PROFORMA OF MAIN APPLICATION FORM

AWARDS SCHEME FOR EXEMPLARY IMPLEMENTATION OF e-GOVERNANCE INITIATIVES

PROFORMA OF MAIN APPLICATION FORM (for applying through e-mail) for

NATIONAL AWARDS FOR e-GOVERNANCE

1. Name of the Organization:

   Jharkhand Space Application Center

2. Name of the Department:

   Remote Sensing and GIS

3. Name of State/UT/Central Government/Others:

   Jharkhand

4. Name of the Project   :

   ePanchayat

5. Nature of the project   :

   INNOVATIVE USE OF GIS TECHNOLOGY IN e- GOVERNANCE

6. Category of Award Applying for"

   Demonstrate Innovation in use of GIS Technology for e-Gov

7. Objective of the Project : (Please provide the brief summary of the project being nominated for the National Award for eGovernance along with salient features (in 500 words approx)

   e-Panchayat, a customized information system of panchayats of Jharkhand State, was initiated with the objective to provide panchayat-wise information on infrastructure/resources/administrative etc. to the planners, decision makers and common man. In Jharkhand, 32615 villages constitute 4562 number of panchyats. Mostly panchayats are dominated by tribes which are innocent and less-educated civilians.

   The available information of Jharkhand in e-Panchayat application was generated/digitized using satellite data, maps available with different Govt.

~~departments and topographic maps. Different themes made available on~~ webGIS platform are arranged in following categories.

a. **Administrative boundaries:** District boundary, Block Boundary, Panchayat boundary, and village boundary, Headquarters

b. **Infrastructure layers:**
   School information integrated with DISE data: The data was provided by Jharkhand Education Project Council, Govt. of Jharkhand

   Govt. Health facilities: The data on the number of Health facilities and their distribution was provided by Health Dept., Govt. of Jharkhand

   Observation wells: The data was provided by Water Resources Dept., Govt. of Jharkhand

   Automatic Weather Stations: Location details of Automatic Weather Stations available with JSAC were digitized.

   Roads: The data on National Highway, State Highway and Other roads was digitized.

   Railway: Railway tracks and stations data was digitized from Survey of India topographic maps.

c. **Natural Resources:** Following layers of mineral resources were generated/digitized.

   Mineral resources: The minerals data available with Mines and Geology Dept., Govt. of Jharkhand was digitized.

   Forest: Forest cover and density map generated by Forest Survey of India (MOEF), Govt. of India was procured.

   Soil Resources: Different soil types were mapped using satellite images supported by extensive field work by JSAC.

   Agriculture: The data on the area of agriculture land was generated by JSAC for rabi crop, kharif crop, zaid crop and more than two crop areas using multi-temporal satellite data.

River and Water bodies: Pre monsoon and Post monsoon extent of water bodies was quantified using the respective two season satellite data by JSAC. The water bodies smaller than 2.25 ha were digitized as point feature.

Mining Lease: Mining lease information available Mines and Geology Department was digitized.

Wasteland: Satellite images were used to map the different categories of wasteland in the State.

Geology & Geological: The Geology and Geological Structures were interpreted based on Quadrangle Geological maps of GSI and updated with the help of satellite data and limited field checks.

Geomorphology : The geomorphology tells about the diverse landforms available in Jharkhand.

Slope: Slope data generated using contour information of Survey of India Topographical sheets.

Degraded land : Information on degraded land of Jharkhand were extracted using interpretation of multi-temporal satellite data.

Watershed : Watershed information were taken from Watershed Atlas of India, AIS&LUS, Govt. of India. Entire Jharkhand state is classified into Basin, Catchment, Sub-Catchment, Watershed, Sub-Watershed, Mini-Watershed and Micro-Watershed.

d. **Derived layers:** All the infrastructure, natural resources and physical land forms layers are used to map the ground water prospect, water resources development action plan and land resources development plan.

The areas for the development may be chosen scientifically based on the available layers on the Panchayat Information System.

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8. Date of Launch of Project **(please see para 6.2 for eligibility of the project with reference to launch date)**
:

(i) For all categories except Incremental Innovation((dd/mm/yyyy): 02.10.2012

(ii) For Incremental innovation(period during which substantial incremental innovation has been made in the project)-
Year of National e-Governance Award   2014

9.   Beneficiary of the Project :
Citizens, planners, researchers, academicians, administrators, decision makers, panchayat representatives etc.

(vi) Self Certification by the Project Head in the format applicable to the organization must accompany the Main Application Form.

Details of Head of the nominated project
Name of the Project Head of the project:

Shri Sarvesh Singhal, IFS

Designation   :

Director

Contact Address   :

Jharkhand Space Applications Center, Engineers Hostel-1, Dhurwa, Ranchi

E-mail Address	:	directorjsac@gmail.com
Telephone	:	0651-2401719
Fax:		0651-2401720
Mobile Number	:	943114145

Details of team for the nominated project
Key Team Members with their Role Designation [Please mention key officers/ staffs **(not   more than 7 including project head)** whose contributions were most significant for the success of the Initiative]

SI NO	Name(s) :	Designation:
1.	Shri Sarvesh Singhal, IFS	Director
2.	Shri Najmul Hoda	Scientist
3.	Shri Ravish Kumar	Junior Scientist
4.	Shri Neeraj Kumar Sharma	Junior Scientist
5.	Shri Rajesh Rawani	Programmer
6.	Shri Vinod V.H.	Project Coordinator