead	24	29-Oct-15	25-Nov-15																
1021-1960	Pier 39 (F4C) Install Bearing	9	26-Nov-15	05-Dec-15																
1021-1980	Pier 40 (F5C) Prepare C.J. at Existing Pile Cap	11	21-Sep-15	05-Oct-15																
1021-2000	Pier 40 (F5C) Construct Pier/Column	18	06-Oct-15	27-Oct-15																
1021-2020	Pier 40 (F5C) Construct Crosshead	24	28-Oct-15	24-Nov-15																
1021-2040	Pier 40 (F5C) Install Bearing	9	25-Nov-15	04-Dec-15																
1021-2060	Pier 41 (F6C) Prepare C.J. at Existing Pile Cap	0	28-Aug-15 A	19-Sep-15 A																
1021-2080	Pier 41 (F6C) Construct Pier/Column	18	21-Sep-15	13-Oct-15																
1021-2100	Pier 41 (F6C) Construct Crosshead	24	14-Oct-15	11-Nov-15																
1021-2120	Pier 41 (F6C) Install Bearing	9	12-Nov-15	21-Nov-15																
1021-2140	Pier 42 (F7C) Prepare C.J. at Existing Pile Cap	0	18-Aug-15 A	09-Sep-15 A																
1021-2160	Pier 42 (F7C) Construct Pier/Column	12	09-Sep-15 A	06-Oct-15																
1021-2180	Pier 42 (F7C) Construct Crosshead	24	07-Oct-15	04-Nov-15																
1021-2200	Pier 42 (F7C) Install Bearing	9	05-Nov-15	14-Nov-15																
1021-2220	Pier 43 (F8C) Prepare C.J. at Existing Pile Cap	0	08-Aug-15 A	29-Aug-15 A																
1021-2240	Pier 43 (F8C) Construct Pier/Column	6	30-Aug-15 A	26-Sep-15																
1021-2260	Pier 43 (F8C) Construct Crosshead	24	29-Sep-15	28-Oct-15																
1021-2280	Pier 43 (F8C) Install Bearing	9	29-Oct-15	07-Nov-15																
Pier 36 to 37																				
1021-1580	Pier 36 (F1C) Prepare CJ at Existing Pile Cap	11	22-Oct-15	03-Nov-15																
1021-1600	Pier 36 (F1C) Construct Pier/Column	18	04-Nov-15	24-Nov-15																
1021-1620	Pier 36 (F1C) Construct Crosshead	24	25-Nov-15	22-Dec-15																
1021-1660	Pier 37 (F2C) Prepare CJ at Existing Pile Cap	11	10-Oct-15	23-Oct-15																
1021-1680	Pier 37 (F2C) Construct Pier/Column	18	24-Oct-15	13-Nov-15																
1021-1700	Pier 37 (F2C) Construct Crosshead	24	14-Nov-15	11-Dec-15																
1021-1720	Pier 37 (F2C) Install Bearing	9	12-Dec-15	22-Dec-15																
Abutment D12																				

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

Activity ID	Activity Name	Remaining Duration	Start	Finish	2015															
					September				October			November				December				
					13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	
	1021-1020 Construct Abutment D12 W/B Bridge	30	04-Nov-15	08-Dec-15																
	1021-1040 Bearing installation D12 W/B Bridge	9	09-Dec-15	18-Dec-15																
Pier 28																				
	1021-1740 Pier 28 Excav + Prepare C.J	0	10-Aug-15 A	11-Sep-15 A																
	1021-1760 Pier 28 Construct Pier/Column	5	14-Sep-15 A	25-Sep-15																
	1021-1780 Pier 28 Construct Crosshead	10	26-Sep-15	09-Oct-15																
	1021-1800 Pier 28 Install Bearing	5	10-Oct-15	15-Oct-15																
Pier 20 to 25																				
	1021-1060 Pier 22 Prepare C.J. and Modify Tie Beam	18	21-Sep-15	13-Oct-15																
	1021-1080 Pier 22 Reconstruct Column	18	14-Oct-15	04-Nov-15																
	1021-1100 Pier 22 Reconstruct Crosshead	24	05-Nov-15	02-Dec-15																
	1021-1120 Pier 22 Install Bearing	6	03-Dec-15	10-Dec-15																
	1021-1280 Pier 24 Prepare C.J. and Modify Tie Beam	18	21-Sep-15	13-Oct-15																
	1021-1300 Pier 24 Reconstruct Column	18	14-Oct-15	04-Nov-15																
	1021-1320 Pier 24 Reconstruct Crosshead	24	05-Nov-15	02-Dec-15																
	1021-1340 Pier 24 Install Bearing	9	03-Dec-15	12-Dec-15																
	1021-1360 Pier 25 Prepare C.J. and Modify Tie Beam	18	21-Sep-15	13-Oct-15																
	1021-1380 Pier 25 Reconstruct Column	18	14-Oct-15	04-Nov-15																
	1021-1400 Pier 25 Reconstruct Crosshead	24	05-Nov-15	02-Dec-15																
	1021-1420 Pier 25 Install Bearing	9	03-Dec-15	12-Dec-15																
	1021-1520 Pier 23 Reconstruct Column	18	21-Sep-15	13-Oct-15																
	1021-1540 Pier 23 Reconstruct Crosshead	24	14-Oct-15	11-Nov-15																
	1021-1560 Pier 23 Install Bearing	9	12-Nov-15	21-Nov-15																
Pier 17 to 19																				
	1021-1215 Modify Pier 21 Crosshead (south wing) + Bearing	20	23-Sep-15	17-Oct-15																
	1021-1225 Modify Pier 20 Crosshead (south wing) + Bearing	20	30-Sep-15	24-Oct-15																
	1021-1230 Modify Pier 19 Crosshead (south wing) + Bearing	20	09-Oct-15	02-Nov-15																
	1021-1235 Modify Pier 18 Crosshead (south wing) + Bearing	20	12-Oct-15	04-Nov-15																
10.2.2 - Bridge Construction																				
Bridge C1																				
	1022-1000 Bridge C1 - Precast Beams Pier 17-21 W/B (9 nos)	9	05-Nov-15	14-Nov-15																
	1022-1001 Bridge C1 - Construction (Pier 17 - 21) > Erect Scaffoldings + Platform + Pre-cast Planking	7	09-Nov-15	16-Nov-15																
	1022-1002 Bridge C1 - Construction (Pier 17 - 21) > Rebar Fixing of Deck + Diaphragm + Concreting	20	17-Nov-15	09-Dec-15																
Bridge C2																				
	1022-2750 Bridge C2 - Erect 6nos Pre-cast Beams by Crane D	5	10-Dec-15	16-Dec-15																
	1022-2751 Bridge C2 - Construction (Pier 21 - 22) > Erect Scaffoldings + Platform + Pre-cast Planking	7	16-Dec-15	24-Dec-15																
Bridge C4																				
	1022-1453 Bridge C5 - Erect Pier Segment at Pier 33 (1 no) > By Crane	2	06-Oct-15	07-Oct-15																
	1022-1453.2 Bridge C4 - Erect Pier Segment at Pier 32 (2 nos) > By Crane	3	08-Oct-15	10-Oct-15																
	1022-1453.3 Bridge C4 - Erect Pier Segment at Pier 31 (1 no) > By Crane	2	12-Oct-15	13-Oct-15																
	1022-1453.4 Bridge C4 - Erect Pier Segment at Pier 30 (1 no) > By Crane	2	14-Oct-15	15-Oct-15																
	1022-1453.5 Bridge C4 - Erect Pier Segment at Pier 29 (1 no) > By Crane	2	17-Oct-15	19-Oct-15																
	1022-1453.6 Bridge C4 - Erect Pier Segment at Pier 28 (2 nos) > By Crane	2	20-Oct-15	22-Oct-15																
	1022-1454 Erect Temp. Support on Top of Pier Segment P33 & 32 to much-up level of Ex. Pier 34	7	12-Oct-15	19-Oct-15																
	1022-1455 Move LG1 to Temp. Support at Pier 33-32 from Pier 34-35	2	26-Oct-15	27-Oct-15																
	1022-1455.2 Luanch LG1 to Pier 28 - Pier 30	5	28-Oct-15	02-Nov-15																
	1022-1456.2 Bridge C4 - Erect T-Span Segment at Pier 29 (12 nos) > by LG1	9	03-Nov-15	12-Nov-15																
	1022-1456.3 Bridge C4 - Erect End Span Segment at Pier 28N (4 nos) > By LG1	3	13-Nov-15	16-Nov-15																
	1022-1456.4 Bridge C4 - Erect T-Span Segment at Pier 30 (10 nos) > by LG1	7	17-Nov-15	24-Nov-15																
	1022-1456.5 Luanch LG1 to Pier 31 - Pier 33	1	25-Nov-15	25-Nov-15																
	1022-1457 Bridge C4 - Erect T-Span Segment at Piers 31 (12 nos) > by LG1	9	26-Nov-15	05-Dec-15																
	1022-1458 Bridge C4 - Erect End Span Segment at Piers 32 (4 nos) > by LG1	3	07-Dec-15	09-Dec-15																
	1022-1458.2 Bridge C4 - Stitching between Pier 28 - 29	2	17-Nov-15	18-Nov-15																
	1022-1458.3 Bridge C4 - Stitching between Pier 29 - 30	2	25-Nov-15	26-Nov-15																
	1022-1458.4 Bridge C4 - Stitching between Pier 30 - 31	2	07-Dec-15	08-Dec-15																
	1022-1459 Bridge C4 - Stitching between Pier 31 - 32	2	10-Dec-15	11-Dec-15																
	1022-1460 Bridge C4 - External Stressing	10	12-Dec-15	23-Dec-15																
	1022-3830 Complete Part of Portion VB (from Pier 28 - Pier 32)	0		11-Dec-15*																
Bridge C5																				
	1022-1570 Bridge C5 - Erect T-span at Pier 33 (10 nos) > by LG1	9	10-Dec-15	19-Dec-15																
	1022-1575 Bridge C4 - Erect End Span Segment at Piers 32 (5 nos) > by LG1	5	21-Dec-15	26-Dec-15																

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

Contract HY/2009/19

Three Months Rolling Programme (20 Sept to 19 Dec 2015)

Activity ID	Activity Name	Remaining Duration	Start	Finish	September			October			2015			November			December		
					13	20	27	04	11	18	25	01	08	15	22	29	06	13	20
	1022-1578	Luanch LG1 to Pier 34 - Pier 36	1	28-Dec-15	28-Dec-15														
	1022-1600	Bridge C5 - Stitching between Pier 32 and 33	3	28-Dec-15	30-Dec-15														
10.3 - Middle Bridge (Bridge F)																			
10.3.1 - Pier Construction																			
Abutment D12																			
	1031-1920	Complete ABUT D12 at Middle Bridge	45	09-Nov-15	31-Dec-15														
10.5 - Temporary Bridge																			
10.5.1 - Temporary Bridge 'TA'																			
	1051-3270	Demolition TA2 (Preparation and Mobilization) - TA28-27	7	27-Nov-15	04-Dec-15														
	1051-3280	Demolition TA2 (Removal of Bridge Deck) - TA28-27	6	05-Dec-15	11-Dec-15														
	1051-3290	Demolition TA2 (Removal of Pier 28)	5	12-Dec-15	17-Dec-15														
	1051-3300	Demolition TA2 (Preparation and Mobilization) - TA27-26	7	04-Dec-15	11-Dec-15														
	1051-3310	Demolition TA2 (Removal of Bridge Deck) - TA27-26	6	11-Dec-15	17-Dec-15														
	1051-3320	Demolition TA2 (Removal of Pier 27)	5	18-Dec-15	23-Dec-15														
	1051-3380	Demolition TA2 (Preparation and Mobilization) - TA24-23	7	27-Nov-15	04-Dec-15														
	1051-3390	Demolition TA2 (Removal of Bridge Deck) - TA24-23	6	04-Dec-15	10-Dec-15														
	1051-3400	Demolition TA2 (Preparation and Mobilization) - TA23-21	7	02-Dec-15	09-Dec-15														
	1051-3410	Demolition TA2 (Removal of Bridge Deck) - TA23-21	6	11-Dec-15	17-Dec-15														
	1051-3420	Demolition TA2 (Removal of Pier 22 & 21)	8	18-Dec-15	28-Dec-15														
	1051-3470	Demolition TA2 (Removal of Pier 23)	3	28-Dec-15	30-Dec-15														
	1051-3480	Demolition TA2 (Preparation and Mobilization) - TA24-25	6	07-Dec-15	12-Dec-15														
	1051-3490	Demolition TA2 (Removal of Bridge Deck) - TA24-25	8	14-Dec-15	22-Dec-15														
	1051-3500	Demolition TA2 (Removal of Pier 24)	3	23-Dec-15	26-Dec-15														
	1051-3501	Demolition TA2 (Preparation and Mobilization) - TA25-26	6	14-Dec-15	19-Dec-15														
	1051-3502	Demolition TA2 (Removal of Bridge Deck) - TA25-26	8	21-Dec-15	30-Dec-15														
10.6 - Tunnel Approach Ramp																			
10.6.1 - Approach Ramp (Excluding Portion IIB)																			
Bored Piles																			
	1061-3980	Pre Bored H-Pile > Pile Ramp - BN14 A	10	21-Sep-15*	03-Oct-15														
	1061-4000	Pre Bored H-Pile > Pile Ramp - BN14 B	14	25-Sep-15	13-Oct-15														
	1061-4020	Pre Bored H-Pile > Pile Ramp - BN15 A	14	14-Oct-15*	30-Oct-15														
	1061-4040	Pre Bored H-Pile > Pile Ramp - BN15 B	14	19-Oct-15	04-Nov-15														
	1061-4060	Pre Bored H-Pile > Pile Ramp - BN16 A	14	24-Oct-15	09-Nov-15														
	1061-4080	Pre Bored H-Pile > Pile Ramp - BN16 B	14	29-Oct-15	13-Nov-15														
	1061-4100	Pre Bored H-Pile > Pile Ramp - BM07 A	14	03-Nov-15	18-Nov-15														
	1061-4120	Pre Bored H-Pile > Pile Ramp - BM07 B	14	07-Nov-15	23-Nov-15														
	1061-4140	Pre Bored H-Pile > Pile Ramp - BM08 A	14	12-Nov-15	27-Nov-15														
	1061-4160	Pre Bored H-Pile > Pile Ramp - BM08 B	14	17-Nov-15	02-Dec-15														
	1061-4180	Pre Bored H-Pile > Pile Ramp - BM06 A	14	21-Nov-15	07-Dec-15														
	1061-4200	Pre Bored H-Pile > Pile Ramp - BM06 B	14	26-Nov-15	11-Dec-15														
	1061-4220	Pre Bored H-Pile > Pile Ramp - BM05 A	14	01-Dec-15	16-Dec-15														
	1061-4240	Pre Bored H-Pile > Pile Ramp - BM05 B	14	05-Dec-15	21-Dec-15														
	1061-4260	Pre Bored H-Pile > Pile Ramp - BM04 A	14	10-Dec-15	26-Dec-15														
	1061-4280	Pre Bored H-Pile > Pile Ramp - BM04 B	14	15-Dec-15	31-Dec-15														
ELS																			
	1061-1200	Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D10-D09 Northern Side	14	15-Oct-15*	31-Oct-15														
	1061-1220	Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D09-D08 Northern Side	14	02-Nov-15	17-Nov-15														
	1061-1240	Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D08-D07 Northern Side	14	18-Nov-15	03-Dec-15														
	1061-1260	Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D07 Cross Sectional Side	14	04-Dec-15	19-Dec-15														
	1061-1320	Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D10-D09 Cross Sectional Side	14	15-Oct-15	31-Oct-15														
	1061-1340	Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D10-D09 Southern Side	14	02-Nov-15	17-Nov-15														
	1061-1360	Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D09-D08 Southern Side	14	18-Nov-15	03-Dec-15														
	1061-1380	Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D08-D07 Southern Side	14	04-Dec-15	19-Dec-15														
	1061-1390	Install H-Pile King Post	14	15-Oct-15	31-Oct-15														
	1061-1400	Install & Operate Dewatering System (excl IIB) - Appr. Ramp > Pier D07-D08	7	02-Nov-15	09-Nov-15														
	1061-1420	Install & Operate Dewatering System (excl IIB) - Appr. Ramp > Pier D08-D09	7	10-Nov-15	17-Nov-15														
	1061-1440	Install & Operate Dewatering System (excl IIB) - Appr. Ramp > Pier D09-D10	7	18-Nov-15	25-Nov-15														
10.7 - Section X - Miscellaneous Works																			
10.7.1 - TTM Stages																			
	1071-1240	TTM Stage 5 - TMLG Consultation and Endorsement	67	29-Jun-15 A	25-Nov-15														
	1071-1260	TTM Stage 5 - TTM Enabling Works	1	26-Nov-15	26-Nov-15														

