

Rajasthan set to witness technology led growth in Water-RO purification business

The progress and application of water treatment technologies have been mostly motivated by some significant factors like the discovery of new rare pollutants, proclamation of new water quality standards and cost-effective technologies for commercial and household purpose. For a significant length of time, chemical clarification, granular media purification and chlorination were almost the only processes used in civic water treatment. Nevertheless, the past two to three decades have seen a significant change in the approach to water treatment, like alternative treatment technologies in comparison to the traditional filtration/chlorination treatment method.



To address such advancements in water RO purification and emerging manufacturing opportunities in Rajasthan, World Trade Center Jaipur collaborated with MSME DI Jaipur, Ministry of MSME, Government of India, CSIR-CMERI, Durgapur, Public Health Engineering Department (P.H.E.D.), Government of Rajasthan and Water Trade Association of Rajasthan to organize a webinar on 'Technological Advancements in Water-RO Purification and Opportunities of Manufacturing in Rajasthan'. This webinar acted as a platform to all stakeholders to brainstorm and evaluate the technological advancement that could be provided at affordable costs to the user.

Mr. D.R. Solanki, Addl. Chief Engineer Region- II, Public Health Engineering Department (P.H.E.D.) Jaipur, Government of Rajasthan, expressed that the Public Health Engineering Department (PHED) is committed to provide potable water to every citizen in the state of Rajasthan. He mentioned that despite being the largest state of the country (in terms of area), Rajasthan has meagre water resources, as erratic rainfall, depleting water table and huge livestock make the task of providing potable water very challenging. Apart from that, the quantity as well as the quality (fluoride, salinity etc.) of available water makes PHED's task even more difficult. "Despite these hurdles, PHED is leaving no stone unturned to fulfil its commitment. With a state-wide office network and use of state-of-the-art Reverse Osmosis, De-fluoridation, SCADA, IT and Solar Energy technology, PHED is able to provide safe drinking water in the remotest places of Rajasthan." explained Mr. Solanki. He also informed that PHED is shifting from ground water-based schemes to surface water source-based schemes in a phased manner. This will help in combating water quality problem and make potable water supply sustainable. Concluding his speech, Mr.

Solanki urged the participants that water being a precious resource, its judicious use by the public will certainly help PHED to serve the state better.

Chief Speaker, Prof (Dr.) Harish Hirani, Director, CSIR-Central Mechanical Engineering Research Institute (CMERI), Durgapur, Ministry of Science & Technology, Government. of India said “Water innovations of CSIR-CMERI are inspired from real-life implications and incidences. The primary focus is to maximize the outreach of cost-effective technology innovations to the micro and small enterprises. High-end and cutting-edge water purification solutions often do not penetrate in the most marginalised geographical regions, thus CSIR-CMERI developed technologies focused exclusively upon these priorities.”

Mr. Navneet Agarwal, Assistant Director – WTC Jaipur, requested participants to take maximum benefit of the webinar and engage with MSME DI Jaipur, CSIR-CMERI, P.H.E.D. Rajasthan, Banasthali Vidhyapith Rajasthan and IIM Udaipur Incubation Center to explore manufacturing opportunities with their support.

Mr. V.K. Sharma, Director, MSME-DI, Jaipur, Ministry of MSME, Govt. Of India, urged all MSMEs to anticipate the future and get ready to tackle the scenario and focus on skill upgradation.

Mr. Pradeep Ojha, Dy. Director, MSME-DI, Jaipur, Ministry of MSME, Govt. Of India, while delivering the theme address requested all technology providers to keep the platform cost effective, not just for the industrial segment but household section as well.

Dr. Suphiya Khan, Founder and Director, Drumlins Water Technology Pvt. Ltd., Atal Incubation Centre (AIC), Banasthali Vidyapith (Rajasthan), explained the possibility of developing affordable Defluoridation Technology using Nanobiotechnology approach.

Mr. N. D. Sharma, President, Water Trade Association of Rajasthan shared a detailed overview of the RO Manufacturing scenario in Rajasthan.

Mr. Subhojit Roy Founder & CEO, Koro Solutions Pvt Ltd, IIM Udaipur Incubation Center,spoke on how eco-friendly health-pro reliable water purifiers can redefine the RO water purifier concept.

Guest speakers also responded to a number of queries by participants and ensured support going forward.

Vote of thanks was proposed by Mr. Sanjeev Jha, General Secretary, Water Trade Association of Rajasthan.

The webinar was held on September 29, 2020.