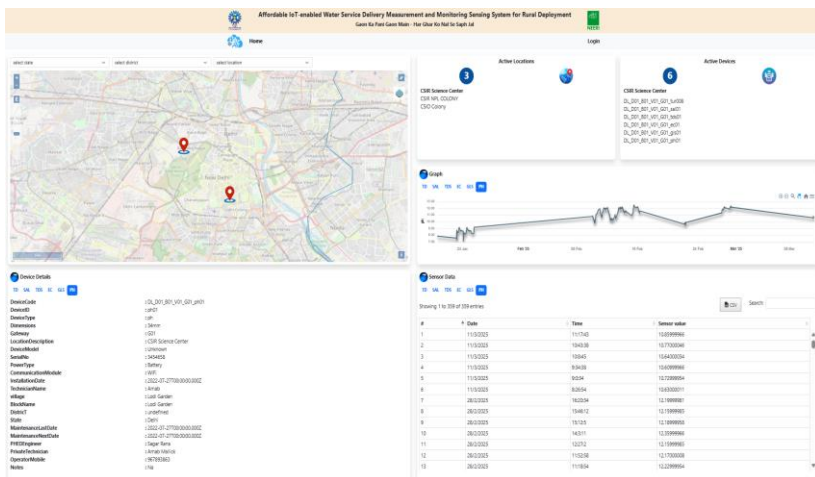# IoT Dashboard for Water Quality Visualization

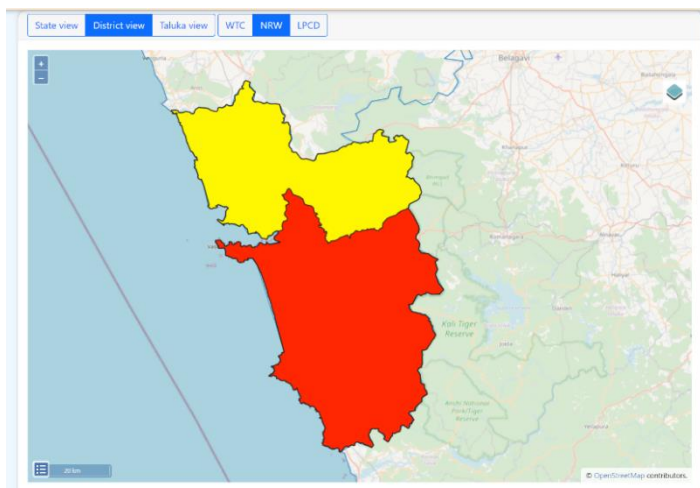**Task Leader:** Er. Asheesh Sharma   **Lab name:** CSIR-NEERI

1. IOT database as per JJM guideline prepared
2. Connectivity between IOT node, Gateway cloud and Dashboard established and tested successfully
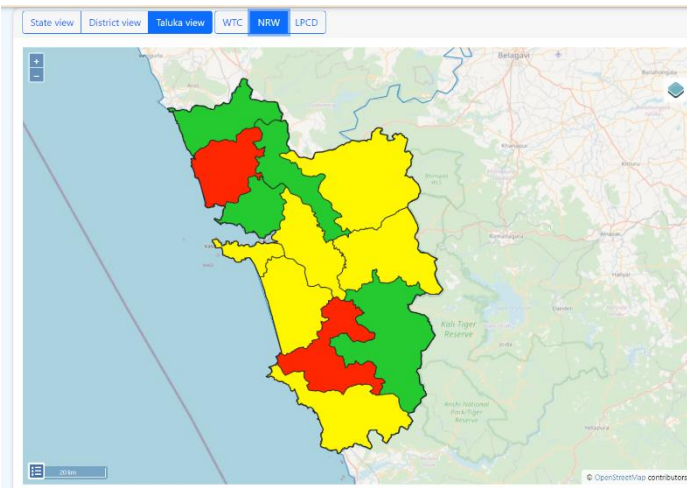3. Live demonstration of Dashboard for CSIR-HQ and NPL completed.

Dashboard

https://hargharnal.neeri.res.in

NRW at District Level

NRW at Taluka Level

Features
- Monitoring Location, Sensors Details, Live Data Display pH, GLS, TDS, Salinity, EC
- GIS Based Visualization of Water Sensors Data
- Metadata of Sensors with CSV download facility
- Cloud storage, OGC Compliance, Support Secondary Data Visualization i.e. NRW, Consumer Complaints etc

Status of Commercialization

- Docker based packaging of software completed and tested
- Component cost estimation done. Approval for Component Authority under process
- Technology Readiness Level (TRL) – **Achieved TRL 5**, demonstrating validated functionality in a real-world operational environment.
- Copyright Registration No:**SW-20070/2025, dated January 14, 2025**