

Construction Industry Council

Committee on Environment and Technology

Meeting No. 004/10 of the Committee on Environment and Technology for 2010 was held on 24 August 2010 (Tuesday) at 2:30 pm at Hong Kong Construction Association, 16/F, 180 – 182 Hennessy Road, Wanchai, Hong Kong.

Summary notes of the Committee on Environment and Technology (Com-ENT) Meeting No.004/10:

Agenda Item	Paper	Major Resolutions/ Progress Highlights
4.1	CIC/ENT/R/003/10	Confirmation of the Progress Report – Members of the Com-ENT confirmed the Progress Report CIC/ENT/R/003/10 of the meeting held on 2 July 2010.
4.2	---	Matters Arising from the Previous Meeting: (i) Construction product certification – the Housing Department would provide Members with a presentation in due course. (ii) Research on Establishing a Hong Kong Based Carbon Labelling Framework for Construction Materials – the proposal to commission the HKU to conduct the research was being considered by the CIC. (iii) CIC Research Funding Application Procedures – the proposal had not been endorsed by the Committee on Administration and Finance and further discussion would be required. (iv) Trip ticket system (TTS) in private sector works – Members agreed that implementing administrative measures at this stage would be a favourable option instead of mandatory introduction. (v) Consultation on control of emission from non-road mobile sources – Members' comments would be issued to the Environmental Protection Department.

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		<p>(vi) Research on Adhesion Technologies for External Wall Tiles and Rendering – the Architectural Services Department had kindly consented to allow on-site testing at one of their building sites. As external wall tiles were not the current standard provision for public rental housing blocks, there was no suitable site from the Housing Department.</p> <p>(vii) Other matters arising were covered at the later part of the meeting.</p>
4.3	CIC/ENT/P/021/10	Prefabricated Construction – Members received a presentation from the Housing Department. After deliberation, Members agreed that standardization and modularization could bring improvements to the construction industry in terms of improved site safety, reduced environmental impacts, improved working environment and better quality control and assurance. Members recommended organising a forum on this subject.
4.4	CIC/ENT/P/023/10	Construction Technology Forum – the theme of the forum would be refined as “ <i>Quality and Competitiveness through Technical Excellence</i> ” to better reflect the objectives of the forum.
4.5	CIC/ENT/P/024/10	Initial Key Performance Indicators (KPIs) for Benchmarking the Performance of Construction Industry – Members viewed that the KPIs should cover five areas i.e. safety and health, environment, economy and productivity, manpower and labour, and public perception. It was discussed that a consultancy study would be required to develop a comprehensive system for assessing the performance of the construction industry. At this initial stage, a list of KPIs should be compiled with reference to those set by similar organisations in other countries as well as in consultation with CIC committee chairmen.
4.6	CIC/ENT/P/025/10	Tentative Work Plan for Year 2011 – The work plan is revised according to Members comments and is given at Annex A. Members also considered promoting the use of Building Information Modelling (“BIM”) to industry stakeholders as its functions to

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		generate three-dimensional and digital representation of building data could effectively improve coordination throughout the project lifecycle. The Housing Department would provide Members with a presentation at the next scheduled meeting.
4.7	CIC/ENT/P/022/10	Commitment towards Sustainable Urbanisation in Hong Kong – Construction Industry Perspective – the discussion was deferred pending the finalisation of CIC Research Funding Application Procedures.

Committee on Environment and Technology Work Plan
August 2010

Task Ref. No.	Task	2010						2011												
		7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
A. Review of Construction Standards																				
A. 1	Publish the Summary Report on Review of Local Construction Standards			■																
A. 2	Conduct annual review of updates on construction standards																			
B. Construction-related Research and Development (R&D)																				
B. 1	Identify R&D projects																			
B. 2	Develop strategy on R&D	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
B. 3	Implement the strategy																			
B. 4	Organise a forum "Quality and Competitiveness through Technical Excellence"																			
B. 5	Organise a forum on prefabricated construction																			
C. Research on Adhesion Technologies for External Wall Tiles and Rendering																				
C. 1	Conduct the research study	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
C. 2	Submit a review report																			
C. 3	Submit a study report																			
C. 4	Submit the draft design and construction guidelines																			
D. Research on Establishing a Hong Kong Based Carbon Labelling Framework for Construction Materials																				
D. 1	Conduct the research study																			
D. 2	Submit an interim report																			
E. Research on River Sand Substitutes																				
E. 1	Define scope of research, prepare research brief and funding application	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
E. 2	Commission a research institute to conduct the research																			
E. 3	Conduct the research study																			

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		7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
F. Initial Key Performance Indicators (KPIs) for the Construction Industry																			
F. 1	Prepare a set of KPIs for benchmarking the performance of Hong Kong construction industry	■						■											
F. 2	Publish the KPIs							■											
G. Managing Disposal of Construction & Demolition (C&D) Materials																			
G. 1	Finalise the draft Guidelines on Trip Ticket System for Disposal of C&D Materials in Private Sector Works	■																	
G. 2	Publish the Guidelines							■											
G. 3	Monitor the adoption of the Guidelines							■											
G. 4	Explore the feasibility of using of Global Positioning System (GPS) to keep track of the movement of construction and demolition waste disposal trucks							■											
H. Radio Frequency Identification (RFID)																			
H. 1	Explore application of RFID in construction material management and movement of materials	■						■											

Legend
 : ■ schedule
 ■ on-going task