ONLINE TRAINING ON URBAN GROUNDWATER MANAGEMENT
ISSUES, CHALLENGES, APPROACH AND POTENTIAL

Dates: June 21 – July 1, 2022
Learning Platforms: Moodle and Zoom

BACKGROUND
Understanding groundwater is central to addressing the imploding water scarcity that is hitting both urban and rural India and is exacerbated by climate change. Understanding of groundwater requires knowledge of lithosphere and potential aquifer profile, as well as the extraction, management and governance regime. Urban groundwater management is a challenging task, that is different for different levels of towns and cities in India, given the different aquifer typologies, climate and extraction regimes.

This online training is a part of a series of activities envisaged under a 3-year duration CSE programme – ‘Capacity building initiative focusing on ‘Making Ganga basin cities water sensitive’. Under this initiative a series of – webinars, workshops trainings (both online and residential), field exposure visits, and knowledge conclaves are aimed at engaging 1,300+ number state / municipal functionaries and other sector players. The programme is supported by National Mission for Clean Ganga and is part of the series of ongoing efforts by NMCS 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 Jeewan Mission, Jal Shakti Mission).

ABOUT THE TRAINING
The training will focus on developing a sound understanding of groundwater context and typologies of India, challenges & significance of groundwater in the urban context, specifically in Ganga Basin. The trainees will be exposed to concepts of MAR (managed aquifer recharge) and development of City Water Balance Planning, that are gaining momentum in urban groundwater management discourse and practice. CSE is organising this training in collaboration with renowned practitioner experts from ACWADAM.

AIM
To equip trainees with a conceptual and scientific understanding of issues and processes of groundwater and aquifers of India, in the urban groundwater recharge and management context.

TRAINING HIGHLIGHTS
• An introduction to the groundwater context of India: basic concepts of groundwater mapping, lithography for groundwater potential
• Groundwater and its management issues, challenges, and its significance in urban context specifically in Ganga Basin
• City Water Balance planning concept, its application for India. Understanding of groundwater typology in Indian cities and developing City Water Balance Plans.
• Managed Aquifer Recharge (MAR) – concept and practice considerations, in the rural and urban context.
• Policy Framework and challenges of urban groundwater management

BENEFITS OF PARTICIPATION
• Fee waiver for few eligible private participants. • Course participation/completion certificate. • One-year free subscription to Down To Earth magazine after course completion • Join a global network of practitioners of the CSE School of Water and Waste.

COURSE DURATION: 16 hours (self-paced – 8 hours and virtual sessions – 8 hours)
LAST DATE TO APPLY: 15 June 2022

For more information visit: www.cseindia.org