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

Contract HY/2009/19

Three Months Rolling Programme (20 Sept to 19 Dec 2015)

Activity ID	Activity Name	Remaining Duration	Start	Finish	2015															
					September			October				November				December				
					13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	
1071-1280	TTM Stage 5 - Hing Fat Slip Road Divert 1 Lane through 'Bridge From Pier E4 to Pier E2' to Release	0		26-Nov-15	◆ TTM Stage 5 - Hing Fat Slip Road Divert 1 Lane through															
11 - SECTION 11 OF THE WORKS																				
11.2 - Roadworks																				
1110-2601	Watermains at Portion XIIA - Stage 1 (parking Meters)	0	10-Aug-15 A	25-Aug-15 A	(parking Meters)															
1110-2700	Watermains at Portion XIIA - Stage 2 (parking Meters)	0	25-Aug-15 A	08-Sep-15 A	ains at Portion XIIA - Stage 2 (parking Meters)															
1110-2710	Watermains at Portion XIIA - Stage 3 (parking Meters)	3	09-Sep-15 A	23-Sep-15	Watermains at Portion XIIA - Stage 3 (parking Meters)															
1110-2720	Watermains at Portion XIIA - Stage 4 (parking Meters)	10	24-Sep-15	07-Oct-15	Watermains at Portion XIIA - Stage 4 (parking Meters)															
1110-2730	Watermains at Portion XIIA - Stage 5 (parking Meters)	12	08-Oct-15	22-Oct-15	Watermains at Portion XIIA - Stage 5 (parking Meters)															
1110-2740	Watermains at Portion XIIA - Stage 6 (King Ming Rd. junction)	8	14-Sep-15 A	30-Sep-15	Watermains at Portion XIIA - Stage 6 (King Ming Rd. junction)															
1110-2750	Watermains at Portion XIIA - Stage 7 (King Ming Rd. junction & connection pt.)	12	02-Oct-15	15-Oct-15	Watermains at Portion XIIA - Stage 7 (King Ming Rd. junction & connection pt.)															
1110-2760	Watermains at Portion XIIA - Stage 8 (Run-in/out to carpark at Victoria Ctr.)	13	07-Oct-15	22-Oct-15	Watermains at Portion XIIA - Stage 8 (Run-in/out to carpark at Victoria Ctr.)															
1110-2770	Watermains at Portion XIIA - Stage 9 (Run-in/out to carpark at Victoria Ctr.)	13	23-Oct-15	06-Nov-15	Watermains at Portion XIIA - Stage 9 (Run-in/out to carpark at Victoria Ctr.)															
1110-2780	Watermains at Portion XIIA - Stage 10 (motor cycle parking)	13	23-Oct-15	06-Nov-15	Watermains at Portion XIIA - Stage 10 (motor cycle parking)															
1110-2790	Watermains at Portion XIIA - Stage 11 (motor cycle parking)	12	07-Nov-15	20-Nov-15	Watermains at Portion XIIA - Stage 11 (motor cycle parking)															
1110-2800	Watermains at Portion XIIA - Testing & commissioning of Watermains	4	21-Nov-15	25-Nov-15	Watermains at Portion XIIA - Testing & commissioning of Watermains															
1110-2810	Watermains at Portion XIIA - Reinstatement of Pavement at connection Pt.	4	26-Nov-15	30-Nov-15	Watermains at Portion XIIA - Reinstatement of Pavement at connection Pt.															

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Three Months Rolling Programme (20 Sept to 19 Dec 2015)

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Activity ID		Activity Name		emainir uration	Early Start	Early Finish	Late Start	Late Finish	Total Float	2015				2016												
										20		27	03		10	17	24	31	07		14	21	28	06	13	20
3MRP - Dec 2015 to Mar 2016																										
02 - PRE-CONSTRUCTION WORKS																										
02.3 - Method Statement / Shop Drawings																										
0230-1380	MS Landscape Deck Structure - Submission	21	20-Dec-15	09-Jan-16	09-Nov-16	30-Nov-16	326	MS Landscape Deck Structure - Submission																		
0230-1390	MS Landscape Deck Structure - ER Review & Comment	28	10-Jan-16	06-Feb-16	30-Nov-16	28-Dec-16	326	MS Landscape Deck Structure - ER Review & Comment																		
0230-1400	MS Landscape Deck Structure - Resubmission	28	07-Feb-16	05-Mar-16	28-Dec-16	25-Jan-17	326	MS Landscape Deck Structure - Resubmission																		
0230-1410	MS Landscape Deck Structure - ER Approval	28	06-Mar-16	02-Apr-16	25-Jan-17	22-Feb-17	326	MS Landscape Deck Structure - ER Approval																		
0230-1611	MS Noise Semi Enclosure - Submission	1	20-Dec-15	20-Dec-15	31-Mar-16	31-Mar-16	102	MS Noise Semi Enclosure - Submission																		
0230-1612	MS Noise Semi Enclosure - ER Review / Comment	28	20-Dec-15	17-Jan-16	01-Apr-16	28-Apr-16	102	MS Noise Semi Enclosure - ER Review / Comment																		
0230-1613	MS Noise Semi Enclosure - Resubmission	28	17-Jan-16	14-Feb-16	29-Apr-16	26-May-16	102	MS Noise Semi Enclosure - Resubmission																		
0230-1614	MS Noise Semi Enclosure - No Adverse Comment	28	14-Feb-16	13-Mar-16	27-May-16	23-Jun-16	102	MS Noise Semi Enclosure - No Adverse Comment																		
0230-1690	MS Approach Ramp - ER Approval	13	20-Dec-15	01-Jan-16	05-Feb-16	17-Feb-16	47	MS Approach Ramp - ER Approval																		
0230-2330	MS for Connection of EVB and EVA - Submission	2	20-Dec-15	21-Dec-15	28-Nov-15	29-Nov-15	-22	MS for Connection of EVB and EVA - Submission																		
0230-2340	MS for Connection of EVB and EVA - ER Review & Comment	7	22-Dec-15	28-Dec-15	30-Nov-15	06-Dec-15	-22	MS for Connection of EVB and EVA - ER Review & Comment																		
0230-2350	MS for Connection of EVB and EVA - Resubmission	3	29-Dec-15	31-Dec-15	07-Dec-15	09-Dec-15	-22	MS for Connection of EVB and EVA - Resubmission																		
0230-2360	MS for Connection of EVB and EVA - ER No Adverse Comment	6	01-Jan-16	06-Jan-16	09-Dec-15	15-Dec-15	-22	MS for Connection of EVB and EVA - ER No Adverse Comment																		
0240-2370	MS for erection of Beams at Pier 17-21 - Submission	22	20-Dec-15	11-Jan-16	06-Jan-16	28-Jan-16	18	MS for erection of Beams at Pier 17-21 - Submission																		
0240-2380	MS for erection of Beams at Pier 17-21 - ER Review / Comment	28	11-Jan-16	08-Feb-16	29-Jan-16	25-Feb-16	18	MS for erection of Beams at Pier 17-21 - ER Review / Comment																		
0240-2390	MS for erection of Beams at Pier 17-21 - Resubmission	28	08-Feb-16	07-Mar-16	26-Feb-16	24-Mar-16	18	MS for erection of Beams at Pier 17-21 - Resubmission																		
0240-2420	MS for erection of Segment at W/B Bridge by LG - Resubmission	0	20-Dec-15	20-Dec-15	03-Dec-15	03-Dec-15		MS for erection of Segment at W/B Bridge by LG - Resubmission																		
0240-2430	MS for erection of Segment at W/B Bridge by LG - No Adverse Comment	0	20-Dec-15	20-Dec-15	03-Dec-15	03-Dec-15		MS for erection of Segment at W/B Bridge by LG - No Adverse Comment																		
0240-2440	MS for trial erection of green roof - Submission	8	20-Dec-15	27-Dec-15	15-Mar-16	22-Mar-16	87	MS for trial erection of green roof - Submission																		
0240-2450	MS for for trial erection of green roof - ER Review / Comment	15	27-Dec-15	11-Jan-16	23-Mar-16	06-Apr-16	87	MS for for trial erection of green roof - ER Review / Comment																		
0240-2460	MS for for trial erection of green roof - Resubmission	15	11-Jan-16	26-Jan-16	07-Apr-16	21-Apr-16	87	MS for for trial erection of green roof - Resubmission																		
0240-2470	MS for for trial erection of green roof - No Adverse Comment	15	26-Jan-16	10-Feb-16	22-Apr-16	06-May-16	87	MS for for trial erection of green roof - No Adverse Comment																		
0240-2472	MS for Erection of LG-B at Pier 29 & 30 - Submission	8	20-Dec-15	27-Dec-15	18-Jan-16	25-Jan-16	30	MS for Erection of LG-B at Pier 29 & 30 - Submission																		
0240-2477	MS for Erection of LG-B at Pier 29 & 30 - ER Review / Comment	15	27-Dec-15	11-Jan-16	26-Jan-16	09-Feb-16	30	MS for Erection of LG-B at Pier 29 & 30 - ER Review / Comment																		
0240-2482	MS for Erection of LG-B at Pier 29 & 30 - Resubmission	15	11-Jan-16	26-Jan-16	10-Feb-16	24-Feb-16	30	MS for Erection of LG-B at Pier 29 & 30 - Resubmission																		
0240-2487	MS for Erection of LG-B at Pier 29 & 30 - No Adverse Comment	15	26-Jan-16	10-Feb-16	25-Feb-16	10-Mar-16	30	MS for Erection of LG-B at Pier 29 & 30 - No Adverse Comment																		
02.4 - Contractor's Design and Build Items																										
0240-1180	HGHK Permanent Carpark Design - ER/HGHK Review and Comment	5	20-Dec-15	24-Dec-15	20-Dec-15	24-Dec-15	0	HGHK Permanent Carpark Design - ER/HGHK Review and Comment																		
0240-1190	HGHK Permanent Carpark Design - Resubmission	39	25-Dec-15	01-Feb-16	25-Dec-15	01-Feb-16	0	HGHK Permanent Carpark Design - Resubmission																		
0240-1200	HGHK Permanent Carpark Design - ER/HGHK Approval	60	02-Feb-16	01-Apr-16	02-Feb-16	01-Apr-16	0	HGHK Permanent Carpark Design - ER/HGHK Approval																		
0240-1270	Landscaping Design - Submission	28	20-Dec-15	16-Jan-16	12-Oct-17	08-Nov-17	662	Landscaping Design - Submission																		
0240-1280	Landscaping Design - ER Review/Resubmission	28	17-Jan-16	13-Feb-16	09-Nov-17	06-Dec-17	662	Landscaping Design - ER Review/Resubmission																		
0240-1290	Landscaping Design - ER Approval	28	14-Feb-16	12-Mar-16	07-Dec-17	03-Jan-18	662	Landscaping Design - ER Approval																		
0240-1630	Green Wall Minimum 2 years Establishment	449	21-Dec-15	19-Jun-17	03-Jan-17	05-Jul-18	313	Green Wall Minimum 2 years Establishment																		
02.5 - Bridge Segment/Beam Off-site Precasting																										
0250-3860	Bridge F1B2 - Abut D12 Segment - 6 nos. (S2)	19	21-Dec-15	13-Jan-16	07-Nov-16	28-Nov-16	263	Bridge F1B2 - Abut D12 Segment - 6 nos. (S2)																		
0250-3880	Bridge F1B2 - Pier F1B2 Segment - 13 nos. (S1)	40	21-Dec-15	06-Feb-16	24-Dec-16	10-Feb-17	304	Bridge F1B2 - Pier F1B2 Segment - 13 nos. (S1)																		
0250-3900	Bridge F1B2 - Pier F2B2 Segment - 11 nos. (S1)	28	18-Feb-16	21-Mar-16	18-Feb-17	22-Mar-17	304	Bridge F1B2 - Pier F2B2 Segment - 11 nos. (S1)																		
0250-3920	Bridge F1B2 - Pier F3B2 Segment - 6 nos. (S2)	19	21-Jan-16	15-Feb-16	06-Dec-16	27-Dec-16	263	Bridge F1B2 - Pier F3B2 Segment - 6 nos. (S2)																		
0250-3940	Bridge F2B - Pier F3B2 Segment - 5 nos. (S2)	16	23-Feb-16	11-Mar-16	04-Jan-17	21-Jan-17	263	Bridge F2B - Pier F3B2 Segment - 5 nos. (S2)																		
02.6 - Fabrication & Delivery of Noise Enclosure																										
0260-5000	Int. Noise Enclosure Main + Sub Frames Fab / Del	68	21-Dec-15	14-Mar-16	05-Apr-16	23-Jun-16	84	Int. Noise Enclosure Main + Sub Frames Fab / Del																		
0260-5010	Int. Noise Enclosure Noise Panel Fab / Del	10	21-Dec-15	02-Jan-16	13-Jun-16	23-Jun-16	141	Int. Noise Enclosure Noise Panel Fab / Del																		
05 - SECTION 2 & 2A OF THE WORKS																										
05.1 - Cut & Cover Tunnel Ch 4855-4932 (APS Footprint)																										
05.1.3 - APS & Tunnel Structure																										

Remaining Level of Effort

 ◆ ◆ Milestone

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Contract HY/2009/19

Three Months Rolling Programme (20 Dec 2015 to 19 Mar 2016)

