

CONTROLLING OFFICER'S REPLY

DEVB(W)046

(Question Serial No. 0084)

Head: (25) Architectural Services Department

Subhead (No. & title): Not Specified

Programme: (3) Facilities Development

Controlling Officer: Director of Architectural Services (HO Wing-yin, Winnie)

Director of Bureau: Secretary for Development

Question:

In Matters Requiring Special Attention in 2021-22, the Government states that it will “enhance buildability and constructability of the projects through innovative construction methods for improving the efficiency of construction”. Under this connection, will the Government inform this Committee:

- (a) the fund, manpower and resources allocated to execute this policy initiative;
- (b) the definitions of buildability and constructability of the projects and the role of innovative construction methods;
- (c) the target and latest progress of adopting innovative construction methods in Hong Kong; and
- (d) whether the Government would step up its promotion for innovative construction methods; if yes, of the details; if no, of the reasons?

Asked by: Hon SHEK Lai-him, Abraham (LegCo internal reference no.: 31)

Reply:

Over the past few years, the Development Bureau (DEVB) has been implementing the “Construction 2.0” initiative progressively and actively promoting the application of innovation and technology, including Modular Integrated Construction (MiC), Digital Works Supervision Systems (DWSS) and Building Information Modelling (BIM). It has also established the Construction Innovation and Technology Fund. Recently, the Architectural Services Department (ArchSD) has adopted the MiC method for building disciplined services quarters for the Fire Services Department in Pak Shing Kok, Tseung Kwan O, several temporary quarantine centres in various locations and a temporary public market in Tin Sau Road. The results of these building projects have been very encouraging in terms of speed, economy, quality and safety. In addition, ArchSD has been taking forward the adoption of BIM and DWSS in public works projects with a view to enhancing design, construction, project management and asset management, and improving the overall efficiency, safety, quality performance and productivity of the construction

industry. Under DEVB's steer, ArchSD will continue to study and suitably apply innovation and technology, and collaborate with research institutions and different stakeholders in the construction industry in exploring and using innovative construction methods and ways to enhance productivity and cost effectiveness in implementing public works projects.

As the policy initiative has become an integral part of ArchSD's provision of professional services, there is no separate breakdown of the manpower and resources specifically for implementing the initiative.

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