Jharkhand Agriculture Information System

User Manual

The WebGIS service namely “Jharkhand Agriculture Information System” has been prepared to provide the geospatial information related to agriculture at one place. The coverage of agriculture crops in different seasons across years may be visualized and analyzed with respect to other GIS layers viz., infrastructure, forest, land use /land cover etc.

The “Jharkhand Agriculture Information System” has more than 50 GIS layers categorized in 9 different groups as follows:

(i) Administrative Boundary
(ii) Infrastructure
(iii) Facilities
(iv) Agriculture and Soils
(v) Forest Resources
(vi) Water Resources
(vii) Mineral Resources
(viii) Land Use/ Land Cover
(ix) Action Plan

Administrative Boundaries includes state boundary, commissionaire boundary, district boundary, block boundary, panchayat boundary and village boundary.

Infrastructure includes railway, railway station, national highway, state highway, other road, headquarters and settlement.

Facilities includes hospital, schools, AWS station, common service center, AI centers, BAIF centers

Agriculture and Soils includes year wise crop extent of rabi, kharif and zaid seasons. Commissionaire wise soil details, wasteland, slope and watershed

Forest Resources shows forest density map prepared by Forest Survey of India

Water Resources includes river/water bodies, drainage, pre and post monsoon water extent, turbidity and aquatic vegetation, well type spring and ground water prospect map

Mineral resources includes structure, geology, geomorphology and mineral resources
**Land Use/Land Cover map** shows the land use/land cover map prepared using the satellite data of year 2011-12.

**Action plan** includes land resource action plan and water resource action plan. Land resource development plan shows the area suitable for Agro-forestry, Agro-horticulture, fodder and fuel wood plantation and intensive agriculture. Water resource development plan includes different classes viz., checkdam selection in agriculture area, checkdam selection in forest area, drainage treatment, farm ponds, farm ponds with seepage control, percolation tank across selection (wasteland), percolation tanks across streams, subsurface dykes

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**Home Page of JAIS**

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[Image of a map with various widgets and layers]
**Identify Widget**

This widget to allow identify results to be viewed on the side Based on All Visible layer or a Single Layer for Identify in drop Down Menu.

**Find Widget**

Under This Widget You Can Get the Result according to the Layer Available in Select Query Dropdown Menu.

**Example:-**

Suppose you find the query through District Wise than you have to select “Search District By Name” and then type “District Name” in Search Text Box”

Click on Search Button.

You can clear the result by Clicking on “Clear Search Button”. 
Draw Widget

This widget you can draw on the Map in Circle, Polyline, Freehand Polyline, Polygon, Freehand Polygon.
**Measurement Widget**

This Widget you can Measurement the distance Between Two Point. This widget also be facilitate to measurement the area.

**Print Widget**

This widget will help you to print the Resulted Map in PDF,JPG,GIF,PNG format.
**Advanced Search Widget**

Used together with widget to query feature layers. With this widget you can: 1. search by attributes 2. search by location 3. search by address 4. search by other selected features.