

Construction Industry Council

Committee on Productivity

Meeting No. 003/16 of the Committee on Productivity was held on 27 September 2016 (Tuesday) at 9:30am at Meeting Room 1, CIC Headquarters, 15/F Allied Kajima Building, 138 Gloucester Road, Wan Chai, Hong Kong.

Summary Notes of the Committee on Productivity Meeting No. 003/16.

Agenda Item	Paper	Major Resolutions/ Progress Highlights
3.1	CIC/PNR/R/002/16	<u>Confirmation of the Progress Report of the Previous Meeting</u> Members confirmed the Progress Report of the Com-PRO Meeting 002/16.
3.2	-	<u>Investigating the Potential Application of 3D Printing Technology for Construction Supply Chains in Hong Kong</u> Professor Mirosław J. Skibniewski from the University of Maryland delivered a presentation on “Impact of Potential Application of 3D Printing Technology on Construction Supply Chains”. Prof. Skibniewski introduced his proposal on developing a 5-year strategy for applying 3D printing technology in the Hong Kong construction industry. Members appreciated the presentation and requested for a full proposal on this topic for further deliberation.
3.3	-	<u>Achieving Productivity Leap through Construction Process Re-engineering (CPR)</u> Mr. Jeff Fung from Hong Kong Productivity Council (HKPC) introduced the consultancy entitled “Achieving Productivity Leap through Construction Process Re-engineering (CPR)”. HKPC introduced the methodology to be adopted in the project, and reported that they had started contacting relevant parties for soliciting necessary data. Members suggested HKPC liaising with trade association of formwork erecting, rebar fixing and concreting for collaboration.

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3.4	-	<p><u>A Comprehensive Productivity Appraisal of the Hong Kong Construction Industry</u></p> <p>Dr. Wei Pan from the University of Hong Kong reported the progress of the consultancy study on “A Comprehensive Productivity Appraisal of the Hong Kong Construction Industry”. Through expert consultations and questionnaire survey, the key drivers and barriers of productivity enhancement in the industry were identified. A case study would further be conducted followed up by consultation forums. The Consultant will look into issues on rising construction cost which was concerned by Members.</p>
3.5	-	<p><u>Development of High Modulus Concrete for Tall Buildings</u></p> <p>Prof. Zongjin Li from the Hong Kong University of Science and Technology presented the key findings of a research project entitled “Development of High Modulus Concrete for Tall Buildings”. After deliberation, the research findings will be submitted to the Standing Committee on Concrete Technology (SCCT) of the Buildings Department (BD) for further review and deliberations. Members also concerned the composition of the high modulus concrete for usage of river sand.</p>
3.6	-	<p><u>Development of Ultra-Ductile Cementitious Waterproofing Rendering by Recycled Plastic</u></p> <p>Mr. Ivan Sham from Nano & Advanced Materials Institute (NAMI) delivered a presentation on the development of Ultra-ductile cementitious waterproofing rendering by using recycled plastic. The research is already completed and Members are welcome to carry out trials using the advanced materials.</p>
3.7	CIC/PRO/P/009/16	<p><u>Amended Operation Framework of CIC Research Fund and Proposal of Research Agenda</u></p> <p>Members took note of the amended operation framework of CIC research fund and endorsed the proposed research agenda which includes robotics and automation; constructability; re-engineering the planning and design process; effective inspection of ageing buildings; and</p>

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		advanced materials.
3.8	CIC/PRO/P/010/16	<u>Nomination for Task Force on Research</u> Members agreed to nominate Ir. Tommy Ng to represent Com-PRO to be a Member in the Task Force on Research.
3.9	-	<u>Any Other Business</u> There was no other business.
3.10	-	<u>Tentative Date of Next Meeting 004/16</u> The next meeting was scheduled in December 2016. The Secretariat will inform Members once the meeting date is confirmed.

Remarks: The mentioned papers discussed at the Committee on Productivity and the full progress report can be made available to Council Members from the CIC Secretariat upon request.