Individual Assignment on "Green and intelligent recommendations for a commercial building in Hong Kong" (20% marks)

[Assignment issued : 15 Nov 2016 (Tue); Assignment to be uploaded to Moodle system latest at midnight of 29 Nov 2016 (Tue)]

Background

Lectures have been conducted on the green and intelligent aspects relating to building design, construction, operation and maintenance. Sustainable, energy efficient measures have been taught and discussed, and related green building assessment guidelines such HK BEAM PLUS for new buildings and existing buildings have also been discussed.

Buildings are to meet the needs of people, using building materials and products to respond to climatic conditions, providing safe and reasonably comfortable indoor and outdoor environments for the occupants. Meeting the needs of people, more and more buildings in Hong Kong are designed to green building guidelines, and assessed. Some of these assessed buildings are listed in HKGBC websites.

• BEAM Plus New Buildings (NB) http://www.hkgbc.org.hk/eng/NB_Intro.aspx
• BEAM Plus Existing Buildings (EB) http://www.hkgbc.org.hk/eng/EB_Intro.aspx

Individual Assignment Details

Each student is advised to select one commercial building from the list of buildings of "NB & EB Project directory" as shown below and study the content in detail.

• BEAM Plus Online Exhibition http://greenbuilding.hkgbc.org.hk/
• BEAM Plus Project Directory http://www.hkgbc.org.hk/eng/BeamPlusDirectory.aspx

Each student should visit his/her selected building and take photos and take notes on the observation of green features which are listed in the related HK BEAM PLUS guidelines. http://www.hkgbc.org.hk/eng/NB_Intro.aspx

There are usually some features listed in the related guidelines but not incorporated in the building. The student is advised to recommend some of these uninstalled features to be INSTALLED in the building in future, with some supporting reasons.

All observation notes, photos, sketches, findings, and recommendations should be complied into a report of NOT MORE THAN 20 pages A4, with Font 12 of Times New Roman, and uploaded to the Moodle system latest at midnight of 29 Nov 2016 (Tue).

References

BEAM Plus References http://www.hkgbc.org.hk/eng/BPRef-manuals_assessment.aspx
HKGBC Publications http://www.hkgbc.org.hk/eng/publication.aspx