

Foundation for Innovation and Technology Transfer

Invitation of Expression of Interest (EoI) for a subcontract work of 3D Model Enhancements, Fabrication, AR/VR Interface Development, Execution and Delivery of product in a Govt. sponsored project ‘A digital Mini-Spectacle for showcasing the Glory of Hampi’

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Notification date : 5th April 2018

Foundation for Innovation and Technology Transfer (FITT), Indian Institute of Technology Delhi, invites Expression of Interest from innovative, technically competent start-up for association in executing a project on ‘A **Digital Mini-spectacle for Showcasing the Glory of Hampi**’ on sub-contract basis.

EoI Submission Deadline: 3:00pm, 12th April, 2018. Bid opens on 5th April 2018

How to Submit: Name of the Firm, EoI name and Bid Due Date & Time should be clearly written on the sealed envelope. Sealed envelope containing EoI shall be submitted at the following address:

Chief Operating Officer
Foundation for Innovation and Technology Transfer
Indian Institute of Technology
Hauz Khas, New Delhi 110016

The sealed envelope to contain 2 separate envelopes for the Technical and financial quote respectively

1 Background

The Indian Digital Heritage (IDH) Project, a unique and successful initiative of the Department of Science & Technology (DST), Government of India, had supported collaborative projects between researchers in the areas of technology and humanities for the digital documentation and interpretation of the tangible and intangible heritage of India. The first of its kind project highlighted the need for a broader research framework to encompass all scientific research into digital heritage as well as the need to take the research out of the Labs and translate into commercial products for the world to see. Several research outputs of IDH are ready for translation to showcase the innovation developed. One of the envisaged outputs of this project was a grand spectacle of Hampi.

Multiple research groups from IIT Delhi participated in the IDH project and IIT Delhi was also the coordinating institute for this project.

Consequently, FITT proposed a project, under the Interdisciplinary Cyber Physical Systems (ICPS) Call for Proposals, to affect the translation of proven technologies based on the IDH research outputs into a deliverable which aims to design and develop *prototypes* for an envisioned Grand spectacle of the glory of Hampi. These prototypes will be developed as exhibits and installations to constitute a Mini-spectacle of the glory of Hampi.

In the implementation and maintenance of the proven technology component of the project, **FITT** shall involve a DIPP certified technology *EoIs shall be opened on 12th April 2018 in FITT and the*

process for selection shall follow thereafter in soonest possible time so that the project deadline can be adhered to. Venue for opening of EoIs and subsequent meetings shall be FITT, IIT Delhi., which has the domain expertise and required skills to produce monument replicas and provide AR/VR interfaces. The start-up shall be involved as a subcontractor in the project with appropriate deliverables duly supervised by the Investigators from IIT Delhi.

2 Scope of Work

This project aims to create a framework for presenting large heritage exhibits of ancient cities comprising of physical as well as virtual models of monuments and other structures, allowing for AR/VR interactions with 3D printed or realistically fabricated physical replicas, using proven technology from the IDH project. Following is the description of tasks to be executed by the sub-contractor to be selected.

1. 3D Model Enhancements
2. Physical Fabrication of monument structures
3. AR/VR Interface Development
4. 2D and 3D data acquisition, data processing and modelling
5. Execution & Delivery of physical and virtual 3D models, field deployment, field work necessary for the installation and maintenance.

3 Eligibility Criteria

Interested start-up should meet the following requirements.

1. The start-up should be registered in India.
2. The start-up should preferably be incubated at TBIU, IIT Delhi or any other IITs.
3. The start-up personnel should have domain expertise and required skills to execute the project.
4. The start-up personnel should have proven, prior experience and should preferably have been part of the Indian Digital Heritage (IDH) project of the DST
5. The start-up personnel should have competency in prototype development as described above.

4. Expected Expertise

- Understanding of the Scope of Work
- Domain specific experience in the areas relevant to Scope of Work
- Capacity to meet the Scope of Work

5 Submission Procedure

Interested start-ups/vendors should submit documents with the following information.

1. Legal status/Registration Certificate

2. Particulars of lead technical persons.
3. Works of similar nature completed earlier
4. Timeline for completion
5. Quote for the project

6. Period of Engagement

12 months from the date of commencement of Project

EoIs shall be opened on 12th April 2018 in FITT and the process for selection shall follow thereafter in soonest possible time so that the project deadline can be adhered to. Venue for opening of EoIs and subsequent meetings shall be FITT, IIT Delhi.