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Activity ID	Activity Name	emainir Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	2015							2016										
															January				February			March			
								20	27	03	10	17	24	31	07	14	21	28	06	13	20				
	0513-3060	APS Basement (Bay 21-South) - Staircase Landing 8 > Staircase Landing 12	20	21-Dec-15	14-Jan-16	21-Dec-15	14-Jan-16	0	APS Basement (Bay 21-South) - Staircase Landing 8 > Staircase Landing 12																
	0513-3080	Tunnel Level - South Side Additional Beam at Bay 21	5	09-Jan-16	14-Jan-16	09-Jan-16	14-Jan-16	0	Tunnel Level - South Side Additional Beam at Bay 21																
	0513-3082	Remedial Works - Panel installation	3	15-Jan-16	18-Jan-16	15-Jan-16	18-Jan-16	0	Remedial Works - Panel installation																
	0513-3580	Completion of Outstanding Works atAPS & Tunnel	0		18-Jan-16		18-Jan-16	0	◆ Completion of Outstanding Works atAPS & Tunnel																
05.1.5 - EVB Sub-structure & Tunnel																									
	0515-1120	EVB Basement - Col/Partition Wall (Reb. Fix) > Zone 1A : GL1-2/A-E, 2-3/B-E, 3-	0	20-Dec-15	20-Dec-15	31-Dec-15	31-Dec-15		/B Basement - Col/Partition Wall (Reb. Fix) > Zone 1A : GL1-2/A-E, 2-3/B-E, 3-6/C-F, 4-6/F-J																
	0515-1140	EVB Basement - Col/Partition Wall (Fwk) > Zone 1A to Mezz (-1.40) Soffit	0	20-Dec-15	20-Dec-15	31-Dec-15	31-Dec-15		/B Basement - Col/Partition Wall (Fwk) > Zone 1A to Mezz (-1.40) Soffit																
	0515-1160	EVB Basement - Col/Partition Wall (Conc) > Zone 1A to Mezz (-1.40) Soffit	0	20-Dec-15	20-Dec-15	12-Nov-19	12-Nov-19		/B Basement - Col/Partition Wall (Conc) > Zone 1A to Mezz (-1.40) Soffit																
	0515-1180	EVB Basement - Mezz Slab & Beam (Lv -1.4) - (Falsework/Fwk) > Zone 1A	0	20-Dec-15	20-Dec-15	12-Nov-19	12-Nov-19		/B Basement - Mezz Slab & Beam (Lv -1.4) - (Falsework/Fwk) > Zone 1A																
	0515-1200	EVB Basement - Mezz Slab & Beam (Lv -1.4) - (Reb. Fix) > Zone 1A	0	20-Dec-15	20-Dec-15	12-Nov-19	12-Nov-19		Basement - Mezz Slab & Beam (Lv -1.4) - (Reb. Fix) > Zone 1A																
	0515-1220	EVB Basement - Mezz Slab & Beam (Lv -1.4) - (Conc) > Zone 1A	0	20-Dec-15	20-Dec-15	12-Nov-19	12-Nov-19		B Basement - Mezz Slab & Beam (Lv -1.4) - (Conc) > Zone 1A																
	0515-1300	EVB Basement - Mezz Slab & Beam (Lv +2.65) - (Falsework/Fwk) > Zone 2A	0	20-Dec-15	20-Dec-15	12-Nov-19	12-Nov-19		B Basement - Mezz Slab & Beam (Lv +2.65) - (Falsework/Fwk) > Zone 2A																
	0515-1320	EVB Basement - Mezz Slab & Beam (Lv +2.65) - (Reb. Fix) > Zone 2A	0	20-Dec-15	20-Dec-15	12-Nov-19	12-Nov-19		B Basement - Mezz Slab & Beam (Lv +2.65) - (Reb. Fix) > Zone 2A																
	0515-1340	EVB Basement - Mezz Slab & Beam (Lv +2.65) - (Conc) > Zone 2A	0	20-Dec-15	20-Dec-15	12-Nov-19	12-Nov-19		B Basement - Mezz Slab & Beam (Lv +2.65) - (Conc) > Zone 2A																
	0515-1720	EVB Basement - Roof Slab (Falsework/Fwk) > Zone 2B : GL1-6/A-E	0	20-Dec-15	20-Dec-15	31-Dec-15	31-Dec-15		/B Basement - Roof Slab (Falsework/Fwk) > Zone 2B : GL1-6/A-E																
	0515-1740	EVB Basement - Roof Slab (Reb Fix) > Zone 2B : GL1-6/A-E	0	20-Dec-15	20-Dec-15	31-Dec-15	31-Dec-15		/B Basement - Roof Slab (Reb Fix) > Zone 2B : GL1-6/A-E																
	0515-1760	EVB Basement - Roof Slab (Conc) > Zone 2B : GL1-6/A-E	0	20-Dec-15	20-Dec-15	31-Dec-15	31-Dec-15		EVB Basement - Roof Slab (Conc) > Zone 2B : GL1-6/A-E																
	1051-3221	Demoloition Preparation for D-Wall - South - (Zone 4A-5A)	0	20-Dec-15	20-Dec-15	22-Dec-15	22-Dec-15		for D-Wall - South - (Zone 4A-5A)																
	1051-3222	Demolition of D-Wall > South - (Zone 4A-5A)	0	20-Dec-15	20-Dec-15	22-Dec-15	22-Dec-15		of D-Wall > South - (Zone 4A-5A)																
	1051-3223	CJ Preparation for South Wall along D-Wall - (Zone 4A-5A)	10	21-Dec-15	02-Jan-16	22-Dec-15	04-Jan-16	1	CJ Preparation for South Wall along D-Wall - (Zone 4A-5A)																
	1051-3224	Construction of South Wall along D-Wall + Stitiching to Roof Slab - (Zone 4A-5A)	7	04-Jan-16	11-Jan-16	05-Jan-16	12-Jan-16	1	Construction of South Wall along D-Wall + Stitiching to Roof Slab - (Zone 4A-5A)																
	1051-3226	Demolition of D-Wall > South - (Zone 3A)	0	20-Dec-15	20-Dec-15	05-Jan-16	05-Jan-16		th - (Zone 3A)																
	1051-3227	CJ Preparation for South Wall along D-Wall - (Zone 3A)	0	21-Dec-15	21-Dec-15	12-Jan-16	12-Jan-16	18	I CJ Preparation for South Wall along D-Wall - (Zone 3A)																
	1051-3228	Construction of South Wall along D-Wall + Stitiching to Roof Slab - (Zone 3A)	7	21-Dec-15	29-Dec-15	13-Jan-16	20-Jan-16	18	Construction of South Wall along D-Wall + Stitiching to Roof Slab - (Zone 3A)																
	1051-3240	Demolition of D-Wall > North - (Zone 2A)	7	04-Jan-16	11-Jan-16	05-Jan-16	12-Jan-16	1	Demolition of D-Wall > North - (Zone 2A)																
	1051-3250	CJ Preparation for North Wall along D-Wall - (Zone 2A)	7	09-Jan-16	16-Jan-16	13-Jan-16	20-Jan-16	3	CJ Preparation for North Wall along D-Wall - (Zone 2A)																
	1051-3260	Construction of North Wall along D-Wall + Stitiching to Roof Slab - (Zone 2A)	7	12-Jan-16	19-Jan-16	13-Jan-16	20-Jan-16	1	Construction of North Wall along D-Wall + Stitiching to Roof Slab - (Zone 2A)																
	1051-3360	CJ Preparation for North Wall along D-Wall - (Zone 5A)	0	20-Dec-15	20-Dec-15	11-Feb-16	11-Feb-16		D-Wall - (Zone 5A)																
	1051-3370	Construction of North Wall along D-Wall + Stitiching to Roof Slab - (Zone 5A)	0	20-Dec-15	20-Dec-15	11-Feb-16	11-Feb-16		all along D-Wall + Stitiching to Roof Slab - (Zone 5A)																
	1051-3430	Complete Demolition of D-Wall after Removal of TA23	3	04-Jan-16	06-Jan-16	11-Jan-16	13-Jan-16	6	Complete Demolition of D-Wall after Removal of TA23																
	1051-3440	Complete Wall & Stair along TA23	6	07-Jan-16	13-Jan-16	14-Jan-16	20-Jan-16	6	Complete Wall & Stair along TA23																
	1051-3441	Excavation at North Side D-Wall - (TA24-25)	0	20-Dec-15	20-Dec-15	11-Feb-16	11-Feb-16		25)																
	1051-3530	Demolition of D-Wall > North - (Zone 3A-4A)	0	20-Dec-15	20-Dec-15	11-Feb-16	11-Feb-16		A)																
	1051-3540	CJ Preparation for North Wall along D-Wall - (Zone 3A-4A)	0	20-Dec-15	20-Dec-15	11-Feb-16	11-Feb-16		all along D-Wall - (Zone 3A-4A)																
	1051-3550	Construction of North Wall along D-Wall + Stitiching to Roof Slab - (Zone3A-4A)	0	20-Dec-15	20-Dec-15	11-Feb-16	11-Feb-16		rth Wall along D-Wall + Stitiching to Roof Slab - (Zone3A-4A)																
	1051-3556	Site preparation and plant mobilization	0	20-Dec-15	20-Dec-15	30-Nov-15	30-Nov-15		obilization																
	1051-3560	Connection to EVA (C19) - Install Pipe Pile (45nos)	9	21-Dec-15	02-Jan-16	30-Nov-15	09-Dec-15	-18	Connection to EVA (C19) - Install Pipe Pile (45nos)																
	1051-3570	Connection to EVA (C19) - Place sand in the pipe pile	1	02-Jan-16	02-Jan-16	10-Dec-15	10-Dec-15	-18	Connection to EVA (C19) - Place sand in the pipe pile																
	1051-3580	Connection to EVA (C19) - Extract the pipe pile	3	04-Jan-16	06-Jan-16	11-Dec-15	14-Dec-15	-18	Connection to EVA (C19) - Extract the pipe pile																
	1051-3590	Connection to EVA (C19) - Install sheet pile in pipe pile	2	07-Jan-16	08-Jan-16	15-Dec-15	16-Dec-15	-18	Connection to EVA (C19) - Install sheet pile in pipe pile																
	1051-3600	Connection to EVA (C19) - Install grout tube	6	09-Jan-16	15-Jan-16	17-Dec-15	23-Dec-15	-18	Connection to EVA (C19) - Install grout tube																
	1051-3603	Connection to EVA (C19) - Grouting	3	16-Jan-16	19-Jan-16	24-Dec-15	28-Dec-15	-18	Connection to EVA (C19) - Grouting																
	1051-3605	Connection to EVA (C19) - Excavate the rock fill	3	04-Jan-16	06-Jan-16	18-Dec-15	21-Dec-15	-12	Connection to EVA (C19) - Excavate the rock fill																
	1051-3606	Connection to EVA (C19) - Place mass concrete block	5	07-Jan-16	12-Jan-16	22-Dec-15	28-Dec-15	-12	Connection to EVA (C19) - Place mass concrete block																
	1051-3611	Connection to EVA (C19) - Erection of working platform	1	20-Jan-16	20-Jan-16	29-Dec-15	29-Dec-15	-18	Connection to EVA (C19) - Erection of working platform																
	1051-3621	Connection to EVA (C19) - Drill dewatering hole at area A and B	1	21-Jan-16	21-Jan-16	30-Dec-15	30-Dec-15	-18	Connection to EVA (C19) - Drill dewatering hole at area A and B																
	1051-3631	Connection to EVA (C19) - Drill 3 holes at top of each area and investigate	1	21-Jan-16	21-Jan-16	30-Dec-15	30-Dec-15	-18	Connection to EVA (C19) - Drill 3 holes at top of each area and investigate																

Remaining Level of Effort

◆ ◆ Milestone

 Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

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Three Months Rolling Programme (20 Dec 2015 to 19 Mar 2016)

