Advanced Residential Training Programme on ‘URBAN GROUNDWATER MANAGEMENT’

Dates: August 30 - September 1, 2022
Last Date to Apply: August 25, 2022
Course Duration: Three days (24 hours)
Course Type: Residential
Venue: Anil Agarwal Environment Training Institute (AAETI), Nimli, Rajasthan

Background
Groundwater’s near universal availability, dependability, and low capital cost make it a reliable source of water. The increasing dependence on groundwater and indiscriminate extraction in various parts of the country, without taking into account the recharging capacities of aquifers and other environmental factors leading to the depleting water level, contamination, and mismanagement of the resource.

Understanding groundwater is central to addressing the imploding water scarcity that is hitting both urban and rural India and is exacerbated by climate change. Urban groundwater management is a challenging task that varies in different towns and cities in India, depending on aquifer typologies, climate, and extraction regimes.

This online training is a part of a 3-year duration CSE programme – ‘Capacity building initiative focusing on ‘Making Ganga basin cities water sensitive’, supported by National Mission for Clean Ganga (NMCG) and is part of the series of ongoing efforts by NMCG aimed at ensuring convergence of Namami Gange Mission with national flagship urban missions (AMRUT 2.0, Smart Cities, SBM 2.0, HRIDAY, NULM), and other missions (Atal Bhujal Yojana, Jal Jivan Mission, Jal Shakhi Mission).

Training design
The training will follow a mixed method approach involving lectures, in-class exercises, interactive discussions, and audio-video. The participants will get the opportunity to prepare a city water profile, city water balance plan, and groundwater recharge plan under the ‘Do It Yourself’ – group exercise.

Aim
This is an Advanced urban groundwater management planning module for practitioners. The module fills a critical gap in providing a conceptual understanding of aquifers as a core to rural and urban groundwater management challenges. The course offers guidance for Planning for Urban Ground Water Management.

Training Highlights
• Develop an understanding of the fundamental concepts of Groundwater and Aquifer.
• Assessment and Mapping of Aquifers
• Evolution, critique, and application of MAR (Managed Aquifer Recharge); WSUDP (Water Sensitive Urban Design and Planning), and CWB (City Water Balance Plan)
• Exercises/Practice in planning and designing groundwater recharge
• Develop an understanding of enabling institutional, regulatory, and policy frameworks, stakeholder mapping, and community engagement.

Target Audience
• Central/State/Municipal functionaries (decision makers/managers and regulators) Planners (Urban/Regional/Environment),
• Engineers, Architects / Planners working in Town & Country Planning / Municipal Administration Department or State Urban Development Authorities
• Engineers (Civil / Mech / Envn.) from Water supply and Sewerage boards / Jal Nigam or Jal Sansthan and other officials dealing with:
• Any other programme dealing with water, sanitation, flood, river, wetland or environment related matters in the city and urban areas.

Fee
• INR 19,800 (for single occupancy accommodation)
• Includes tuition fee, training material, external expert lectures and sessions, boarding and lodging, transport from New Delhi to AAETI and back. (For Indian citizens)
• No training fees for nominated Indian government employees (but all nominated officials are expected to attend all the sessions).

Benefits of Participation
• Course participation/completion certificate.
• Join a global network of practitioners of the CSE School of Water and Waste.

*Participant have to report at CSE on 29th August, 2022

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