



FMDA Launches Groundwater and Humidity Monitoring Project

Why in News?

Recently, The **Faridabad Metropolitan Development Authority (FMDA)** has introduced a project to monitor [groundwater](#) and [humidity levels](#), aiming to address [water depletion issues](#).

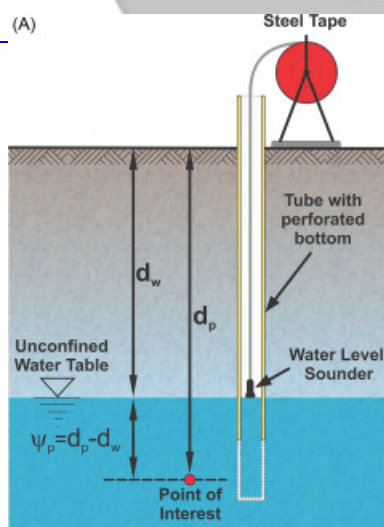
Key Points

- **Project Overview:**
 - The FMDA plans to install 100 [piezometers](#) in urban areas of Faridabad to monitor groundwater and underground humidity levels.
 - The project, costing around **Rs 9.5 crore**, is part of a pilot initiative also being launched in **Gurugram**.
 - These instruments will provide **real-time data, helping authorities understand groundwater conditions** and contributing factors for its depletion.
- **Technological Setup:**
 - Piezometers, specialized sensing devices, **will measure groundwater pressure and humidity across a radius of 1,000 meters per unit**.
 - The system will provide 24/7 monitoring, allowing for online data tracking. This technology, developed by **APCOS Limited (formerly Water and Power Consultancy Services)**, falls under the [Ministry of Jal Shakti](#).

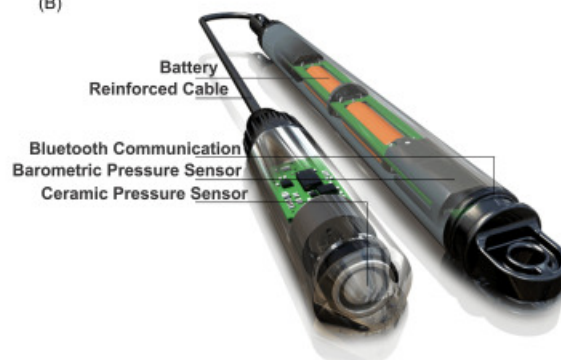
Piezometer

- A piezometer is a tube with an open bottom that measures the pressure of groundwater or the pressure of a body of water against the sides of its container.
 - The word piezometer comes from the Greek prefix piezo-, meaning “pressure,” and the root meter, meaning “to measure”.

⌋ (A)



(B)



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