



DID YOU KNOW?



Water Coverage (India)

- **KWA Plans ₹45 Crore Sewage Recycling Plant in Thiruvananthapuram:** Kerala Water Authority is developing a **₹45 crore** tertiary sewage recycling project at Muttathara, featuring a **15 MLD** treatment plant to process effluent from the existing **107 MLD** STP. The facility will supply recycled water via a **~10 km** pipeline network to buyers including the airport, Railways, Titanium, Veli Industrial Estate, and Technopark. With administrative sanction completed and tendering underway, construction is slated for **12 months**, though tariffs and supply agreements remain unfinalized.



- **Non-Revenue Water Threatens India's Urban Water Security:** India's Non-Revenue Water stands at **31%**, against AMRUT 2.0's target of below **20%**. Globally, **30%** of treated water is lost (~**9.5 trillion litres**), and the World Bank projects a **40%** supply-demand shortfall by **2030**. An IMF 2025 paper estimates average losses of **36%**. Benchmarks include Cambodia's PPWSA, which cut losses from **70%** to below **6%**, and Singapore's PUB, which reduced leaks to **4.5 per 100 km**.
- **Ladakh's "Ice Man" Builds Artificial Glaciers for Water:** Engineer Chewang Norphel, the Padma Shri-awarded "Ice Man of Ladakh," builds artificial glaciers to tackle water scarcity in Himalayan villages. His gravity-fed technique diverts winter stream water into shaded, stone-embanked areas that freeze into ice sheets, melting by April-May — weeks before natural glaciers — to irrigate the critical sowing season. Community-built and low-cost, his innovation has influenced Sonam Wangchuk's Ice Stupa project and is recognized as a climate adaptation model.

Source: ET Infra, EA Water (October 19, 2026)

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