

Agreement No. CE 28/2004 (GE)
Landslide Preventive Works at Po Shan, Mid-Levels
Design and Construction
(Natural Terrain Risk Mitigation Works)

Landscape & Visual Audit and Monitoring
(Operational Phase)

Monthly Inspection Report No. 01
(January 2010)

Prepared by

URBIS LIMITED

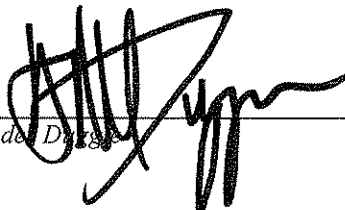
Prepared by :



Tran Tuan Huy

3rd February 2010

Approved by :



Alexander D. [unclear]

3rd February 2010

1.0 INTRODUCTION

The Landscape and Visual Audit & Monitoring are conducted to fulfill the requirements of the EIA Report during the Construction and Operational Phases of the project, and are based on the procedures and requirements as set out in the Agreement No. CE 28/2004 (GE) Landslide Preventive Works at Po Shan, Mid-Levels – Design and Construction (Natural Terrain Risk Mitigation Works) - Environmental Monitoring and Audit Manual.

As stated in section 3.5 and 3.6 of the EM&A Manual, all landscape and visual mitigation measures undertaken by the Contractor during the construction phase and the first 12 months of the operational phase shall be audited on a bi-weekly and monthly basis respectively to ensure compliance with the intended aims of the mitigation measures.

2.0 SCOPE OF AUDIT and MONITORING

The broad scope of landscape and visual monitoring and audit on mitigation measures is as detailed below:

2.1 Construction Phase

Identify any potential conflicts between the proposed landscape measures and any other project works or operation requirements, and recorded for the contractor to resolve in early stage, without compromising the intention of the mitigation measures. Also, the followings shall be monitored:

- designation of 'no-intrusion zones', and to record any trespass by the contractor, including damage to existing vegetation;
- allowance for adjustment of soil nails on site for the avoidance of tree trunks and tree roots;
- dust and erosion control for exposed soil;
- tree planting operations, checking method statement against specification requirements;
- all retained trees within the working boundary shall be regularly checked and reported to the engineer, including damage to the tree canopy edge.

Considerations shall also be made to address the appearance and view by public through:

- control over the appearance of construction workers, hoarding, construction plants / machines
- careful selection of security floodlights to avoid light pollution

2.2 Operation Phase

Ensure the compensatory planting and horticultural maintenance operations are properly carried out during the 12 months establishment period, including:

- Inspection for fungal / viral attacks and pest infestations
- Litter collection
- Watering
- Weeding removal
- Replacement of defective planting material
- Grass cutting / groundcover trimming and removal of arisings
- Fertilizing application as required in specification
- Aeration / mulching application

3.0 INSPECTION

3.1 Summary of Inspection – 26th January 2010

3.1.1 Matters Arising from Previous Inspections

- Nil.
- The Construction Phase EM&A programme had been completed on 31 December 2009 as approved by EPD. The Operation Phase EM&A programme commenced on 1 January 2010 and this is the first operation phase monthly Landscape and Visual Audit and Inspection Report for January 2010.

3.1.2 Landscape Establishment Works

- Typical site inspection photos of the hydroseeded grass and plants under establishment were enclosed under Appendix-B.
- It was observed that the hydroseeded grass germination was slower than expected (Photos 3 & 4 refers).
- The planted shrub seedlings were generally observed to have been established well in its first month, with very little dead / die-back plants found (Photos 1 to 5 refers). The Contractor was requested to inspect the plants and carry out replacement planting as necessary.
- The planted 4 nos. *Livistonia chinensis* trees were also observed to have been established well (Photo 6 refers).

3.1.3 Recommendations

- The Contractor was recommended to carry out replacement of the few dead shrub seedlings.

4.0 AUDIT SCHEULE

4.1 Audit Schedule for February 2010

The next monthly audit for the Operation Phase of the EM&A Programme is scheduled to be conducted on 23rd February 2010.