

Notice inviting expression of interest (EoI) for the selection of consultancy firms for updation of GIS database of key departments of the state of Uttarakhand

Information management using GIS

Geographical Information System (GIS) is a powerful tool and, if used effectively, this can play a crucial role in gathering and analysing information needed for effective decision making during times of crisis. GIS has the capabilities of providing higher quality results that are far better than those obtained manually. GIS can facilitate prompt and effective decision making and improve coordination amongst agencies involved in disaster management; particularly in planning, monitoring and implementation at the state, district, block, municipality and gram panchayat levels. It can at the same time help in strengthening disaster management related functions by incorporating essence of latest knowledge and scientific development in the same.

Effectiveness of GIS

Effectiveness and importance of using GIS based tools and techniques lie in:

- Effective decision making
- Visual appeal
- Clarity in deciphering geographical details
- Image interpretation and thus access to synoptic view of the affected area Visual representation of the data pertaining to the changes introduced in the area by the particular event
- Ease of adding and removing particular layers from the representation and to include the same or omit these from the analysis and correlation
- GIS database can depict vital features like boundaries, topography, road network, utility, alternate routes, resource availability and supply lines and others that help in effective disaster management related planning and response.

Disaster Mitigation and Management Centre (DMMC)

DMMC is an autonomous institution of the Department of Disaster Management, Government of Uttarakhand that is dedicated to the cause of disaster management in the state of Uttarakhand. DMMC has full-fledged GIS and remote sensing facility that has been capturing details related to various physical and manmade features

together with infrastructure and other facilities that are likely to be required during an emergency situation. It has also been undertaking GIS based studies for assessing vulnerability and risk potential of the region to various hazards.

DMMC has been using GIS and other related tools for disaster management related planning and decision-making with regard to the following:

- Assessment of vulnerability and risk before planning for mitigation and development planning.
- Developing maps based on the requirement of the user agency.
- Drawing of blue print of actions to be initiated at the various levels and correlating this information for the use of the user agency.
- Bringing available maps on different scales to a common format.
- Facilitating use of the existing maps of 1 : 50,000 and 1: 2,50,000 scale and preparing ground for large scale mapping.
- Development of large scale topographic maps of hazard prone areas using various available technologies so as to ensure effective planning.
- Generation of spatial outputs with supportive tables / charts and others that help the user departments in development, planning and decision making.

Expression of Interest (EOI)

Disaster Mitigation and Management Centre (DMMC), Uttarakhand Secretariat, Dehradun invites Expression of Interest (EOI) for the selection of "Registered Legal Entities" for collection and updation of data pertaining to manpower, infrastructure facilities and others of the various identified departments and mapping these on GIS environment.

The objective of the consultancy service is thus to collect the data from various line departments and update the GIS database of DMMC.

The departments intended to be covered by this EOI include:

1. Public Works Department
2. Health and Family Welfare
3. Police, including SDRF and Fire & Emergency Services
4. Education

5. Food and Civil Supplies
6. Civil Aviation
7. Irrigation
8. Mobile service providers (All operational in the state)

It is intended to capture data pertaining to the following with regard to the above listed departments/agencies.

1. Equipment, with type, usage, location and numbers
2. Machinery, with type, usage, location and numbers
3. Vehicles available, with type, usage, location and numbers
4. Communication equipment, with type, usage, location and numbers
5. Life saving equipment, with type, usage, location and numbers
6. Departmental infrastructure with details of facilities available therein

Scope of Work:

1. Collecting data from line departments.
2. Updating all information in the GIS database.
3. Preparing maps parting to above information.
4. Integration with other available GIS data which will be provided by DMMC.

Interested parties can collect information pertaining to the status and present state of GIS database available with DMMC during office hours on any working day, except Tuesday on which entry to Secretariat premises is restricted. For collecting entry passes the authorised representatives of the firms may contact reception of DMMC at 0135-2710199 / 2710232 / 2710233.

Interested firms may submit the EOI along with all required documents to "**Executive Director**, Disaster Mitigation and Management Centre, Uttarakhand Secretariat, 4 Subash Road, Dehradun" on or before 30 May 2016 in a sealed cover super scribed "EOI for selection of Consultancy firm for collection and updation of GIS data."

Eligibility Criteria for participating Consultancy Firm:

1. The applicant should be "Registered Legal Entity" and should have been in operation in India for at least 3 years.
2. The firm should have been working in the field of preparation of GIS database.
3. Average annual turnover of the firm for the last three financial years ending on March 31st 2016 should be equal to or greater than 10 lakh.
4. The firm should not be under a declaration of ineligibility for corrupt and fraudulent practices or any other reason, whatsoever, or have not been blacklisted by the Government of India or any other government agency.
5. The firm should have experienced technical human resource. Signed C.V. of all experts proposed to work for this assignment should be submitted.
6. The proposal should have narrative on proposed strategy, methodology for data collection and updation of database.
7. Short note on the similar projects implemented by the consulting firm pertaining to the short listing criteria.
8. Annual report of last three years should be submitted.

Signed proof/document authenticating all the above assertions, where deemed necessary, must accompany the EOI.

Executive Director

Disaster Mitigation and Management Centre,
Uttarakhand Secretariat, 4 Subash Road, Dehradun.
Phone No. 0135-2710233, Fax 0135-2710199

SUMMARY SHEET

Name of the Agency:	
Address of Registered Office	
Contact Person	
Year of Establishment	
Annual Turnover * in last three years Year 2015-16 Year 2014-15 Year 2013-14 Average Annual Turnover for above three Financial Year: *Audited Statements to be enclosed	
Net worth of Agency:	
Current Contract Commitments:	
Working Capital:	
Any Other Relevant Details	

DETAILS OF SIMILAR WORKS CARRIED OUT IN THE LAST THREE YEARS

Assignment Name:	
Location:	
Name of the Client:	
Address:	
Start date (Month/Year)	
Completion Date (Month/Year)	
Work Order Amount (in INR)	
Name of Association of Project:	
Brief Description of Project:	
Prof of attachment	Attached/Not Attached

