Intended for

Architectural Services Department

Document type

Report

Date

November 2019

CONVERSION OF THE FORMER FRENCH MISSION BUILDING FOR ACCOMMODATION USE BY LAW-RELATED ORGANISATIONS AND RELATED PURPOSES

IEC MONTHLY AUDIT REPORT (OCTOBER 2019)

RAMBOLL

CONVERSION OF THE FORMER FRENCH MISSION BUILDING FOR ACCOMMODATION USE BY LAW-RELATED ORGANISATIONS AND RELATED PURPOSES

IEC MONTHLY AUDIT REPORT FOR OCTOBER 2019

Revision	**1.0**
Date	**11/11/2019**
Made by	**Harris Wong**
Checked by	**Ray Yan**

Approved by	**Ray Yan**

Ref	**R7083_v1.0**

Ramboll Hong Kong Limited
21/F, BEA Harbour View Centre
56 Gloucester Road, Wan Chai, Hong Kong
T +852 3465 2888
F +852 3465 2899
www.ramboll.com

CONTENTS

TABLES

FIGURES

APPENDICES

EXECUTIVE SUMMARY

Ramboll Hong Kong Limited has been commissioned by the Architectural Service Department (ArchSD) as the Independent Environmental Checker (IEC) under the Environmental Permit no. EP-518/2016 (EP) to audit the implementation of all mitigation measures and Environmental Monitoring and Audit (EM&A) programme recommended in the EP and Project Profile (Register No.: PP-535/2016) as well as to confirm in writing in the monthly audit report full implementation of the measures and EM&A programme.

Construction works were undertaken during this reporting month since 1 July 2018.

This is the 16th IEC Monthly Audit Report prepared and submitted under Condition 2.3 of the EP.

Implementation of Mitigation Measures

One site inspection was carried out by IEC on 17 October 2019 in the reporting month. The inspection finding is summarized in **Section 3.1.2**.

The status of implementation of mitigation measures is presented in **Appendix A**.

Air Quality and Noise Monitoring

Impact monitoring for air quality (1-hr TSP) and noise were required according to the Contract Particular Specification of the Project.

No Action and Limit Level exceedances of 1-hr TSP were recorded at air monitoring stations – A, B, C and D the reporting month.

No Action and Limit Level exceedances of noise were recorded at noise monitoring stations – A, B, C and D in the reporting month.

Record of Environmental Complaint, Notification of Summons and Successful Prosecution

No environmental complaint was received in the reporting month.

No notification of summons or successful prosecution was received in the reporting month.

1. INTRODUCTION

1.1 Background

1.1.1 The conversion of the former French Mission Building (FMB) for Accommodation use by law-related organisations (LROs) and related purposes, which hereinafter is referred to as the "Project", has an objective to convert the former FMB into general office accommodation and ancillary facilities with central air-condition system.

1.1.2 The Project is located at No.1, Battery Path, Central, and the Project site covers a footprint of about 1,364 m^2.

1.1.3 The purpose of the Project includes the following:

- To renovate and enhance the FMB to meet the needs of LROs and related purposes;
- To upgrade the FMB in order to comply with the prevailing statutory requirements without compromising the conservation principles; and
- To restore the Building to the French Mission era dating back in 1919 based on available records, while the history of CFA will be displayed by means of interpretation so as to enhance the understanding of the cultural significance of FMB.

1.1.4 Given the status of FMB being a declared monument under the Antiquities and Monuments Ordinance since 1989, the Project constitutes a Designated Project under item Q.1, Part I, Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO). An Environmental Permit no. EP-518/2016 (EP) has been issued to the Department of Justice (DoJ) on 26 July 2016 for the construction of the Project.

1.1.5 Department of Justice (DoJ) is the Project Proponent. The Architectural Services Department (ArchSD) is the works agent of DoJ. ArchSD will be responsible for project management, contract preparation and site supervision and will consult DoJ at all stages of the Project.

1.1.6 Ramboll Hong Kong Limited has been commissioned by the Architectural Service Department, as the Independent Environmental Checker (IEC) to audit the implementation of all mitigation measure and environmental monitoring and audit (EM&A) programme recommended in the Project Profile (PP) (Register No.: PP-535/2016) and to confirm in writing in the monthly audit report full implementation of the measures and EM&A programme in accordance with condition 2.3 of the EP.

1.1.7 This is the 16th monthly audit report summarising the findings of implementation status of the mitigation measures and EM&A programme under the Project from 1 October 2019 to 31 October 2019.

1.1.8 The site location of the Project is presented in **Figure 1**.

1.2 Project Organization

1.2.1 The contact information of key personnel is summarized in **Table 1.1**. An organization chart is presented in **Appendix B**.

Table 1.1 Contact information

Party	Position	Contact Person	Telephone	Fax
Department of Justice (DoJ)	Project Proponent	Carrie Lee	2867 4590	2520 2601
Architectural Service Department (ArchSD)	Works Agent of DoJ	Teresa Leung	2867 3964	2716 0504
Design 2 (HK) Limited	Architectural Consultant	William Lai	2525 3011	2521 8203
Ramboll Hong Kong Limited	Independent Environmental Checker (IEC)	Ray Yan	3465 2836	3465 2899
Hop Lee Builders Company Limited	Contractor	Lo Ting Fung	6223 5549	2356 9167

1.3 Construction activities

1.3.1 The construction activities undertaken in this reporting month are presented below:

- Structural steel frame:
- Steel ramp, steel staircase, lift, skylight and dog house
    - External area:
    - Surface channel, floor screeding, external wall cleaning, floor screeding at balcony and paint removal
    - Water trench and metal gate footing
    - Internal area:
    - Timber floor installation (Existing)
    - Timber floor installation (New)
    - False Ceiling
    - Wall finishing
    - Roof floor works
    - Waterproofing works for parapet wall and dome
    - Skylight cladding glass panel, dog house cladding, lift cladding and glass panel
    - Underground drainage pipe (Last manhole)
    - FS water tank testing
    - WSD main pipe connection
- FS pipe connection

1.3.2 The Construction Programme of the Project is provided in **Appendix C**.

2. AIR QUALITY AND NOISE MONITORING

2.1 Monitoring Requirement

2.1.1 Baseline and Impact monitoring for air quality (1-hr TSP) and noise were required according to the Contract Particular Specification (PS) of the Project.

2.1.2 The Baseline Monitoring for Air Quality and Noise was carried out by the Contractor for 14 consecutive days between 16 April 2018 and 29 April 2018 at 4 monitoring locations prior to the commencement of construction works of the Project according to the agreed methodology.

2.1.3 The Action and Limit Levels for impact air quality were determined from the baseline air quality monitoring result. The Action and Limit Levels for both impact air quality and noise monitoring are presented in **Table 2.4**.

2.1.4 The event and action plans for impact air quality and noise monitoring are presented in **Appendix D.**

2.1.5 Impact air quality and noise monitoring were conducted in the reporting month. **Table 2.1** summarizes the details of the parameter, frequency and duration of the monitoring.

Table 2.1 Impact Air Quality and Noise Monitoring Parameters, Frequencies and Durations

Parameter	Frequency and Duration
Air Quality	
1-hour Total Suspended Particulates (1-hr TSP)	At least 3 times in every six-days
Noise	
$L_{Aeq\ (30\ mins)}$, L_{10} and L_{90}	One set of measurement between 0700-1900 hours on normal weekdays (i.e. Monday to Saturday)

2.1.6 Impact air quality and noise monitoring in this reporting month were conducted on 4, 10, 16, 22 and 28 October 2019.

2.2 Monitoring Location

2.2.1 Four locations were proposed as the air quality and noise monitoring stations during the construction phase of the Project. **Table 2.2** summarizes the details of these monitoring stations.

Table 2.2 Locations of Impact Air Quality and Noise Monitoring Stations

Monitoring Station	Location	Type of Noise Monitoring Measurement
A	Cheung Kong Park	Free-field
B	Battery Path	Free-field
C	North corner of the Project site with the site boundary	Façade
D	West side of Battery Path	Free-field

2.3 Monitoring Equipment and Methodology

2.3.1 **Table 2.3** summarizes the equipment used to carry out the impact air quality and noise monitoring. The calibration certificates were checked by IEC in the reporting month**.**

Table 2.3 Equipment for Impact Air Quality and Noise Monitoring

Equipment	Model/Brand (Serial No.)	Calibration Certificate Expiry Date
Air Quality		
Portable direct reading dust meter	LD-5R (851817)	4 July 2020
Portable direct reading dust meter	LD-5R (851816)	22 August 2020
Portable direct reading dust meter	LD-5R (851820)	22 August 2020
Portable direct reading dust meter	LD-5R (942532)	16 April 2020
Noise		
Sound Level Meter	NTi Audio XL2 (A2A-13661-E0)	9 January 2020
Sound Level Calibrator	Rion NC-74 (34504770)	22 November 2019

2.3.2 The portable direct reading dust meter(s), sound level meter(s) and sound level calibrator(s) were calibrated annually.

