

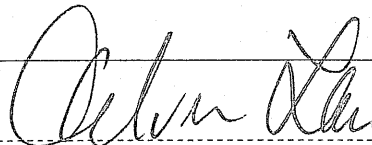
**CEDD Contract No. GE/2013/16**  
**Landslip Prevention and Mitigation Programme, 2008, Package J,**  
**Landslip Prevention and Mitigation Works in New Territories**  
**Above Leung Fai Tin along Clear Water Bay Road, Sai Kung**  
**Study Area No.: 12NW-C/SA1 (Study Area H)**

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Independent Environmental Checker (IEC)  
Monthly Audit Report No. 1  
12 February to 28 February 2014

(182663/B&V/001/Issue 1)

Report Authorized For  
Issue By:



For and on Behalf of  
Black & Veatch Hong Kong Limited





Black & Veatch Hong Kong Limited  
25/F, Millennium City 6  
392 Kwun Tong Road  
Kowloon  
Hong Kong

March 2014



B&amp;V

## Report Memorandum

<b>Project Title</b> CEDD Contract No. GE/2013/16 Landslip Prevention and Mitigation Programme, 2008, Package J, Landslip Prevention and Mitigation Works in New Territories Above Leung Fai Tin along Clear Water Bay Road, Sai Kung Study Area No.: 12NW-C/SA1 (Study Area H)		<b>Job No.</b> 182663/2000	
<b>Report Subject</b> IEC Monthly Report No.1		<b>RM Ref. No.</b> 182663/B&V/001/Issue 1	<b>Rev.</b> 0
<b>Requirements of Brief:</b>			
<b>Objectives</b> As stated in Study Brief			
<b>Method of Approach:</b> Nil			
<b>Tasks and Programme:</b>			
<b>Report Contents List:</b> Refer to contents of IEC Report			
<b>Author:</b> : Esther Tong	<b>Signed :</b> 	<b>Date :</b> 3 13 1 2014	
<b>Checker:</b> Manuel Chua	<b>Signed :</b> 	<b>Date :</b> 3 13 1 2014	
<b>Reviewer:</b> Andy Kwok	<b>Signed :</b> 	<b>Date :</b> 3 13 1 2014.	
<b>Verification:</b> Kelvin Lau	<b>Signed :</b> 	<b>Date :</b> 3 13 1 14	

Rev. 5 Oct 03 Form 668



BVHKL

# Document / Drawing / Sketch / Issue Record

Job No : 182663/2000

Draft /Issue

1

Project Title : CEDD Contract No. GE/2013/16  
 Landslip Prevention and Mitigation Programme, 2008, Package J,  
 Landslip Prevention and Mitigation Works in New Territories  
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182663/B&V/001

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**February 2014**

<b>Document Control</b>			CEDD Contract No. GE/2013/16 Landslip Prevention and Mitigation Works in New Territories	No: 182663/B&V/001/Issue 1
<b>Amendment Record</b>				<b>Prepared by:</b> B&V
IEC Monthly Audit Report No. 1 (February 2014)			Client: Kwan On Construction Co. Ltd	<b>Initials:</b> ET
				<b>Date:</b> 3 <sup>rd</sup> March 2014
<b>Pages</b>	<b>Date</b>	<b>Issue No.</b>	<b>Description</b>	<b>Initials:</b>
All	Mar 14	1	IEC Monthly Audit Report No. 1	ET

\* The Registered Recipient is responsible for destroying or marking as *superseded* all superseded documents.

CONTENTS



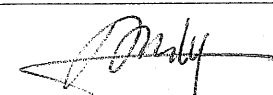
	Page
<b>1. INTRODUCTION.....</b>	<b>2</b>
1.1 Background and Project Description .....	2
1.2 Types of Designated Project.....	2
1.3 Location and Scale of Project.....	3
1.4 Organisation and Reporting Schedule .....	3
<b>2. PROGRESS OF THE CONTRACT .....</b>	<b>4</b>
2.1 Status of the Environmental Licence and Permits .....	4
2.2 Progress of the Construction Works.....	4
2.3 Summary of Site Inspection and Audit .....	4
2.4 Summary of Complaints and Prosecutions .....	5
<b>3. CONCLUSIONS.....</b>	<b>5</b>
<b>4. RECOMMENDATIONS.....</b>	<b>5</b>