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Activity ID	Activity Name	emainir uration	Early Start	Early Finish	Late Start	Late Finish	Total Float	2015		2016													
								January						February						March			
								20	27	03	10	17	24	31	07	14	21	28	06	13	20		
1051-3641	Connection to EVA (C19) - Drill 3 holes at middle of each area and investigate	1	21-Jan-16	21-Jan-16	30-Dec-15	30-Dec-15	-18	Connection to EVA (C19) - Drill 3 holes at middle of each area and investigate															
1051-3651	Connection to EVA (C19) - Drill 3 holes at bottom of each area and investigate	1	21-Jan-16	21-Jan-16	30-Dec-15	30-Dec-15	-18	Connection to EVA (C19) - Drill 3 holes at bottom of each area and investigate															
1051-3661	Connection to EVA (C19) - Core hole for saw cut	3	22-Jan-16	25-Jan-16	31-Dec-15	04-Jan-16	-18	Connection to EVA (C19) - Core hole for saw cut															
1051-3671	Connection to EVA (C19) - Saw cut the bulkhead wall	5	26-Jan-16	30-Jan-16	05-Jan-16	09-Jan-16	-18	Connection to EVA (C19) - Saw cut the bulkhead wall															
1051-3681	Connection to EVA (C19) - Remove the broken concrete	1	01-Feb-16	01-Feb-16	11-Jan-16	11-Jan-16	-18	Connection to EVA (C19) - Remove the broken concrete															
1051-3691	Connection to EVA (C19) - Re-bar fixing	2	02-Feb-16	03-Feb-16	12-Jan-16	13-Jan-16	-18	Connection to EVA (C19) - Re-bar fixing															
1051-3701	Connection to EVA (C19) - Erection of formwork	2	04-Feb-16	05-Feb-16	14-Jan-16	15-Jan-16	-18	Connection to EVA (C19) - Erection of formwork															
1051-3711	Connection to EVA (C19) - Concreting	1	06-Feb-16	06-Feb-16	16-Jan-16	16-Jan-16	-18	Connection to EVA (C19) - Concreting															
1051-3721	Connection to EVA (C19) - Removal of formwork	1	11-Feb-16	11-Feb-16	18-Jan-16	18-Jan-16	-18	Connection to EVA (C19) - Removal of formwork															
1051-3731	Connection to EVA (C19) - Erection of falsework	2	12-Feb-16	13-Feb-16	19-Jan-16	20-Jan-16	-18	Connection to EVA (C19) - Erection of falsework															
1051-3741	Connection to EVA (C19) - Rebar fixing	2	15-Feb-16	16-Feb-16	21-Jan-16	22-Jan-16	-18	Connection to EVA (C19) - Rebar fixing															
1051-3751	Connection to EVA (C19) - Erection of formwork	2	17-Feb-16	18-Feb-16	23-Jan-16	25-Jan-16	-18	Connection to EVA (C19) - Erection of formwork															
1051-3761	Connection to EVA (C19) - Concreting	1	19-Feb-16	19-Feb-16	26-Jan-16	26-Jan-16	-18	Connection to EVA (C19) - Concreting															
1051-3771	Connection to EVA (C19) - Removal of formwork	1	20-Feb-16	20-Feb-16	27-Jan-16	27-Jan-16	-18	Connection to EVA (C19) - Removal of formwork															
1051-3781	Connection to EVA (C19) - Erection of falsework	2	22-Feb-16	23-Feb-16	28-Jan-16	29-Jan-16	-18	Connection to EVA (C19) - Erection of falsework															
1051-3791	Connection to EVA (C19) - Erection of soffit	2	24-Feb-16	25-Feb-16	30-Jan-16	01-Feb-16	-18	Connection to EVA (C19) - Erection of soffit															
1051-3801	Connection to EVA (C19) - Rebar fixing	2	26-Feb-16	27-Feb-16	02-Feb-16	03-Feb-16	-18	Connection to EVA (C19) - Rebar fixing															
1051-3811	Connection to EVA (C19) - Erection of formwork	2	29-Feb-16	01-Mar-16	04-Feb-16	05-Feb-16	-18	Connection to EVA (C19) - Erection of formwork															
1051-3821	Connection to EVA (C19) - Concreting	1	02-Mar-16	02-Mar-16	06-Feb-16	06-Feb-16	-18	Connection to EVA (C19) - Concreting															
1051-3831	Connection to EVA (C19) - Removal of formwork	1	03-Mar-16	03-Mar-16	11-Feb-16	11-Feb-16	-18	Connection to EVA (C19) - Removal of formwork															
1080-1000	(Prep. Works for TA2 Demolition) - Removal of Railings	0	20-Dec-15	20-Dec-15	29-Dec-15	29-Dec-15		olition) - Removal of Railings															
1080-1010	(Prep. Works for TA2 Demolition) -Saw Cut & Coring TA24-TA25	0	20-Dec-15	20-Dec-15	29-Dec-15	29-Dec-15		emolition) -Saw Cut & Coring TA24-TA25															
1080-1020	(Prep. Works for TA2 Demolition) -Saw Cut & Coring TA25-TA26	0	20-Dec-15	20-Dec-15	29-Dec-15	29-Dec-15		or TA2 Demolition) -Saw Cut & Coring TA25-TA26															
1080-1030	(Prep. Works for TA2 Demolition) -Saw Cut & Coring TA26-TA27	0	20-Dec-15	20-Dec-15	29-Dec-15	29-Dec-15		Works for TA2 Demolition) -Saw Cut & Coring TA26-TA27															
1080-1040	(Prep. Works for TA2 Demolition) -Saw Cut & Coring TA27-TA28	0	20-Dec-15	20-Dec-15	29-Dec-15	29-Dec-15		Demolition) -Saw Cut & Coring TA27-TA28															
1080-1050	(Prep. Works for TA2 Demolition) -Saw Cut & Coring TA23-TA24	0	20-Dec-15	20-Dec-15	29-Dec-15	29-Dec-15		ut & Coring TA23-TA24															
1080-1060	(Prep. Works for TA2 Demolition) -Saw Cut & Coring TA22-TA23	0	28-Dec-15	28-Dec-15	06-Jan-16	06-Jan-16		A2 Demolition) -Saw Cut & Coring TA22-TA23															
1080-1070	(Prep. Works for TA2 Demolition) -Saw Cut & Coring TA21-TA22	0	28-Dec-15	28-Dec-15	29-Jan-16	29-Jan-16		ks for TA2 Demolition) -Saw Cut & Coring TA21-TA22															
1080-1080	Removal of TA2 (Pier 23-25) - Deck Removal - (TA24-TA25)	0	20-Dec-15	20-Dec-15	29-Dec-15	29-Dec-15		emoval of TA2 (Pier 23-25) - Deck Removal - (TA24-TA25)															
1080-1090	Removal of TA2 (Pier 23-25) - Deck Removal - (TA23-TA24)	6	21-Dec-15	28-Dec-15	29-Dec-15	05-Jan-16	6	Removal of TA2 (Pier 23-25) - Deck Removal - (TA23-TA24)															
1080-1100	Removal of TA2 (Pier 23-25) - Tower Removal - (TA24)	1	29-Dec-15	29-Dec-15	12-Nov-19	12-Nov-19	1161	Removal of TA2 (Pier 23-25) - Tower Removal - (TA24)															
1080-1110	Removal of TA2 (Pier 27-28) - Deck Removal - (TA27-TA28)	0	20-Dec-15	20-Dec-15	20-Jan-16	20-Jan-16		A2 (Pier 27-28) - Deck Removal - (TA27-TA28)															
1080-1120	Removal of TA2 (Pier 27-28) - Deck Removal - (TA26-TA27)	0	20-Dec-15	20-Dec-15	20-Jan-16	20-Jan-16		al of TA2 (Pier 27-28) - Deck Removal - (TA26-TA27)															
1080-1130	Removal of TA2 (Pier 27-28) - Tower Removal - (TA27)	0	20-Dec-15	20-Dec-15	20-Jan-16	20-Jan-16		noval of TA2 (Pier 27-28) - Tower Removal - (TA27)															
1080-1140	Removal of TA2 (Pier 27-28) - Tower Removal - (TA28)	0	20-Dec-15	20-Dec-15	11-Feb-16	11-Feb-16		TA2 (Pier 27-28) - Tower Removal - (TA28)															
1080-1150	Removal of TA2 (Pier 25-26) - Deck Removal - (TA25-TA26)	3	21-Dec-15	23-Dec-15	20-Jan-16	22-Jan-16	24	Removal of TA2 (Pier 25-26) - Deck Removal - (TA25-TA26)															
1080-1160	Removal of TA2 (Pier 25-26) -Tower Removal - (TA25)	1	24-Dec-15	24-Dec-15	23-Jan-16	23-Jan-16	24	Removal of TA2 (Pier 25-26) -Tower Removal - (TA25)															
1080-1170	Removal of TA2 (Pier 25-26) -Tower Removal - (TA26)	1	26-Dec-15	26-Dec-15	25-Jan-16	25-Jan-16	24	Removal of TA2 (Pier 25-26) -Tower Removal - (TA26)															
1080-1180	Removal of TA2 (Pier 21-23) - Deck Removal - (TA22-TA23)	3	29-Dec-15	31-Dec-15	06-Jan-16	08-Jan-16	6	Removal of TA2 (Pier 21-23) - Deck Removal - (TA22-TA23)															
1080-1190	Removal of TA2 (Pier 21-23) -Tower Removal - (TA23)	1	02-Jan-16	02-Jan-16	09-Jan-16	09-Jan-16	6	Removal of TA2 (Pier 21-23) -Tower Removal - (TA23)															
1080-1200	Removal of TA2 (Pier 21-23) -Deck Removal - (TA21-TA22)	5	04-Jan-16	08-Jan-16	01-Feb-16	05-Feb-16	24	Removal of TA2 (Pier 21-23) -Deck Removal - (TA21-TA22)															
1080-1210	Removal of TA2 (Pier 21-23) -Tower Removal - (TA21)	1	09-Jan-16	09-Jan-16	06-Feb-16	06-Feb-16	24	Removal of TA2 (Pier 21-23) -Tower Removal - (TA21)															
1080-1220	Removal of TA2 (Pier 21-23) -Tower Removal - (TA22)	1	11-Jan-16	11-Jan-16	11-Feb-16	11-Feb-16	24	Removal of TA2 (Pier 21-23) -Tower Removal - (TA22)															
1080-1230	Reinstatement of Slab @ TA24	12	29-Dec-15	12-Jan-16	26-Jan-16	11-Feb-16	23	Reinstatement of Slab @ TA24															
1080-1240	Reinstatement of Slab @ TA23	12	29-Dec-15	12-Jan-16	07-Jan-16	20-Jan-16	7	Reinstatement of Slab @ TA23															
1080-1250	Reinstatement of Slab @ TA25	12	26-Dec-15	09-Jan-16	26-Jan-16	11-Feb-16	25	Reinstatement of Slab @ TA25															
1080-1260	Reinstatement of Slab @ TA26	12	28-Dec-15	11-Jan-16	26-Jan-16	11-Feb-16	24	Reinstatement of Slab @ TA26															

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

Contract HY/2009/19

Three Months Rolling Programme (20 Dec 2015 to 19 Mar 2016)

Activity ID	Activity Name	emainir Juration	Early Start	Early Finish	Late Start	Late Finish	Total Float	2015		2016													
										January			February			March							
								20	27	03	10	17	24	31	07	14	21	28	06	13	20		
	0630-2195	Grd. Beam - (GL > B-C/2.5-5.5)(West) - Reinforcement Fixing	0	20-Dec-15	20-Dec-15	07-Dec-15	07-Dec-15		(West) - Reinforcement Fixing														
	0630-2200	Grd. Beam - (GL > B-C/2.5-5.5)(West) - Formworks Erection	0	20-Dec-15	20-Dec-15	07-Dec-15	07-Dec-15		5-5.5)(West) - Formworks Erection														
	0630-2210	Grd. Beam - (GL > B-C/2.5-5.5)(West) - Concreting	0	20-Dec-15	20-Dec-15	07-Dec-15	07-Dec-15		2.5-5.5)(West) - Concreting														
	0630-2215	Grd. Beam - (GL > B-C/2.5-5.5)(West) - Formwork Removal	0	20-Dec-15	20-Dec-15	07-Dec-15	07-Dec-15		/2.5-5.5)(West) - Formwork Removal														
	0630-2217	Grd. Beam - (GL > B-C/2.5-5.5)(West) - Remove Existing Sheet Piles & Backfill	0	20-Dec-15	20-Dec-15	11-Dec-15	11-Dec-15		/2.5-5.5)(West) - Remove Existing Sheet Piles & Backfill														
	0630-2219	Grd. Beam - (GL > B-C/2.5-5.5)(East) - Remove Temp Bacfill & Excavate to Foun	0	20-Dec-15	20-Dec-15	07-Dec-15	07-Dec-15		B-C/2.5-5.5)(East) - Remove Temp Bacfill & Excavate to Founding Level														
	0630-2224	Grd. Beam - (GL > B-C/2.5-5.5)(East) - Cut Pile to Level and Blinding Layer Cast	0	20-Dec-15	20-Dec-15	07-Dec-15	07-Dec-15		> B-C/2.5-5.5)(East) - Cut Pile to Level and Blinding Layer Casting														
	0630-2229	Grd. Beam - (GL > B-C/2.5-5.5)(East) - Capping Plate Welding / U Bars	0	20-Dec-15	20-Dec-15	07-Dec-15	07-Dec-15		L > B-C/2.5-5.5)(East) - Capping Plate Welding / U Bars														
	0630-2234	Grd. Beam - (GL > B-C/2.5-5.5)(East) - Reinforcement Fixing	0	20-Dec-15	20-Dec-15	07-Dec-15	07-Dec-15		Beam - (GL > B-C/2.5-5.5)(East) - Reinforcement Fixing														
	0630-2239	Grd. Beam - (GL > B-C/2.5-5.5)(East) - Formworks Erection	0	20-Dec-15	20-Dec-15	07-Dec-15	07-Dec-15		rd. Beam - (GL > B-C/2.5-5.5)(East) - Formworks Erection														
	0630-2244	Grd. Beam - (GL > B-C/2.5-5.5)(East) - Concreting	0	20-Dec-15	20-Dec-15	07-Dec-15	07-Dec-15		Grd. Beam - (GL > B-C/2.5-5.5)(East) - Concreting														
	0630-2249	Grd. Beam - (GL > B-C/2.5-5.5)(East) - Remove Formworks	1	21-Dec-15	21-Dec-15	07-Dec-15	07-Dec-15	-12	Grd. Beam - (GL > B-C/2.5-5.5)(East) - Remove Formworks														
	0630-2250	Grd. Beam - (GL > B-C/2.5-5.5)(East) - Backfilling Works	4	22-Dec-15	26-Dec-15	08-Dec-15	11-Dec-15	-12	Grd. Beam - (GL > B-C/2.5-5.5)(East) - Backfilling Works														
	0630-2268	Grd. Beam - (Along GL 6) - Capping Plate Welding / U Bars	0	20-Dec-15	20-Dec-15	11-Dec-15	11-Dec-15		e Welding / U Bars														
	0630-2273	Grd. Beam - (Along GL 6) - Reinforcement Fixing	0	20-Dec-15	20-Dec-15	11-Dec-15	11-Dec-15		5) - Reinforcement Fixing														
	0630-2278	Grd. Beam - (Along GL 6) - Formworks Erection	0	20-Dec-15	20-Dec-15	11-Dec-15	11-Dec-15		g GL 6) - Formworks Erection														
	0630-2283	Grd. Beam - (Along GL 6) - Concreting	0	20-Dec-15	20-Dec-15	11-Dec-15	11-Dec-15		ng GL 6) - Concreting														
	0630-2288	Grd. Beam - (Along GL 6) - Remove Formworks & Backfill	0	20-Dec-15	20-Dec-15	11-Dec-15	11-Dec-15		(Along GL 6) - Remove Formworks & Backfill														
	0630-2310	Storm Water Drain at Portion VB	0	20-Dec-15	20-Dec-15	04-Jan-16	04-Jan-16		orm Water Drain at Portion VB														
	0630-2315	Install Irrigation Watermain within Portion V	0	20-Dec-15	20-Dec-15	04-Jan-16	04-Jan-16		install Irrigation Watermain within Portion V														
	0630-2330	Underground drainage (Pier 28) - Forwork Erection (for Manhole)	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		x Erection (for Manhole)														
	0630-2332	Underground drainage (Pier 28) - Concreting (for Manhole)	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		eting (for Manhole)														
	0630-2334	Underground drainage (Pier 28) - Formwork Removal	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		hwork Removal														
	0630-2336	Underground drainage (Pier 28) - Blinding Layer Casting (for Catchpit)	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		nding Layer Casting (for Catchpit)														
	0630-2338	Underground drainage (Pier 28) - Forwork Erection (for Catchpit)	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		orwork Erection (for Catchpit)														
	0630-2340	Underground drainage (Pier 28) - Concreting (for Catchpit)	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		) - Concreting (for Catchpit)														
	0630-2342	Underground drainage (Pier 28) - Formwork Removal	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		8) - Formwork Removal														
	0630-2344	Underground drainage (Pier 28) - Excavation	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		28) - Excavation														
	0630-2346	Underground drainage (Pier 28) - Bedding	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		Pier 28) - Bedding														
	0630-2348	Underground drainage (Pier 28) - Connection of Concrete Pipe	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		d drainage (Pier 28) - Connection of Concrete Pipe														
	0630-2350	Underground drainage (Pier 28) - Backfill	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		erground drainage (Pier 28) - Backfill														
	0630-2353	Underground drainage (Pier 29) - Blinding Layer Casting (for Manhole)	0	20-Dec-15	20-Dec-15	06-Jan-16	06-Jan-16		Underground drainage (Pier 29) - Blinding Layer Casting (for Manhole)														
	0630-2355	Underground drainage (Pier 29) - Forwork Erection (for Manhole)	3	21-Dec-15	23-Dec-15	06-Jan-16	08-Jan-16	12	Underground drainage (Pier 29) - Forwork Erection (for Manhole)														
	0630-2357	Underground drainage (Pier 29) - Concreting (for Manhole)	1	24-Dec-15	24-Dec-15	09-Jan-16	09-Jan-16	12	Underground drainage (Pier 29) - Concreting (for Manhole)														
	0630-2359	Underground drainage (Pier 29) - Formwork Removal	1	26-Dec-15	26-Dec-15	11-Jan-16	11-Jan-16	12	Underground drainage (Pier 29) - Formwork Removal														
	0630-2361	Underground drainage (Pier 29) - Blinding Layer Casting (for Catchpit)	1	21-Dec-15	21-Dec-15	28-Dec-15	28-Dec-15	5	Underground drainage (Pier 29) - Blinding Layer Casting (for Catchpit)														
	0630-2363	Underground drainage (Pier 29) - Forwork Erection (for Catchpit)	1	22-Dec-15	22-Dec-15	29-Dec-15	29-Dec-15	5	Underground drainage (Pier 29) - Forwork Erection (for Catchpit)														
	0630-2365	Underground drainage (Pier 29) - Concreting (for Catchpit)	1	23-Dec-15	23-Dec-15	30-Dec-15	30-Dec-15	5	Underground drainage (Pier 29) - Concreting (for Catchpit)														
	0630-2367	Underground drainage (Pier 29) - Formwork Removal	1	24-Dec-15	24-Dec-15	31-Dec-15	31-Dec-15	5	Underground drainage (Pier 29) - Formwork Removal														
	0630-2369	Underground drainage (Pier 29) - Excavation	1	26-Dec-15	26-Dec-15	02-Jan-16	02-Jan-16	5	Underground drainage (Pier 29) - Excavation														
	0630-2371	Underground drainage (Pier 29) - Bedding	2	28-Dec-15	29-Dec-15	04-Jan-16	05-Jan-16	5	Underground drainage (Pier 29) - Bedding														
	0630-2373	Underground drainage (Pier 29) - Connection of Concrete Pipe	2	30-Dec-15	31-Dec-15	06-Jan-16	07-Jan-16	5	Underground drainage (Pier 29) - Connection of Concrete Pipe														
	0630-2375	Underground drainage (Pier 29) - Backfill	3	02-Jan-16	05-Jan-16	08-Jan-16	11-Jan-16	5	Underground drainage (Pier 29) - Backfill														
	0630-2381	Underground drainage (Pier 30) - Forwork Erection (for Manhole)	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		Erection (for Manhole)														
	0630-2383	Underground drainage (Pier 30) - Concreting (for Manhole)	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		ding (for Manhole)														
	0630-2385	Underground drainage (Pier 30) - Formwork Removal	0	20-Dec-15	20-Dec-15	11-Jan-16	11-Jan-16		work Removal														
	0630-2387	Underground drainage (Pier 30) - Blinding Layer Casting (for Catchpit)	0	20-Dec-15	20-Dec-15	08-Jan-16	08-Jan-16		ding Layer Casting (for Catchpit)														