2.4 Action & Limit Level

2.4.1 The Action and Limit Levels was established in accordance with the approved EM&A Manual. **Table 2.4** presents the Action and Limit Levels for air quality and noise monitoring.

Table 2.4 Action & Limit Level for Air Quality and Noise Monitoring

Monitoring Station	Action Level	Limit Level
Air Quality	**(µg/m^3)**	**(µg/m^3)**
A	296	500
B	294	500
C	293	500
D	295	500
Noise		**($L_{eq\ (30\ mins)}$, dB(A))**
A,B,C,D	When one documented complaint is received	75

2.5 Monitoring Result

2.5.1 The monitoring results for impact air quality and noise monitoring in the reporting month are summarized in **Table 2.5** and **Table 2.6** respectively.

Table 2.5 Summary of Impact Air Quality Monitoring Results in the Reporting Month

Monitoring Station	**Average, µg/m³**	**Range, µg/m³**
A	50	22 – 66
B	48	26 – 63
C	63	36 – 85
D	46	21 – 61

2.5.2 No Action and Limit Level exceedances of 1-hr TSP were recorded at air monitoring stations – A, B, C and D the reporting month.

Table 2.6 Summary of Impact Noise Monitoring Results in the Reporting Month

Monitoring Station	Average, **dB(A) (with free-field correction for A, B and D)**	Range, dB(A)		
	$L_{eq\ (30\ mins)}$	**$L_{eq\ (5mins)}$**	**$L_{10(5\ mins)}$**	**$L_{90(5\ mins)}$**
A	68	62 – 67	64 – 70	60 – 63
B	68	63 – 69	64 – 72	61 – 64
C	67	64 – 70	66 – 71	63 – 69
D	68	63 – 70	64 – 70	62 – 68

2.5.3 No Limit Level exceedance of noise was recorded at noise monitoring stations – A, B, C and D in the reporting month.

3. ENVIRONEMNTAL SITE INSPECTION AND AUDIT

3.1 Site Inspection

3.1.1 Site inspections are required to be conducted by IEC on a monthly basis to monitor the implementation of proper environmental pollution control and mitigation measures recommended in the PP of the Project as required in the EP.

3.1.2 One site inspection was carried out on 17 October 2019 in the reporting month. The finding(s) of the site inspection are described as below:

- No major observation was noted during site inspection.

3.1.3 Only hand-held power tools and hand-held manual tools were used for carrying out the internal works of the Project.

3.1.4 Cultural heritage mitigation measure set out in Sections 2.6 and 2.7 of the Project Profile were implemented in the reporting period.

3.2 Advice on the Waste Management Status

3.2.1 A billing account for disposal of construction waste was created for the Project on 9 February 2018.

3.2.2 The Project was registered as a Chemical Waste Producer on 23 February 2018.

3.2.3 According to information provided by the Contractor, No inert C&D materials were disposed in public fill. 34.78 tonnes of other non-inert C&D waste, such as general refuse, were disposed to the landfill in the reporting month, and 4.1 tonnes of metals were recycled.

3.3 Status of Environmental Licences and Permits

3.3.1 The environmental licenses and permits for the Project that were valid in the reporting month are summarized in **Table 3.1**.

Table 3.1 Summary of Environmental Licences and Permits

Permit / Licence	Reference No.	Date of Issue	Valid Thru	Status
Environmental Permit	EP-518/2016	26 Jul 2016	N/A	Valid
Notification of Works under APCO	430032	24 Jan 2018	N/A	Valid
Billing account under Waste Disposal Ordinance	7030054	9 Feb 2018	N/A	Valid
Registration as a Chemical Waste Producer	5213-123-H3927-01	23 Feb 2018	N/A	Valid
WPCO Discharge Licence	WT00031811-2018	8 Oct 2018	31 Oct 2023	Valid

3.4 Implementation Status of Mitigation Measures

3.4.1 The implementation status of mitigation measures recommended in the PP is summarized in **Appendix A**.

4. REPORT ON COMPLAINT, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTION

4.1 Record of Environmental Complaint Received

4.1.1 No environmental complaint was received in the reporting month.

4.2 Record of Environmental Quality Performance Exceedance

4.2.1 No Action and Limit Level exceedances of 1-hr TSP were recorded at air monitoring stations – A, B, C and D the reporting month.

4.2.2 No Action and Limit Level exceedances of noise were recorded at noise monitoring stations – A, B, C and D in the reporting month.

4.3 Record of Notification of Summons and Successful Prosecution

4.3.1 No notification of summons or successful prosecution was received in the reporting month.

4.4 Cumulative Statistics for Complaint, Notification of Summons and Successful Prosecution

4.4.1 Cumulative statistics of complaint, notification of summons and successful prosecution for the period from the date of commencement of construction to end of the reporting month are summarized in **Table 4.1**.

Table 4.1 Statistics for Complaint, Notification of Summons and Successful Prosecution

	Complaints	Notifications of Summons	Successful Prosecution
Within the reporting month (October 2019)	0	0	0
From the date of commencement of construction to end of the reporting month	0	0	0

5. FUTURE KEY ISSUES

5.1 Monitoring Schedule for the Coming Month

5.1.1 The tentative dates of air quality and noise monitoring for next month are 2, 8, 14, 20 and 26 November 2019.

5.2 Construction Works for the Coming Month

5.2.1 The construction works that are anticipated to be conducted in the coming month include:

- External area:
    - Surface channel, flood screeding and tile works.
- Floor screeding at balcony and paint removal
- External wall cleaning, retaining wall cleaning
- Water trench and metal gate footing
- Water meter cabinet
- Internal area:
    - Timber floor installation (New)
    - False Ceiling
    - Wall finishing
- Roof floor works
    - Waterproofing works for parapet wall and dome
    - Skylight cladding glass panel, dog house cladding, lift cladding and glass panel
- Mosaic flooring
- FS pipe connection
- FS control panel

5.3 Key Issues for the Coming Month

5.3.1 The key environmental issues to be considered in the coming month include:

- Sorting, recycling, storage and disposal of general refuse and C&D waste
- Cover stockpile of silty material to prevent silty surface runoff discharge during rainstorm events

6. CONCLUSION

6.1 Conclusion

6.1.1 The EM&A programme recommended in the PP has been undertaken since 1 July 2018

6.1.2 No environmental complaint was received in the reporting month.

6.1.3 No Action and Limit Level exceedances of 1-hr TSP were recorded at air monitoring stations – A, B, C and D the reporting month.

6.1.4 No Action and Limit Level exceedances of noise were recorded at noise monitoring stations – A, B, C and D in the reporting month.

6.1.5 One site inspection was conducted in the reporting month by IEC, and the implementation of mitigation measures by Contractor as recommended in the PP was audited.

