





Online Training And Capacity Building (OTCB) Certificate Programme

DEVELOPING TREATED WASTEWATER REUSE FACILITIES

ONLINE



Image Courtesy: National Mission for Clean Ganga, Ministry of Jal Shakti, Govt. of India. Dinapur STP 140 MLD at Varanasi, Uttar Pradesh.

 <p>PROGRAMME DATES 8TH – 22ND MARCH 2021 TIMING : 2:00 PM - 5:30 PM</p>	 <p>REGISTRATION DETAILS Instructions: 1. Payment acceptable through online link or demand draft only 2.. Payment Gateway Link and Bank account details are given below</p>	 <p>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%</p>	 <p>e-CERTIFICATE (i) 'Certificate of Participation' for all who registers (ii) 'Certificate of Merit' for all those who have 90% attendance and 75% marks in online exam</p>
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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 provides, 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>

Bulk/Group Registration facilities available @discounted rate.

Last Date To Apply: 07-03-2021

Early Bird Incentive:

10% early bird discount on payment up to 1-3-2021

Partners

<p>Industrial</p>   <p>sustainable solutions. for a better life.</p>	<p>Knowledge</p>  <p>the international water association</p>	<p>Media</p>  
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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

Sl. No	Date/Time	Domain/Subject	Experts Institution/Organization	Moderator Institution/Organization
1	8-03-2021 (2-3.30 pm)	Inaugural Session	Invitees, Participants and All Partnering Organizations	
2	9-03-2021 (2-3.30 pm)	Basics of Wastewater Treatment and Technology for Water Reuse	Mr. J.B. Kagathara Environment Engineer and Water Sector Expert, Envirocare Engineers	Dr. Praveen Kumar Director (T-III), NMCG, MoJS
3	9-03-2021 (4-5.30 pm)	Poster Presentation by selected University Students	Bangalore University, ATMIYA University, Gujarat	
4	10-03-2021 (2-3.30 pm)	Advanced Treatment and Technology for Water Reuse	Dr. Nupur Bahadur Fellow, TERI, New Delhi & Vice-Chair, IWA-India	Dr. Prashant Gargava Member Secretary, Central Pollution Control Board (CPCB), Gol
5	10-03-2021 (4-5.30 pm)	Water Reuse experience in NDMC area New Delhi	Er. Ajay Gupta	Dr. Pankaj Kumar Sampat Associate Director, ICAP HEAD URBAN-iDeCK
		Poster Presentation by selected University Students	NIRMA, CEPT University, Gujarat	
6	11-03-2021 (2-3.30 pm)	Decentralized Waste Water Treatment and Reuse	Mr. Dipender Kapur Senior Development and WASH Expert, Sanitation and Capacity Building Platform, National Institute of Urban Affairs	Dr. S.K. Sarkar Former Secretary, Ministry of Water Recourses, Govt. of India & Distinguished Fellow, TERI
7	11-03-2021 (4-5.30 pm)	Adopting Water Reuse - Planning, Policy and Legal Aspects	Ms. Sumitha Rao Senior Vice President - Legal, iDeCK	Mr. D.P. Mathuria ED (Technical), NMCG, MoJS
8	12-03-2021 (2-3.30 pm)	Funding Options, PPP and Hybrid Annuity Models for City Level Water Reuse Facilities	Mr. Manjunath Shekhar Vice President, iDeCK	Mr. Ashok Singh ED (Projects), NMCG, MoJS
9	12-03-2021 (4-5.30 pm)	Waste Water Treatment and Contract Management	Mr. Anil Kumar Agarwal (Retd) Additional Member, Railway Board	Mr. Madhava Kumar Senior Economic Specialist, NMCG, MoJS
10	15-03-2021 (2-3.30 pm)	Developing Water Reuse Facilities, Gujarat Experience	Mr. Krupal Bhavsar Urban Planner, iDeCK	Dr. Pankaj Kumar Sampat Associate Director, ICAP HEAD URBAN-iDeCK
11	15-03-2021 (4-5.30 pm)	Setting up the Plant-Industry Experience	Dr. Uday Kelkar MD, NJS Engineers Ltd	Shri M.N Thippeswamy Retired, Engineer in Chief BWSSB
12	16-03-2021 (2-3.30 pm)	Perspective on Consumer and Marketing Aspects for Treated Waste Water Sales	Dr. Pankaj Kumar Sampat Associate Director, ICAP HEAD URBAN-iDeCK	Mr. Rajneesh Chopra Global Head, Business Development, V A Tech Wabag Ltd.
13	16-03-2021 (4-5.30 pm)	Industrial Forum		Mr. Sundeep Scientist F, Impact Assessment Division, MoEFCC, Gol
14	17-03-2021 (2-3.30 pm)	International Experience Session-1	Dr. Josef Lahnsteiner Chair, IWA Specialist Group on Water Reuse	Prof. S. Mohan IIT Madras & Chair, IWA-India
15	17-03-2021 (4-5.30 pm)	International Experience Session-2	Mr. Golam Atawer Dider Sr. Vice President, Bangladesh Water Works Association. Mr. Dhanesh Gunathilake Deputy General Manager (Sewerage), National Water Supply and Drainage Board, Sri Lanka	Prof. A.K. Gosain Emeritus Professor, Department of Civil Engineering, IIT Delhi
16	18-03-2021 (2-3.30 pm)	Integrated River Rejuvenation	Mr. Suresh Babu Director Rivers Wetlands and Water Policy, WWF India	Shri Rajiv Ranjan Mishra I.A.S. Director General, NMCG, MoJS
17	18-03-2021 (4-5.30 pm)	Management of Urban Rivers	Dr. Victor R. Shinde Sector Coordinator for Water and Environment, NIUA	Prof. Meenakshi Dhote Head, Environmental Planning SPA, Delhi
18	19-03-2021 (2-3.30 pm)	Exam (Optional)	To be jointly conducted by TERI and ICAP Trust	
19	22-03-2021 (2-3.30 pm)	World Water Day & Valedictory Function	Invitees, Participants and All Partnering Organizations	

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. Pankaj Kumar 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.



Joint Programme
Director:
Dr. Nupur Bahadur
Fellow, TERI New Delhi



Advisor:
Mr. M.N. Thippesamy,
Chief Advisor, Environment
Management and Policy
Research Institute

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.



PARTNERING ORGANISATIONS



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.nmcg.nic.in/>



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Reuse
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Contact us

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