National geospatial Knowledge-based land Survey of urban Habitations (NAKSHA) Program

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Why in News?

Department of Land Resources (DoLR) is going to conduct the 2nd phase of capacity-building under the NAKSHA program across 5 Centres of Excellence (CoEs) in India.

- **Aim** - To ***create and update land records*** in urban areas to ensure accurate and reliable documentation of land ownership.
- **Covered areas** - Across 157 Urban Local Bodies (ULBs) in 27 States and 3 Union Territories.
- **Nodal Ministry** - Ministry of Rural Development.
- **Technical Partner** - The Survey of India, responsible for conducting aerial surveys and providing orthorectified imagery, through third party vendors, to state and UT governments.
- The end-to-end web-GIS platform will be developed by the Madhya Pradesh State Electronic Development Corporation (MPSEDC) and storage facilities will be provided by the National Informatics Centre Services Inc. (NICSI).
- States and Union Territory governments are scheduled to conduct field surveys and ground truthing using the orthorectified imagery, ultimately leading to the final publication of urban and semi-urban land records.
- **Funding** – It is a ***100% centrally funded*** program.
- **Geospatial Technology -** It utilizes advanced geospatial technologies, including aerial photography, LiDAR sensors, and GIS (Geographic Information System) integration.
- **Survey Methodology** - The survey involves aerial photography using drones equipped with cameras, including oblique angle cameras with LiDAR sensors, capturing high-resolution images.
- **Field Surveys** - Field surveys are conducted to verify the ground conditions and collect data on property ownership, tax information, and registration details.
- **Benefits** - This initiative will empower citizens, improve ease of living, enhance urban planning, and reduce land-related disputes.
- The IT-based system for property record administration will foster transparency, efficiency and support sustainable development.

Reference

PIB | NAKSHA Capacity Building Programme



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