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Three Months Rolling Programme (20 Dec 2015 to 19 Mar 2016)

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Activity ID		Activity Name		emainir Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	2015												2016											
										January				February				March															
										20	27	03	10	17	24	31	07	14	21	28	06	13	20										
0710-1000		Backfill (N46-64/S48-67) for East Vent Bldg		12	08-Mar-16	21-Mar-16	08-Mar-16	21-Mar-16	0	Backfill																							
08 - SECTION 5 WORK																																	
08.1 - Retaining Wall 'F' Substructure																																	
0810-1650		Retaining Wall F > Temp Excav Support/Open cut Excav works		18	21-Dec-15	12-Jan-16	25-Jun-16	16-Jul-16	152	Retaining Wall F > Temp Excav Support/Open cut Excav works																							
0810-1660		Retaining Wall F > Excavation Works for Pile caps		21	29-Dec-15	22-Jan-16	04-Jul-16	27-Jul-16	152	Retaining Wall F > Excavation Works for Pile caps																							
0810-1670		Construction of pile cap for Retaining Wall F @ PC8		21	31-Dec-15	25-Jan-16	06-Jul-16	29-Jul-16	152	Construction of pile cap for Retaining Wall F @ PC8																							
0810-1740		Construction of pile cap for Retaining Wall F @ PC12		0	11-Jan-16	11-Jan-16	15-Jul-16	15-Jul-16		uction of pile cap for Retaining Wall F @ PC12																							
0810-1760		Construction of pile cap for Retaining Wall F @ PC13		21	11-Jan-16	03-Feb-16	15-Jul-16	08-Aug-16	152	Construction of pile cap for Retaining Wall F @ PC13																							
0810-1780		Backfill of Retaining Wall F Pile Caps		7	04-Feb-16	15-Feb-16	23-Feb-17	02-Mar-17	317	Backfill of Retaining Wall F Pile Caps																							
0820-1000		low wall bet C4-13/14		5	26-Jan-16	30-Jan-16	15-Feb-17	20-Feb-17	318	low wall bet C4-13/14																							
0820-1010		low wall bet C5-11/12		7	26-Jan-16	02-Feb-16	15-Feb-17	22-Feb-17	318	low wall bet C5-11/12																							
09 - SECTION 6 OF THE WORKS																																	
09.2 - Westbound - Pier 26-27																																	
0920-1220		Pier 26 Install Bearing		0	20-Dec-15	20-Dec-15	23-Mar-16	23-Mar-16																									
10 - SECTION X OF THE WORKS																																	
10.4 - Bridge Deck Demolition																																	
10.4.1 - Existing W/B Bridge (Part 1)																																	
10410-2520		Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 35 (by crane)		0	20-Dec-15	20-Dec-15	02-Dec-15	02-Dec-15		head & Pier > Pier 35 (by crane)																							
10410-2540		Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 34 (by crane)		0	20-Dec-15	20-Dec-15	02-Dec-15	02-Dec-15		head & Pier > Pier 34 (by crane)																							
10.1 - E/B Bridges (Bridge D, E and F)																																	
10.1.1 - Marine Pier Construction																																	
Pier F01 to F02																																	
1011-8600		F1B Pier/Column Construction		12	21-Jan-16	03-Feb-16	12-Mar-16	26-Mar-16	41	F1B Pier/Column Construction																							
1011-8620		F1B Crosshead Construction		18	04-Feb-16	27-Feb-16	29-Mar-16	19-Apr-16	41	F1B Crosshead Construction																							
1011-8640		Bearing installation pier F1B & F2B		12	29-Feb-16	12-Mar-16	20-Apr-16	03-May-16	41	Bearing installation p																							
10.1.4 - Bridge E / Hing Fat Slip Road																																	
Bridge Construction																																	
1015-2100		Bridge E (Pier E2 - E3) - Road Marking		0	20-Dec-15	20-Dec-15	31-Aug-17	31-Aug-17																									
1015-2250		Bridge E (Pier E3 - E4) - Road Marking		0	20-Dec-15	20-Dec-15	31-Aug-17	31-Aug-17																									
1015-2330		Bridge E (Pier E4 towards HFS-Rd) - Road Marking		0	20-Dec-15	20-Dec-15	31-Aug-17	31-Aug-17		Marking																							
10.2 - W/B Bridges (Bridge C and F)																																	
10.2.1 - Pier Construction																																	
Pier 38 to 43																																	
1021-1860		Pier 38 (F3C) Construct Crosshead		24	08-Jan-16	04-Feb-16	22-Jan-16	22-Feb-16	12	Pier 38 (F3C) Construct Crosshead																							
1021-1880		Pier 38 (F3C) Install Bearing		9	05-Feb-16	18-Feb-16	26-Feb-16	07-Mar-16	15	Pier 38 (F3C) Install Bearing																							
1021-1940		Pier 39 (F4C) Construct Crosshead		24	08-Jan-16	04-Feb-16	03-Feb-16	04-Mar-16	22	Pier 39 (F4C) Construct Crosshead																							
1021-1960		Pier 39 (F4C) Install Bearing		9	05-Feb-16	18-Feb-16	22-Mar-16	02-Apr-16	36	Pier 39 (F4C) Install Bearing																							
1021-2020		Pier 40 (F5C) Construct Crosshead		24	05-Feb-16	07-Mar-16	23-Feb-16	21-Mar-16	12	Pier 40 (F5C) Construct Cross																							
1021-2040		Pier 40 (F5C) Install Bearing		9	08-Mar-16	17-Mar-16	22-Mar-16	02-Apr-16	12	Pier 40 (F5C)																							
1021-2100		Pier 41 (F6C) Construct Crosshead		24	05-Feb-16	07-Mar-16	05-Mar-16	05-Apr-16	22	Pier 41 (F6C) Construct Cross																							
1021-2120		Pier 41 (F6C) Install Bearing		9	08-Mar-16	17-Mar-16	06-Apr-16	15-Apr-16	22	Pier 41 (F6C)																							
Pier 36 to 37																																	
1021-1620		Pier 36 (F1C) Construct Crosshead		14	21-Dec-15	07-Jan-16	06-Jan-16	21-Jan-16	12	Pier 36 (F1C) Construct Crosshead																							
1021-1640		Pier 36 (F1C) Install Bearing		9	08-Jan-16	18-Jan-16	22-Jan-16	01-Feb-16	12	Pier 36 (F1C) Install Bearing																							
1021-1680		Pier 37 (F2C) Construct Pier/Column		14	21-Dec-15	07-Jan-16	11-Jan-16	26-Jan-16	16	Pier 37 (F2C) Construct Pier/Column																							
1021-1700		Pier 37 (F2C) Construct Crosshead		24	21-Dec-15	19-Jan-16	11-Jan-16	06-Feb-16	16	Pier 37 (F2C) Construct Crosshead																							
1021-1720		Pier 37 (F2C) Install Bearing + Segment		12	20-Jan-16	02-Feb-16	11-Feb-16	24-Feb-16	16	Pier 37 (F2C) Install Bearing + Segment																							
Abutment D12																																	
1021-1020		Construct Abutment D12 W/B Bridge		12	21-Dec-15	05-Jan-16	02-Dec-15	15-Dec-15	-16	Construct Abutment D12 W/B Bridge																							
1021-1040		Bearing installation D12 W/B Bridge + Segment		12	06-Jan-16	19-Jan-16	16-Dec-15	30-Dec-15	-16	Bearing installation D12 W/B Bridge + Segment																							
Pier 20 to 25																																	

Remaining Level of Effort

 Milestone

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

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Three Months Rolling Programme (20 Dec 2015 to 19 Mar 2016)

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Activity ID	Activity Name	Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	2015		2016													
										January			February			March							
								20	27	03	10	17	24	31	07	14	21	28	06	13	20		
	1021-1100	Pier 25 Reconstruct Crosshead	19	21-Dec-15	14-Jan-16	23-Mar-16	18-Apr-16	76	Pier 25 Reconstruct Crosshead														
	1021-1120	Pier 25 Install Bearing	9	14-Jan-16	25-Jan-16	19-Apr-16	28-Apr-16	76	Pier 25 Install Bearing														
	1021-1280	Pier 24 Reconstruct Crosshead	0	20-Dec-15	20-Dec-15	13-Apr-16	13-Apr-16		Crosshead														
	1021-1300	Pier 24 Install Bearing	7	21-Dec-15	30-Dec-15	13-Apr-16	21-Apr-16	91	Pier 24 Install Bearing														
	1021-1320	Pier 23 Reconstruct Column	0	20-Dec-15	20-Dec-15	23-Mar-16	23-Mar-16		Column														
	1021-1340	Pier 23 Reconstruct Crosshead	19	21-Dec-15	14-Jan-16	23-Mar-16	18-Apr-16	76	Pier 23 Reconstruct Crosshead														
	1021-1360	Pier 23 Install Bearing	9	14-Jan-16	25-Jan-16	19-Apr-16	28-Apr-16	76	Pier 23 Install Bearing														
	1021-1400	Pier 22 Reconstruct Column	0	20-Dec-15	20-Dec-15	01-Apr-16	01-Apr-16		Column														
	1021-1420	Pier 22 Reconstruct Crosshead	19	21-Dec-15	14-Jan-16	01-Apr-16	25-Apr-16	82	Pier 22 Reconstruct Crosshead														
	1021-1430	Pier 22 Install Bearing	6	14-Jan-16	21-Jan-16	25-Apr-16	02-May-16	82	Pier 22 Install Bearing														
Pier 17 to 19																							
	1021-1215	Modify Pier 21 Crosshead (south wing) + Bearing	30	21-Dec-15	26-Jan-16	15-Mar-16	21-Apr-16	68	Modify Pier 21 Crosshead (south wing) + Bearing														
	1021-1225	Modify Pier 20 Crosshead (south wing) + Bearing	30	21-Dec-15	26-Jan-16	15-Mar-16	21-Apr-16	68	Modify Pier 20 Crosshead (south wing) + Bearing														
	1021-1230	Modify Pier 19 Crosshead (south wing) + Bearing	29	21-Dec-15	25-Jan-16	16-Mar-16	21-Apr-16	70	Modify Pier 19 Crosshead (south wing) + Bearing														
	1021-1235	Modify Pier 18 Crosshead (south wing) + Bearing	29	21-Dec-15	25-Jan-16	16-Mar-16	21-Apr-16	70	Modify Pier 18 Crosshead (south wing) + Bearing														
10.2.2 - Bridge Construction																							
Bridge C2																							
	1022-2800	Bridge C2 - Erect Pier Segment at Pier 24 (1 no) > By LG2	6	22-Mar-16	30-Mar-16	22-Apr-16	28-Apr-16	24	Pier Segment at Pier 24 (1 no) > By LG2														
	1022-2820	Bridge C2 - Erect T-span at Pier 24 (10 nos) > By LG2	3	31-Mar-16	02-Apr-16	29-Apr-16	02-May-16	24	T-span at Pier 24 (10 nos) > By LG2														
Bridge C3																							
	1022-1070	Erect/Assemble LG2 at Piers 29 and 30 + T&C	41	21-Dec-15	11-Feb-16	20-Jan-16	10-Mar-16	24	Erect/Assemble LG2 at Piers 29 and 30 + T&C														
	1022-1120	Bridge C3 - Erect Pier Segment at Pier 27 (1no) > by LG2	6	12-Feb-16	18-Feb-16	11-Mar-16	17-Mar-16	24	Bridge C3 - Erect Pier Segment at Pier 27 (1no) > by LG2														
	1022-2580	Bridge C3 - Erect T-span at Pier 27 (10 nos) > By LG2	3	12-Feb-16	15-Feb-16	11-Mar-16	14-Mar-16	24	Bridge C3 - Erect T-span at Pier 27 (10 nos) > By LG2														
	1022-2582	Bridge C3 - Erect End Span at Pier 28 (5 nos) > By LG2	7	16-Feb-16	23-Feb-16	15-Mar-16	22-Mar-16	24	Bridge C3 - Erect End Span at Pier 28 (5 nos) > By LG2														
	1022-2620	Bridge C3 - Erect Pier Segment at Pier 26 (1no) > By LG2	6	24-Feb-16	01-Mar-16	23-Mar-16	31-Mar-16	24	Bridge C3 - Erect Pier Segment at Pier 26 (1no) > By LG2														
	1022-2640	Bridge C3 - Erect T-span at Pier 26 (12 nos) > By LG2	3	02-Mar-16	04-Mar-16	01-Apr-16	05-Apr-16	24	Bridge C3 - Erect T-span at Pier 26 (12 nos) > By LG2														
	1022-2642	Bridge C3 - Erect Pier Segment at Pier 25 (2 nos) > By LG2	7	05-Mar-16	12-Mar-16	06-Apr-16	13-Apr-16	24	Bridge C3 - Erect Pier Segment at Pier 25 (2 nos) > By LG2														
	1022-2645	Bridge C3 - Erect End Segment at Pier 25N (4 nos) > By LG2	7	14-Mar-16	21-Mar-16	14-Apr-16	21-Apr-16	24	Bridge C3 - Erect End Segment at Pier 25N (4 nos) > By LG2														
	1022-2650	Bridge C3 - Stitching at midspan between Pier 27 and 28	2	24-Feb-16	25-Feb-16	23-Mar-16	24-Mar-16	24	Bridge C3 - Stitching at midspan between Pier 27 and 28														
	1022-2660	Bridge C3 - Stitching at midspan between Pier 26 and 27	2	05-Mar-16	07-Mar-16	02-May-16	03-May-16	46	Bridge C3 - Stitching at midspan between Pier 26 and 27														
	1022-2720	Bridge C3 - Stitching at midspan between Pier 25 and 26	2	22-Mar-16	23-Mar-16	27-Apr-16	28-Apr-16	28	Bridge C3 - Stitching at midspan between Pier 25 and 26														
Bridge C4																							
	1022-1456.2	Bridge C4 - Erect T-Span Segment at Pier 29 (12 nos) > by LG1	0	20-Dec-15	20-Dec-15	03-Dec-15	03-Dec-15		Bridge C4 - Erect T-Span Segment at Pier 29 (12 nos) > by LG1														
	1022-1456.3	Bridge C4 - Erect End Span Segment at Pier 28 (4 nos) > By LG1	0	20-Dec-15	20-Dec-15	03-Dec-15	03-Dec-15		Bridge C4 - Erect End Span Segment at Pier 28 (4 nos) > By LG1														
	1022-1456.4	Bridge C4 - Erect T-Span Segment at Pier 30 (10 nos) > by LG1	0	20-Dec-15	20-Dec-15	03-Dec-15	03-Dec-15		Bridge C4 - Erect T-Span Segment at Pier 30 (10 nos) > by LG1														
	1022-1456.5	Luanch LG1 to Pier 31 - Pier 33	0	20-Dec-15	20-Dec-15	03-Dec-15	03-Dec-15		Luanch LG1 to Pier 31 - Pier 33														
	1022-1457	Bridge C4 - Erect T-Span Segment at Piers 31 (12 nos) > by LG1	0	20-Dec-15	20-Dec-15	03-Dec-15	03-Dec-15		Bridge C4 - Erect T-Span Segment at Piers 31 (12 nos) > by LG1														
	1022-1458	Bridge C4 - Erect End Span Segment at Piers 32 (4 nos) > by LG1	4	21-Dec-15	24-Dec-15	03-Dec-15	07-Dec-15	-15	Bridge C4 - Erect End Span Segment at Piers 32 (4 nos) > by LG1														
	1022-1458.2	Bridge C4 - Stitching between Pier 28 - 29	0	20-Dec-15	20-Dec-15	03-Dec-15	03-Dec-15		Bridge C4 - Stitching between Pier 28 - 29														
	1022-1458.3	Bridge C4 - Stitching between Pier 29 - 30	0	20-Dec-15	20-Dec-15	03-Dec-15	03-Dec-15		Bridge C4 - Stitching between Pier 29 - 30														
	1022-1458.4	Bridge C4 - Stitching between Pier 30 - 31	3	21-Dec-15	23-Dec-15	12-May-16	14-May-16	115	Bridge C4 - Stitching between Pier 30 - 31														
	1022-1459	Bridge C4 - Stitching between Pier 31 - 32	3	26-Dec-15	29-Dec-15	08-Dec-15	10-Dec-15	-15	Bridge C4 - Stitching between Pier 31 - 32														
	1022-1460	Bridge C4 - External Stressing	10	30-Dec-15	11-Jan-16	16-May-16	26-May-16	111	Bridge C4 - External Stressing														
	1022-1620	Bridge C4 - Construct South Parapet (108m)	23	12-Jan-16	06-Feb-16	27-May-16	23-Jun-16	111	Bridge C4 - Construct South Parapet (108m)														
	1022-1640	Bridge C4 - Construct North Parapet (108m)	23	12-Jan-16	06-Feb-16	27-May-16	23-Jun-16	111	Bridge C4 - Construct North Parapet (108m)														
	1022-3830	Complete Part of Portion VB (from Pier 28 - Pier 32)	0		30-Dec-15		11-Dec-15	-15	Complete Part of Portion VB (from Pier 28 - Pier 32)														
	1022-3840	Handover to Portion VB to CC contract (from Pier 28 - Pier 34)	0		29-Jan-16		11-Jan-16	-16	Handover to Portion VB to CC contract (from Pier 28 - Pier 34)														
Bridge C5																							
	1022-1570	Bridge C5 - Erect T-span at Pier 33 (10 nos) > by LG1	3	26-Dec-15	29-Dec-15	19-Dec-15	22-Dec-15	-5	Bridge C5 - Erect T-span at Pier 33 (10 nos) > by LG1														

