

CONSTRUCTION OF 45MLD TERTIARY TREATMENT AND REVERSE OSMOSIS PLANT AT KODUNGAIYUR

The Chennai city is covered with 98% sewer network. There are 12 sewage treatment plants at 4 locations covering 5 zones of sewerage system. The project area falls under **Zone I & II**, covering an area of 86.14 sq km with a population of 16.5 lakhs (As per 2011 census). There are three treatment plants of 80 mld, 80 mld and 110 mld capacity totaling 270 mld exist at Kodungaiyur for treating the sewage generated in the North Chennai & part of Central Chennai City area and Adjacent Urbanised areas of Mahavaram & Kathivakkam. The present generation of sewage from Zone I & II and adjacent urbanized areas is about 225 MLD



The Hon'ble Chief Minister of Tamilnadu has made an announcement under Rule 110 in the State Assembly that the waste water has to be recycled and reused. Accordingly, CMWSS Board has proposed to set up a Design, Build and Operate (DBO) of 45 MLD Capacity Tertiary Treatment Reverse Osmosis (TTRO) Plant at



Kodungaiyur including Supply and laying DI Transmission mains for conveyance of Product water to various industries in Manali area, Chennai for about 28.50 KM.

The Detailed Project Report was prepared at a cost of Rs.255.00 crores for this project.

Tamil Nadu Sustainable Urban Development Programme (TNSUDP) and World Bank has accorded

approval for carrying out the work at an estimated cost of Rs.255.00 crores

Conveying treated water through pipe 800 / 600 / 300 mm dia DI pipe with inside cement mortar lining to a length of 19.00 KM, 7.00 KM & 2.50 KM respectively.

DEMAND ASSESSMENT FOR TTRO WATER :

The work of demand assessment from industries in North Chennai city was entrusted to M/s ITCOT Consultancy and Services Ltd and after a detailed survey of the industries in Manali -Ennore corridor & Manali-Minjur corridor, the consultants have furnished the anticipated water demand for the year 2015,2020& 2030 as detailed below.

Details	2015	2020	2030
Manali Ennore corridor	10.83	17.12	17.56
Manali Minjur Corridor	18.17	52.88	57.44
Total Quantity in MLD	30.00	70.00	75.00

CONTRACT AWARDED DETAILS:

The work was awarded to the contractor M/s. BGR Energy Systems Ltd., Chennai 600 018 for a contract value of Rs.235,00,00,006/- towards construction cost and. Rs.205,00,00,000/- towards Operation and Maintenance Cost for 15 years. The said work was awarded on 25.11.2016. The above said work has been commenced on 23.12.2016. The completion period for the work has been fixed as 24 months from the date of commencement of work.

PROGRESS OF WORK (AS ON 08.06.2017):

Physical Progress: - 0% (Preliminary works like site cleaning, soil testing and construction of site office have been completed, Design and drawings are under scrutiny)

Financial progress: - NIL

Probable date of completion: - 31.12.2018.