

## Water - The elixir of life

# BARC water technologies now bring smiles to train commuters

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**B**habha Atomic Research Centre (BARC) has taken yet another stride in its pursuit to make available its water purification technologies for the benefit of wider sections of the society. Under the pilot project for demonstration and deployment of water technologies across India, BARC has joined hands with Indian Railways to cater to the drinking water requirements of commuters at prominent railway stations in Mumbai region.

Ten units of water purification systems equipped with BARC's ultrafiltration membrane technology were commissioned at busy railway terminals and stations, with 3 units capable of processing 750 litres per hour (lph) deployed at CSMT, 4 units of 500 lph capacity at LTT, 2 units of 500 lph capacity at Dadar; and 1 unit of 750 lph capacity at Dockyard Road Station were deployed on a pilot mode.

These water purification-cum-dispensation units were officially handed over on 27<sup>th</sup> of January this year. Senior scientific officers of BARC, Department of Atomic Energy (DAE) and Indian Railways officials and BARC technology partner (licensee) M/s. Osmotech Membranes Pvt. Ltd graced the event.

BARC water technologies are characterised for their uniqueness, cost-effectiveness, and place-and-case-specific membrane-based robust systems for effective treatment of ground/surface water to make water free from suspended solids, microbial contamination, arsenic, iron, fluoride, heavy metals, nitrate and salinity etc., both at domestic as well as community-scale.



Senior officials of DAE, BARC and Indian Railways present during the handing-over ceremony of water purification systems. BARC Photo.



**Above:** BARC technology equipped water purification-cum-dispensation unit commissioned at CSMT railway station, Mumbai. BARC Photo.