6.1.6 No notification of summons or successful prosecution was received in the reporting month.

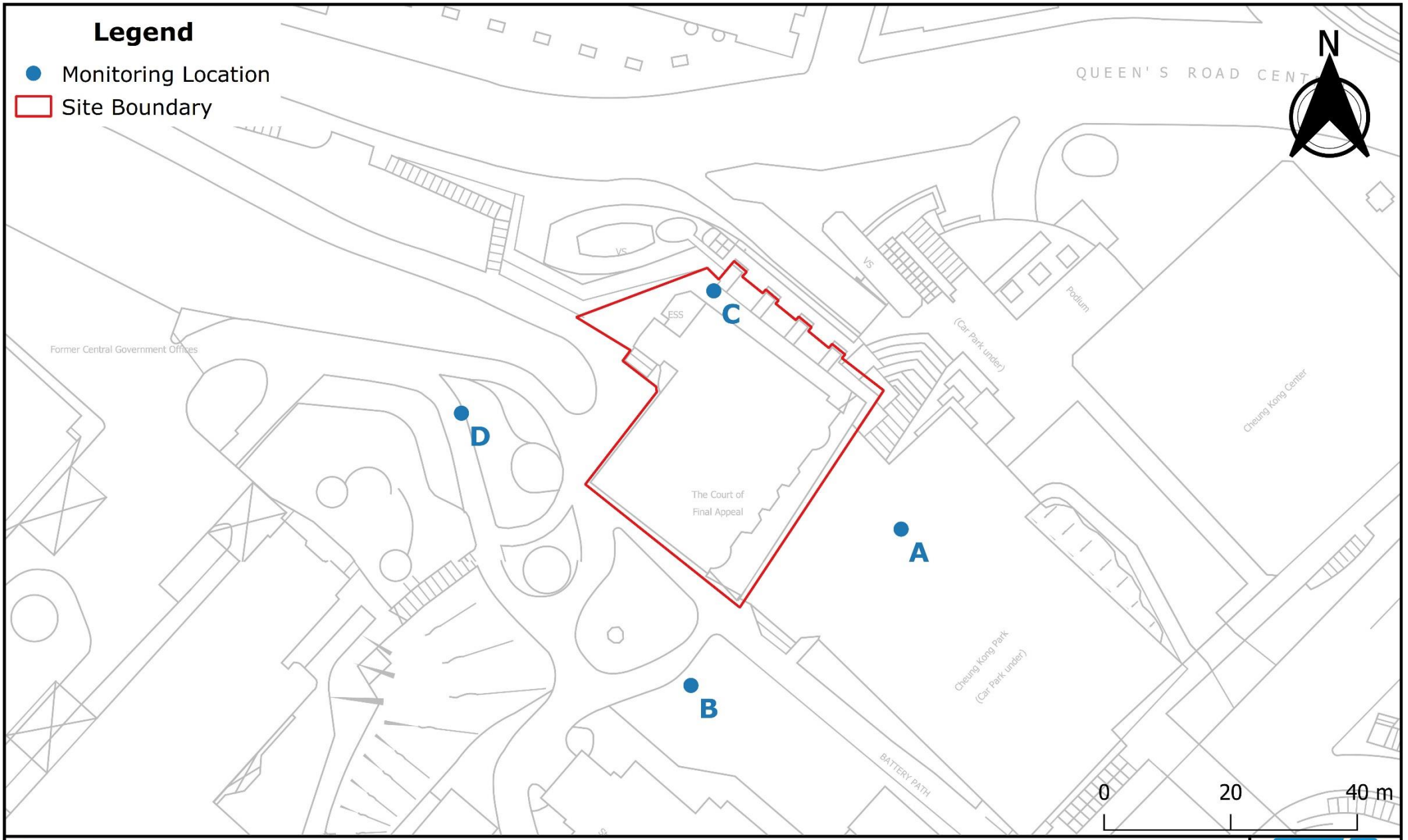


Figure: 1	RAMBOLL
Title: Site Location and the Monitoring Locations of the Project	**Drawn by:** HW
	Checked by: SC
Project: Conversion of the Former French Mission Building for Accommodation Use by Law-related Organisations and Related Poruposes	**Rev.:** 1
	Date: Jun-2018

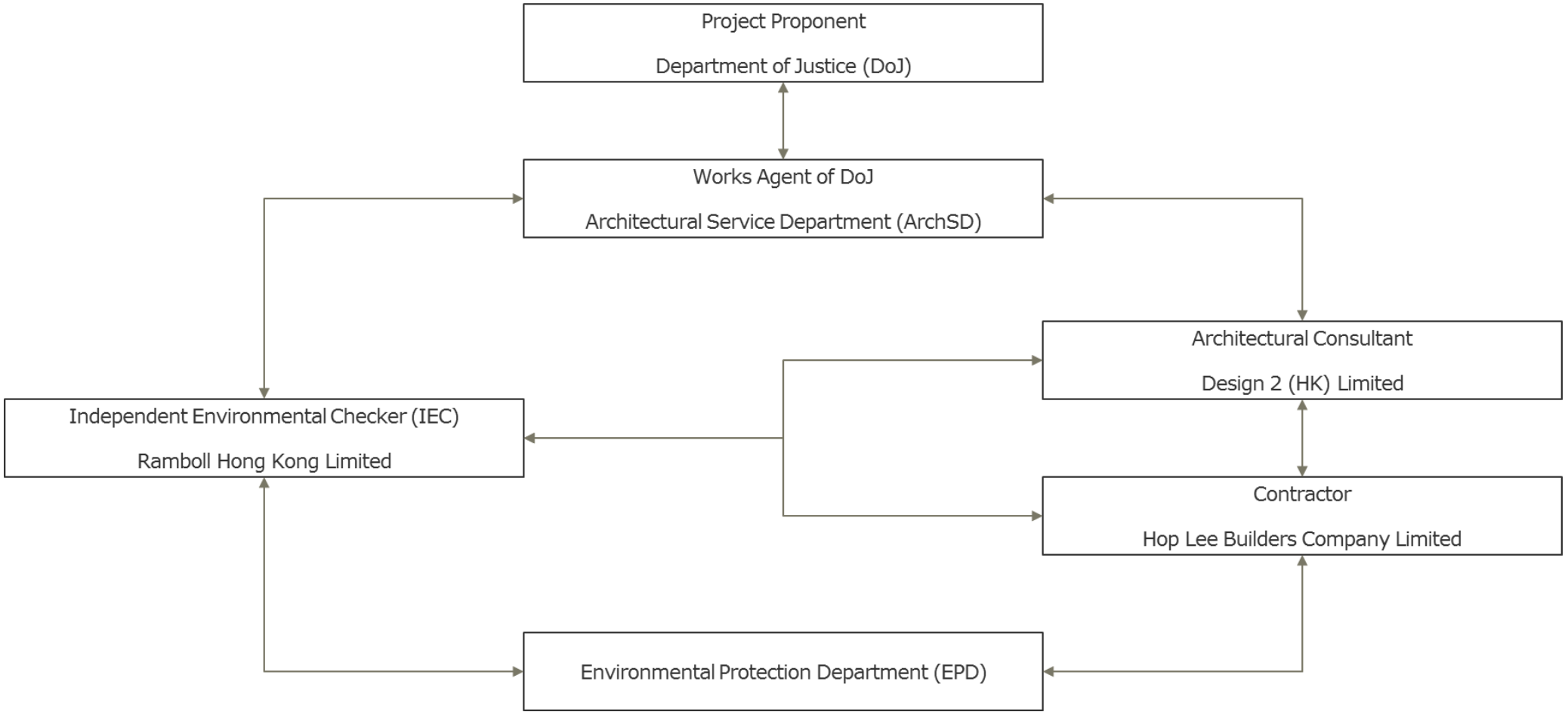
Appendix A
Summary of Mitigation Measures during Construction

Reference	Potential Environmental Impact	Mitigation Measures	Implementation Agent
Project Profile – Appendix G	Construction Noise	Common noise control measures: – Use of quiet PME with lower sound power levels – Use of temporary noise barriers – Locating noise emitting plants as far as practicable away from sensitive receivers – Define contractual clauses for construction works – No construction works will be carried out during 7 p.m. to 7 a.m. from Monday to Saturday and any time on Sundays and General Holidays General Site practices: – Only well-maintained plant should be operated on-site and plant should be serviced regularly – Silencers or mufflers on construction equipment should be utilised and should be properly maintained – Mobile plant should be sited as far away from NSRs as possible – PME that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum level – Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs – Material stockpiles and other structures should be effectively utilised, wherever practicable, in screening noise from on-site construction works – The schedule and location of noisy construction works of the Project should be well coordinated on site in order to minimise cumulative construction noise impact	Contractor
Project Profile – Appendix G	Construction Dust	Implement dust control and suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation: – Regular water spraying of exposed surfaces – Covering dusty material stockpiles with tarpaulin sheet – Erection of hoarding – Provision of covers for all trucks	Contractor
Project Profile – Appendix G	Waste Management	Implement good waste management plan and practices on minimising, handling and disposal of waste: – Handle, store and dispose of all wastes in accordance with the Waste Disposal Ordinance	Contractor

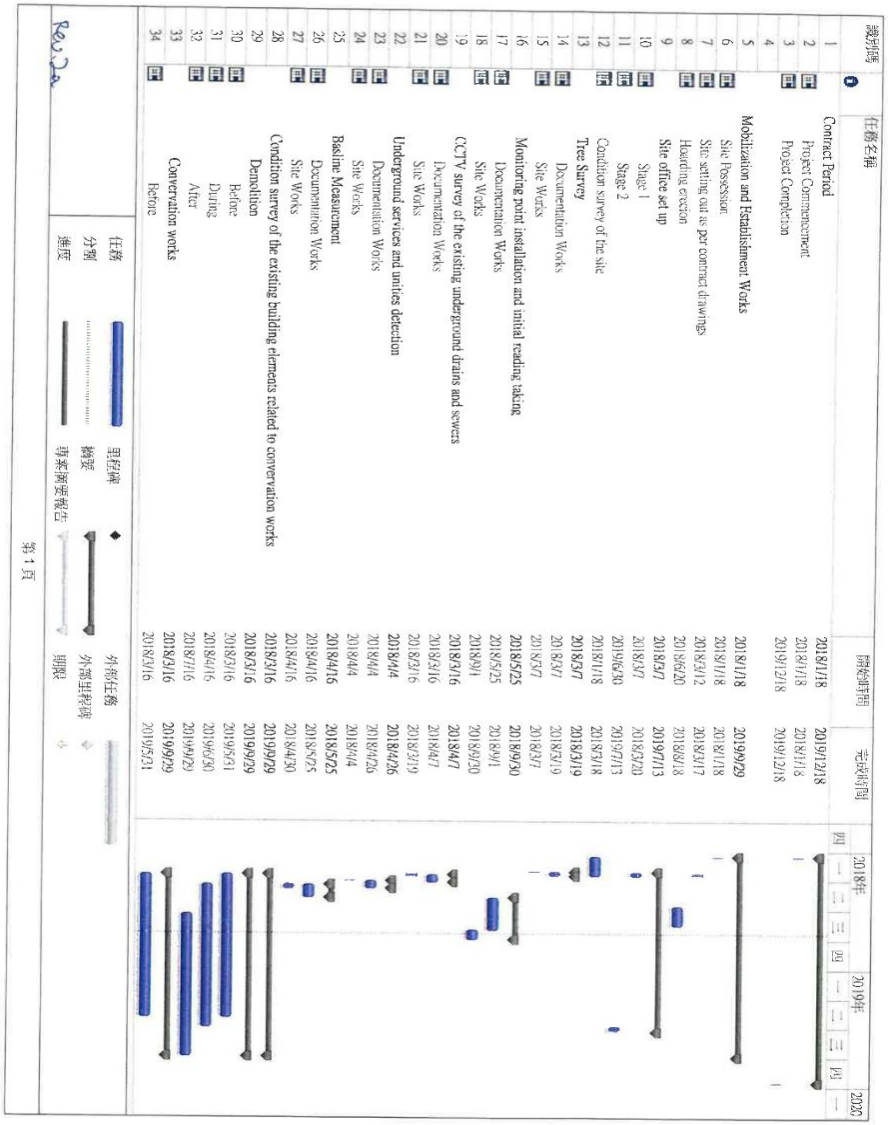
Appendix A
Summary of Mitigation Measures during Construction

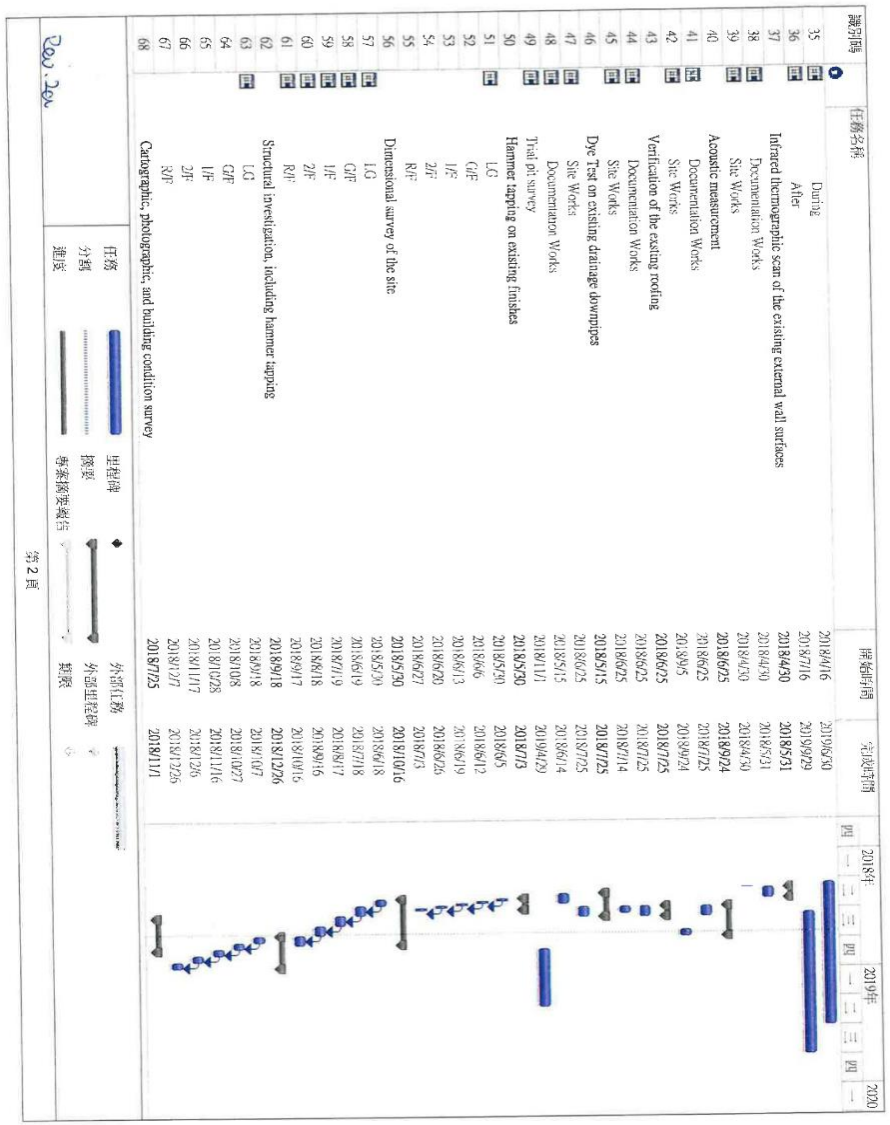
Reference	Potential Environmental Impact	Mitigation Measures	Implementation Agent
		– Handle, store and dispose of asbestos waste in accordance with all Codes of Practice regarding asbestos works issued pursuant to Section 37 of the APCO – Store general refuse in enclosed bins or compaction units separate from C&D materials and chemical wastes – Employ a reputable waste collector to collect and dispose of general refuse from the site on a daily or every second day basis	
Project Profile – Appendix G	Water Quality	Adopt site practices outlined in ProPECC PN 1/94 "Construction Site Drainage": – Provide sand/silt removal facilities to remove sand/silt particles from runoff – Inspect and maintain all drainage facilities and erosion and sediment control structures – Clean all vehicles and plant before leaving the construction site – Cover open stockpiles of construction materials or construction wastes on-site with tarpaulin or similar fabric during rainstorms – Adopt good site practices to remove rubbish and litter from construction site to prevent them from entering public sewers or drains – Deploy temporary sanitary facilities	Contractor
Project Profile – Appendix G	Landscape and Visual Impact	Landscape Impact: – Monitoring and inspection will be carried out for landscape resources during construction period – Suitable tree protection will be provided Visual Impact: – Decorative hoarding and scaffolding could be used to soften the visual impact	Contractor
Environmental Permit – Condition 2.3 and Project Profile – S 4.1.3	Cultural Heritage	Only hand-held power tools and hand-held manual tools shall be used for carrying out the internal works of the Project.	Contractor
Project Profile – S 6.2.1.3		Mitigation measure set out in Sections 2.6 and 2.7 of the Project Profile are implemented. Character Defining Elements are persevered, repaired or reinstated with minimum intervention.	Contractor

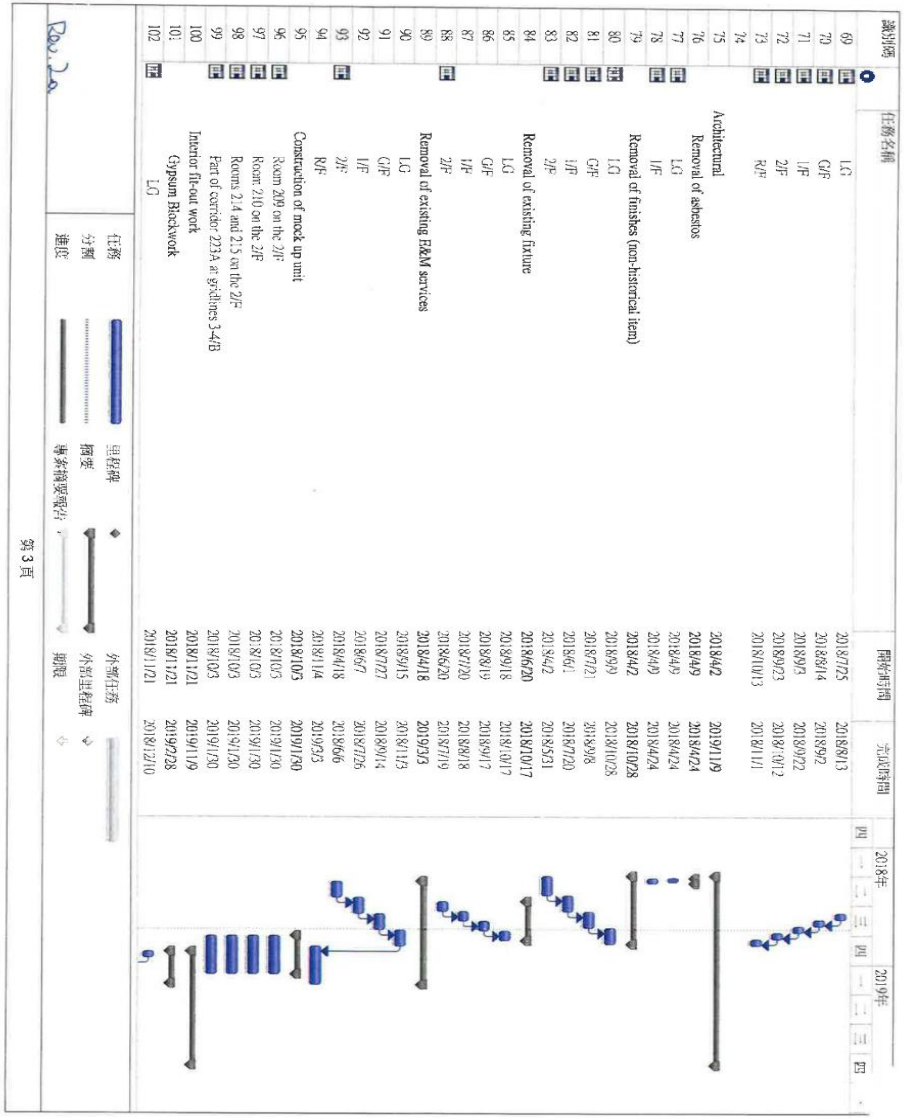
Appendix B
Organization Chart of the Project

