

**Construction Industry Council**

**Committee on Environment and Technology**

Meeting No. 002/12 of the Committee on Environment and Technology for 2012 was held on 29 March 2012 (Thursday) at 2:30 pm at 15/F, Allied Kajima Building, 138 Gloucester Road, Wanchai, Hong Kong.

---

Summary notes of the Committee on Environment and Technology (Com-ENT) Meeting No.002/12:

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
2.1	CIC/ENT/R/001/12	Confirmation of the Progress Report – Members of the Com-ENT confirmed the Progress Report CIC/ENT/R/001/12 of the meeting held on 12 January 2012.
2.2	---	Matters Arising from the Previous Meeting:  (i) Members endorsed the design options of Environmental Alert for Overloading of Dump Truck and Cleanliness During Transportation of Construction Waste. The Secretariat will proceed with the printing and distribution to stakeholders subject to subsequent approval of the Council.
2.3	CIC/ENT/P/010/12	<b>Research Proposal – Dynamic Performance Evaluation of Zero-Carbon Building in Hong Kong</b>

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
		<p>The researcher presented their proposal and would seek for CIC's funding support for this proposal. Members' views on the proposal were summarised as below:</p> <ol style="list-style-type: none"><li>1. the study was proposed to be commenced after the Zero-Carbon Building is operated for a certain period of time and given that the systems in the building have been stabilised and finetuned;</li><li>2. the study would better be initiated by the CIC so that the scope of the study and deliverables can be tailored to the need of CIC and the relevant industry;</li><li>3. it is more preferable for the CIC to define the required scope and work out the schedule of the study.</li></ol> <p>The Secretariat would raise this proposal to Strategic Planning Committee for their further discussion.</p>
2.4	CIC/ENT/P/011/12	<p><b>Proposed Nomination of Co-opted Members from Feb 2012 to Jan 2014</b></p> <p>As attached in Annex A, the proposed Co-opted Members and organisations to be invited for nominations had been circulated to Members on 29 Feb 2012 and no comments were received.</p> <p>As Mr. T. T. CHEUNG has declined to be the chair of the Task Force on Research Activities, a replacement would be identified as the new chair of the task force and HKIS would be invited to nominate a Co-opted Member.</p> <p>In view of its function to promote innovation in environmental technologies, Chairman suggested</p>

Agenda Item	Paper	Major Resolutions/ Progress Highlights
		extending the invitation to include members of Zero Carbon Building after its establishment of the Board of Directors.
2.5	CIC/ENT/P/012/12 CIC/ENT/P/013/12	<p><b>Research on Establishing a Hong Kong Based Carbon Labelling Framework for Construction Materials</b></p> <p>The proposed mechanism of benchmarking and implementation strategies and measures were discussed on 24<sup>th</sup> February 2012. The researcher would submit the draft Final Report and Summary Report; and finalised both reports by end of April and June respectively.</p>
2.6	CIC/ENT/P/014/12	<p><b>CIC Research Policy</b></p> <p>Members endorsed the Research Policy in principle. However, the policy would be revised as per following minor comments:</p> <ol style="list-style-type: none"> <li>1. <b>Section 6.c.i</b> – CIC should invite research proposals twice a year, in March and September respectively aiming to facilitate CIC’s annual and mid-year budget plan.</li> <li>2. <b>Section 6.c.iii</b> – The research proposal page limit should be increased from 4 pages to 6 pages.</li> <li>3. <b>Section 6.e.i</b> – The processing time table should be revised to give a time limit.</li> <li>4. <b>Section 7.d.v</b> – It should be made clear that CIC shall own all the intellectual property rights arising from the CIC funded projects (no matter full funding or partial funding). If the associated intellectual property rights are partly attributed to the Research Institute’s previous work not funded by CIC, the ownership of the intellectual property rights shall be discussed and agreed between CIC and the research institutes on a case by case basis.</li> </ol> <p>The Secretariat would seek approval for the policy from Com-ANF.</p>