**FIGURES**

Figure 1 Location Plan of the Designated Project

**APPENDICES**

Appendix A Environmental Inspection Checklist

	Name	Signature	Date
Prepared by	Esther Tong		3/3/2014
Checked by	Manuel Chua		3/3/2014
Reviewed by	Andy Kwok		3/3/2014

## **1. INTRODUCTION**

### **1.1 Background and Project Description**

- 1.1.1 Geotechnical Engineering Office (GEO) of the Civil Engineering and Development Department has identified about 2700 natural hillside catchments with a known history of landslides close to existing buildings and important transport corridors based on interpretation of large-scale historical aerial photographs. Natural hillside catchments affecting individual units of existing development are further grouped into different Study Areas designated for natural terrain hazard studies by GEO.
- 1.1.2 The natural hillside, Study Area No. 12NW-C/SA1, at Leung Fai Tin above Clear Water Bay Road in Clear Water Bay Peninsula, includes a number of hillside catchments which warrant high priority for natural terrain hazard study and mitigation actions. The location and the extent of the Study Area are shown in **Figure 1**.
- 1.1.3 The natural hillside within the Study Area has been disturbed since 1940s, and there were 3 landslides identified to have occurred on the natural hillside in 1970s. A detailed natural terrain hazard study concluded that the natural hillside within the Study Area is highly susceptible to landslide failures and the landslide debris would travel downslope and be channelised along the stream course reaching Clear Water Bay Road and the village houses at Leung Fai Tin.
- 1.1.4 Hence, natural terrain hazard mitigation works (HMW) are required at the lower portion of the Study Area (hereinafter referred to as the "Works Area") to mitigate the potential hazards arising from natural terrain open hillside landslides, boulder falls and channelised debris flows at the Study Area affecting Clear Water Bay Road and village houses at Leung Fai Tin downhill. The proposed natural terrain HMW includes erection of tensioned steel mesh fences (also known as flexible barrier), construction of masonry maintenance staircases and associated landscape treatments at the Works Area. The extent of the Works Area has been carefully considered to limit the extent of proposed works, necessary working space and the site access.

### **1.2 Types of Designated Project**

- 1.2.1 The Natural Terrain Hazard Mitigating Works at Study Area No. 12NW-C/SA 1 above Leung Fai Tin along Clear Water Bay Road, Sai Kung is referred as "Designated Project" (DP) which includes the works area of the Project falls within a Conservation Area under the approved Clear Water Bay Peninsula South Outline Zoning Plan No. S/SK-CWBS/2 and Item Q.1 Part 1 of Schedule 2 under the Environmental Impact Assessment Ordinance (EIAO). The Project Profile (Register No. PP-480/2013) was submitted for directly application of Environmental Permit (EP) on 18 March 2013. Environmental Protection Department (EPD) granted the EP (EP No.: EP-448/2013) to the GEO/Civil Engineering and Development Department (hereinafter referred to as the "Client") in 10 April 2013 to construct the Designated Project (EP) under the Environmental Impact

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Assessment Ordinance (EIAO).

- 1.2.2 According to the EP Specific Condition Clause 2.5, the Permit Holder shall employ an Independent Environmental Checker (IEC) to audit the implementation of all mitigation measures recommended in the Project Profile and the approved Landscape and Compensatory Planting Plan, and to certify in writing in the monthly audit report full implementation of the mitigation measures during and upon completion of the construction works. The IEC shall not be in any way an associated body of the Contractor of the Project.

### **1.3 Location and Scale of Project**

- 1.3.1 The proposed HMW will be constructed within the Works Area at the lower portion of the Study Area No. 12NW-C/SA1 above Clear Water Bay Road, Leung Fai Tin in Clear Water Bay Peninsula. The Works Area is located within a Conservation Area. Extent of the Works Area is approximately 6,000m<sup>2</sup> and the project comprises as follows:
- a. Erect about 250m long, 5m-6m high flexible barrier supported by vertical and raking steel bar anchors (about 120 nos.) to be drilled and installed in ground.
  - b. Construct of 300m long, 600mm wide masonry maintenance access with handrails
  - c. Provision of soft landscape works includes pit-planting of native/shrub seedlings, plant of climbers and hydroseeding.

