



P.R.No. 49/2025

Date: 09.06.2025

Press Release

**Air Conditioning Condensate Water Recovery and Reuse Plant Inaugurated at
Chennai Metro Rail Head Quarters Building - MetroS, Nanadanam**

Chennai Metro Rail Limited (CMRL) launched an Air Conditioning Condensate Water Recovery and Reuse Plant at its MetroS Headquarters in Nandanam as part of its Sustainability Goals. The plant was inaugurated by Thiru. M.A. Siddique, I.A.S., Managing Director of CMRL, Thiru. T. Archunan, Director (Projects), Thiru. S. Krishnamoorthy, Director (Finance), Thiru. Manoj Goyal, Director (Systems and Operations), Thiru. A.R. Rajendran, CGM (RS), Thiru. R. Murali, CGM (F&A), Dr. Rajeev K. Srivastava, Chief Advisor (Environment), Thiru. Gopinath Mallya, Chief Advisor (O&M), Thiru. S. Ramasubbu, Advisor (O&RS), Thiru. S. Karthikeyan, AGM (E&M), Thiru. K. Sudhakar, AGM (Maintenance), along with other CMRL officials were also present during the occasion.

The Headquarters of Chennai Metro Rail Limited MetroS building in Nandanam, is certified with Indian Green Building Council – Platinum standards. Spanning 12 floors with a basement, it is fully air-conditioned and complies with various green building norms. The building was inaugurated by the Hon'ble Chief Minister of Tamil Nadu on October 27, 2022.

The buildings houses 43 Air Handling Units (AHUs) and 29 Ceiling Suspended Units (CSUs) for providing Air Conditioning and efficient cooling across all the floors and critical rooms with an installed cooling capacity of 1750 TR. During the air conditioning process, humid air condenses while passing through the cooling coils of AHUs and the water droplets are captured in the drain pan, which in normal course would be discharged as wastewater.

The Condensate Water Recovery and Reuse Plant is conceived and designed to collect the condensate water from all the AHUs and CSUs located in all the floors and reuse it for domestic usage. Through this project, CMRL is able to generate an average of 10,000 Litres of water every day, which amounts to approximately 25% of the total water consumption of the building. The Plant was designed and installed by CMRL Electrical & Mechanical (O&M) wing at a cost of Rs. 1.5 Lakhs and the Plant results in a generation of 3,650 Kilo Litres water every year (average) and a recurring annual savings of Rs.6.00 Lakhs every year towards water charges.

This initiative is aimed with CMRL's Reduce, Reuse & Recycle Principle and marks a significant step towards preserving the precious Elixir of Life, Water.

**Issued By: Public Relations Department,
CMRL, Chennai – 600 035.**