- Remaining Level of Effort
- ◆ ◆ Milestone
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work

Contract HY/2009/19

Three Months Rolling Programme (20 Dec 2015 to 19 Mar 2016)

Activity ID		Activity Name	emainir Duratior	Early Start	Early Finish	Late Start	Late Finish	Total Float	2015						2016																	
															January						February						March					
									20	27	03	10	17	24	31	07	14	21	28	06	13	20										
	1022-1575	Bridge C4 - Erect End Span Segment at Piers 32 (5 nos) > by LG1	6	30-Dec-15	06-Jan-16	23-Dec-15	30-Dec-15	-5	Bridge C4 - Erect End Span Segment at Piers 32 (5 nos) > by LG1																							
	1022-1578	Luanch LG1 to Pier 34 - Pier 36	2	20-Jan-16	21-Jan-16	31-Dec-15	02-Jan-16	-16	Luanch LG1 to Pier 34 - Pier 36																							
	1022-1580	Bridge C5 - Erect T-span at Pier 34 (8 nos) > By LG1	3	22-Jan-16	25-Jan-16	04-Jan-16	06-Jan-16	-16	Bridge C5 - Erect T-span at Pier 34 (8 nos) > By LG1																							
	1022-1585	Bridge C5 - Erect Pier Segment atAbut D12 (2 nos) > by LG1	2	26-Jan-16	27-Jan-16	22-Jan-16	23-Jan-16	-3	Bridge C5 - Erect Pier Segment atAbut D12 (2 nos) > by LG1																							
	1022-1588	Bridge C5 - Erect E-span atAbut D12 (5 nos) > by LG1	7	28-Jan-16	04-Feb-16	25-Jan-16	01-Feb-16	-3	Bridge C5 - Erect E-span atAbut D12 (5 nos) > by LG1																							
	1022-1600	Bridge C5 - Stitching between Pier 32 and 33	3	07-Jan-16	09-Jan-16	17-Jun-16	20-Jun-16	132	Bridge C5 - Stitching between Pier 32 and 33																							
	1022-1700	Bridge C5 - Stitching between Pier 33 and 34	3	26-Jan-16	28-Jan-16	07-Jan-16	09-Jan-16	-16	Bridge C5 - Stitching between Pier 33 and 34																							
	1022-1760	Bridge C5 - Stitching between Pier 34 and D12	3	05-Feb-16	11-Feb-16	21-Jun-16	23-Jun-16	110	Bridge C5 - Stitching between Pier 34 and D12																							
	1022-1780	Bridge C5 - External Stressing	7	05-Feb-16	16-Feb-16	21-Jun-16	28-Jun-16	110	Bridge C5 - External Stressing																							
	1022-1800	Bridge C5 - Construct North Parapet (75m)	16	17-Feb-16	05-Mar-16	29-Jun-16	18-Jul-16	110	Bridge C5 - Construct North Para																							
	1022-3140	Bridge C5 - Construct South Parapet (75m)	16	17-Feb-16	05-Mar-16	29-Jun-16	18-Jul-16	110	Bridge C5 - Construct South Para																							
Bridge F1C																																
	1022-1840	Bridge F1C - Erect Pier Segment at Pier 36 (1 nos) > by LG1	7	05-Feb-16	16-Feb-16	02-Feb-16	12-Feb-16	-3	Bridge F1C - Erect Pier Segment at Pier 36 (1 nos) > by LG1																							
	1022-1860	Bridge F1C- Erect T-span at Pier 36 (12 nos) > by LG1	3	17-Feb-16	19-Feb-16	13-Feb-16	16-Feb-16	-3	Bridge F1C- Erect T-span at Pier 36 (12 nos) > by LG1																							
	1022-1870	Bridge F1C - Erect E-span atAbut D12 (6 nos) > by LG1	7	20-Feb-16	27-Feb-16	17-Feb-16	24-Feb-16	-3	Bridge F1C - Erect E-span atAbut D12 (6 nos)																							
	1022-1872	Bridge F1C - Erect Pier Segment at Pier 37 (1 no) > by LG1	7	29-Feb-16	07-Mar-16	25-Feb-16	03-Mar-16	-3	Bridge F1C - Erect Pier Segm																							
	1022-1875	Bridge F1C - Erect T-span Segment at Pier 37 (10 nos) > by LG1	3	08-Mar-16	10-Mar-16	04-Mar-16	07-Mar-16	-3	Bridge F1C - Erect T-spa																							
	1022-1878	Bridge F1C - Erect Pier Segment at Pier 38 (2 nos) > by LG1	7	11-Mar-16	18-Mar-16	08-Mar-16	15-Mar-16	-3	Bridge F1C																							
	1022-1879	Bridge F1C - Erect E-span Segment at Pier 38 (5 nos) > by LG1	7	19-Mar-16	29-Mar-16	16-Mar-16	23-Mar-16	-3																								
	1022-1880	Bridge F1C - Stitching between Abiut D12 and Pier 36	3	29-Feb-16	02-Mar-16	11-Jun-16	14-Jun-16	85	Bridge F1C - Stitching between Abiut D																							
	1022-1940	Bridge F1C - Stitching between Pier 36 and 37	3	11-Mar-16	14-Mar-16	11-Jun-16	14-Jun-16	75	Bridge F1C - Stitc																							
	1022-2000	Bridge F1C - Stitching between Pier 37 and 38	3	30-Mar-16	01-Apr-16	05-Apr-16	07-Apr-16	4																								
10.3 - Middle Bridge (Bridge F)																																
10.3.1 - Pier Construction																																
Abutment D12																																
	1031-1920	Complete ABUT D12 at Middle Bridge	20	19-Feb-16	12-Mar-16	11-Apr-16	03-May-16	41	Complete ABUT D12																							
10.6 - Tunnel Approach Ramp																																
10.6.1 - Approach Ramp (Excluding Portion IIB)																																
Bored Piles																																
	1061-1120	Bored Piles Testing Approach Ramp (112 nos)	60	21-Dec-15	04-Mar-16	18-May-16	28-Jul-16	120	Bored Piles Testing Approach Ram																							
	1061-3980	Pre Bored H-Pile > Pile Ramp - BN14 A	3	21-Dec-15	23-Dec-15	21-Jun-16	23-Jun-16	148	Pre Bored H-Pile > Pile Ramp - BN14 A																							
	1061-3981	Pre Bored H-Pile > Pile Ramp - BN14 A - (H-Pile + Grouting)	1	24-Dec-15	24-Dec-15	22-Sep-16	22-Sep-16	223	Pre Bored H-Pile > Pile Ramp - BN14 A - (H-Pile + Grouting)																							
	1061-4000	Pre Bored H-Pile > Pile Ramp - BN14 B	3	24-Dec-15	28-Dec-15	24-Jun-16	27-Jun-16	148	Pre Bored H-Pile > Pile Ramp - BN14 B																							
	1061-4001	Pre Bored H-Pile > Pile Ramp - BN14 B - (H-Pile + Grouting)	1	29-Dec-15	29-Dec-15	22-Sep-16	22-Sep-16	220	Pre Bored H-Pile > Pile Ramp - BN14 B - (H-Pile + Grouting)																							
	1061-4020	Pre Bored H-Pile > Pile Ramp - BN15 A	0	28-Dec-15	28-Dec-15	28-Jun-16	28-Jun-16		d H-Pile > Pile Ramp - BN15 A																							
	1061-40221	Pre Bored H-Pile > Pile Ramp - BN15 A - (H-Pile + Grouting)	1	29-Dec-15	29-Dec-15	22-Sep-16	22-Sep-16	220	Pre Bored H-Pile > Pile Ramp - BN15 A - (H-Pile + Grouting)																							
	1061-4040	Pre Bored H-Pile > Pile Ramp - BN15 B	0	28-Dec-15	28-Dec-15	28-Jun-16	28-Jun-16		Pile > Pile Ramp - BN15 B																							
	1061-4041	Pre Bored H-Pile > Pile Ramp - BN15 B - (H-Pile + Grouting)	0	29-Dec-15	29-Dec-15	22-Sep-16	22-Sep-16	221	Pre Bored H-Pile > Pile Ramp - BN15 B - (H-Pile + Grouting)																							
	1061-4060	Pre Bored H-Pile > Pile Ramp - BN16 A	0	28-Dec-15	28-Dec-15	28-Jun-16	28-Jun-16		Pile Ramp - BN16 A																							
	1061-4061	Pre Bored H-Pile > Pile Ramp - BN16 A - (H-Pile + Grouting)	0	29-Dec-15	29-Dec-15	22-Sep-16	22-Sep-16	221	Pre Bored H-Pile > Pile Ramp - BN16 A - (H-Pile + Grouting)																							
	1061-4081	Pre Bored H-Pile > Pile Ramp - BN16 B - (H-Pile + Grouting)	1	29-Dec-15	29-Dec-15	22-Sep-16	22-Sep-16	220	Pre Bored H-Pile > Pile Ramp - BN16 B - (H-Pile + Grouting)																							
	1061-4100	Pre Bored H-Pile > Pile Ramp - BM07 A	3	29-Dec-15	31-Dec-15	28-Jun-16	30-Jun-16	148	Pre Bored H-Pile > Pile Ramp - BM07 A																							
	1061-4101	Pre Bored H-Pile > Pile Ramp - BM07 A - (H-Pile + Grouting)	1	02-Jan-16	02-Jan-16	22-Sep-16	22-Sep-16	217	Pre Bored H-Pile > Pile Ramp - BM07 A - (H-Pile + Grouting)																							
	1061-4120	Pre Bored H-Pile > Pile Ramp - BM07 B	3	02-Jan-16	05-Jan-16	02-Jul-16	05-Jul-16	148	Pre Bored H-Pile > Pile Ramp - BM07 B																							
	1061-4121	Pre Bored H-Pile > Pile Ramp - BM07 B - (H-Pile + Grouting)	1	06-Jan-16	06-Jan-16	22-Sep-16	22-Sep-16	214	Pre Bored H-Pile > Pile Ramp - BM07 B - (H-Pile + Grouting)																							
	1061-4140	Pre Bored H-Pile > Pile Ramp - BM08 A	3	06-Jan-16	08-Jan-16	06-Jul-16	08-Jul-16	148	Pre Bored H-Pile > Pile Ramp - BM08 A																							
	1061-4141	Pre Bored H-Pile > Pile Ramp - BM08 A - (H-Pile + Grouting)	1	09-Jan-16	09-Jan-16	22-Sep-16	22-Sep-16	211	Pre Bored H-Pile > Pile Ramp - BM08 A - (H-Pile + Grouting)																							
	1061-4161	Pre Bored H-Pile > Pile Ramp - BM08 B - (H-Pile + Grouting)	1	09-Jan-16	09-Jan-16	22-Sep-16	22-Sep-16	211	Pre Bored H-Pile > Pile Ramp - BM08 B - (H-Pile + Grouting)																							
	1061-4180	Pre Bored H-Pile > Pile Ramp - BM06 A	3	09-Jan-16	12-Jan-16	09-Jul-16	12-Jul-16	148	Pre Bored H-Pile > Pile Ramp - BM06 A																							

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

Contract HY/2009/19

Three Months Rolling Programme (20 Dec 2015 to 19 Mar 2016)

