

**Title:**

Safe drinking water for BSF Jawans at Rann of Kutch, Gujarat

**Content:**

Under the DAE's societal vision on Water & Waste Management, BARC has taken up a Project on deployment of water purification technologies in rural and remote locations of India in order to showcase its in-house developed technologies. Under this Project, two numbers of water purification units, each of 12,500 LPH capacities, are deployed at Border Outpost (BOP), Kutch, Gujarat; one at BOP Khardoi and another at BOP Sandeep. The heart of the units is the high solute rejecting membranes based on the indigenous technology developed by BARC. The units are catering to the potable and non-potable water requirements of BSF personnel at the Kutch Border sites, wherein the groundwater is affected with 12,000 ppm of salinity, amongst other contaminants like hardness, nitrate etc. The water treatment units were formally inaugurated on 15<sup>th</sup> Dec, 2022 by Shri K. T. Shenoy, Director, Chemical Engineering Group, BARC and Shri Anant Singh, DIG, BSF in presence of Shri A. K. Adak, Head, DMTD; Shri Sanjay Avinash, Commandant, 74 BN, BSF; Shri Dinesh Ramanuj, EE, GWSSB (Bhuj) and other dignitaries of BARC, BSF and Water Department of Gujarat.



Inauguration of water treatment unit at Sandeep BOP



Inauguration of water treatment unit at Khardoi BOP



12500 LPH capacity water treatment unit



12500 LPH capacity water treatment unit (Inside view)