

Ministry of Rural Development



DoLR Symposium on NAKSHA and LandStack: Future Mapping plans discussed

Modern land mapping is crucial for economic stability, strengthening property markets, and providing clarity and transparency in property records: Shri Manoj Joshi

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The Department of Land Resources (DoLR), Ministry of Rural Development, Government of India, holds the National Symposium on NAKSHA - (National Geospatial Knowledge-based Land Survey of Urban Habitations) and LandStack here today.



In his inaugural address, the Secretary, Department of Land Resources Shri Manoj Joshi emphasized the urgent need to transition revenue departments away from outdated, tape-based measurements and rough hand-drawn sketches towards latitude-longitude based digital sketches and GIS-linked registration systems. He stressed that modern land mapping is crucial for economic stability, strengthening property markets, and providing clarity and transparency in property records.



On this occasion, the Joint Secretary, LR Shri Kunal Satyarthi also provided a technical update. He highlighted that the Government is using modern technologies for aerial images. He said that the use of the Continuously Operating Reference System (CORS) is noted to allow surveyors to map 200 properties a day, a process that once took an entire day for a single land parcel. He further stated that the major exercise across 157 cities is piloting a unified "Urban property card," a single authoritative record that integrates registration deeds, municipal tax records, and existing land documents. Additionally he noted that the advanced techniques like LiDAR and oblique cameras are being deployed across 20–30 states to address complex urbanization and difficult terrains.

Shri Shyam Kumar Director LR concluded the session with a unified call to accelerate the NAKSHA program's momentum, build modern GIS-based software, and ensure nationwide land data for improved ease of living and doing business.

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