

Government of Tripura  
Office of the District Magistrate & Collector  
Dhalai District, Jawaharnagar.

No. F.3(170)-DM(D)/Dev/DIF/2010/9131

Dated, 24<sup>th</sup> January, 2011

**REQUEST FOR PROPOSAL (RFP)**

Request for Proposal (RFP) is invited for preparation of detailed project report, estimates and execution of project for development of Geographical Information System (GIS) of Dhalai district under District Innovation Fund (DIF) on Turn-key basis.

District Administration, Dhalai has initiated ICT based Micro Level Planning. It requires mapping, surveying, collection of data, digitization of available data and integrating these in a Geographical Information System (GIS) based software which can be used for multi-sectoral planning, customized data presentation and linkage with a web based portal.

Proposals are invited from Agencies viz. Government Organizations, NGOs/ Voluntary organizations, Consortiums, Consultant firms and Technical Support institutions involved in ICT projects based on GIS including use of satellite imageries and having past experience of atleast three years in such type of projects. Nature of work may include preparation of Detailed Project Report (DPR), estimates and its execution on turnkey basis.

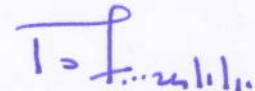
The interested agencies are required to submit their proposals in two bid system- Technical Bid and Financial Bid. The Financial bids of only those agencies shall be opened who would be found eligible after evaluation of Technical bids.

A pre-bid meeting will be held on **15<sup>th</sup> February'11** at the office of District Magistrate & Collector, Jawaharnagar, Dhalai, Tripura. The interested parties are required to make presentation about the proposal.

The sealed proposals signed by the Head of the Agency with office Seal/Stamp must reach by **28<sup>th</sup> February'11** to the office of District Magistrate & Collector, Dhalai district, Composite District Head Quarters' Complex, Dhalai, Jawaharnagar. The Concept note as approved by the Government of Tripura in this regard is available on the district website [www.dhalai.nic.in](http://www.dhalai.nic.in)

Following person may be contacted in case of further query.

Shri Sajal Bishwas, O/C Development,  
O/O District Magistrate & Collector,  
Dhalai, Jawaharnagar.  
Ph# 03826-267209/ 9436135833

  
District Magistrate & Collector,  
Dhalai district, Jawaharnagar.

ML

(10)

## **CONCEPT NOTE ON DEVELOPMENT OF GIS (GEOGRAPHICAL INFORMATION SYSTEM) OF DHALAI DISTRICT UNDER DISTRICT INNOVATION FUND (DIF)**

**(A) The Background:-** Dhalai being an underdeveloped and tribal dominated District has a sufficient scope for taking up Socio-economic and Human Resource Development Projects. Due to inaccessible terrain, lack of rural connectivity and absence of well compiled inventory of resources it is difficult for developmental and welfare planning as well as implementation and monitoring of plans and schemes. The efforts taken in isolation by different line departments, agencies leave a huge gap and at times result in duplication of efforts.

Therefore, there is a need for having an integrated and comprehensive resources inventory and its use in plan formulation, implementation and monitoring. The Geographical Information System (GIS) has a potential to address this requirement and help in improving the utilization of manpower and resources.

**(B) The Geographical Information System (GIS) and its application in Dhalai District:-** The GIS works on the integration and meaningful presentation of Spatial Data e.g. Geo Spatial Data, Geographical Information, Geo Data in the form of maps, Satellite Images, Aerial Photographs, Textual and Statistical Data as per the demand. The Spatial Data may be acquired from National Spatial Data Infrastructure (NSDI), Indian Remote Sensing Agency (IRSA) and from locally available sources. The data ones acquired can be fed in the GIS software which enables easy storage of large volumes, quick and selective retrieval, easy integration and complex analysis. The data available with NSDI mainly contain the Topographical maps, NRIS data, Thematic maps, Ground Water maps, Irrigational maps, Satellite Images, Census data, Geological maps, Soil maps, Urban maps and other maps depending on agencies involved.

These data can be stored in various layers in GIS software wherein further information can be linked through manual entries. Once the relevant data

(9)

through maps, images, textural and statistical data are fed and linked any information depending on users' requirement may be retrieved and presented.

The GIS may be used in planning for Rural Connectivity, Public Health management, Drinking Water Facility, School and Social Education Infrastructure, Rural electrification, Flood Management and Disaster Mitigation and other matters which may be presented and planned on a spatial plane. It will also help in monitoring ongoing projects and works through regular updating of the information. A true convergence of efforts of different line departments and schemes may be achieved through this digital technology.

**(C) The way forward:-** There are several agencies who work on collection of spatial data as well as development of user based GIS software for purposes like natural resource mapping, cadastral mapping, Topographical mapping, Town and urban planning and any other purpose for which data/information is available. These maps, images, textural and statistical data once collected may be suitably linked on a vector chart in GIS programme. Both horizontal and vertical Integration is possible, i.e., to say integration from lowest unit of cadastral or topographic map to the district or state level small scale maps (vertical) and integration between various thematic maps (horizontal) can be achieved.

Such data under GIS once compiled can also be utilized by different agencies and organization for their planning and formulation on payment of user charges. GIS can also be developed on a Public Private Partnership (PPP) wherein the private partner may be allowed to collect data, develop and manage software and levy charges on its use from various user agencies with over all ownership of Revenue department. Else, the private agency may only be involved initially and once the programme is operational it may be disengaged paying requisite fees and may further be maintained and used by the NIC or other government agencies.