

## **Construction Industry Council**

### **Committee on Environment, Innovation and Technology**

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Meeting No. 002/14 of the Committee on Environment, Innovation and Technology for 2014 was held on 10 April 2014 (Thursday) at 2:30 pm at CIC Headquarters, 15/F, Allied Kajima Building, 138 Gloucester Road, Wanchai, Hong Kong.

Present:	Kevin POOLE	(KP)	Chairman
	Paul CHONG	(PC)	
	Reuben CHU	(RC)	
	Robert LAM	(RL)	
	Christopher LEUNG	(KYL)	
	Siu-wai HUI	(SWH)	
In Attendance:	Joe FONG	(JF)	Environmental Protection Department
	Ka-chun MAK	(KMK)	Architectural Services Department
	Harry LAI	(HLA)	Electrical and Mechanical Services Department
	Clarence FUNG	(CF)	Hong Kong Housing Authority
	Chung-leung WONG	(CLWo)	Development Bureau
	Christopher TO	(CT)	Executive Director
	Ivan WONG	(IW)	Director - Registration Services
	Miranda YEAP	(MYP)	Senior Manager - Council Services
	Julian LEE	(JL)	Manager - Research
	Ivan KO	(IK)	Manager - Council Services 2
	Belle HO	(CYH)	Manager - Council Services 5
	Venus LAU	(VL)	Graduate Trainee
	Apologies:	Andrew CHAN	(AKYC)
Ada FUNG		(AF)	for Permanent Secretary for Transport and Housing (Housing)
Stephen LAI		(SLI)	
Wai-wah HO		(WWH)	Chair of TF-RSS
Simon WONG		(SW)	Chair of TF-RFID
Chuen-fai WONG		(CFW)	Environmental Protection Department

## **PROGRESS REPORT**

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#### **2.1 Confirmation of the Progress Report of the Previous Meeting**

Members took note of Paper CIC/ENT/R/001/14 and confirmed the progress report of the last meeting held on Thursday, 16 January 2014 at CIC Headquarters, 15/F, Allied Kajima Building, 138 Gloucester Road, Wanchai, Hong Kong.

#### **2.2 Matters Arising from the Previous meeting**

##### **2.2.1 Testing Guidelines for Steel Reinforcement**

Item 1.3 of the Previous Progress Report – Regarding the proposal on off-site cutting, bending of rebar and sampling of rebar for testing in prefabrication yard, the Secretariat had arranged a meeting among DEVB, CEDD and BD to discuss how the matter could be brought forward and would provide an update at Com-EIT meeting later this year.

#### **2.3 Proposed Nomination of Co-opted Members from Feb 2014 to Jan 2016**

Members received a brief report by the Chairman on Paper CIC/EIT/P/004/14.

Members endorsed the proposed list of reappointed Co-opted Members and the organisations to be invited for nominating Co-opted Members in Annex B of the Paper.

#### **2.4 CIC Innovation Award**

Members received a brief presentation by IW on Paper CIC/EIT/P/005/14, including the aims, eligibility, judging criteria, judging panel and budget of the CIC Innovation Award.

Members endorsed organising the Award at the budget of HK\$2,000,000 to be shared equally by the Com-EIT and the Committee on Productivity and Research, coupled with the following adjustments to the proposal set out in the Paper:

- The content of the Paper should set out the same emphasis on

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both awards for the academia and the industry practitioners.

- The heading titled 'Category of Entry' should be renamed (e.g. 'Expected Innovation', 'Subject Field') to avoid any misunderstanding.
- For the Young Innovator Award under the Category for Academia, to replace 'young PhD' by 'young academics'.
- 'Open Category' should be renamed as 'Category for Industry Practitioner'.
- Originality should be made one of the major judging criteria.

A Member raised a concern on how the Award money would be spent under the Category of Academia. After some deliberation, it was concluded that it would depend on the respective universities' regulations and policy applicable to the individual academics winning the awards.

The Chairman also stated that in case of 'joint venture' (a team composed of both academia and practitioner), the team would be categorised according to the qualification of the leader.