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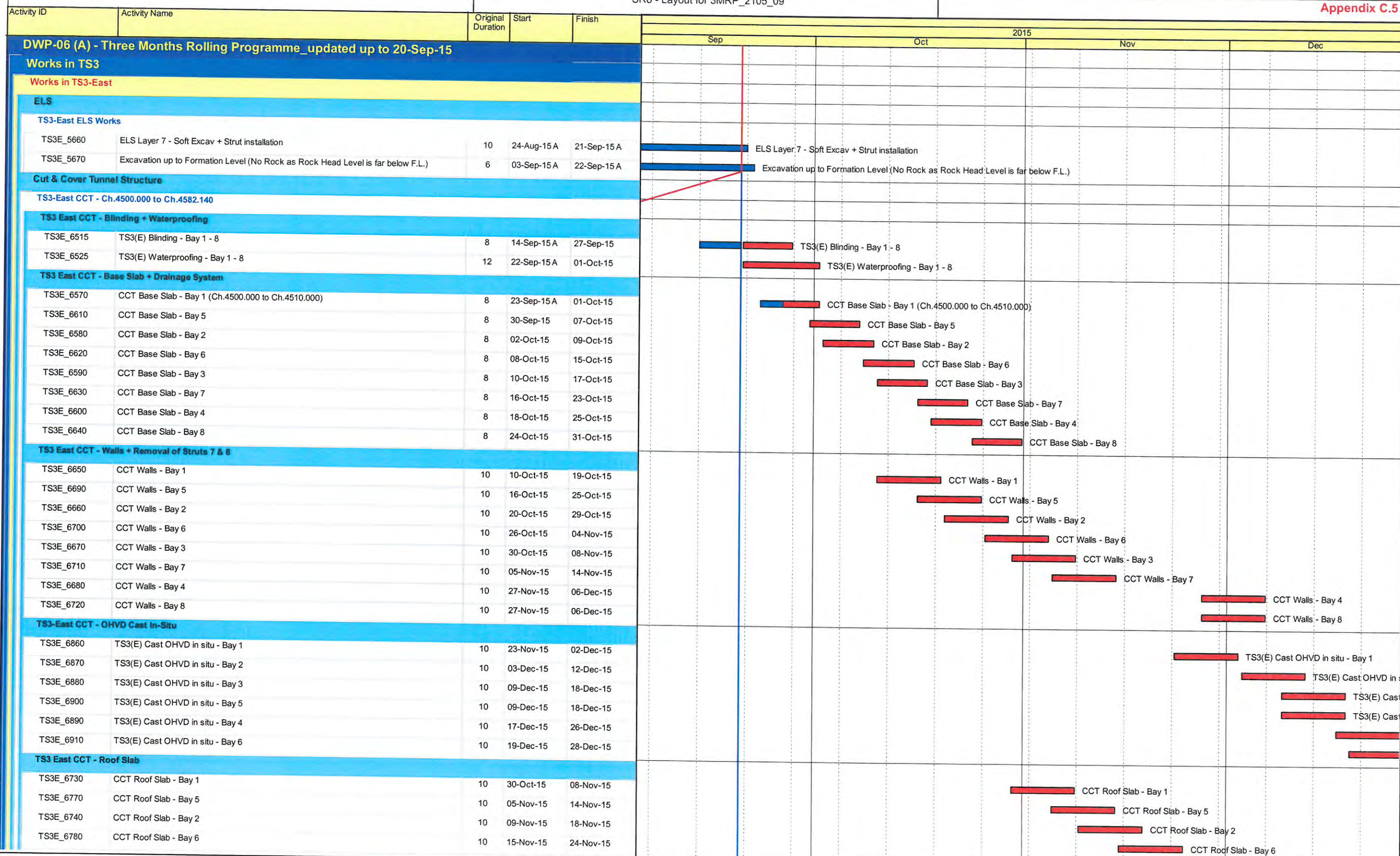
Activity ID	Activity Name	emainir Juration	Early Start	Early Finish	Late Start	Late Finish	Total Float	2015		2016													
										January			February			March							
								20	27	03	10	17	24	31	07	14	21	28	06	13	20		
	1061-4181	Pre Bored H-Pile > Pile Ramp - BM06 A - (H-Pile + Grouting)	1	13-Jan-16	13-Jan-16	22-Sep-16	22-Sep-16	208	Pre Bored H-Pile > Pile Ramp - BM06 A - (H-Pile + Grouting)														
	1061-4200	Pre Bored H-Pile > Pile Ramp - BM06 B	0	28-Dec-15	28-Dec-15	16-Jul-16	16-Jul-16		Bored H-Pile > Pile Ramp - BM06 B														
	1061-4201	Pre Bored H-Pile > Pile Ramp - BM06 B - (H-Pile + Grouting)	1	29-Dec-15	29-Dec-15	22-Sep-16	22-Sep-16	220	Pre Bored H-Pile > Pile Ramp - BM06 B - (H-Pile + Grouting)														
	1061-4220	Pre Bored H-Pile > Pile Ramp - BM05 A	3	13-Jan-16	15-Jan-16	13-Jul-16	15-Jul-16	148	Pre Bored H-Pile > Pile Ramp - BM05 A														
	1061-4221	Pre Bored H-Pile > Pile Ramp - BM05 A - (H-Pile + Grouting)	1	16-Jan-16	16-Jan-16	22-Sep-16	22-Sep-16	205	Pre Bored H-Pile > Pile Ramp - BM05 A - (H-Pile + Grouting)														
	1061-4240	Pre Bored H-Pile > Pile Ramp - BM05 B	3	16-Jan-16	19-Jan-16	16-Jul-16	19-Jul-16	148	Pre Bored H-Pile > Pile Ramp - BM05 B														
	1061-4241	Pre Bored H-Pile > Pile Ramp - BM05 B - (H-Pile + Grouting)	1	20-Jan-16	20-Jan-16	22-Sep-16	22-Sep-16	202	Pre Bored H-Pile > Pile Ramp - BM05 B - (H-Pile + Grouting)														
	1061-4260	Pre Bored H-Pile > Pile Ramp - BM04 A	3	20-Jan-16	22-Jan-16	20-Jul-16	22-Jul-16	148	Pre Bored H-Pile > Pile Ramp - BM04 A														
	1061-4261	Pre Bored H-Pile > Pile Ramp - BM04 A - (H-Pile + Grouting)	1	23-Jan-16	23-Jan-16	22-Sep-16	22-Sep-16	199	Pre Bored H-Pile > Pile Ramp - BM04 A - (H-Pile + Grouting)														
	1061-4280	Pre Bored H-Pile > Pile Ramp - BM04 B	3	23-Jan-16	26-Jan-16	23-Jul-16	26-Jul-16	148	Pre Bored H-Pile > Pile Ramp - BM04 B														
	1061-4281	Pre Bored H-Pile > Pile Ramp - BM04 B - (H-Pile + Grouting)	1	27-Jan-16	27-Jan-16	22-Sep-16	22-Sep-16	196	Pre Bored H-Pile > Pile Ramp - BM04 B - (H-Pile + Grouting)														
	1061-4300	Pre Bored H-Pile > Pile Ramp - BM03 A	3	27-Jan-16	29-Jan-16	27-Jul-16	29-Jul-16	148	Pre Bored H-Pile > Pile Ramp - BM03 A														
	1061-4301	Pre Bored H-Pile > Pile Ramp - BM03 A - (H-Pile + Grouting)	1	30-Jan-16	30-Jan-16	22-Sep-16	22-Sep-16	193	Pre Bored H-Pile > Pile Ramp - BM03 A - (H-Pile + Grouting)														
	1061-4320	Pre Bored H-Pile > Pile Ramp - BM03 B	3	30-Jan-16	02-Feb-16	30-Jul-16	02-Aug-16	148	Pre Bored H-Pile > Pile Ramp - BM03 B														
	1061-4321	Pre Bored H-Pile > Pile Ramp - BM03 B - (H-Pile + Grouting)	1	03-Feb-16	03-Feb-16	22-Sep-16	22-Sep-16	190	Pre Bored H-Pile > Pile Ramp - BM03 B - (H-Pile + Grouting)														
	1061-4341	Pre Bored H-Pile > Pile Ramp - BS16 A - (H-Pile + Grouting)	1	21-Dec-15	21-Dec-15	22-Sep-16	22-Sep-16	226	Pre Bored H-Pile > Pile Ramp - BS16 A - (H-Pile + Grouting)														
	1061-4361	Pre Bored H-Pile > Pile Ramp - BS16 B - (H-Pile + Grouting)	1	21-Dec-15	21-Dec-15	22-Sep-16	22-Sep-16	226	Pre Bored H-Pile > Pile Ramp - BS16 B - (H-Pile + Grouting)														
	1061-4381	Pre Bored H-Pile > Pile Ramp- BS15 A - (H-Pile + Grouting)	0	20-Dec-15	20-Dec-15	22-Sep-16	22-Sep-16		Pile Ramp- BS15 A - (H-Pile + Grouting)														
	1061-4401	Pre Bored H-Pile > Pile Ramp - BS15 B - (H-Pile + Grouting)	1	21-Dec-15	21-Dec-15	22-Sep-16	22-Sep-16	226	Pre Bored H-Pile > Pile Ramp - BS15 B - (H-Pile + Grouting)														
	1061-4420	Pre Bored H-Pile > Pile Ramp - BS14 A	3	03-Feb-16	05-Feb-16	03-Aug-16	05-Aug-16	148	Pre Bored H-Pile > Pile Ramp - BS14 A														
	1061-4421	Pre Bored H-Pile > Pile Ramp - BS14 A - (H-Pile + Grouting)	1	06-Feb-16	06-Feb-16	22-Sep-16	22-Sep-16	187	Pre Bored H-Pile > Pile Ramp - BS14 A - (H-Pile + Grouting)														
	1061-4440	Pre Bored H-Pile > Pile Ramp - BS14 B	3	06-Feb-16	12-Feb-16	06-Aug-16	09-Aug-16	148	Pre Bored H-Pile > Pile Ramp - BS14 B														
	1061-4441	Pre Bored H-Pile > Pile Ramp - BS14 B - (H-Pile + Grouting)	1	13-Feb-16	13-Feb-16	22-Sep-16	22-Sep-16	184	Pre Bored H-Pile > Pile Ramp - BS14 B - (H-Pile + Grouting)														
	1061-4460	Pre Bored H-Pile > Pile Ramp - BN11 A	3	13-Feb-16	16-Feb-16	10-Aug-16	12-Aug-16	148	Pre Bored H-Pile > Pile Ramp - BN11 A														
	1061-4461	Pre Bored H-Pile > Pile Ramp - BN11 A - (H-Pile + Grouting)	1	17-Feb-16	17-Feb-16	22-Sep-16	22-Sep-16	181	Pre Bored H-Pile > Pile Ramp - BN11 A - (H-Pile + Grouting)														
	1061-4480	Pre Bored H-Pile > Pile Ramp - BN11 B	3	17-Feb-16	19-Feb-16	13-Aug-16	16-Aug-16	148	Pre Bored H-Pile > Pile Ramp - BN11 B														
	1061-4481	Pre Bored H-Pile > Pile Ramp - BN11 B - (H-Pile + Grouting)	1	20-Feb-16	20-Feb-16	22-Sep-16	22-Sep-16	178	Pre Bored H-Pile > Pile Ramp - BN11 B - (H-Pile + Grouting)														
	1061-4500	Pre Bored H-Pile > Pile Ramp - BN12 A	3	20-Feb-16	23-Feb-16	17-Aug-16	19-Aug-16	148	Pre Bored H-Pile > Pile Ramp - BN12 A														
	1061-4501	Pre Bored H-Pile > Pile Ramp - BN12 A - (H-Pile + Grouting)	1	24-Feb-16	24-Feb-16	22-Sep-16	22-Sep-16	175	Pre Bored H-Pile > Pile Ramp - BN12 A - (H-Pile + Grouting)														
	1061-4520	Pre Bored H-Pile > Pile Ramp - BN12 B	3	24-Feb-16	26-Feb-16	20-Aug-16	23-Aug-16	148	Pre Bored H-Pile > Pile Ramp - BN12 B														
	1061-4521	Pre Bored H-Pile > Pile Ramp - BN12 B - (H-Pile + Grouting)	1	27-Feb-16	27-Feb-16	22-Sep-16	22-Sep-16	172	Pre Bored H-Pile > Pile Ramp - BN12 B - (H-Pile + Grouting)														
	1061-4540	Pre Bored H-Pile > Pile Ramp - BN13 A	3	27-Feb-16	01-Mar-16	24-Aug-16	26-Aug-16	148	Pre Bored H-Pile > Pile Ramp - BN13 A														
	1061-4541	Pre Bored H-Pile > Pile Ramp - BN13 A - (H-Pile + Grouting)	1	02-Mar-16	02-Mar-16	22-Sep-16	22-Sep-16	169	Pre Bored H-Pile > Pile Ramp - BN13 A - (H-Pile + Grouting)														
	1061-4560	Pre Bored H-Pile > Pile Ramp - BN13 B	3	02-Mar-16	04-Mar-16	27-Aug-16	30-Aug-16	148	Pre Bored H-Pile > Pile Ramp - BN13 B														
	1061-4561	Pre Bored H-Pile > Pile Ramp - BN13 B - (H-Pile + Grouting)	1	05-Mar-16	05-Mar-16	22-Sep-16	22-Sep-16	166	Pre Bored H-Pile > Pile Ramp - BN13 B - (H-Pile + Grouting)														
	1061-4580	Pre Bored H-Pile > Pile Ramp - BN01 A	3	05-Mar-16	08-Mar-16	31-Aug-16	02-Sep-16	148	Pre Bored H-Pile > Pile Ramp - BN01 A														
	1061-4581	Pre Bored H-Pile > Pile Ramp - BN01 A - (H-Pile + Grouting)	1	09-Mar-16	09-Mar-16	22-Sep-16	22-Sep-16	163	Pre Bored H-Pile > Pile Ramp - BN01 A - (H-Pile + Grouting)														
	1061-4600	Pre Bored H-Pile > Pile Ramp - BN01 B	3	09-Mar-16	11-Mar-16	03-Sep-16	06-Sep-16	148	Pre Bored H-Pile > Pile Ramp - BN01 B														
	1061-4601	Pre Bored H-Pile > Pile Ramp - BN01 B - (H-Pile + Grouting)	1	12-Mar-16	12-Mar-16	22-Sep-16	22-Sep-16	160	Pre Bored H-Pile > Pile Ramp - BN01 B - (H-Pile + Grouting)														
	1061-4620	Pre Bored H-Pile > Pile Ramp - BN05 A	3	12-Mar-16	15-Mar-16	07-Sep-16	09-Sep-16	148	Pre Bored H-Pile > Pile Ramp - BN05 A														
1061-4621	Pre Bored H-Pile > Pile Ramp - BN05 A - (H-Pile + Grouting)	1	16-Mar-16	16-Mar-16	22-Sep-16	22-Sep-16	157	Pre Bored H-Pile > Pile Ramp - BN05 A - (H-Pile + Grouting)															
1061-4640	Pre Bored H-Pile > Pile Ramp - BN05 B	3	16-Mar-16	18-Mar-16	10-Sep-16	13-Sep-16	148	Pre Bored H-Pile > Pile Ramp - BN05 B															
1061-4641	Pre Bored H-Pile > Pile Ramp - BN05 B - (H-Pile + Grouting)	1	19-Mar-16	19-Mar-16	22-Sep-16	22-Sep-16	154	Pre Bored H-Pile > Pile Ramp - BN05 B - (H-Pile + Grouting)															
1061-4660	Pre Bored H-Pile > Pile Ramp - BN06 A	3	19-Mar-16	22-Mar-16	14-Sep-16	17-Sep-16	148	Pre Bored H-Pile > Pile Ramp - BN06 A															
1061-4661	Pre Bored H-Pile > Pile Ramp - BN06 A - (H-Pile + Grouting)	1	23-Mar-16	23-Mar-16	22-Sep-16	22-Sep-16	151	Pre Bored H-Pile > Pile Ramp - BN06 A - (H-Pile + Grouting)															
1061-4680	Pre Bored H-Pile > Pile Ramp - BN06 B	3	23-Mar-16	26-Mar-16	19-Sep-16	21-Sep-16	148	Pre Bored H-Pile > Pile Ramp - BN06 B															
1061-4681	Pre Bored H-Pile > Pile Ramp - BN06 B - (H-Pile + Grouting)	1	29-Mar-16	29-Mar-16	22-Sep-16	22-Sep-16	148	Pre Bored H-Pile > Pile Ramp - BN06 B - (H-Pile + Grouting)															

