Online Training And Capacity Building (OTCB) Certificate Programme

DEVELOPING TREATED WASTEWATER REUSE FACILITIES

ONLINE

Programme

Dates
8th – 22nd
MARCH 2021

Timing:
2:00 PM - 5:30 PM

Programme Fees
Categories & Participation Fees (INR)
Government Official and Working Professionals : 7500/-
Members of partnering organisation: 5000/-
Academia and Teaching fraternity  : 3500/-
Researchers, Students and Retired professionals : 2000/-
+ GST 18%

Last Date To Apply: 07-03-2021

Target Audience
This course is designed to be useful and informative for policy and decision makers like Central and State Ministries involved with Water and Wastewater Departments, Pollution Control Boards, Mayors, standing and water works committees, Municipal Commissioners, Town Planners, Urban Local Bodies (ULBs), Jal Boards, Wastewater Treatment Companies, Wastewater Treatment Plant (WTPs) including Effluent Treatment (ETPs) and Sewage Treatment Plants (STPs) Associations, Operations & Maintenance and Service providers, Academicians, R&D Experts, Technology Developers and Providers etc.. This course would also help mid-career professionals who are involved with the water and waste water reuse facility creation in government and private organizations to gain knowledge on new technologies, current practices, field experience, etc. The course would also be helpful for fresh graduates or students of the engineering, environment, water policy and planning disciplines.

Banking details: India PPP Capacity Building Trust, A/c No. 05881450000075, IFSC-HDFC0000588, Plot No 8, Sector 4, R.K Puram, Opposite Capital Court Building, New Delhi - 110022.

Registration link: https://trainingprograms.icaptrust.in/s/store/courses/description/OTCB-Water-Reuse

Early Bird Incentive:
10% early bird discount on payment up to 1-3-2021

Partners

Industrial

Knowledge

Media

SMART WATER & WASTE

EAW
**OBJECTIVES OF THE PROGRAMME**

1. To familiarize with various aspects of setting up wastewater reuse infrastructure facilities such as legal and policy issues, funding options, managing contracts, government approach, marketing strategies and consumer perspectives etc.

2. To introduce basic and advanced concepts of wastewater treatment technology and methods adopted for treated wastewater reuse, setting up of the plant.

