

September 2021

Green Way

Newsletter

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(An IIT Madras incubated /graduated Environmental Engg company)

GreenenvironmentIndia spreads its wings across India and moves overseas too

In the month of July and August 2021, RTM 2.0 (IoT based Real Time Monitoring of Quality and Quantity of fresh and recycled water) installations were completed in the states of Gujarat, Rajasthan, Uttarakhand, Telangana, Maharashtra, Union Territory of Ladakh and of course in our home territory of Karnataka and Tamil Nadu.

ICT Grand Challenge: The highlight of the month of August

was deployment of RTM 2.0 in 25 villages for public water distribution, under ICT Grand Challenge project - for development of

“Smart water supply measurement and monitoring system”, funded by Ministry of Electronics and Information Technology & National Jal Jeevan Mission (NJJM). The 25 villages are spread over - 2 in the Kargil district of Union Territory of Ladakh, 10 villages in Mehsana district, Gujarat and 13 villages in Ramnagara district, Karnataka.

At IIT Roorkee: RTM 2.0 was installed for the STP at IIT Roorkee Campus situated at the foothills of Himalayas, in Hardwar district, in the state of Uttarakhand through our partner for Daiki Axis India (P) Ltd.

Overseas: In Doha, Qatar, RTM 2.0 installation was done at Al-Sharshami Villa - through our partner Zest Trading & Contracting co. WLL and in Johannesburg, South Africa through our partner Selectra Watertech.



Prima Bay - L & T Realty IT Park, Mumbai, Club Mahindra, Kumbhagarh, Rajasthan, Divijaya Commercial Properties (P) Ltd, Hyderabad, FHSLT of IIHS at Darapuram, Tirupur and IndiaLand Tech Park, Coimbatore are some of the other key customer site installations



A recent installation of RTM AstroSCAN with pH, TDS and Turbidity, at Prima Bay, Mumbai

Wastewater recycling and reuse

- Fresh water resources can be preserved if wastewater is recycled and supplied for non-potable purposes.
- Recycle and reuse of wastewater helps to save money spent on fresh water, which becoming costly day by day.
- Government of India has set 135 litre per capita per day (lpcd) as the benchmark for urban water supply

and for rural areas, it is 55 lpcd. However, an individual requires around 25 litres of water daily for meeting his/her basic hygiene and food needs according to the World Health Organization (WHO). The rest is used for non-potable purposes like washing, cleaning etc. It means for most of the non-potable uses, a quality lower than drinking water is required.



Wastewater recycling and reuse under Haritha Keralam Mission

The Water Conservation programme under Haritha Keralam Mission, being implemented by the Government of Kerala envisions to renovate the existing water surfaces ensuring pure and clean water in the local areas and to introduce a new culture for water consumption. Water conservation measures, promoting wastewater recycling and reuse are included as one of the important activities prioritized under the Haritha Keralam Mission. The mission also aims to control wastage of fresh water at the domestic level and regulate the supply of fresh water to the industries and other commercial establishments.



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