### 2.5 **Term contract for BIM Advisory Service**

Members received a brief presentation by IW on Paper CIC/EIT/P/006/14.

A Member suggested avoid engaging software provider for the provision of such service because of conflict of interest. Besides, Members wondered if the BIM experts or consultants would be interested in taking up the assignment. It was suggested that the previous tenderers for the consultancy on preparation of the BIM Standards could be approached as they had shown interest and capability in taking up similar assignment.

After some deliberation, Members endorsed on commissioning BIM Advisory Service as set out in the paper.

### 2.6 **Tasks and Budget for 2014**

Members received a brief presentation by IW on Paper

CIC/EIT/P/007/14.

Members agreed on the tasks and expenses proposed on the paper. As the Com-EIT endorsed the organisation of the CIC Innovation Award at the budget of HK\$2,000,000 shared equally with the Committee on Productivity and Research, for consistency, a Member suggested revising the budget of ‘CIC Innovation Award’ and ‘Others’ on the breakdown table to HK\$1,000,000 and HK\$1,650,000 respectively.

## 2.7 **Progress Update on BIM**

Members took note of Paper CIC/EIT/P/008/14 and Paper CIC/EIT/P/009/14.

The Chairman gave a short report on the latest position of the preparation of the ‘Final Report of the Roadmap for BIM Strategic Implementation in Hong Kong’s Construction Industry’ (‘Final Report’) to Members. The following parts of the report which would be revised were highlighted:

- Chapter 4 and 5 had been revised.
- The row of ‘Suggested Action Parties’ had been added to the tables in Chapter 10.
- Annex E had been added to the report.

IW explained the ‘Final Report’ was a collaborative work from Task Force Members and the Secretariat was still in the process of collecting inputs, comments and reports. A copywriter would be engaged after the Report was finalized.

As the current state of the ‘Final Report’ was still a draft version, a Member suggested endorsing the report by circulation when the final version of the report was ready.

The Chairman encouraged all Members to give comments on the ‘Final Report’ to either the Task Force Chairman or the Secretariat as soon as possible for the improvement and finalization of the report.

## 2.8 **Task Force on River Sand Substitutes Research**

Members were briefed by IW on Paper CIC/EIT/P/010/14.

The progress of the Research was as follows:

- Objective (1): Recommended specifications were sent to the stakeholders and appointment with the stakeholders was being made.
- Objective (2) & (3): They were in the process of analysing the collected data. However, more testing might be needed.
- Objective (4) & (5): Testing was being carried out at the moment.

Task (2) and (3) were supposed to be completed by the end of April this year. The Secretariat would communicate with the consultant to urge for the completion of the tasks as soon as possible.

## 2.9 **Task Force on Schematic Design for Application of RFID, GPS and Senor Technology in Monitoring the Movement of Construction Waste**

Members were briefed by IW on Paper CIC/EIT/P/011/14.

The items below were highlighted:

- The Housing Authority adopted the passive RFID technology and had already conducted trials to monitor the disposal of construction waste as well as the weights of the dump truck electronically at the construction site exit and at the entrance of dumping site.
- Passive RFID was applicable in large-scale construction sites but the cost involved was high.
- The Task Force was currently working on resolving the problem in small construction sites without weight bridge.

Some Members also considered that the use of weight bridge would not be a must for the purpose of tracking the movement of

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the construction waste. The Chairman expected the Task Force to have the conclusion by the end of this year.

### **2.10 Any Other Business**

The following items were raised and discussed:

- The Chairman encouraged Members to raise new topics for research.
- A Member suggested investigating ways to promote automated methods for construction activities. Another Member replied that the Committee on Productivity and Research was set up to tackle this issue and a visit to the Robot Laboratory of the University of Hong Kong would be conducted next week for Council Members.
- CT suggested that the initiatives implemented by both the Green Building Council and ZCB could be reported regularly in future Com-EIT meetings.

### **2.11 Tentative Date of Next Meeting for 2014**

10 July 2014 at 2:30 pm at CIC Headquarters, 15/F, Allied Kajima Building, 138 Gloucester Road, Wanchai, Hong Kong.

**All to note**

There being no further business, the meeting was adjourned at 3:55 pm