3. To understand industry, consumer and government policy and project implementation.

**SCHEDULE**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Date/Time</th>
<th>Domain/Subject</th>
<th>Experts Institution/Organization</th>
<th>Moderator Institution/Organization</th>
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<tbody>
<tr>
<td>1</td>
<td>8-03-2021 (2-3.30 pm)</td>
<td>Inaugural Session</td>
<td>Invites, Participants and All Partnering Organizations</td>
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<tr>
<td>2</td>
<td>9-03-2021 (2-3.30 pm)</td>
<td>Basics of Wastewater Treatment and Technology for Water Reuse</td>
<td>Mr. J.B. Kagathara Environment Engineer and Water Sector Expert, Envirocare Engineers</td>
<td>Dr. Praveen Kumar Director (T-III), NMCG, MoJS</td>
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<td>3</td>
<td>9-03-2021 (4-5.30 pm)</td>
<td>Poster Presentation by selected University Students</td>
<td>Bangalore University, ATMIYA University, Gujarat</td>
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<td>4</td>
<td>10-03-2021 (2-3.30 pm)</td>
<td>Advanced Treatment and Technology for Water Reuse</td>
<td>Dr. Nupur Bahadur Fellow, TERI, New Delhi &amp; Vice-Chair, IWA-India</td>
<td>Dr. Prashant Gargava Member Secretary, Central Pollution Control Board (CPCB), GoI</td>
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<td>5</td>
<td>10-03-2021 (4-5.30 pm)</td>
<td>Water Reuse experience in NDMC area</td>
<td>Er. Ajay Gupta Dr. Pankajkumar Sampat Associate Director, ICAP HEAD URBAN-iDeCK</td>
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<td>6</td>
<td>11-03-2021 (2-3.30 pm)</td>
<td>Decentralized Wastewater Treatment and Reuse</td>
<td>Dr. S.K. Sarkar Former Secretary, Ministry of Water Recourses, Govt. of India &amp; Distinguished Fellow, TERI</td>
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<td>7</td>
<td>12-03-2021 (2-3.30 pm)</td>
<td>Poster Presentation by selected University Students</td>
<td>NIRMA, CEPT University, Gujarat</td>
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<td>8</td>
<td>12-03-2021 (4-5.30 pm)</td>
<td>Waste Water Treatment and Contract Management</td>
<td>Mr. Dipender Kapur Senior Development and WASH Expert, Sanitation and Capacity Building Platform, National Institute of Urban Affairs</td>
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<td>9</td>
<td>15-03-2021 (2-3.30 pm)</td>
<td>Developing Water Reuse Facilities, Gujarat Experience</td>
<td>Mr. Madhava Kumar Senior Economic Specialist, NMCG, MoJS</td>
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<td>10</td>
<td>15-03-2021 (4-5.30 pm)</td>
<td>Setting up the Plant-Industry Experience</td>
<td>Shri M.N Thippeswamy Retired, Engineer in Chief BWSSB</td>
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<td>11</td>
<td>16-03-2021 (2-3.30 pm)</td>
<td>Perspective on Consumer and Marketing Aspects for Treated Waste Water Sales</td>
<td>Dr. Rajneesh Chopra Global Head, Business Development, V A Tech Wabag Ltd.</td>
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<td>12</td>
<td>16-03-2021 (4-5.30 pm)</td>
<td>Industrial Forum</td>
<td>Mr. Sundeep Scientist F, Impact Assessment Division, MoEFCC, GoI</td>
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<td>13</td>
<td>17-03-2021 (2-3.30 pm)</td>
<td>International Experience Session-1</td>
<td>Prof. S. Mohan IIT Madras &amp; Chair, IWA-India</td>
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<td>14</td>
<td>17-03-2021 (4-5.30 pm)</td>
<td>International Experience Session-2</td>
<td>Prof. A.K. Gosain Emeritus Professor, Department of Civil Engineering, IIT Delhi</td>
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<td>15</td>
<td>18-03-2021 (2-3.30 pm)</td>
<td>Integrated River Rejuvenation</td>
<td>Shri Rajiv Ranjan Mishra I.A.S. Director General, NMCG, MoJS</td>
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<td>16</td>
<td>18-03-2021 (4-5.30 pm)</td>
<td>Management of Urban Rivers</td>
<td>Prof. Meenakshi Dhote Head, Environmental Planning SPA, Delhi</td>
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<td>17</td>
<td>19-03-2021 (2-3.30 pm)</td>
<td>Exam (Optional)</td>
<td>To be jointly conducted by TERI and ICAP Trust</td>
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<td>18</td>
<td>22-03-2021 (2-3.30 pm)</td>
<td>World Water Day &amp; Valedictory Function</td>
<td>Invites, Participants and All Partnering Organizations</td>
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NOTE: *PDF/PPTX Format only registered participant can watch and download during the specified period (8th March-22nd March 2021)

* Video Format. The sessions video can be only watched (not downloadable) by the registered participant during the specified period (8th March-22nd March 2021)
**Brief Profile**

**Programme Director:**
**Dr. Pankajkumar Sampat,**
Associate Director, ICAP Trust

**Dr. Sampat** graduated as a civil engineer from S.P. University (BE in 1986), and as an Infrastructure Planner (M. Plan in 2009) from CEPT University. He earned PhD from CEPT University (Gujarat, India) in 2016 on the subject ‘Quantification of Municipal Water Supply and Role of Metering in Large Indian cities’ is an interdisciplinary work, emphasizing on quantification issues. With over 29 years of experience in civil engineering, planning, and governance in the cities, Dr. Sampat has a track record of delivering completed projects and assignments by innovative approach using analytical and design tools. This innovative approach to problem solving has often resulted in cost optimization and increasing the impact of these projects. Dr. Sampat has worked with the government sector, private sector and academia and brings a unique multi-dimensional approach to capacity building given his diverse past experience.