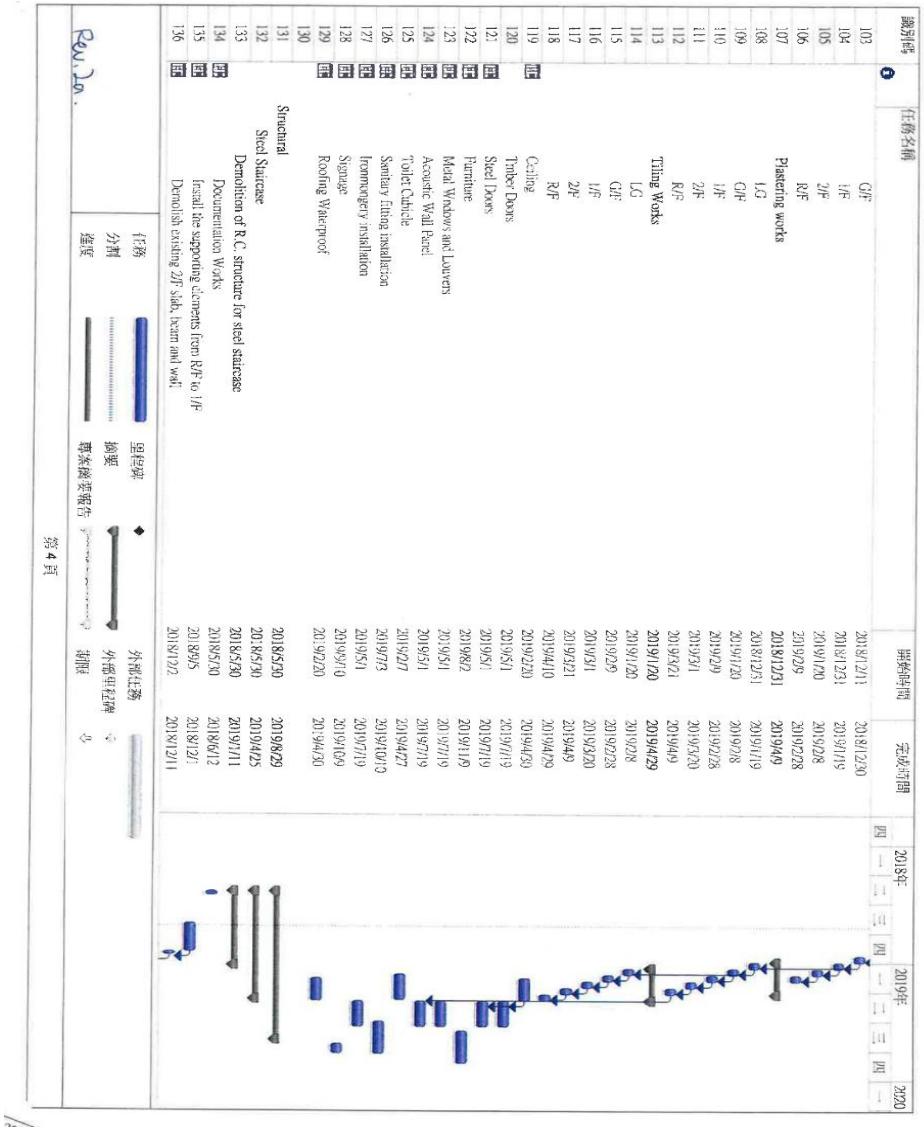


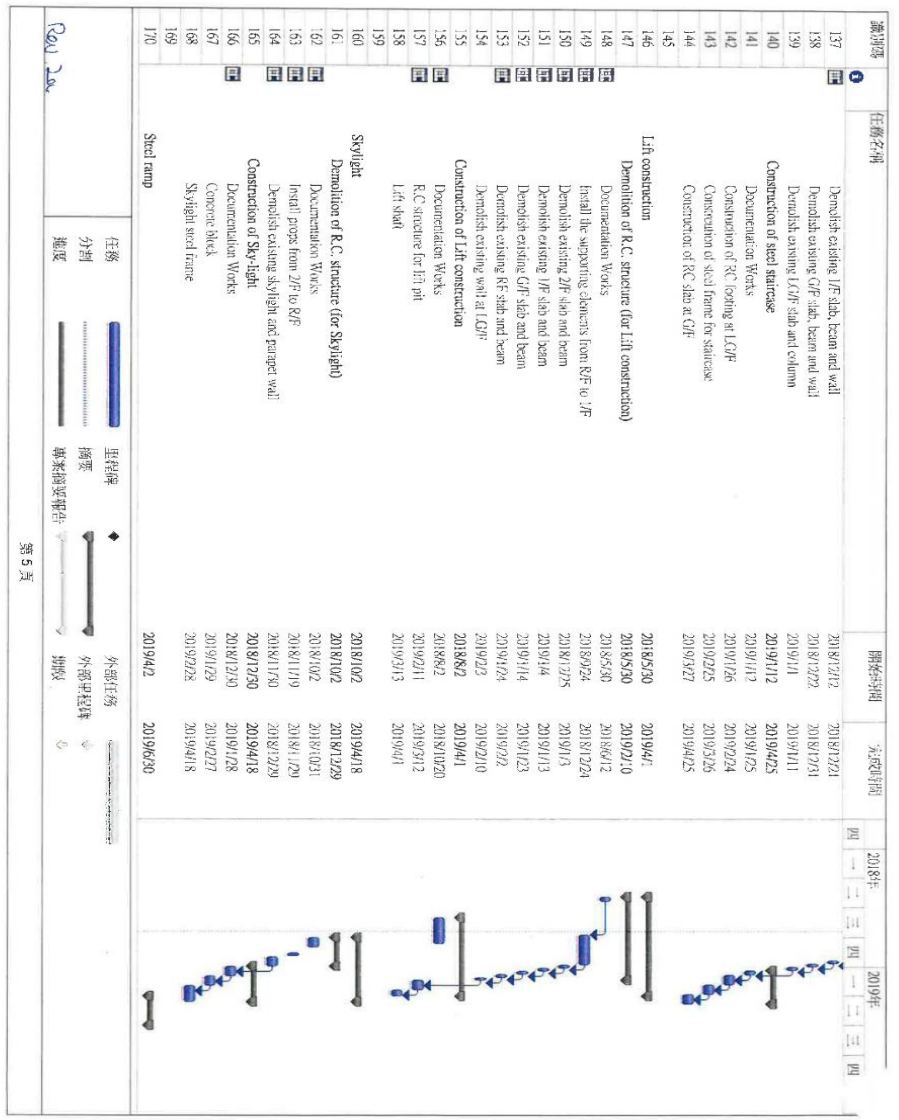
Appendix C
Construction Programme

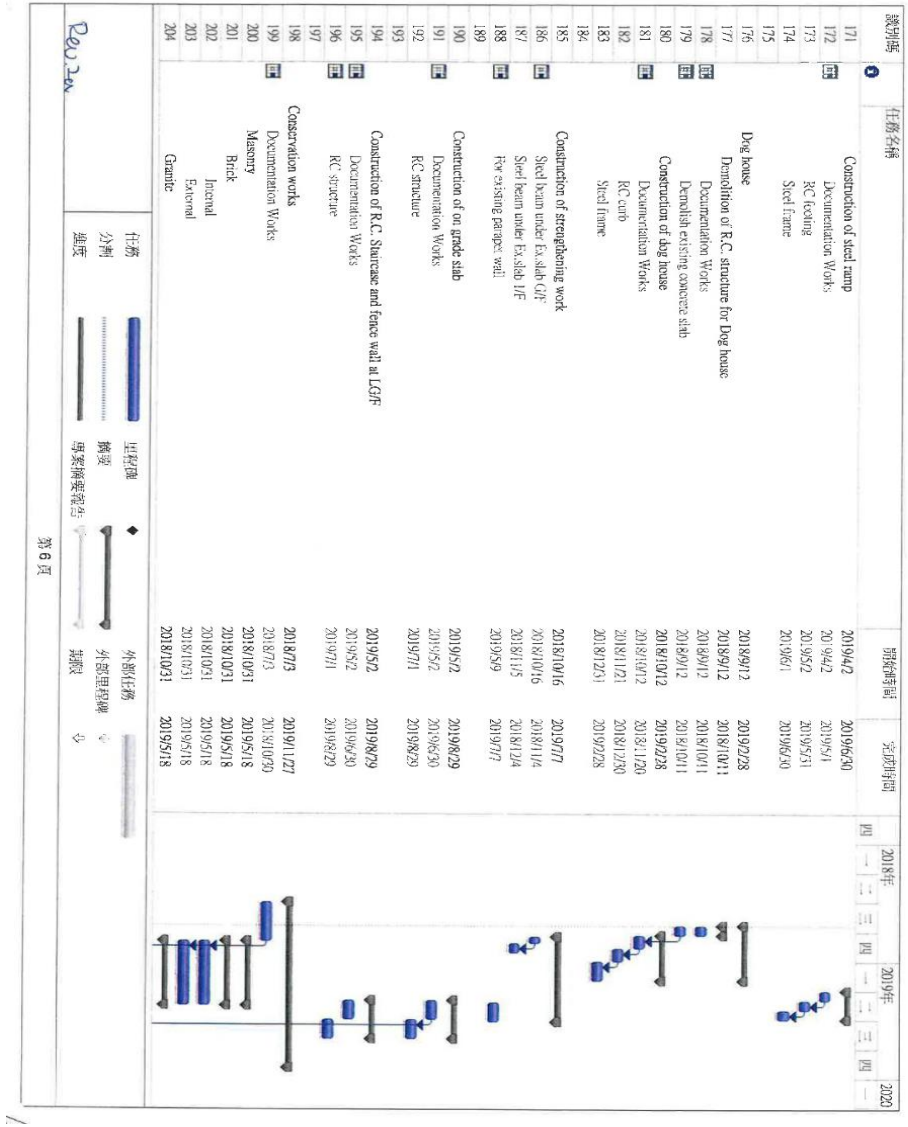




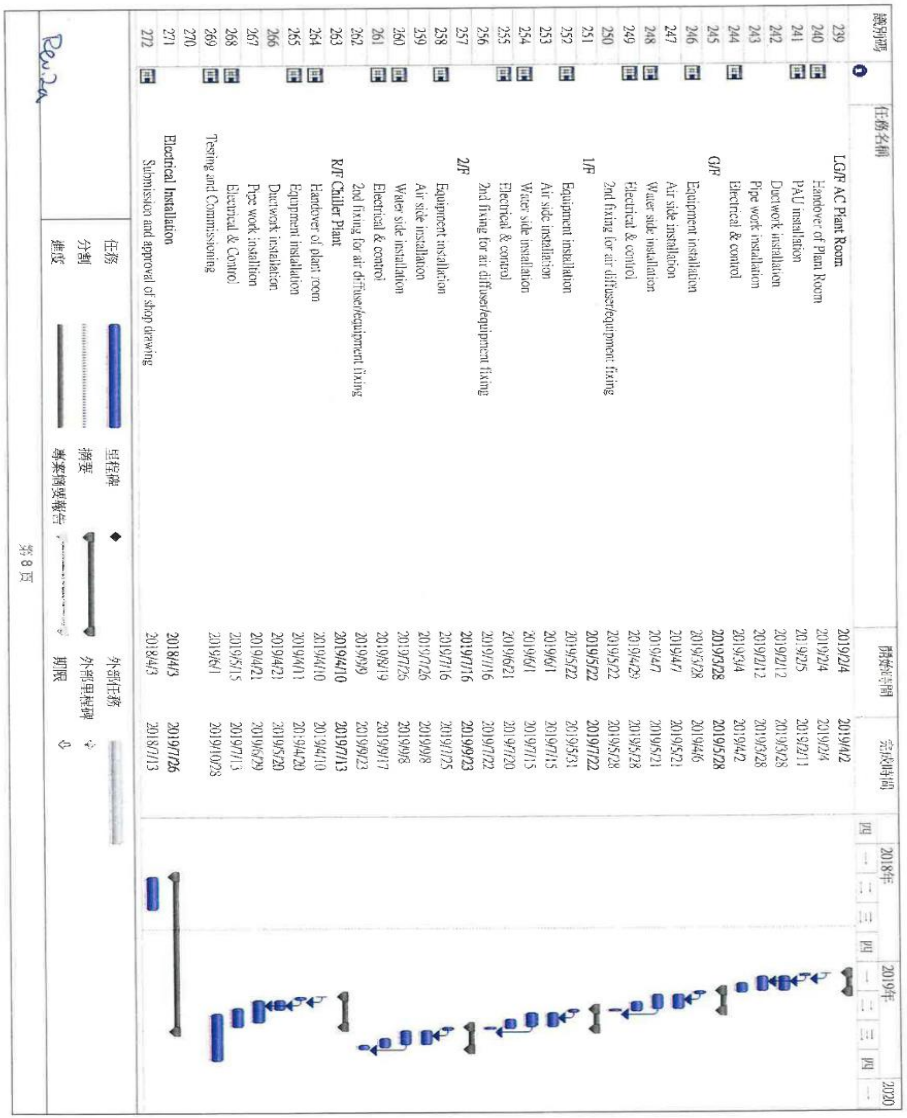


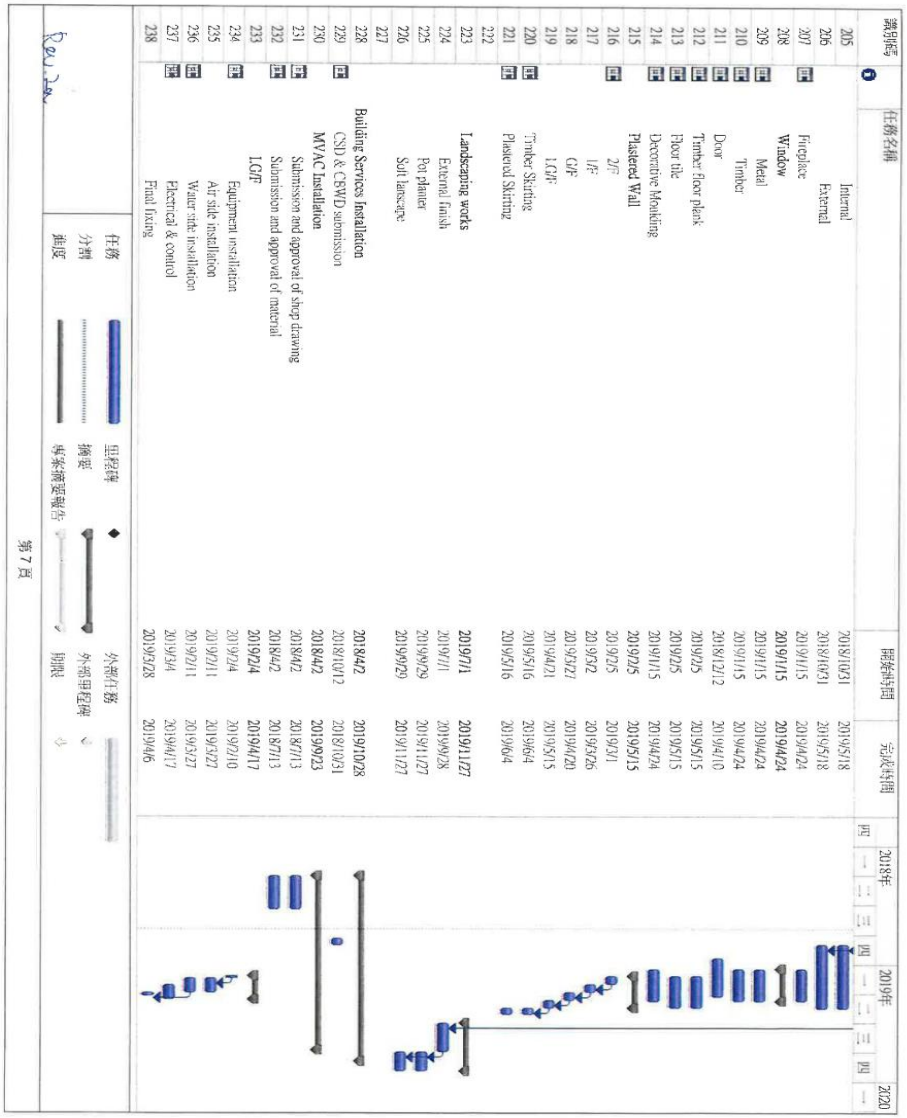


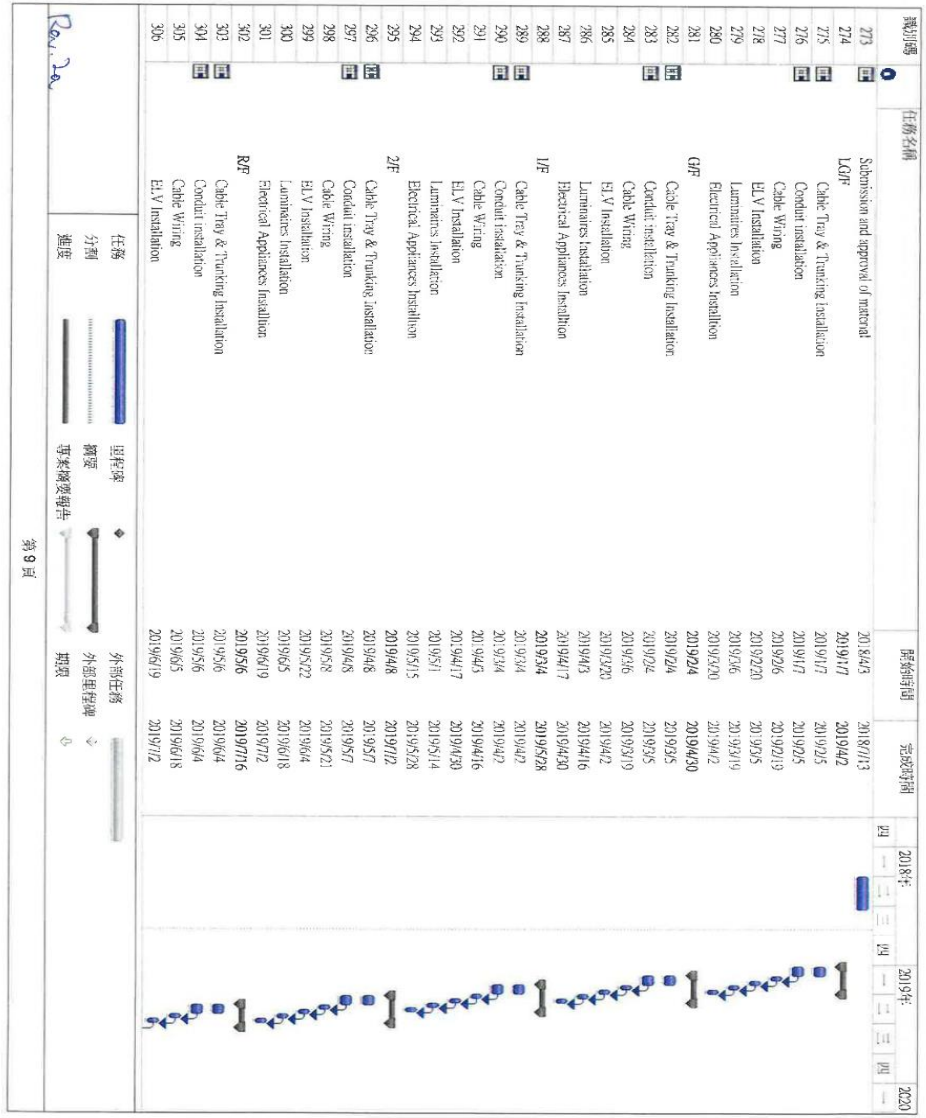


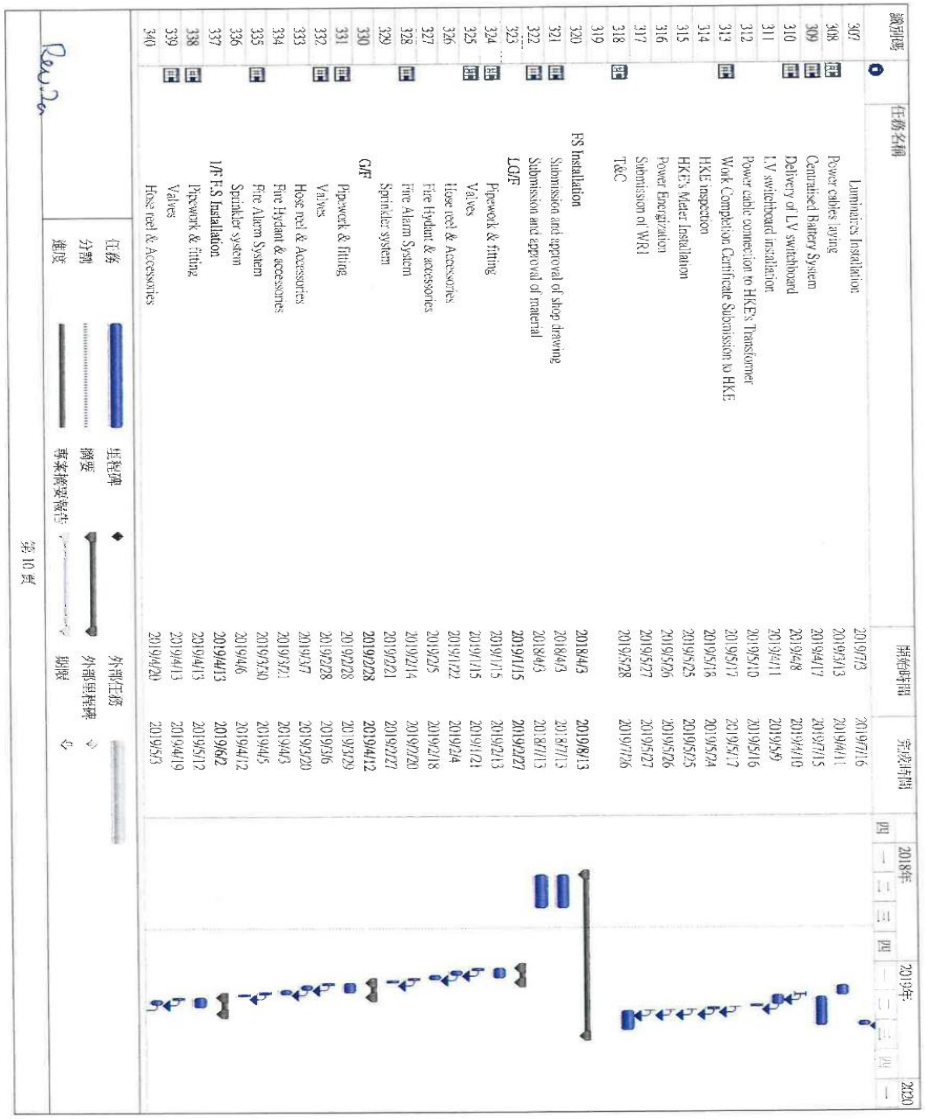


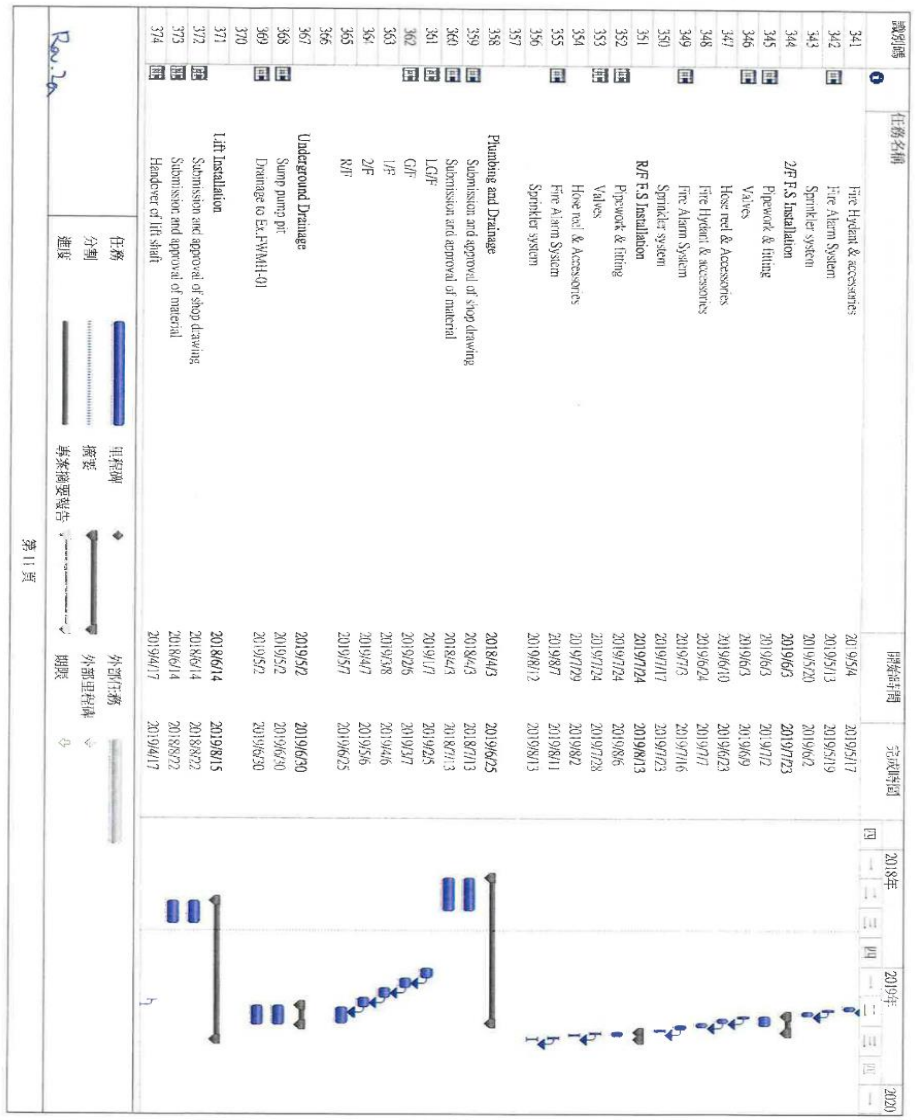
Appendix C
Construction Programme










識別碼
任務名稱
開始時間
完成時間
2018年
2019年
2020
341 Fire Hydrant & accessories 2019/5/4 2019/5/17
342 Fire Alarm System 2019/5/13 2019/5/19
343 Sprinkler system 2019/5/20 2019/6/2
344 2/F F.S Installation 2019/6/3 2019/7/23
345 Pipework & fitting 2019/6/3 2019/7/2
346 Valves 2019/6/3 2019/6/9
347 Hose reel & Accessories 2019/6/10 2019/6/23
348 Fire Hydrant & accessories 2019/6/24 2019/7/1
349 Fire Alarm System 2019/7/3 2019/7/16
350 Sprinkler system 2019/7/17 2019/7/23
351 R/F F.S Installation 2019/7/24 2019/8/13
352 Pipework & fitting 2019/7/24 2019/8/6
353 Valves 2019/7/24 2019/7/28
354 Hose reel & Accessories 2019/7/29 2019/8/2
355 Fire Alarm System 2019/8/7 2019/8/11
356 Sprinkler system 2019/8/12 2019/8/13
357
358 Plumbing and Drainage 2018/4/3 2019/6/25
359 Submission and approval of shop drawing 2018/4/3 2018/7/13
360 Submission and approval of material 2018/4/3 2018/7/13
361 LG/F 2019/1/7 2019/2/5
362 G/F 2019/2/6 2019/3/7
363 1/F 2019/3/8 2019/4/6
364 2/F 2019/4/7 2019/5/6
365 R/F 2019/5/7 2019/6/25
366
367 Underground Drainage 2019/5/2 2019/6/30
368 Sump pump pit 2019/5/2 2019/6/30
369 Drainage to Ex.FWA#14-01 2019/5/2 2019/6/30
370
371 Lift Installation 2018/6/14 2019/8/15