Activity ID	Activity Name	emainir Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	2015		2016												
										January					February			March				
								20	27	03	10	17	24	31	07	14	21	28	06	13	20	
1061-4720	Complete Bored H-Piles Excl.Portion IIB	0		29-Mar-16		22-Sep-16	148															
	A1560	STAGE 2 ELS WORKS ALONG OIL STREET & HOTEL CARPARK - Resubmissic	0		30-Jan-16		30-Jan-16	0	◆ STAGE 2 ELS WORKS ALONG OIL STREET & HOTEL CARPARK - Resubmission complete													
ELS																						
1061-1205	Clearing up areas, Remove Excavated Materials, etc	10	21-Dec-15	02-Jan-16	03-Feb-16	17-Feb-16	36		Clearing up areas, Remove Excavated Materials, etc													
1061-1210	Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5331.984 - CH5301	14	04-Jan-16	19-Jan-16	18-Feb-16	04-Mar-16	36		Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5331.984 - CH5301.68) N-Side													
1061-1220	Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5301.68 - CH5271.6	14	20-Jan-16	04-Feb-16	05-Mar-16	21-Mar-16	36		Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5301.68 - CH5271.6) N													
1061-1240	Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5271.6 - CH5241.07	14	05-Feb-16	24-Feb-16	22-Mar-16	09-Apr-16	36		Drive Sheet Pile for Trough A (excl IIB) - Appr. Ra													
1061-1260	Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5241.07) Cross Wes	14	25-Feb-16	11-Mar-16	11-Apr-16	26-Apr-16	36		Drive Sheet Pile for Tro													
1061-1320	Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5331.984) Cross Ea:	14	04-Jan-16	19-Jan-16	25-Feb-16	11-Mar-16	42		Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5331.984) Cross East-Side													
1061-1340	Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5331.984 - CH5301.	12	20-Jan-16	02-Feb-16	12-Mar-16	26-Mar-16	42		Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5331.984 - CH5301.68) S-													
1061-1360	Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5301.68 - CH5271.6	12	03-Feb-16	19-Feb-16	29-Mar-16	12-Apr-16	42		Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (C													
1061-1380	Drive Sheet Pile for Trough A (excl IIB) - Appr. Ramp > (CH5271.6 - CH5241.07	12	20-Feb-16	04-Mar-16	13-Apr-16	26-Apr-16	42		Drive Sheet Pile for Trough A (excl													
1061-1390	Install H-Pile King Post	14	11-Jan-16	26-Jan-16	08-Mar-16	23-Mar-16	46		Install H-Pile King Post													
1061-1391	Install recharge well/observation well/piezometer	14	27-Jan-16	15-Feb-16	24-Mar-16	12-Apr-16	46		Install recharge well/observation well/piezometer													
1061-1400	Install Dewatering System (excl IIB) - Appr. Ramp > Pier D07-D08	6	16-Feb-16	22-Feb-16	13-Apr-16	19-Apr-16	46		Install Dewatering System (excl IIB) - Appr. Ramp > P													
1061-1420	Install Dewatering System (excl IIB) - Appr. Ramp > Pier D08-D09	6	23-Feb-16	29-Feb-16	20-Apr-16	26-Apr-16	46		Install Dewatering System (excl IIB) - Appr													
1061-1440	Install Dewatering System (excl IIB) - Appr. Ramp > Pier D09-D10	6	01-Mar-16	07-Mar-16	27-Apr-16	03-May-16	46		Install Dewatering System (ex													
1061-1450	Constuction of Grout Curtain Pier D10 - D07	40	29-Jan-16	18-Mar-16	15-Mar-16	03-May-16	36		Constuction													
Structure																						
1061-1850	Move Stock Piles of Cages/Materials to Other Location - Complete (to FEHD Terr	0		23-Jan-16		23-Jan-16	0	◆ Move Stock Piles of Cages/Materials to Other Location - Complete (to FEHD Temp Carpark)														
1061-1860	Construct Retaining Wall E Pile Cap (7 nos)	28	25-Jan-16	29-Feb-16	19-Oct-16	19-Nov-16	219		Construct Retaining Wall E Pile Cap (7 no													
1061-1900	Construct Retaining Wall E Bay 1 & Portion of Wall F	18	01-Mar-16	21-Mar-16	21-Nov-16	10-Dec-16	219		Constr													
1061-1940	Construct Retaining Wall E Bay 3 & Portion of Wall F	18	01-Mar-16	21-Mar-16	12-Dec-16	31-Dec-16	237		Constr													
Landscape Deck																						
1061-1880	Construct LD Middle Pile Cap (7nos)	24	01-Mar-16	30-Mar-16	05-Dec-16	31-Dec-16	231															
10.7 - Section X - Miscellaneous Works																						
10.7.1 - TTM Stages																						
1071-1240	TTM Stage 5 - TMLG Consultation and Endorsement	0	20-Dec-15	20-Dec-15	31-Jan-18	31-Jan-18		orsement														
1071-1260	TTM Stage 5 - TTM Enabling Works	0	20-Dec-15	20-Dec-15	31-Jan-18	31-Jan-18																
1071-1280	TTM Stage 5 - Hing Fat Slip Road Divert 1 Lane through 'Bridge From Pier E4 to	0		20-Dec-15		31-Jan-18		Lane through 'Bridge From Pier E4 to Pier E2' to Release "TA2"														
11 - SECTION 11 OF THE WORKS																						
11.2 - Roadworks																						
1110-2790	Watermains at Portion XIIA - Stage 11 (motor cycle parking)	0	21-Dec-15	21-Dec-15	02-Jan-16	02-Jan-16	10		Watermains at Portion XIIA - Stage 11 (motor cycle parking)													
1110-2800	Watermains at Portion XIIA - Testing & commissioning of Watermains	4	21-Dec-15	24-Dec-15	04-Jan-16	07-Jan-16	10		Watermains at Portion XIIA - Testing & commissioning of Watermains													
1110-2810	Watermains at Portion XIIA - Reinstatement of Pavement at connection Pt.	4	26-Dec-15	30-Dec-15	08-Jan-16	12-Jan-16	10		Watermains at Portion XIIA - Reinstatement of Pavement at connection Pt.													
1110-2820	Permanent Cul-de Sac - Constr. of drainage	25	15-Mar-16	15-Apr-16	29-Mar-16	27-Apr-16	10															

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

Contract HY/2009/19

Three Months Rolling Programme (20 Dec 2015 to 19 Mar 2016)



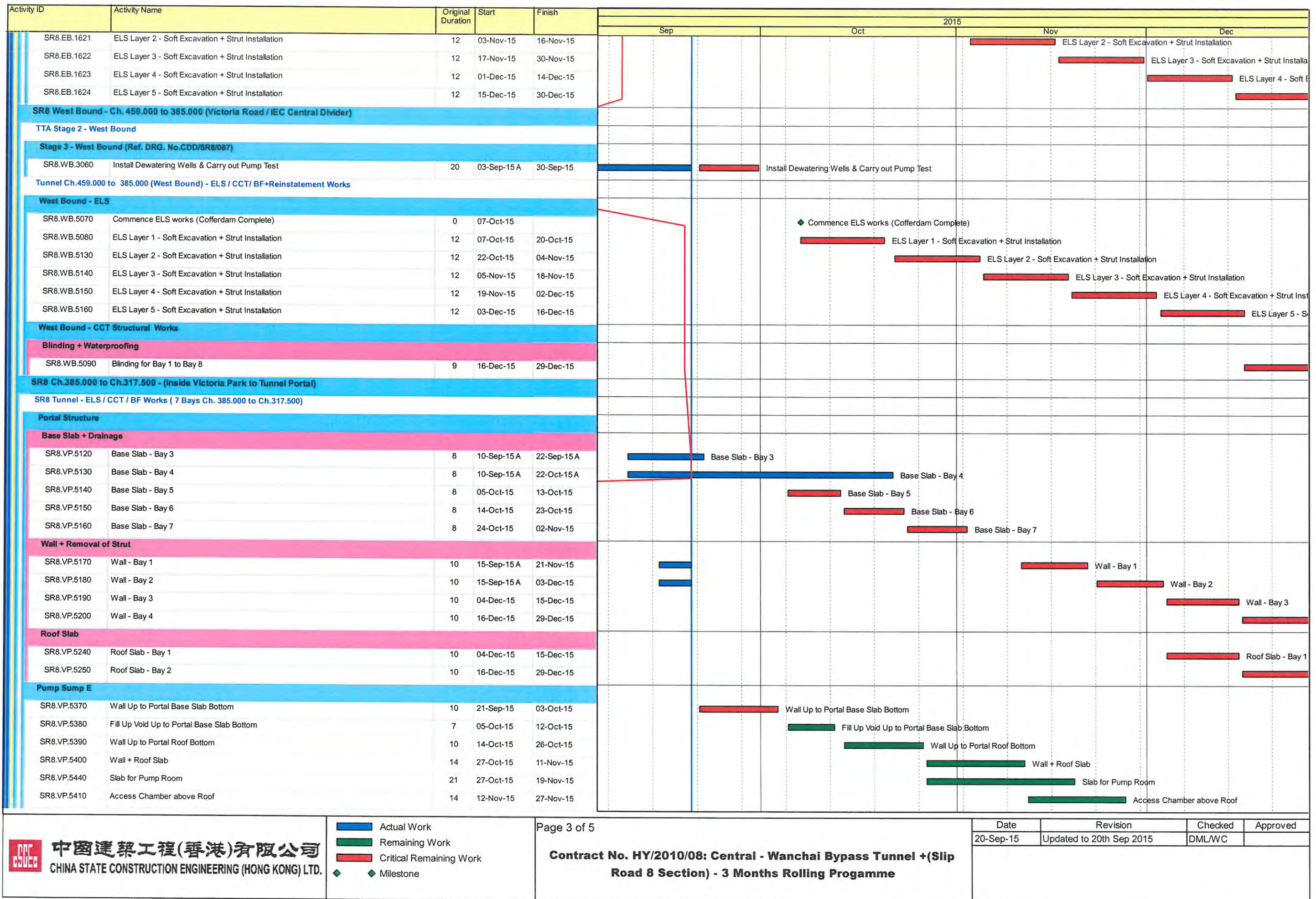
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Actual Work
Remaining Work
Critical Remaining Work
Milestone

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Contract No. HY/2010/08: Central - Wanchai Bypass Tunnel +(Slip
Road 8 Section) - 3 Months Rolling Programme

Date	Revision	Checked	Approved
20-Sep-15	Updated to 20th Sep 2015	DML/WC	



Activity ID	Activity Name	Original Duration	Start	Finish	2015											
					Sep			Oct			Nov			Dec		
SR8.VP.5450	Slab for Elec. Room	21	12-Nov-15	05-Dec-15												
Backfill & Reinstatement Works Including Removal of Struttingss																
SR8.VP.5050	Layer 3&2: Removal of Waling & Struts	7	03-Nov-15	10-Nov-15												
SR8 Ch 317.500 to Ch 210.000 - U-Structure & Slab (Victoria Park)																
RC CCT & Backfill Ch317.5000 to Ch240.000																
Structure																
Base Slab																
SR8_1812	SR8 U-structure Base slab (UBA8)	24	08-Sep-15 A	05-Oct-15												
SR8_1813	Remove SL3 - (UBA8)	14	06-Oct-15	22-Oct-15												
Wall																
SR8_1850B	SR8 U-structure Wall (UBA6-UBA7) - Stage 2	14	10-Apr-15 A	02-Oct-15												
SR8_1815A	Remove SL1 (UBA2-UBA5)	18	21-Sep-15	13-Oct-15												
SR8_1815B	SR8 U-structure Wall (UBA2-UBA5) - Stage 2	21	13-Oct-15	07-Nov-15												
SR8_2060	SR8 U-structure Wall (UBA8) - Stage 1	7	23-Oct-15	30-Oct-15												
SR8_2100	Remove SL2, 1 (UBA8)	7	31-Oct-15	07-Nov-15												
SR8_2110	SR8 U-structure Wall (UBA8) - Stage 2	7	09-Nov-15	16-Nov-15												
SR8_1950	Waterproofing Works to Wall	14	19-Nov-15	05-Dec-15												
Utility Through																
SR8_2050	Utility Trough	48	16-Nov-15	14-Jan-16												
Tsing Fung St - RW & Subway Extension & Toe Wall at Hing Fat St																
Ret. Wall & TF Subway Extension (Portion V)																
Retaining Wall RW8C at Tsing Fung Street (Portion V)																
VP_1770	Install Steel Railing on Top of RW8C	14	20-May-15 A	10-Oct-15												
VP_1390	Demolish Top Portion of Existing Wall Head and Kerb	18	05-Jun-15 A	30-Oct-15												
VP_1400	Road Formation - Subbase + Kerb + U-shape Channel	48	30-Oct-15	28-Dec-15												
Retaining Wall + Toe Wall at Hing Fat Street																
Subway Extension at Tsing Fung Street (Portion VIII)																
West Side																
VP_1375.70	Remove Soffit formwork for Roof Slab	32	17-Sep-15 A	02-Oct-15												
East Side																
VP_1375.60	Divert Pedestrain to West Side	2	03-Oct-15	05-Oct-15												
VP_1375.60.10	Excavation and Demolition (East Part) of Subway	14	06-Oct-15	22-Oct-15												
VP_1375.60.20	TFS Subway extension - Blinding and Waterproofing	8	23-Oct-15	31-Oct-15												
VP_1375.60.30	TFS Subway extension - Base slab + Drainage	21	02-Nov-15	25-Nov-15												
VP_1375.60.40	TFS Subway extension - Walls	18	26-Nov-15	16-Dec-15												
VP_1375.60.50	TFS Subway extension - Roof Slab	21	17-Dec-15	13-Jan-16												
RC Works - Toe Wall (RW8E)																
VP_6152	Construct and divert Temporary Footpath	36	20-May-15 A	23-Sep-15 A												
VP_6160	Sheet Piling and Excavation to Formation level	45	21-Sep-15	14-Nov-15												
VP_6180	Blinding layer	36	07-Dec-15	20-Jan-16												
Works in Victoria Park																
Re-Provisioning Works																
VP_1560	KD5 - Completion of Section 2 of Works (BG & Pavilion)	0		11-Dec-15												



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- Actual Work
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- ◆ Milestone

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Contract No. HY/2010/08: Central - Wanchai Bypass Tunnel +(Slip Road 8 Section) - 3 Months Rolling Programme

Date	Revision	Checked	Approved
20-Sep-15	Updated to 20th Sep 2015	DML/WC	