**Dr. Nupur Bahadur** is working as Fellow in Sustainable Habitat Program, The Energy and Resources Institute (TERI), New Delhi. Her working expertise involve Advanced Oxidation Nanotechnology for Wastewater Treatment and Reuse. She obtained Ph.D. in Chemistry from IIT Roorkee in 2005 working in the area of Photochemistry and Photocatalysis for pollution abatement. She is Vice-Chairman, International Water Association (IWA)-India, National Executive Committee and Member of Programme Committee, Singapore International Water Week 2021. She is Inventor of a novel technology called TERI Advanced Oxidation Technology (TADOX) to treat highly polluting Industrial and Municipal Wastewater, achieve ZLD and enhance treated Water Reuse efficiency. Her technology intervention aims at resource & energy efficiency, sludge & cost reduction and point source pollution abatement in river cleaning programs like ‘Namami Gange’. Her 20 years of Professional experience involves, teaching, research, technology development & demonstration, patents & trademark, policy intervention, consultancy, capacity building and Technopreneur roles.

**Mr Thippeswamy,** former Chief Engineer (super time) in BWSSB for 34.5 years, has been a Technical Expert and Consultant to various Institutions and Committees setup for Urban Water Management in Karnataka & served as adviser/consultant for both public and private institutions of national & international companies and completed 50 years of experience in this sector of water supply and sewerage. His experience in this sector includes subjects such as conservations of urban water bodies, dual water supply system, wastewater treatment, water quality management, sewerage systems, and his contribution for reuse in Bangalore municipal wastewater is unique. He has also been instrumental for many unique’s in the country in areas of ICT, Water quality, PPP projects, and many more & he served as member of many scientific committees in National & international conferences. Now he actively engaged in Training and Capacity Building for the water sector at various Training Institutes in India and abroad.

**Joint Programme Director:**
**Dr. Nupur Bahadur**
Fellow, TERI New Delhi
ICAP Trust was setup by IDFC Ltd on 10th October 2007. It was subsequently transferred to IDFC Foundation (a wholly-owned not-for-profit arm of IDFC) in the year 2009. With the restructuring of IDFC Group, the trusteeship of I-CAP was passed on to Infrastructure Development Corporation (Karnataka) Limited (iDeCK) since 1st April, 2017. With the primary objective to spearhead capacity building and knowledge sharing initiatives for government agencies in planning, designing, tendering and implementation of infrastructure projects in the country and abroad, ICAP Trust serves as a dedicated training delivery, pedagogy development and knowledge repository platform in the infrastructure sector and promotes national and international institutional networking in this context. Over 7000 Government functionaries have been trained by I-CAP since 2007, including a variety of stakeholders such as elected representatives, senior civil servants, municipal officials & engineers, private developers and others concerned with the infrastructure sector. The domain expertise of I-CAP is spread across a wide-range of infrastructure sectors such as urban, transportation, energy, tourism and industrial infrastructure.

https://www.icaptrust.in/

iDeCK was established in the year 2000. It is a joint venture company the Government of Karnataka, IDFC Foundation and HDFC set up with the mandate to catalyze well-planned, sustainable infrastructure projects, especially through public-private participation. From its inception, iDeCK has accumulated a rich and diverse experience in the development of over 650 infrastructure projects in different states across the country and abroad. Since the inception of ICAP Trust in 2007, it has been utilizing the expert resources of iDeCK in the conduct of its capacity building and research activities.

https://www.ideck.in/

The Energy and Resources Institute (TERI) is an independent, multi-dimensional organization, with capabilities in research, policy, consultancy and implementation. TERI is an innovator and agent of change in the energy, environment, climate change and sustainability space, having pioneered conversations and action in these areas for over four decades. TERI’s research, and research based solutions have had a transformative impact on industry as well as communities. TERI has fostered international collaborations on sustainability action by creating a number of platforms and forums and have translated research into technology products, technical services, as well as policy advisory and outreach.

https://www.teriin.org/

National Mission for Clean Ganga, an authority constituted under EPA Act, is the implementing authority of Namami Gange program which is a flagship programme of the Government of India for rejuvenation of Ganga and its tributaries. Backed by the vision and priority of Hon’ble PM, an integrated programme was launched consisting of multi sectoral, multi-agency and multi-level interventions. Vision is to restore wholesomeness of river Ganga in terms of Aviral Dhara (continuous flow) and Nirmal Dhara (unpolluted flow) along with preserving its ecological and geological identity. Scientific studies combined with a critical analysis of past interventions helped in developing the contours of ‘Namami Gange’ as an integrated mission for rejuvenation of Ganga and its tributaries.

http://www.nmrcg.nic.in/