372 Submission and approval of shop drawing 2018/6/14 2018/8/22
373 Submission and approval of material 2018/6/14 2018/8/22
374 Handover of lift shaft 2019/4/17 2019/4/17
任務
分割
進度
里程碑
摘要
專案摘要報告
外部任務
外部里程碑
期限
Rev.1a
第 11 頁


識別碼
任務名稱
開始時間
完成時間
2018年
2019年
2020
375 Lift car installation work (including Form 5 submission) 2019/4/18 2019/8/15
376
377
378 Statutory Inspections and Licensing Issuance 2018/7/30 2019/12/18
379 WSD Submission of WWO46 Part I & II (Portable Water & F.S.) 2018/7/30 2018/7/30
380 WSD Submission of WWO46 Part IV (Portable Water & F.S.) 2019/9/13 2019/9/13
381 Inspection for Water Certificate issuance (F.S. & Portable Water) 2019/9/30 2019/9/30
382 Lift inspection by EMSD 2019/1/31 2019/10/14
383 Lift (issuance of use permit) 2019/10/30 2019/10/30
384 Submission of Form 501 and 314 2019/8/21 2019/8/21
385 Fire Service (FS) Inspection 2019/10/16 2019/10/16
386 Issuance of Fire Certificate 2019/10/30 2019/10/30
387 Inspection for SCCU 2019/11/18 2019/11/18
388 Issuance of Completion Certificate 2019/12/18 2019/12/18
389
390 Project Completion Date 2019/12/18 2019/12/18
任務
分割
進度
里程碑
摘要
專案摘要報告
外部任務
外部里程碑
期限
Rev.2a
第 12 頁

Appendix D
Event and Action Plan

Event	Action
	Air Quality
Action Level	**Step 1** • Identify source and check monitoring data and working method. **Step 2** • Notify IEC, Beam Consultant and Architectural Consultant to discuss and implement remedial action; • Rectify any unacceptable practice; • Amend working methods if appropriate; • If exceedance continues, commence additional monitoring. **Step 3** • Report the results of investigation to IEC, Beam Consultant and Architectural Consultant and notify them following correction of the situation; • Cease additional monitoring if exceedance stops.
