

Figure 1:
Hot-tap Feature of ABB
AquaProbe Insertion
Magmeters Offers
Installation without
Interrupting Flow.

ABB

FLOWMETERS UPGRADE POTABLE WATER DISTRIBUTION IN INDIA

By ABB



THE PROJECT IS PART OF A GOVERNMENTAL EFFORT
TO REVERSE THE ENVIRONMENTAL DEGRADATION IN
INDIA'S LARGEST CITIES.

Figure 2:
AquaProbe2
Electromagnetic
Insertion
Flowmeter with
Transmitters.



ABB is providing 165 AquaProbe electromagnetic insertion flowmeters for a USD 400 million environmental improvement project in the Indian state of West Bengal. The flowmeters will help the local utility upgrade its distribution network for potable water. www.abb.com/instrumentation

The project is part of a governmental effort to reverse the environmental degradation in India's largest cities. Based on data from the flowmeters, the utility plans to reduce system losses, improve efficiencies, and lay the groundwork for design and distribution decisions.

Tejbir Singh, ABB's Marketing & Business Development Manager in the area, notes that AquaProbe flowmeters are well-established for use in clean water applications worldwide. This fact helped tip the customer decision toward AquaProbes as the flowmeter of choice.

"AquaProbe insertion flow meters permit installation without interrupting normal water supply," says Singh. "AquaProbe finds application in existing water distribution systems where no provisions for flowmeters were originally made and where a full-bore flowmeter would be prohibitively expensive." Line sizes possible range from about 8 to 315 inches (200 - 8000 mm).

Additional benefits of the AquaProbe flowmeters include bi-directional operation, AC or DC power, and compatibility with AquaMaster and

WaterMaster transmitters. Options include environmental friendly wind/ solar power and features like on-board data loggers and access via GSM networks.

Singh says that the project bodes well for further ABB flowmeter installations in the area's emerging clean water infrastructure development.

About the Contributor

ABB is a global provider in power and automation technologies. Based in Zurich, Switzerland, the company employs 150,000 people and operates in approximately 100 countries. The firm's shares are traded on the stock exchanges of Zurich, Stockholm and New York. ABB's business is comprised of five divisions that are in turn organized in relation to the customers and industries we serve. The company has seven corporate research centers around the world.

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