### **1.4 Organisation and Reporting Schedule**

- 1.4.1 CEDD commissioned CH2M HILL Halcrow China Limited (CHMHC) as the Engineer. The Contractor of the Project is Kwan On Construction Co. Ltd (KOCCL). Black & Veatch Hong Kong Limited (B&V) was appointed as Independent Environmental Checker (IEC) on 10 February 2014. This Report covers the period from 12 February 2014 to 28 February 2014.

## 2. PROGRESS OF THE CONTRACT

### 2.1 Status of the Environmental Licence and Permits

2.1.1 Table 2-1 presents a summary of the status of environmental licenses and permits for this Contract.

**Table 2-1 Status of Environmental Permit**

Type of Licence	Permit/License No.	Issue Date	Covered Area	Validity	Status
Environmental Permit	EP-448/2013	10 April 2013	Study Area No. 12NW-C/SA1 above Leung Fai Tin along Clear Water Bay Road, Sai Kung	Whole Project	Valid

### 2.2 Progress of the Construction Works

2.2.1 The construction work of the Project has been commenced on 15 January 2014. During the reporting period, no construction works were being carried out during the site inspection.

### 2.3 Summary of Site Inspection and Audit

2.3.1 During the reporting period, one IEC joint site inspection among CHMHC and KOCCL was conducted on 12 February 2014. One (1) *Aquilaria sinensis* (土沉香) was found collapsed during the site audit which is not related to construction work.

2.3.2 No non-compliance and observation were identified. Therefore, follow-up action was not required. However, three reminders were provided as below:

- It is reminded that the Contractor shall provide tree tags to identified trees in particular to the protected species before commencement of construction. They are *Aquilaria sinensis* (土沉香) and *Pavetta hongkongensis* (香港大沙葉).
- Protective wrapping shall be provided when the construction works are being carried out in close proximity to the retained trees.
- According the EP Specific condition Clause 2.4, Landscape and Compensatory Planting Plan (LCPP) shall be submit at least 6 weeks before commencement of construction to EPD for approval. The LCPP was approved by EPD on 15 November 2013 (Letter reference No.: (25) in EP2/N8/Q/117 Pt.1).

2.3.3 Initial tree survey report (January 2014) showed that some portion of flexible barrier alignment was not totally in line with the original alignment proposed in the Project Profile. The Contractor was reminded to prepare and submit the revised tree felling application for approval, if necessary. The Contractor was also reminded that two rare



and precious species of Hong Kong plant species *Aquilaria sinensis* (土沉香) and *Pavetta hongkongensis* (香港大沙葉) shall be retained in-situ and properly protected during the construction phase.

#### **2.4 Summary of Complaints and Prosecutions**

- 2.4.1 No environmental complaint was recorded in the reporting period.
- 2.4.2 No prosecution was recorded in the reporting month.
- 2.4.3 No violation of the environmental permit of the Contract as listed in Table 2-1 was recorded during the reporting month.
- 2.4.4 The update statistical summary of complaint is presented in Table 2-2.

**Table 2-2 Status of Complaints and Prosecution**

Reporting Period	Complaint Statistics		Area of Concern	Validity	Status
	Number	Cumulative			
12 <sup>th</sup> Feb 2014 – 28 <sup>th</sup> Feb 2014	0	0	-	-	-

### **3. CONCLUSIONS**

- 3.1.1 During the reporting period, no construction work was carried out.
- 3.1.2 The Landscape and Compensatory Planting Plan was approved by EPD on 15 November 2013.
- 3.1.3 One (1) *Aquilaria sinensis* (土沉香) was found collapsed during the site audit on 12 February 2014 which is not related to construction work.
- 3.1.4 No environmental complaint was received in the reporting month. No summon or prosecution related to the environmental issues was made against the Project in the reporting month.

### **4. RECOMMENDATIONS**

- 4.1.1 The Contractor was reminded to implement the relevant mitigation measures as stated in the Environmental Permit and the Contract to prevent any non-compliance throughout the construction period.

