

Summary

National Training Programme on “Audit of Water Pollution and Sustainable Use of Water” from 17th to 21st February, 2025 at iCED Jaipur

International Centre for Environment Audit & Sustainable Development (iCED) organized National Training Programme on “**Audit of Water Pollution and Sustainable Use of Water**” from 17th to 21st February 2025 at its own campus. A total of 14 participants from 05 field offices including 04 group officers, participated in the Training Programme.



National Training Programme on “Audit of Water Pollution and Sustainable Use of Water”

Dr. Abhishek Gupta, Director General, iCED inaugurated and welcomed all the participants of the Training Programme. He emphasized that water is essential for life, yet its availability and quality are under severe stress in India. While India has 18% of the world’s population, it holds only 4% of the world's freshwater resources. As a result, approximately 600 million people in India face high to extreme water stress, with major cities like Delhi, Bengaluru, and Hyderabad at risk of depleting their groundwater.

Further, DG, iCED highlighted that water pollution is worsening the crisis, with over 70% of surface water in India being polluted and unsafe for consumption. Industrial waste, agricultural runoff, untreated sewage, and plastic waste are damaging rivers like the Ganga and Yamuna.

Given these challenges, the Director General stressed the importance of auditing water pollution and promoting sustainable water use. The training programme aims to equip participants with the

skills to assess water management systems, audit water-related projects, and contribute to water conservation efforts.

After the introduction of all the participants, DG, iCED also briefed about outdoor activities like shopping excursion to Bapu Bazar, the traditional market of Jaipur and Sports and other facilities at iCED Campus etc.

During this Five days' Training Programme, 08 experts from reputed organizations such as Jawahar Lal Nehru University (JNU), New Delhi; Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management(CAAST - CSAWM), Mahatma Phule Krishi Vidyapeeth, Ahmednagar; ATREE, Bengaluru; Birla Institute of Scientific Research, Jaipur; Indian Himalayan River Basins Council (IHRBC); Malaviya National Institute of Technology Jaipur (MNIT), Jaipur; Sustainable Water, Council on Energy, Environment and Water (CEEW), New Delhi; and Safe Water Network, New Delhi were invited to deliver the sessions on various aspects of water pollution in auditing perspective.

Teaching methods during the Training Programme included formal lectures and in addition, a study trip to water recycling and re-use plant at Malaviya National Institute of Technology Jaipur (MNIT), Jaipur was also organised.

Dr. Vivekanand, Associate Professor in the Department of Civil Engineering, introduced the concept of water recycling and waste management at the institute. He also mentioned how they transform a "sandscape"



Participants during study trip to MNIT, Jaipur

into a "landscape" through various environmental interventions.

Details of the trainers and the session(s) delivered during this Training Programme are as follows:

Sl. No.	Session(s)	Trainer
1.	Water Governance and Regulation in India	Dr. Sujith Koonan, Associate Professor, JNU, New Delhi
2.	Irrigation and Sustainable Water Use	Dr. Sunil D Gorantiwar, (CAAST - CSAWM), Mahatma Phule Krishi Vidyapeeth, Ahmednagar

3.	Sewage Management and its Audit	Ms. Priyanka Jamwal, ATREE, Bengaluru
4.	Geospatial Technology for Water Resource Management and Water Quality monitoring	Dr. M. P. Punia, Scientist, Birla Institute of Scientific Research, Jaipur
5.	Water Governance, Climate resilience and Livelihoods	Dr. Indira Khurana, Chairperson,(IHRBC) and Vice Chairperson, Tarun Bharat Sangh (TBS)
6.	Framework for water quality monitoring and abatement of Water Pollution	Dr. A.B. Gupta, Professor, Department of Civil Engineering, MNIT, Jaipur
7.	Climate Change and Water	Dr. Nitin Bassi, Senior Program Lead, Sustainable Water, (CEEW), New Delhi
8.	Sustainable Use of Water in Industries	Shri Sambhaji Palve, Safe Water Network, New Delhi

Team Wise Exercise-

Team Wise Exercise was also given to the participants. All participants were divided into four groups of three/four participants in each group.

Dr. Abhishek Gupta, Director General, iCED evaluated the



Dr. Abhishek Gupta, DG, iCED & Shri Mehul Grover, Director (T&R), iCED with the participants during Group Presentation

presentations given by all the groups of the participants during pre-valedictory session.

Feedback:- Feedback on course designing, the time required, content, knowledge and its delivery by the resource persons and facilities available at iCED was also collected from the participants through SAI Portal. The average feedback of the participants is 9.37 out of 10, which is very encouraging. Session on “Climate Change and Water” was rated as the best.

Valediction of the Training Programme- Dr. Abhishek Gupta, Director General, iCED graced the valedictory session of the National Training Programme. Director General, iCED hoped that training will help in connecting the gaps between theory and practice and provided food for thoughts for upcoming assignments. Hopefully, the enriched experience from this training will assist all in the audits related to Environmental issues. Dr. Abhishek Gupta Sir thanked to all the resource persons for sharing their experiences with participants. He also thanked all the participants.