

## BHUVAN Platform

*Prelims: Current events of national and international importance*

### Why in News?

Recently, access logs of Bhuvan portal show that Jharkhand have accessed the Land Use Land Cover (LULC) data that was hosted on Bhuvan Panchayat portal.

- It is the **Indian Geo-portal of ISRO.**
- **Objectives** - To provide a platform to visualize remote sensing data and to download satellite data free of cost.
- To allow government departments to host customized applications to enable effective governance.
- **Working** - It incorporates Natural Language Processing methods, facilitating searches through both audio and text inputs.
- It integrates location intelligence into their applications for mapping, visualization, analysis, and more.
- **Role** - It can store, process, manage, visualize, monitoring and generating data products originating from different data sources.

Operation of Bhuvan Portal	
<b>Standard Mode</b>	Seamlessly <u>navigate maps</u> , explore points of interest, and access basic natural resource information with added voice-based search.
<b>Thematic Mode</b>	It offers <u>visualization, analysis, and download</u> options for various thematic datasets, prepared by NRSC in collaboration with stakeholders.
<b>Data Hub &amp; Analytics</b>	Explore multi-sensor satellite data, conduct advanced analysis, and access scientific datasets for research, development, and applications.
<b>Governance Mode</b>	Access <u>sector-wise governance applications &amp; citizen-centric applications</u> with user-friendly interfaces for efficient governance and decision-making.
<b>Disaster Services Mode</b>	Provide <u>near-real-time disaster alerts</u> , access emergency resources, and facilitate coordination and response efforts.

- **Know Your Resources (KYR)** - It provides for accessing detailed information about India's natural and man-made resources.
- **Bhuvan Store** - It serves as a vibrant catalogue for geospatial products, services, and applications, catering to diverse user needs and fostering innovation in the geospatial community.
- **Application** - Users can explore thematic data, such as 'waterbodies in Hyderabad,'

'builtup areas in Guntur,' 'forests in Pali,' and more.

- **Significance** - Planning and development, monitoring & evaluation, asset mapping and inventory creations, decision making, reporting & advisory, and resource management.

## Reference

[PIB| BHUVAN GIS Platform](#)

**Related News** - [Bhuvan Panchayat Portal](#)