## **Figure**

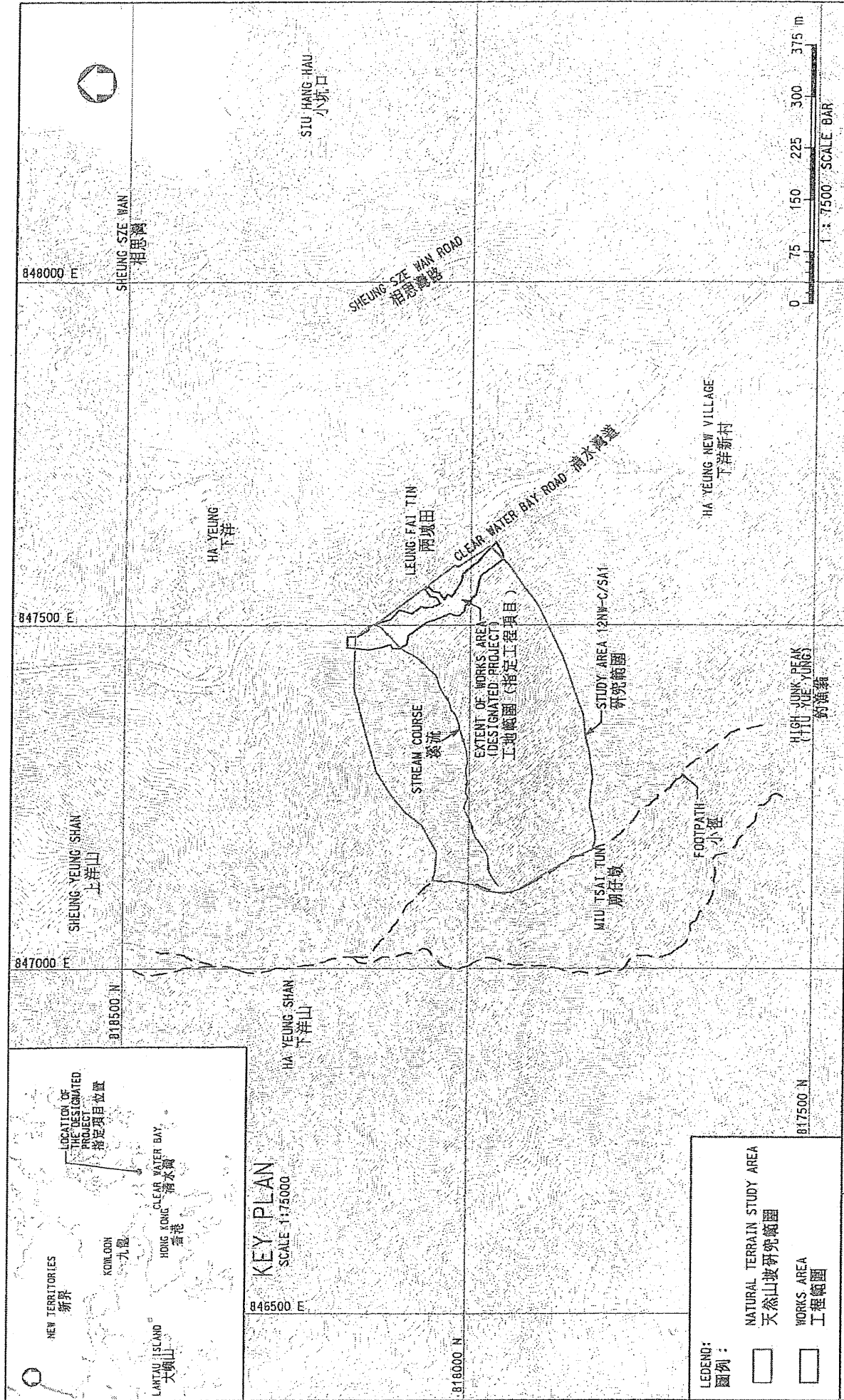


FIGURE 1  
圖一

Location Plan  
of the Designated Project  
指定工程項目平面位置圖

Title:

Agreement No. CE 37/2008 (GE)  
Landslip Prevention and Mitigation Programme, 2008,  
Package J  
顧問合約編號: CE 37/2008 (GE)  
二零零八年防止及緩減山泥傾瀉計劃第J組

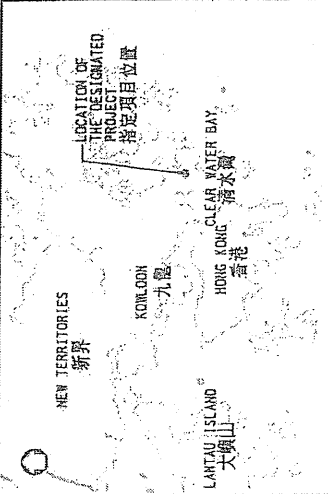
Project:

Consulting Engineer:

**Halcrow**  
Halcrow China Ltd.  
合榮中國有限公司

CIVIL ENGINEERING  
AND DEVELOPMENT  
DEPARTMENT  
土木工程拓展署

**CEDD**



KEY PLAN  
SCALE 1:75000

LEGEND:  
圖例:

	NATURAL TERRAIN STUDY AREA 天然山坡研究範圍
	WORKS AREA 工程範圍

Client:

*CEDD Contract No. GE/2013/16*

*Landslip Prevention and Mitigation Programme, 2008, Package J,  
Landslip Prevention and Mitigation Works in New Territories  
Above Leung Fai Tin along Clear Water Bay Road, Sai Kung  
Study Area No.: 12NW-C/SA1 (Study Area H)*

*IEC Monthly Audit Report No. 1  
182663/B&V/001/Issue 1  
February 2014*

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# **Appendix A**

## **Environmental Inspection Checklist**



Project: <u>Contract No. GE/2013/16</u>		Checklist Number: <u>GE/2013/16_No. 1</u>
<u>Leung Fai Tin along Clear Water Bay Road</u>		Inspected by:
<u>Study Area: 12NW-C/SA1 (Study Area H)</u>		IEC's Representative: <u>Ms. Esther Tong</u>
Inspection Date: <u>11 February 2014</u>		RE's Representative: <u>Mr. Joe Nam</u>
Time: <u>2:30 pm - 3:30 pm</u>		ET's Representative: _____
		Contractor's Representative: <u>Mr. Roy Leung</u>

**PART A: GENERAL INFORMATION**

Weather:  Sunny  Haze  Cloudy  Rainy  Fine

Temperature: 10 °C

Humidity:  High  Moderate  Low

Wind:  Strong  Breeze  Light  Calm

**Major Construction Works Observed**

The commencement date of this site is on 15 Jan 2014. No work is observed.

**PART B: SITE AUDIT**

Note:	N/A	Yes	Follow Up	N/C	Photo/Remarks
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**Section 1: Construction Noise**

Note:	N/A	Yes	Follow Up	N/C	Photo/Remarks
1.01 Are noisy equipment and activities positioned as far as practicable from the sensitive receivers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.02 Is silenced equipment adopted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.03 Is idle equipment turned off or throttled down?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.04 Are plant and equipment kept to a minimum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.05 Is parallel use of noisy equipment / machinery avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.06 Are all plant and equipment well maintained and in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.07 Are noise barriers or enclosures provided at areas where construction activities cause noise impact on sensitive receivers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.08 Are hand held breakers fitted with valid noise emission labels during operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.09 Are air compressors fitted with valid noise emission labels during operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.10 Are flaps and panels of mechanical equipment closed during operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.11 Are Construction Noise Permit(s) applied for general construction works during restricted hours?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.12 Are valid Construction Noise Permit(s) displayed on the construction site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Checklist Number: GE/2013/16\_No. 1

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
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**Section 2: Air Quality**

2.01	Are the excavated materials sprayed with water during handling?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.02	Are stockpiles of dusty materials sprayed with water, covered or placed in sheltered areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.03	Is the exposed earth properly treated within six months after the last construction activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.04	Is the surface where any drilling, cutting, polishing or breaking operation continuously sprayed with water?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.05	Are de-bagging, batching and mixing processes carried out in sheltered areas during the use of bagged cement?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.06	Are there any fencing provided along the site boundary, which adjoins areas accessible to the public?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
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**Section 3: Water Quality**

