

**Construction Industry Council**

**Committee on Environment and Technology**

Meeting No. 001/12 of the Committee on Environment and Technology for 2012 was held on 12 January 2012 (Thursday) at 2:30 pm at 15/F, Allied Kajima Building, 138 Gloucester Road, Wanchai, Hong Kong.

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Summary notes of the Committee on Environment and Technology (Com-ENT) Meeting No.001/12:

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
1.1	CIC/ENT/R/005/11	Confirmation of the Progress Report – Members of the Com-ENT confirmed the Progress Report CIC/ENT/R/005/11 of the meeting held on 5 December 2011.
1.2	---	Matters Arising from the Previous Meeting:  (i) CIC Secretariat was receiving responses from works departments on their brief status and upcoming activities of their consultancy studies on the Review of Construction Standards and would compile an updated report accordingly.
1.3	CIC/ENT/P/001/12 CIC/ENT/P/002/12	<b>Research on Establishing a Hong Kong Based Carbon Labelling Framework for Construction Materials</b>  In response to Members' comments on the presentation on the Research on Establishing a Hong Kong Based Carbon Labelling Framework for Construction Materials, HKU advised the following:  (a) The benchmark for the Carbon Rating in Carbon Label was under development.

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		<p>(b) It was clarified that the scope of this project was to determine a framework but not to work out individual carbon labels for those construction materials.</p> <p>(c) The accuracy of the carbon assessment might be improved by carbon audit and/ or assessment by independent accreditation body.</p> <p>(d) This project was to address carbon emission of construction raw materials relevant to Hong Kong's applications.</p> <p>(e) The classification of carbon emission of construction raw materials should be conducted with reference to the types and properties of the materials e.g. strength, weight, size and etc.</p> <p>(f) The scope of this project was to develop a framework for raw materials for construction industry but not for manufactured products/ semi-products.</p> <p>(g) The adoption of the carbon labelling scheme overseas was on voluntary basis and no legislation had been enacted.</p>
1.4	CIC/ENT/P/003/12	<p><b>Research on Adhesion Technologies for External Wall Tiles</b></p> <p>The Task Force would need further discussion before recommending Com-ENT if any parts or none of the Reference Manual of the Adhesion Technologies for External Wall Tiles would be published.</p> <p>Members expressed no objection to endorse on:</p> <ol style="list-style-type: none"> <li>1. Study Report and the Reference Manual</li> <li>2. Replacement of Supplementary Report by Study Brief for Phase 2 Study</li> </ol>
1.5	CIC/ENT/P/004/12	<p><b>Working Group on Building Information Modelling</b></p> <p>Ms Ada Fung agreed to be the Chairperson of Working Group on Building Information Modelling and the below organisations were recommended in the paper to join the Working Group:</p>

Agenda Item	Paper	Major Resolutions/ Progress Highlights
		<ul style="list-style-type: none"> <li>(i) Architectural Services Department</li> <li>(ii) Buildings Department</li> <li>(iii) MTRC</li> <li>(iv) Hong Kong Construction Association</li> <li>(v) Hong Kong Institute of Architects</li> <li>(vi) Hong Kong Institute of Surveyors</li> <li>(vii) Hong Kong Institution of Engineers</li> <li>(viii) Hong Kong Institute of BIM</li> <li>(ix) Polytechnic University</li> <li>(x) University of Hong Kong</li> <li>(xi) The Real Estate Developers Association of Hong Kong or their member</li> <li>(xii) The Association of Architectural Practices</li> <li>(xiii) The Association of Consulting Engineers of Hong Kong</li> <li>(xiv) Highways Department (Development Bureau would assist in the invitation)</li> </ul> <p>Members hoped that the task would preferably be completed in 6 – 9 months’ time.</p>
1.6	CIC/ENT/P/005/12 CIC/ENT/P/006/12 CIC/ENT/P/007/12	<p><b>Research on River Sand Substitutes for Concrete Production and Cement Sand Mortar Production (Phase One)</b></p> <p>The progress of the work of the Research on River Sand Substitutes for Concrete Production and Cement Sand Mortar Production (Phase One) was on schedule. After reviewing the Inception Report and the subsequent deliberation, the Task Force had the following views:</p>

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		<p>(a) the area of focus in the research should be the production of “Cement Sand Mortar” in view of the substantial quantity currently used in the industry;</p> <p>(b) limited laboratory test would be performed to verify the arguments stated in the study report;</p> <p>(c) a technology roadmap that set out the expected direction for the next three years would be preferable.</p> <p>Members agreed that the proposed substitutes should be marketable in terms of pricing and stability of supply. Besides, impact on productivity such as labour hours required and on workmanship should also be considered.</p>
1.7	CIC/ENT/P/008/12	<p><b>Working Group on Strategic Implementation of Prefabrication ad Modular Construction</b></p> <p>The Working Group on Strategic Implementation of Prefabrication and Modular Construction would strive to complete the discussion within three to four meetings. The discussion would cover the scope and areas of the application, driving forces of the adoption in terms of productivity, cost, quality, site safety, environmental, government support, legislation, views of stakeholders and creativity; the constraints on the usage in respect of technical and spatial aspects, safety, transportation, social impact, regulations, planning and views of stakeholders.</p> <p>Members noted that some stakeholders might consider the precast unit casting yard should be situated in Hong Kong instead of Mainland China though it was understood that there was spatial concern in Hong Kong.</p>
1.8	CIC/ENT/P/009/12	<p><b>Proposed Research Policy</b></p> <p>The revised proposed Research Policy was ready and would be circulated to Members, after the meeting, for their review and comment.</p>

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1.9	CIC/ENT/P/010/12	<p data-bbox="698 360 1630 395"><b>Environmental Alert for Transportation of Construction Waste</b></p> <p data-bbox="698 440 2089 515">Members reviewed the proposed “Environmental Alert” on Overloading of Dump Truck and Transportation of Construction Waste and their comments were as follows:</p> <ul style="list-style-type: none"><li data-bbox="698 560 2089 635">(a) the target audience of the alert should be the working level personnel of the construction industry;</li><li data-bbox="698 643 2089 718">(b) the presentation should be eye-catching and easy to read; more graphic and lesser words were preferable;</li><li data-bbox="698 726 1285 761">(c) simpler disclaimer was suggested;</li><li data-bbox="698 769 1603 804">(d) content should include maximum penalty for the offence.</li></ul>
1.10	---	<p data-bbox="698 847 981 882">Any Other Business</p> <ul style="list-style-type: none"><li data-bbox="698 927 2089 1002">(i) The terms of office for Co-opted Members and some of the CIC Members would expire by 31<sup>st</sup> January 2012.</li><li data-bbox="698 1010 2089 1085">(ii) Owing to the heavier engagement in HKGBC, the Chairman had resigned his chairmanship of Com-ENT.</li></ul>