Limit Level	**Step 1** • Identify source and check monitoring data and working method; • Notify IEC, Beam Consultant and Architectural Consultant check monitoring data working methods; • Repeat measurement to confirm finding; • If exceedance continues, commence additional monitoring. **Step 2** • Take immediate action to avoid further exceedance; • Submit proposal for remedial actions to clients/project manager within 3 working days; • Implement the agreed proposal; • If exceedance continues, amend and resubmit the proposal. **Step 3** • Notify IEC, Beam Consultant and Architectural Consultant following correction of the situation; • Submit proposal for remedial actions to clients/project manager within 3 working days; • Cease additional monitoring if exceedance stops.

Event	Action
	Noise
Action Level	**Contractor Environmental Officer** • Identify source; • Repeat measurement to confirm findings; • Notify IEC, Beam Consultant and Architectural Consultant site agent of exceedance carry out investigation; • Increase monitoring frequency to check mitigation effectiveness. **Contractor Site Agent** • Notify IEC, Beam Consultant and Architectural Consultant identification of the exceedance; • Submit noise mitigation proposals to Beam Consultant and Architectural Consultant; • Implement agreed noise mitigation proposals within time scale agreed with IEC, Beam Consultant and Architectural Consultant; • If exceedance continues, commence additional monitoring. **ArchSD** • Require Contractor to propose remedial measures; • Ensure remedial measures are properly implemented; • Assess the effectiveness of mitigation measure.
Limit Level	**Environmental Officer** • Identify source; • Repeat measurement to confirm findings; • Notify Beam Consultant and Architectural Consultant and site agent of exceedance carry out investigation; • Increase monitoring frequency; • Assess effectiveness of remedial actions and keep site agent informed of results ; • Commence additional monitoring; • If exceedance continues, commence additional monitoring. **Contractor Site Agent** • Notify IEC, Beam Consultant and Architectural Consultant of exceedance; • Take immediate action to avoid further exceedance; • Implement agreed noise mitigation proposals within time scale agreed with IEC, Beam Consultant and Architectural Consultant; • If exceedance continues, commence additional monitoring; • Submit investigation report concerning exceedance within 3 working days to client; • Submit proposals for remedial actions to Client; • Implement agreed proposals within the time scale as agreed with client; • Stop the relevant portion of works until exceedance is abated. **ArchSD** • Require Contractor to propose mitigation measures for analysed noise problem; • If exceedance continues, arrange meeting with Contractor to determine what to determine what portion of work is responsible for the exceedance; • Instruct Contractor to stop that portion of work if no other mitigation measures can be implemented until the exceedance is abated.