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Circular to Professional Institutes / Associations

Dear Sir / Madam,

GRANT CALLS FOR CITIES OF TOMORROW (CoT) R&D PROGRAMME

Background

1. The Building and Construction Authority (BCA) and Housing & Development Board (HDB) have jointly launched the second series of grant calls for Vertical 1: Advanced Construction under the Cities of Tomorrow R&D Programme, a multi-agency effort, led by the Ministry of National Development (MND) on 28 February 2019. The programme is funded under the National Research Foundation (NRF), as part of the Urban Solutions and Sustainability (USS) domain under Research, Innovation and Enterprise 2020 (RIE2020).

Eligibility

2. The grant calls are open to all Singapore-based Institute of Higher Learnings (IHLs), public sector agencies and not-for-profit research laboratories, as well as companies and company-affiliated research laboratories/institutions to submit proposals on solutions that meet the objectives of these grant calls.

3. The Lead Principal Investigator (PI) who leads the Research must be based in Singapore. Collaboration with foreign organisations and experts in the capacity of Co-Principal Investigator (Co-PI), or as Collaborator is allowed.

4. Grant applicants are strongly encouraged to collaborate with industry partners to develop innovative solutions that can address the call objectives and demonstrate strong potential for real-world application within Singapore. Proposals with plans for test-bedding at actual sites/ development, where applicable, will be highly preferred.

Scope of Grant Calls

5. The following are the grant call topics under the Advanced Construction research thrust:

- Advanced DfMA Solutions for Commercial and Healthcare/Institutional Buildings
- Advanced DfMA Solutions for Large Span, Heavy Loading Industrial Buildings
- Structural Analysis, Design and Modelling Engine with Predictive Algorithms
- Server-based 5D Computational BIM for Quantification, Valuation, Planning and Progress Claim
- AI Solution for Automated DfMA Modularization with Intelligent Components for ICPHs
- Development of Cost-Effective Anti Sway Technology to facilitate Precast Installation Operations
- Development of MgO Cement using Waste Discharged from Desalination Plants

Funding Support

6. Singapore-based IHLs, public sector agencies and not-for-profit hospitals and research laboratories will qualify for up to 100% funding support of approved qualifying direct costs of a project. Private sector companies and company-affiliated research laboratories or institutions will qualify for up to 70% of funding support of the approved direct qualifying costs of a project. Support for indirect costs, in the form of overheads, will only be provided for Singapore-based IHLs and not-for-profit entities. Funding support of 20% of the total qualifying approved direct costs will be allowed. Indirect costs must be specifically provided for in the grant, and approved by the Grantor based on the nature of the research.

7. R&D proposals already funded by other government agencies will not be considered. PIs and supporting agencies will need to declare other funding sources as well as participation in other funding initiatives during application. Proposals with similar scope, which are currently under evaluation by other funding initiatives, will not be considered until the results from the other funding initiatives are finalised.

8. Funding awarded cannot be used to support overseas R&D activities. All funding awarded must be used to carry out the research activities in Singapore unless expressly approved by the grantor.

Application

9. The full details of the grant calls and all related documents can be downloaded from the following IGMS website: <https://researchgrant.gov.sg/>

10. All proposals must be submitted through IGMS at <https://researchgrant.gov.sg/> by **25 April 2019, 2359 hrs**. Separate submissions outside of IGMS will not be considered. Late submissions or submissions from individual applicants without endorsement from the Host Institution will not be entertained.

11. For enquiries on the Grant Call, please email to **both** cot_submission@mailbox.hdb.gov.sg and BCA_COT@bca.gov.sg. For other enquiries pertaining to IGMS system, please email IGMS helpdesk at Helpdesk@researchgrant.gov.sg.

Thank you.



TAN TIAN CHONG
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