**Online certification program series on industrial water management**

***Theme: Reduction in specific water consumption through implementation of 4Rs***

***Date: July 30- 31 & August 07- 08 2020, Venue: Online in 12 hours***

**Draft Agenda**

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| **Day-1: 30 July 2020 : A - Water Balance, Water Use Efficiency & SWC** |
| 1500 hrs | Context setting- ICCW | **Mr Cowlagi Sripati**Expert Engineer ICCW |
| 1515 hrs | Rethink-The Big Picture: -State of Water Resources: India and Global, Risks & Opportunities  | **Mr Niranjan Khatri**Founder & ConsultantiSambhav |
| 1615 hrs | Water Management - Statutory Requirements(Water Audits, Water Cess Act, Prevention of Water Pollution act) | **Mr Mohan Kulkarni**Principal Consultant AIM Enviro |
| 1715 hrs | Water automation technologies | **Mr Ramani Iyer**Founder Every Drop Counts Foundation (Formerly Forbes Marshall) |
| 1800-1815 hrs | Discussion and assignment | **ICCW** |
| **Day 2 : 31 July 2020 : No Cost / Low Cost Improvement Measures for Reducing SWC** |
| 1500 hrs | Overview of Day 1, Discussion and Assignments | **Mr Cowlagi Sripati** |
| 1515 hrs | Water Audits and Accounting : Concept and Case Studies, Water Policies | **Mr Dinesh Shetty**Product head, Sustainability South Asia region Bureau Veritas |
| Innovative and Modern Water Saving Measures |
| 1600 hrs | Artificial intelligence in Pipeline Inspection using Non-Destructive Testing Methods | **Faculty\***Centre for Non-Destructive EvaluationIITM(Or)**Expert\*** |
| 1630 hrs | IoT Enable Monitoring and Control of Water Distribution Networks  | **Dr Sridharkumar Narasimhan**,Associate ProfessorDepartment of Chemical EngineeringIITM |
| 1700 hrs | Sustainable water management practices | **Mr Mohan Kulkarni** Technical Advisor & Consultant (Formerly Vice President & Head, Corporate Quality, TATA Motors) |
| 1800-1815 hrs | Discussion and assignment | **ICCW** |
| **Day 3: 7 August 2020 : Wastewater Segregation, Treatment, Recycle** |
| 1500 hrs | Overview of Day 2, Discussion and Assignments |  |
| 1515 - 1600 hrs | Legal framework for wastewater treatment and reuse in the industry  | **Chirag Bhimani\***Senior Environmental specialist(Ex GPCB) |
| 1600 hrs | Best practices in industrial reuse and recycling of water and materials | **Prof Christian Kazner**Bochum University |
| 1645 hrs | Explanation with case studies segregation, recycle reuse and ZLD | **Mr Sajid Hussain**CTO TWIC |
| 1730 hrs | IoT enabled monitoring systems for wastewater treatment and recycling plants | **Mr Varun Sridharan** Founder Greenvironment |
| 1800-1815 hrs | Discussion and assignment | **ICCW** |
| **Day 4 : 8 August 2020 : Augmentation of Water Resources** |
| 1500 hrs | Overview of Day 3, Discussion and Assignments |  |
| 1515 hrs | Storage of rainwater and substitute for daily consumption- Anna University | **Dr R Saravanan** Associate Professor Centre for Water Resources Anna University |
| 1600 hrs | Recharging of existing functional and dry bore wells using rainwater harvesting-Farmland harvesting systems p ltd. | **Mr Vijay Raj**DirectorFarmland harvesting Systems P Ltd |
| 1700 hrs  | Online examination | **ICCW-IITM-CII** |
| 1800-1815 hrs  | Discussion and way forward | **ICCW** |

\***To be confirmed**