

Ministry of Drinking Water and Sanitation

Ongoing R&D Project (Water Sector)

Sl. No.	Title of Project	P.I. Name & Institute.
01.	Design and Fabrication of high capacity ceramic membrane module and arsenic removal plants for attachment to contaminated deep tube wells.	Shri Sibdas . Bandyopadhaya, Chief Scientist & Head Ceramic Membrane Division, Council of Scientific and Industrial Research (CSIR), Kolkata 700 032.
02	Development of catalytic systems for reduction of nitrate in drinking water.	Dr. Rajesh B. Biniwale, Senior Scientist, Environmental Materials Unit, National Environmental Engineering Research Institute (NEERI), Nehru Marg, Nagpur 440 020.
03.	Improvement of Drinking Water quality from surface water ponds by applying zero energy technologies	Dr. S. Kanmani, Centre for Environmental Studies (CES) Anna University, Chennai – 600025 (TN)
04.	Salinity and trace elements associated with water reuse in irrigated system; process, sampling protocols, remediation technology and site – specific management of soil and water in tannery industrial area of Kanpur and Unnao.	Dr.Padma. S. Vankar, Principal Research Scientist, Facility For Ecological and Analytical Testing 302, Southern Laboratories, IIT, Kanpur 208016.
05.	Ultrafiltration Membrane for Arsenic, Chromium and Nitrate Rejection	Prof. Gopal P. Agarwal, Department of Bio-Chemical Engineering & Bio-Technology, Indian Institute of Technology (IIT), Delhi, Hauz Khas, <u>New Delhi - 16.</u>

06	Design Development and Field Testing of Solar Energy Based Electrolytic Defluoridation Unit for Potable Water Supply.	Dr. (Mrs) Vijaya A. Joshi Sr. Technical Director / Dr. Pawan.K. Labhassetwar Scientist & Head, National Environmental Engineering Research Institute (NEERI), Nehru Marg, Nagpur 440 020.
07.	Study and set up demonstration plot for phyto-remediation techniques of water recharge in streams at hilly terrain in Nainital district,	Dr. Naresh Gopal Srivastava, Deputy General Manager, (PCRI) Bharat Heavy Electricals Limited, (BHEL) Pollution Control Research Institute, Ranipur, Haridwar(Uttaranchal)
08	Groundwater and surface water remediation through biofilters for metals and colour removal in Balotra, Rajasthan.	Dr.Padma. S. Vankar, Principal Research Scientist, Facility For Ecological and Analytical Testing 302, Southern Laboratories, IIT, Kanpur 208016.
09.	Development of Standardized Design Procedure and Type Design for Small Elevated Service Reservoirs”,	Dr. R.K. Ingle, Deptt. of applied Mechanics, Visvesvaraya National Institute of Technology, Nagpur.-440010
10	Disinfection By-products Formation and their Management in Water supplies in India. ISM, Dhanbad.	Dr. Sunil K. Gupta, Asstt. Professor, Indian School of Mines, Dhanbad,
11.	Nitrate removal in membrane bioreactors using indigenous membranes.	Dr. Malini Balakrishnan, Fellow, The Energy and Resources Institute (TERI), Darbari Seth Block, Lodhi Road, New Delhi – 110003.
12.	Design and performance evaluation of solar energy driven R.O and NF/RO hybrid water treatment system.	Dr. Himanshu Joshi, Department of Hydrology, IIT, Roorkee, Roorkee -247667(Uttarakhand) .
13.	Employment of NML’s Arsenic Removal Process to the ground water of Sahibganj district.	Dr. Sanchita Chakravarty, Scientist, Applied Chemistry and Corrosion Division, National Metallurgical

		Laboratory(NML),CSIR-Jamshedpur – 831007, Jharkhand
14.	Design of manually readable and automatic readable domestic water meters suitable for rural areas.	Prof. PSV Nataraj, System & Control Engineering Group, Room No.114, ACRE Building, IIT Bombay, Powai, Mumbai – 400 076.
15.	Development of low cost system for the treatment of arsenic and fluoride contaminated ground water for rural communities,	Dr.P. Mondal, Assistant Professor, Deptt. of Chemical Engineering, IIT Roorkee, Roorkee-247667(Uttarakhand)
16.	Remediation of Chromium contaminated groundwater using ferro-particles based technology.	Prof. Sudhakar M Rao, Department of Civil Engineering, Indian Institute of Science, Bangalore - 560012.