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
2.7	CIC/ENT/P/015/12	<p><b>Research on River Sand Substitutes for Concrete Production and Cement Sand Mortar Production (Phase One)</b></p> <p>HKU submitted Progress No.2 and would conduct some laboratory tests without additional cost though it is beyond the scope of works.</p> <p>Chairman of the Task Force advised that instead of conducting a comprehensive study to develop standards or specifications for various river sand substitutes in the production of mortar, the task force should focus more specifically on identifying potential alternatives and analysing their practicability, price, quality, performance and expected level of adoption in the market.</p>
2.8	CIC/ENT/P/016/12	<p><b>Working Group on Strategic Implementation of Prefabrication and Modular Construction</b></p> <p>A site visit to a prefabrication yard was made on 9 March 2012 to help task force members understand and keep abreast of the working conditions and environment in prefabrication yard.</p> <p>The discussions in the Working Group were mainly focused on the pros and cons of using prefabrication and modular construction. Members reminded that the scope of the discussions should not limit to concrete modular, modular construction of E&amp;M and building services should also be discussed.</p>
2.9	CIC/ENT/P/017/12	<p><b>Research on Adhesion Technologies for External Wall Tiles</b></p> <p>Task Force Members' views were diversified with regard to the publication of the research documents and were summarised below:</p>

Agenda Item	Paper	Major Resolutions/ Progress Highlights
		<p><u>Reference Document</u> No consensus could be reached on the publication of the Reference in Task Force. It was recommended to consider either “issuing the full Reference Document” or “not to issue at all” and should not merely issue only part of the Reference document.</p> <p><u>Study Report</u> In order to conclude the research and allow the public to assess the research outcome for reference, Task Force Members had come up with a general consensus that a full Study Report would be issued to the public as a study report would not reveal any position of CIC on the subject matter.</p> <p>However, after a long deliberation at the meeting, Com-ENT Members’ views were still diverse. The subject would be further discussed at the next Com-ENT meeting.</p>
2.10	CIC/ENT/P/018/12	<p><b>Report Update on Migration from British Standards to Eurocodes</b></p> <p>DevB expressed that the current migration plan was scoped to “design” only whereas there was no plan to the migration of “material” and “testing” up till. However, DevB noted that design specification to the material used might be adjusted accordingly. DevB also mentioned that the Government Laboratory is undergoing the review of the impact due to the adoption of Eurocodes.</p> <p>Chairman suggested that CIC should make a formal note to DevB about the Industry concern on the migration especially the salient points in the adoption of Eurocodes during the construction stage. Also, DevB was suggested to work out with the Industry a road map of the migration so as to ascertain the migration plan of the Government.</p>

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
		Members had no objection in principle to publish the update report to the public. Subject to the subsequent approval of the Council, the Secretariat would proceed with the publication.
2.11	CIC/ENT/P/019/12	<b>Working Group on Building Information Modelling</b>  Members endorsed the membership of the proposed Working Group.
2.12	CIC/ENT/P/020/12	<b>Outcomes of a HK\$25 Million Industry University Research Collaboration</b>  Members' support was sought to encourage more collaborative efforts between academics and the business sectors to facilitate practical oriented research being moved faster and to cater for the needs of the industry. The programme of Industry University Research Collaboration was set an example towards the collaboration.
2.13	---	Any Other Business  Nil

**Construction Industry Council**

**Committee on Environment and Technology**

**Proposed Co-opted Members**

A. Re-appointment

Mr. Derrick PANG	Chairman of Working Group on Strategic Implementation of Prefabrication and Modular Construction
Mr. HO Wai Wah	Chairman of Task Force on River Sand Substitutes
Mr. Jimmy CHAN	Development Bureau
Mr. Dan FUNG	Environmental Protection Department

B. Nomination from Organisation

Hong Kong Institute of Surveyors  
Hong Kong Construction Association  
The University of Hong Kong  
Construction Site Workers General Union  
Hong Kong Construction Industry Employees General Union  
The Hong Kong Federation of Electrical and Mechanical Contractors

C. Term of Office

- (i) As endorsed by the CIC, Co-opted Member holds office for a period not exceeding 2 years and is eligible for reappointment to the same committee on the expiry of his/her term of office, but may not serve as such a member continuously for more than 6 years.
- (ii) The term of office of the above Co-opted Members, if appointed, is up to 31 January 2014.