

100 MLD SWRO DESALINATION PLANT AT NEMMELI

To have a long-term drinking water requirement of the growing Chennai city and to drought proof the city, the Government of Tamilnadu has decided to set up Sea Water Desalination Plants as reliable source way back in 2004. The Government of Tamil Nadu accorded Administrative Approval for the work of "Construction of 100 MLD SWRO Desalination plant at Nemmeli" at a cost of Rs.914.42 Crore with GOI grant of Rs.871.24 Crore and Rs.43.18 Crore from Go TN for this project

The 100 MLD Desalination Plant at Nemmeli has been installed under Engineering Procurement and Construction contract (EPC) mode through M/s VA Tech Wabag, Chennai in consortium with M/s IDE Technologies, Israel. The foundation stone laying ceremony of this project was held on 23.02.2010 and the work was completed and was in operation from the year 2013.

The plant was enhanced to sustain the designed capacity of the plant (100 MLD) to treat the sea water upto a TSS value of 300 ppm in the pre-treatment section and to enhance the capacity of the plant to additional 10 MLD by adding additional pretreatment unit of lamella clarifiers, dual media filters and 2 nos of RO trains.

The Operation & Maintenance of the plant was completed on 30.06.2021 and the fresh tenders were received for Operation & Maintenance for the next 7 years and are under evaluation.

Water produced from this Plant is being supplied to the southern parts of Chennai City viz. Sholinganallur, Neelangarai, Injambakkam, Karappakkam, Semmenchery, Thoraipakkam, Perungudi, Kottivakkam, Palavakkam, Thiruvanmiyur, Velachery, Taramani, Pallipattu, Adyar, Besant Nagar, Nandanam, MRC Nagar, Raja Annamalaipuram and Mylapore. About 10 lakh people are being benefitted by this project.