3.01	Is the discharge of turbid water avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.02	Are there proper desilting facilities in the drainage systems to reduce SS levels in effluent?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.03	Are there channels, sandbags or bunds to direct surface run-off to sedimentation tanks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.04	Are there any perimeter channels provided at site boundaries to intercept storm runoff from crossing the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.05	Are the maintenance access and/or anchor built within the stream?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.06	Are temporary exposed slopes properly covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.08	Are earthworks final surfaces well compacted or protected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.09	Are there any procedures and equipment for rainstorm protection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.10	Are the vehicle and plant servicing areas paved and located within roofed areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.11	Is the oil leakage or spillage avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.12	Are there any measures to collect spilt cement and concrete washings during concreting works?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.13	Are the oil interceptors/grease traps maintained properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14	Concreting wastes water should be neutralized below the pH Action Levels before discharge.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.15	Mobile toilets should provide on-site and located away the stream course.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.16	License collector should be employed for handling the sewage of mobile toilet.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Checklist Number:

GE/2013/16\_No. 1

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
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Section 4: Ecology

4.01	Are the maintenance access and/or anchor built within the stream?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.02	Is there any opening (at least 0.5m allowed) between the stream bed and the bottom of the flexible barrier provide?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.03	Are protected plants species are retained in-situ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.04	Is there any tree pruning to damage the preserved trees?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.05	Are all <i>Aquilaria sinensis</i> (85 nos.) and <i>Pavetta hongkongensis</i> (10 nos.) retained in-situ and fenced off?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.06	Are there any tagged provided at retained in-situ trees?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.07	Are all retained trees closed to the construction works providing protective wrapping properly to minimize the damage?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.08	Are only 25 nos. of non-protected trees are felled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.09	Are any native light standard trees provided as compensatory planting (ratio 1:3)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.10	Are the proposed compensatory trees planting native and shade-tolerant trees species according to the recommendation of Project Profile?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.11	Is the positioning the alignment has minimum 1.5m in radius away from the alignment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.12	Any induction training course to all site personnel (both supervision staff and workers) to brief the persevered trees location and importance?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.13	Any adjustment of the foundation of flexible barriers and staircases to avoid the damage of root systems of existing trees?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.14	Is there any re-vegetation area to compensate the temporary loss of 200m <sup>2</sup> (due to temporary access) understorey area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.15	Is there any re-vegetation area to compensate the permanent loss of 200m <sup>2</sup> (due to maintenance access and anchor) understorey area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
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Section 5: Landscape and Visual

5.01	Is the landscape design including the compensatory planting follow GEO Publication No. 1/2011?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.02	Is there any erecting of hoarding to minimize the unsightly construction activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.03	Is the hoarding with decorative panels with patterns of vegetation mature trees below the hoardings for nature screening) to minimize the visual impact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.04	Any utilization of existing trees located in front of the flexible barrier as natural screening?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.05	Any provision Pit-planting of native light standard trees and planting of climbers in front of the fence to provided screening effect?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.06	Is the dark colour of the flexible barrier used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Checklist Number:

GE/2013/16\_No. 1

5.07	Are the concrete footing of the anchor and the handrails along the maintenance access painted with sub-due colour as far as practical?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.08	Are the maintenance accesses apply masonry finished to blend with surroundings?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-up actions	N/A	Yes	Follow Up	N/C	Photo/Remarks
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**Section 6: Waste Management**

