SISDP-phase 2

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***Source**: The Hindu*

Manifest pedagogy: Project implementation at the ground leve;l and use of technology has been one of the key themes in the 21st century. Space based applications of planning and development are chief amongst them.

In news: ISRO has launched the SISDP phase-2 project.

Placing it in syllabus: Panchayat Raj institutions

Dimensions:

- What is SISDP- phase 2?
- Its importance
- Applications

Content:

SISDP project is launched to **assist Gram Panchayats** at grassroot level with basic planning inputs derived from satellite data for preparing developmental plans, its implementation and monitoring the activities. **SISDP phase I Project was successfully concluded in the year 2016-17.**

What is SISDP- phase 2?

- **Space based Information Support for Decentralised Planning at Panchayat level (SIS-DP)** is a national initiative of preparing basic spatial layers useful in planning process at grassroot levels as per 73rd, 74th constitutional amendment of local self governance.

- **National Remote Sensing Centre(NRSC)**, located in Hyderabad is the **lead centre** to execute the project in

collaboration with various State Remote Sensing Centres.

- "**SISDP-Update**" has been initiated with enhanced objectives of providing value added geospatial products and services to aid Gram Panchayat development planning process of Ministry of Panchayat Raj (MoPR).
- The space agency will use its **geoportal – Bhuvan Panchayat V-3.0** – for database visualisation, data analytics, generation of automatic reports, model based products and services.

What is its importance?

- The data shared by ISRO helps in planning across rural parts of the country ranging from **e-government services to optimization of schools.**
- **Geospatial products and services are generated** unlike in the first phase wherein only a database was created.
- For the first time, **thematic database (on 1:10,000 scale) for the entire country is available** with integrated high resolution satellite data for planning which benefits the gram panchayat members and other stakeholders.

Applications:

- The technology is used for mapping of roads, canals, rails, drainage and water bodies.
- Used for proper location of places for agriculture, forests, ground water, land use and urban management.
- Helps in flood control, management of sodic land, projects of civil engineering etc….

Outcomes: