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International Engineers' Training on Decentralised Wastewater Treatment Systems (DEWATS™)



DEWATS™ Training is designed for engineers engaged in the sanitation and waste management to gain practical skills and knowledge for planning, designing, executing, operating and maintaining DEWATS™

September 16 - 20, 2019

**Venue : CASS
Bengaluru, INDIA**

Background

The rapid growth of cities has created a shortfall in the supply of infrastructure and services leading to a deteriorating environment. Today an estimated two billion people in the world do not have access to 'adequate' sanitation facilities, leading to degradation of environment, human health and aesthetic values.

Only 37 percent of urban sewage is treated (23,277 million litres per day)! The disposal of such huge volume of untreated domestic sewage from cities and towns is the biggest source of water pollution and environmental contamination. Most Indian cities try to handle the infrastructure demands through centralised systems, which not only require high capital expenditures but also cause high operation and maintenance costs.

The existing centralised systems are not able to serve the increasing demand. As a complementary option to the centralised approach, a decentralised waste management system can be an effective solution to tackle pollution in urban areas. Moreover, decentralisation helps to increase community participation in the decision making process, implementation and maintenance.

In this context, there is an increasing need for scaling up decentralised approaches for adequate basic needs services. Decentralised wastewater treatment systems have enormous potential in contributing to the development of sustainable environmental sanitation. CDD Society aims to address the need for decentralised solutions by enhancing the capacities of service providers across the country.



Training Objective

The objective of this training programme is to introduce and impart engineering skills to professionals for designing and implementing DEWATS™.

Programme Overview

The course duration is 5 days. On each training day, the session is timed from 9:30 a.m to 6:00 p.m. Various methods are involved, e.g. input presentations, case studies practical workshops, study tours and field visits.

Course Outline

- Introduction to wastewater management
- Different approaches and technologies for wastewater treatment
- Introduction to DEWATS™
- Feasibility and initial project planning
- Preliminary planning and design of DEWATS™
- Implementation of DEWATS™
- Operation and maintenance

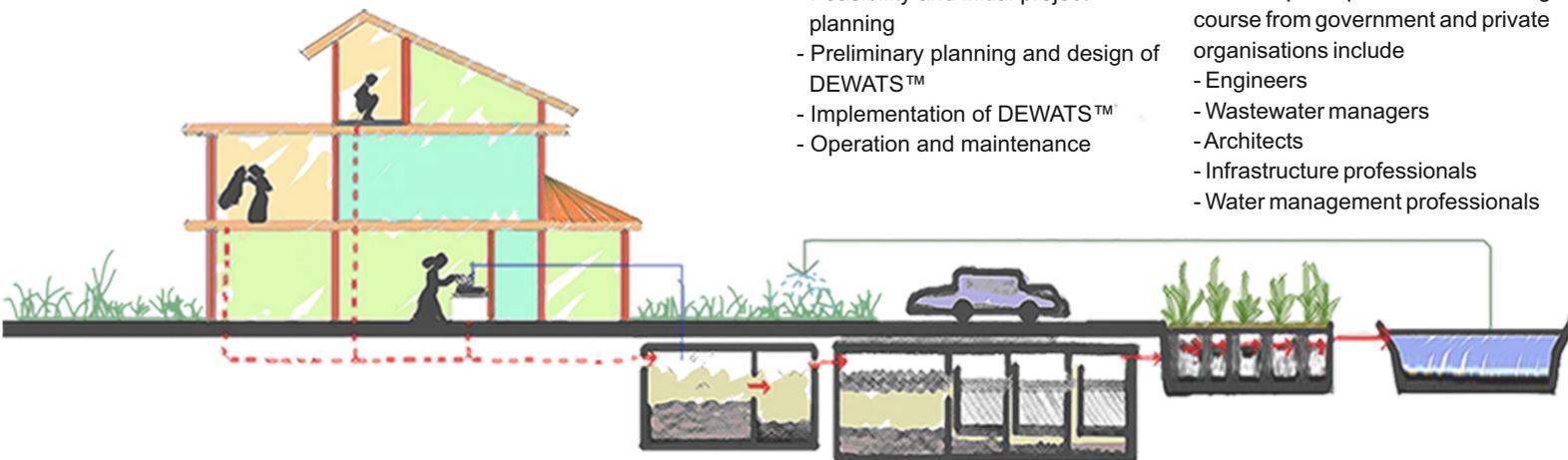
Participants

A minimum of 1 year experience in the water, sanitation and/or waste management sector.

English knowledge is required as it is the medium of instruction.

Potential participants for this training course from government and private organisations include

- Engineers
- Wastewater managers
- Architects
- Infrastructure professionals
- Water management professionals



Registration

The programme is designed for a **maximum of 20 participants**. The registration form should be completed by **16th August 2019** and e-mailed to **cass@cddindia.org** or apply online at : **www.cddindia.org**.

As seats are limited, CDD will screen and select the most eligible applicants.

Travel & Insurance

All expenses towards to and fro travel to Bengaluru are borne by the participants or organisations.

All daily local travels during the programme will be provided by CDD Society.

The organisers are not responsible for any risk of illness, accidents, loss of money, property, etc. incurred by the participants.

Programme Fee

The **course fee is INR 25,000/-** (Rupees Twenty Five Thousand) for **Indian residents** and **€350** (Three Hundred and Fifty Euros)/ **\$400** (Four Hundred US Dollars) for **international participants**, which includes boarding and lodging and training kit.

Payment options shall be provided to selected participants after registration.

Attendee Benefits

Participants will be awarded a certification on satisfactory completion of the programme.

Also each participant will be linked with CDD/BORDA's International Engineer's network which provides them with access to regular knowledge and skill.

Furthermore, CDD will support the design of the first DEWATS™ project if required.

Organisers

The **Consortium of DEWATS Dissemination (CDD) Society**, a not-for-profit organisation registered in 2005, builds enduring water and waste management systems. CDD Society works with a network of like-minded partners to promote basic sanitation services and sustainable water management practices across the country. We are the primary implementation partner of BORDA-SouthAsia, in India.

The **Centre for Advanced Sanitation Solutions (CASS)** is a joint collaboration between CDD Society, BORDA, and Rajiv Gandhi Rural Housing Corporation Ltd., Govt. of Karnataka for providing a one-stop sanitation solution center with a clear focus on building capacities of sectoral stakeholders.

The **Bremen Overseas Research and Development Association (BORDA)** is a German non-profit organisation, which works for poverty alleviation, sustainable protection of natural resources and strengthening of social structures. BORDA operates through its partners in 23 developing countries in Asia, Africa and Latin America.

Rajiv Gandhi Rural Housing Corporation Limited (RGRHCL) is a Government of Karnataka Public Ltd. Company. It has set up diverse housing infrastructures across the State of Karnataka. RGRHCL is experienced in the construction, coordination and facilitation of housing provision for the Economically Weaker Sections (EWS) of society under various State Government schemes.