



REF:INABB:STATUT:LODR:PRESS REL:

December 8, 2020

BSE Limited  
P.J. Towers  
Dalal Street  
Mumbai 400 001  
**(Attn : DCS CRD)**

National Stock Exchange of India Ltd  
Exchange Plaza, 5<sup>th</sup> Floor  
Plot No. C/1, G Block  
Bandra-Kurla Complex, Bandra (E)  
Mumbai 400 051

Attn: Listing Dept.

Dear Sirs

Sub: Press Release

We are sending herewith a copy of Press Release, which is being issued by the Company today to the media, for the information of the Stock Exchanges, as required under the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015.

Thanking you

Yours faithfully  
For ABB India Limited

**B Gururaj**  
General Counsel & Company Secretary  
FCS 2631

Encl: as above

---

BANGALORE, INDIA, DECEMBER 8, 2020

# ABB supports India's Koppal district to ease water shortages with digital water management solutions

In a unique project led by L&T Construction Water & Effluent Treatment IC for the Government of Karnataka, ABB's end-to-end solutions will help the local water authority to track, measure and optimize water use in this drought-stricken region of southwest India, as well as pump and distribute clean treated river water to village homes. The solution includes 635 digital flowmeters and technologies to improve control at pumping stations and reservoirs.

With a population of around one million people, the Koppal district is regularly challenged by water shortages. Until now, responses have ranged from preserving ancient wells to following age-old water conservation practices, but thanks to digital technologies, the Kushtagi and Yelburga villages will soon benefit from ABB's digital water management solutions as part of a multi-village clean drinking water scheme.

Koppal needed solutions that could effectively monitor water flow and manage leaks to reduce non-revenue water and achieve overall productivity improvement in a widely dispersed water distribution network set-up. L&T Construction Water & Effluent Treatment IC, the lead contractor for the project, chose ABB Ability™ Symphony® Plus SCADA and ABB's AquaMaster 4 flowmeters for the project, sanctioned by the Rural Water Supply & Sanitation Department, Koppal, Karnataka.

ABB's engagement spans the end-to-end automation and instrumentation of the project, from the pumping station at the river to the treatment of clean drinking water. The route comprises 620 overhead tanks and 16 reservoirs. The project involves putting in place a network of RTUs (remote terminal units) for remote locations and pumping stations and ABB Ability™ Symphony® Plus SCADA to supervise and control the operation. ABB Ability™ Symphony® Plus SCADA is designed to maximize reliability and availability of water plants and networks through integrated information management, integration of equipment, and process optimization based on the entire water network data for safer and enhanced operations.

The SCADA solutions help monitor and analyze daily flow consumption patterns thereby identifying possible leaks and sending the information in real-time to the central control room. This helps to avert water loss because it means that leaks are identified and can be repaired swiftly.

ABB's AquaMaster 4 electromagnetic flowmeters, running on battery power, will offer reliability even in low flow conditions, in areas where most mechanical flowmeters would fail. They offer measurement accuracy down to flow velocities lower than 0.1m/s where most meters struggle to even detect flow. As the vast majority of leaks are small but continuous, the ability of AquaMaster to detect small variations in flow is crucial in combating the water shortage challenge in the Koppal district.

The AquaMaster 4 is a first of its kind digital flowmeter that is easy to install and use. Its unique Velox Mobile App interface saves time and resources by eliminating the requirement for special cables, tools or the input of a trained engineer to set up the meter or read data on it. The device is largely self-sufficient in operation, with automatic self-health check and auto calibration features. ABB Velox App uses near-field communication (NFC), protected by strong encryption to avoid eavesdropping or tampering.

With inbuilt tamper-proof datalogging, self-diagnostics, and a smart integrated GPRS communication module, AquaMaster 4 facilitates automated meter reading (AMR) and links to an automatic billing system, providing transparency in consumption data, with user-specific tags and access control. GIS (geographical information systems) enable preventive maintenance and permit easy navigation to the site of a potential leak, thanks to Google Maps GPS assistance. The meters can be verified by the ABB Ability Verification™ for measurement devices solution, which extends the lifecycle of the product, validates accuracy, and provides the customer with a health-check report in accordance with the ISO9001 standard. This makes AquaMaster 4 a perfect choice for Advance Metering Infrastructure (AMI) projects.

G Srinivas Rao, Head of ABB Measurement & Analytics in India, said: “As India moves swiftly towards smart and sustainable villages, towns and cities, one of the key challenges is water management. This project shows how ABB’s digital water management solutions can be deployed not only in cities but also to provide clean, drinking water in the villages that are crucial to our agrarian economy. We are proud partners in this project in the state where ABB India is headquartered, and in the district which contributes so significantly to our agricultural output.”

ABB flowmeters are also in operation in cities across India, including Delhi, Bangalore, Surat, Ranchi, Kolkata, Udaipur, Chennai, and in semi urban and rural areas like Gadag in Karnataka and Jawai in Rajasthan. As Koppal looks at the next level of growth in industries and agriculture, this major water management project will ensure the availability of infrastructure facilities for the district to forge ahead.

ABB (ABBN: SIX Swiss Ex) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB’s success is driven by about 110,000 talented employees in over 100 countries. [www.abb.com](http://www.abb.com)

**For more information please contact:**

**Sohini Mookherjea**

Phone: +91 9632726608

Email: [sohini.mookherjea@in.abb.com](mailto:sohini.mookherjea@in.abb.com)