6.01	Has the Waste Management Plan prepared according to ETWB TC(W) No. 19/2005 and submit to Engineer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.02	Are receptacles available for general refuse collection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.03	Is general refuse sorting or recycling implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.04	Is general refuse disposed of properly and regularly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.05	Is the Contractor registered as a chemical waste producer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.06	Are the chemical waste containers properly labelled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.07	Are the chemical wastes stored in proper storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.08	Is the chemical waste storage area properly labelled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.09	Is the chemical waste storage area used for storage of chemical waste only?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.10	Are incompatible chemical wastes stored in different areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.11	Are the chemical wastes disposed of by licensed collectors?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.12	Are trip tickets for chemical wastes disposal available for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.13	Are chemical/fuel storage areas banded?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.14	Are designated areas identified for storage and sorting of construction wastes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.15	Are construction wastes sorted (inert and non-inert) on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.16	Are construction wastes reused?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.17	Are construction wastes disposed of properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.18	Are site hoardings and signboards made of durable materials instead of timber?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.19	Is trip ticket system implemented for the disposal of construction wastes and records available for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.20	Are appropriate procedures followed if contaminated material exists?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.21	Is relevant license/ permit for disposal of construction waste or excavated materials available for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.22	Site cleanliness and appropriate waste management training had provided for the site workers.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Checklist Number: GE/2013/16\_No. 1

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
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**Section 7: Licence**

7.01 Is relevant Environmental Permit posted at all vehicle site entrances/exits?     \_\_\_\_\_

**Section 8: Follow-up of the previous monthly environmental audit on date     X     (Checklist No. GE/2013/16\_No. )**

Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
8.01	Is the situation in item _____ improved / rectified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
8.02	Is the situation in item _____ improved / rectified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
8.03	Is the situation in item _____ improved / rectified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
8.04	Is the situation in item _____ improved / rectified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
8.05	Is the situation in item _____ improved / rectified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____



Checklist Number:

GE/2013/16\_No. 1

**Remarks / Observations:**

± 泥 石 (T599) was found death during site audit.  
It is not related to construction work.

**Signature:**

IEC's Representative

RE's representative

ET's representative

Contractor's representative

*Esther*

*Joe*

*G*

Name: Ms. Esther Tong

Name: Joe Nam

Name:

Name: Ray Cheung

Date: 12/12/2014

Date: 12/12/2014

Date:

Date: 12/12/2014

Checklist Number:

GE/2013/16\_No. 1

**Observation (O) or Reminder (R) during site inspection on 11 February 2014.**

**Item R1:** It is reminded that tree tags shall be provided for the trees being felled and retained trees. The numbers of retained trees for *Aquilaria sinensis* (土沉香) and *Pavetta hongkongensis* (香港大沙葉) are 85 and 10 respectively. The numbers of trees being felled are 25.

**Item R2:** Protective wrapping shall be provided when the construction works are carried out in close proximity to the retained trees.

**Item R3:** According the EP Specific condition Clause 2.4 (EP448-2013), Compensatory Planting Plan shall be submit at least 6 weeks before commencement of construction to EPD for approval. The plan shall include details of compensatory plantings and protective measures for existing trees and plants during construction. The Landscape and Compensatory Planting Plan was approved by EPD on 15 November 2013.

**Photo Record**



Photo 1: *Aquilaria sinensis* (T599) was found collapsed.

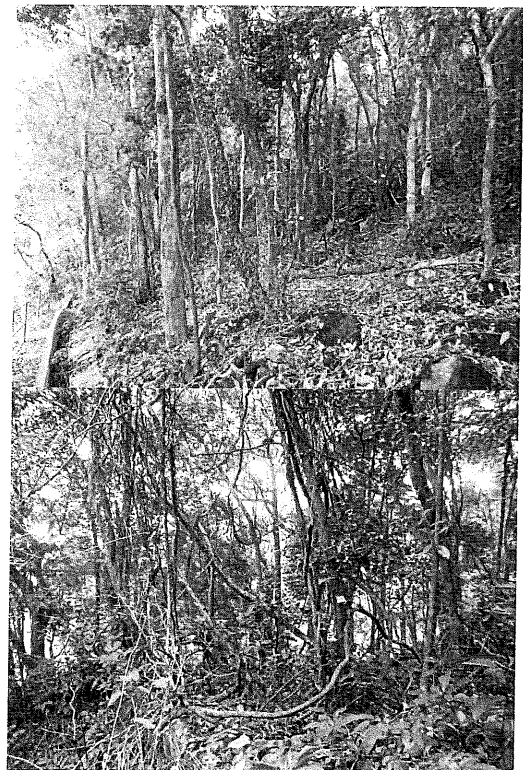


Photo 2: No construction work was observed.

