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When indigenous telecom, AI, and agri-tech ecosystems unite, *Smart Kisan, Viksit Bharat* becomes an immediate, replicable reality.

From National Vision to Village Reality:

How Satnavari is Already Living the PM's Agri-Tech Roadmap

Today at the *Kisan Tak Bharat Agriculture Conference*, Hon'ble Prime Minister Shri Narendra Modi laid out a transformative vision for Indian farmers—moving away from guesswork toward precision agriculture powered by **AI, IoT sensors, drones, real-time soil testing, and sustainable water and chemical management**.

At **VoICE (Voice of Indian Communication Technology Enterprises)**, we couldn't be prouder—because every single pillar the Hon'ble PM spoke about today has already been engineered, integrated, and validated on the ground by our consortium of indigenous Indian tech innovators at **Satnavari (Nagpur, Maharashtra)**.

Inaugurated on August 24, 2025, Satnavari stands as the **world's first live implementation of the global ITU-T Recommendation Y.4218 standard** for Smart Villages.

Here is how Satnavari turns today's national vision into measurable ground impact:

- **AI & Connectivity:** High-speed optical fiber and localized Wi-Fi deliver real-time weather, pest, and market alerts directly to smallholders' mobile phones.
- **Real-Time Soil Diagnostics:** Embedded IoT sensors continuously track NPK and moisture levels, replacing lab delays with instant data.
- **Drones & Chemical Reduction:** Autonomous, GPS-enabled drones spray inputs strictly where AI detects deficiencies—cutting fertiliser costs by **30%** and protecting Mother Earth from chemical runoff.
- **Water & Aquaculture:** Smart irrigation saves **25–40% water**, while IoT pond sensors have capacity to boost local fishery yields.

Isolated "islands of excellence" are only the beginning. Following our recent policy submissions to the **Policy Makers**, the VoICE Consortium is ready to scale this indigenous, interoperable blueprint across **250 Smart Samriddhi Villages in 17 States**. Similarly, 75 AI Smart villages in Maharashtra also can get support from VoICE Consortium.

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#AgriTech #SmartVillages #DigitalIndia #ArtificialIntelligence #Drones #IoT #AtmanirbharBharat #MakeInIndia #Satnavari #ViksitBharat #IndianTelecom #PrecisionFarming #PM #MOC #MOSC #Director General VoICE #Rakesh Kumar Bhatnagar