

Annex B

Tender Evaluation Criteria for Concept Proposal on Construction Productivity for the Site

Construction Productivity Plan – Weightage at 75 Percent		
1	Overall construction productivity concept	<ul style="list-style-type: none">• The proposed development is to feature the adoption of Design for Manufacturing and Assembly (DfMA) concept to achieve the highest productivity outcomes possible.• The productivity outcomes of the proposed construction methods and systems should be comparable to or better than the most advanced method of DfMA technologies adopted for sites sold under the Government Land Sales Programme.
2	Level of prefabrication and integration across architectural, structural, mechanical, electrical and plumbing (MEP) works	<ul style="list-style-type: none">• The overall building design, including the architectural finishing, mechanical, electrical and plumbing (MEP) works, should support the implementation of the proposed advanced construction technologies and support the functional requirements of the building.• The design and modularisation of building and floor layouts should achieve high levels of integration in the construction of the architectural, structural and MEP works.• The structural system of the proposed development should incorporate highly productive construction technologies and demonstrate the extent of implementation of the proposed technologies.• The MEP works for the proposed development should be planned, executed and integrated upfront with all other trades in design, prefabrication and installation.• The proposed development should feature innovative proposals to support the Construction Productivity Plan.

Construction Management Plan – Weightage at 15 Percent		
3	Effective project scheduling, monitoring and productivity tracking methodologies	<ul style="list-style-type: none"> The proposed development should adopt Building Information Modelling (BIM) and other methodologies to track project progress, identify and address potential sources of delay upfront, so as to ensure that the project is on schedule.
4	Effective project integration and collaboration approach	<ul style="list-style-type: none"> The proposed development should adopt Virtual Design and Construction (VDC) and other methodologies to achieve integration across the project value chain from design through manufacturing to construction. The proposed development should incorporate an integrated project delivery approach such as Design and Build or Design Development and Build. The proposed development should feature innovative proposals to support the Construction Management Plan.
Track Record – Weightage at 10 Percent		
5	Track Record	<ul style="list-style-type: none"> The tenderer/developer and project teams will be assessed based on their relevant skills and/or experience in employing advanced construction technologies for residential developments, with proven track records(which may include productivity, quality and safety) both locally and overseas. Tenderers/developer and project teams with only overseas projects may substantiate their track records with relevant international construction awards or accolades, where applicable.