ANNOUNCEMENT/ Call for R&D Proposals

Department of Science and Technology
Ministry of Science and Technology
NRDMS-NSDI Division

Invites R&D Project Proposals on "Spatial Data Infrastructures (SDI) for Urban Governance Applications"

R&D Project Proposals are hereby invited by the NRDMS-NSDI Division of Department of Science & Technology (DST), Govt. of India for developing and demonstrating utility of concepts of Spatial Data Infrastructures (SDIs) in Urban Governance Applications. In particular, SDI concepts like geospatial metadata, geospatial data and process standards; decision support systems; and application of emerging Geo-Information & Communication Technologies in Urban Governance using web-based platforms etc. are proposed to be explored and adapted to real-life Urban Governance context. Details of the three categories of thrust areas (indicative only) where R&D proposals are invited are as follows:

Category I - Testbed projects – Urban Governance testbed projects are required to be implemented for testing and demonstrating the utility of SDI concepts (or underlying data sets) in Smart City development to end users in a short time frame while focusing on the relevant and immediate GIS applications. R&D Teams implementing State SDI projects or similar scientific & technical groups in different State Government Agencies are expected to submit project proposals in this Category. A part of the proposed activities in the category could be implemented with the involvement of a suitable System Integrator/ Vendor to be identified through an EoI/ RFP process, in addition to the JRFs/ SRFs/ RAs etc.

Category II - Deployment R&D – In these projects, some amount of development is required to be implemented and demonstrated through lab-based activities in technical institutions like IITs, Universities; Laboratories etc. to support the deployment of standards/ technologies required in Category I (e.g. CityGML testbed for Indian City Features). Activities are required to be implemented by R&D Teams with the help of JRFs/ SRFs/ RAs. Etc.

Category III – High end R&D - Projects are expected to be implemented with the help of only JRFs/ SRFs/ RAs etc. The recommended areas in this category are: Spatio-Temporal Data Modelling, Big Geospatial Data Analytics; High Performance Computing (HPC) for Smart City Applications; Autonomous Sensor Networks, Geo-Semantic Sensor Web, Semantic Interoperability, Seamless Outdoor/ Indoor Navigation, Building Information Model (BIM) & GIS interoperability, Point cloud to City GML, Internet of Things (IoT), Geospatial Data Security, Social Media Analytics, Interdependencies between Critical Infrastructures etc.

Details of the terms and conditions, prescribed proforma; and other norms/ guidelines for submission of the proposals may be accessed/ submitted at the website http://onlinedst.gov.in. The last date for submission of the project proposal is **31 March 2018**. For any queries regarding the above, may please contact or e-mail to Dr. Bhoop Singh, Head (NRDMS-NSDI), DST, New Delhi at 011-26523577/ 26590361/bhoopsingh@nic.in or Dr. Shubha Pandey, Sc. C, DST, New Delhi at 011-26590351/shubha.p@nic.in.