

Environmental Measures for Construction and Renovation Sites

1.0 Noise Control

- 1.1 The Contractor shall schedule works within the allowable hours in Fit-out guide and in accordance with statutory requirements.
- 1.2 The contractor is encouraged to schedule noise generating works to minimize impact to nearby noise sensitive receivers such as examination venues.
- 1.3 Construction Noise is mainly controlled under a construction noise permit system. For execution of noisy work(s) outside prescribed hours ^(Notes 01), the Contractor must possess a valid Construction Noise Permit (CNP).
- 1.4 Noise mitigation measures such as noise barriers shall be implemented to reduce impact to the campus operation. Noisy equipment shall be switched off when it is not in use.
- 1.5 The Contractor is encouraged to use Quality Powered Mechanical Equipment (QPME) to reduce noise during renovation works. Further information on quieter construction and renovation is available from Environmental Protection Department (EPD).
- 1.6 The Contractor is recommended to pre-fabricate furniture, fixtures and fittings off-site to minimize noise generated from machinery.

Notes 01 (from Environmental Protection Department):

- Using specified powered mechanical equipment or carrying out prescribed construction work in Designated Areas, or carrying out general construction work using powered mechanical equipment, from 7 pm to 7 am on weekdays, and any time on Sundays and public holidays.
- Carrying out percussive piling from 7 am to 7 pm on any day other than a public holiday.

2.0 Air Quality Control

- 2.1 Wheel-washing facilities such as high pressure water jets, wheel washing bays shall be provided at the gantry to prevent construction waste/ mud from leaving the construction site.
- 2.2 Dust-screen and periodic water spraying shall be provided when blasting works are conducted for dust suppression.
- 2.3 Low Volatile Organic Carbon (VOC) content material is preferred to high VOC content material.
- 2.4 Proper ventilation at construction and renovation sites shall be provided for the well-being of the workers therein.

3.0 Water Quality Control

- 3.1 Wastewater treatment system such as sedimentation tank should be employed before discharging the wastewater. The system shall be maintained properly.
- 3.2 The Contractor shall possess valid licenses for all discharge points if effluent is discharged from the construction site to public drains. Periodic inspection to ensure nil blockage at the drains shall be conducted.
- 3.3 Septic tanks or chemical toilets should be employed where foul water cannot be directed to proper sewer.

4.0 Energy Conservation

- 4.1 Use of energy-efficient electrical appliances and powered mechanical plant is encouraged to reduce energy use.
- 4.2 Lighting design shall avoid causing nuisance to neighbours and avoid lighting pollution as well as saving energy.

5.0 Materials Conservation

- 5.1 Natural resources are becoming scarce. Efficient use of building materials shall be considered. Use of recyclable materials shall be considered as far as practicable. Re-use of quality furniture can also be considered.
- 5.2 Treated wastewater can be reused for dust suppression within the site.

6.0 Conservation of Natural Habitat

- 6.1 The Contractor shall protect and minimize disturbance to the existing flora, fauna, wild lives, etc.

7.0 Conservation of Historical Heritage

- 7.1 The Contractor shall protect any historical heritage in the vicinity of the campus. When unidentified historical artefacts are found during the construction or refurbishment project(s), the contractor shall report to the Office of Campus Development and Management.

8.0 Waste Management

- 8.1 Construction and demolition (C&D) wastes/ general waste/ recyclable materials shall be segregated by on-site sorting.
- 8.2 Arrangement of temporary waste storage before carting away shall be in compliance with the Fit-out guide.
- 8.3 Construction and demolition (C&D) wastes shall be disposed in accordance with the requirements stipulated by Environmental Protection Department.

9.0 Asbestos

- 9.1 The investigation and abatement of asbestos shall be in compliance with the requirement stipulated by Environmental Protection Department.