

## **Installation, Commissioning and Operation of 1000 LPH RO Plant with Water ATM facility at Somthana Village, Dist. Nanded, Maharashtra**

Under the DAE sanctioned project “Deployment of Water Purification Technologies in 50 Villages in India”, a 1000 LPH RO plant along with Water ATM (Smart Card Dispensing System) was installed and commissioned, and inaugurated on 27<sup>th</sup> Nov, 2019 at Somthana Village of Nanded District, Maharashtra, which is affected with nitrate (140-150 ppm) and salinity (1200-1400 ppm). The plant has been handed over to the Somthana Gram Panchayat after 3-days of run in presence of BARC officials, under MoA between between BARC and the Gram Panchayat valid for 3 years. For the first 4 days (27-30 Nov), the product water was distributed to the villagers free of cost, and presently the plant is catering to the drinking water requirements (as per Indian Standard 10500) of about 2500 population in the village. Already more than 100 households have registered for the Water ATM card, and the process of registration is underway. The charges applicable for the beneficiary (villagers) is Rs. 5 /- per every 20 liters of product water, towards regular O&M of the plant being carried out by the Somthana Gram Panchayat (as a part of MoA). The provision for usage of reject water has also been made in this plant for cattle drinking water use, non-potable applications by the villagers, as well as ground water recharge through a soak pit. The village level entrepreneurs have been identified and are trained by the BARC licensee for about a month for smooth operation and up-keep of the plant.



