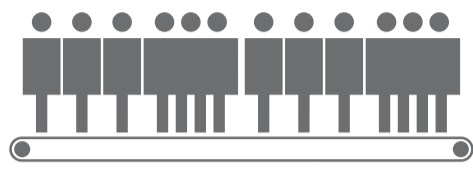
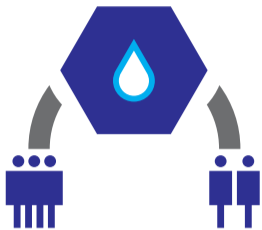


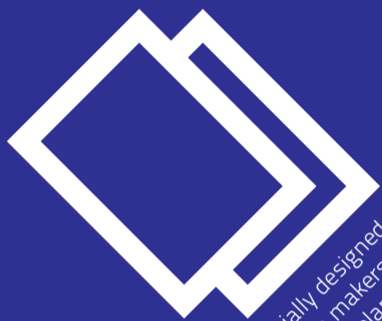


6 TO 8 JANUARY 2010

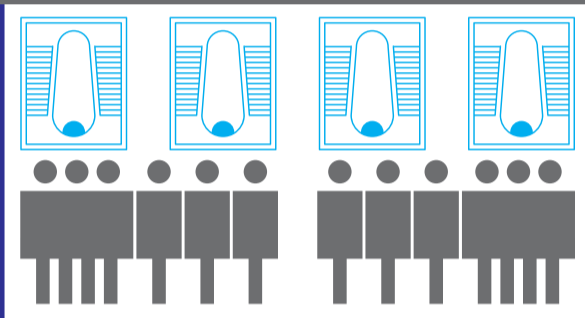
TRAINING ON



# DEWATS PROJECT MANAGEMENT



The training has been especially designed to provide managers and decision makers with skill sets required for successful planning, implementation and management of decentralised wastewater treatment plants and community based sanitation systems.



Organised by



Consortium for DEWATS Dissemination Society

Supported by



BORDA



RGRHCL

## BACKGROUND

Urbanisation is one of the most important demographic trends of this century. Rapid growth of cities has created a shortfall in the supply of infrastructure and services leading to a deteriorating environment. Most Indian cities try to handle the infrastructure requirements through centralised systems, that require high capital and Operation and Maintenance (O&M) cost. With increasing urbanisation, the centralised system becomes unmanageable for the local authorities. Decentralised basic needs services can complement conventional centralised systems for better service delivery, if not replace it completely.

Today, an estimated two billion people in the world do not have access to 'adequate' sanitation facilities. Disposal of domestic sewage from cities and towns is the biggest source of pollution of water bodies in India. Indian cities generate 33,212 million litre of sewage per day (mld) but can treat only 6,190! This huge volume of untreated sewage remains a major cause of water pollution and environmental contamination. Introduction of a decentralised system of waste management as a complementary option to the centralised 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 and sustainable basic needs services. Decentralised wastewater treatment systems have an enormous potential in contributing to the development of sustainable environmental sanitation. The Consortium for DEWATS Dissemination (CDD) Society aims to bridge this supply gap by enhancing the capacities of service providers across the country.

# VENUE

# CASS

CENTER FOR ADVANCED SANITATION SOLUTIONS BENGALURU



# Decentralised Wastewater Treatment Systems (DEWATS)

DEWATS is an approach for treatment of wastewater generated from domestic and industrial processes. It is based on different natural water treatment techniques comprising of some basic treatment modules, which are combined according to specific requirements depending on the characteristics of the wastewater to be treated, the desired quality of the treated wastewater and technical specificities. DEWATS units can be designed for treatment of wastewater flow ranging from 1 to 1,000 m per day.

DEWATS has certain advantages over the centralised systems. It is easily workable, simple, its on-site treatment modules require minimal operation and maintenance, requires no mechanical parts and less sewerage network. All these features also allow for substantial cost savings.

## Training Objective

The main objective of this training programme is to introduce decision makers to specific project management skills required for planning, financing, implementing and managing DEWATS projects.

## Participants

Manager in companies, executive engineer from municipalities and other persons responsible for wastewater and sanitation programmes.

## Eligibility Criteria

The participants should have prior work experience of minimum 2 years in the wastewater, sanitation and waste management sector. The course has been designed for participants with knowledge and skills in the sanitation and wastewater sector.

## PROGRAMME OVERVIEW

The course duration is 3 days and is scheduled during 6th - 8th January 2010. The training involves lectures, presentations, case studies, practical workshops, study tours, etc. The medium of instruction and teaching will be English. The course timing will be from 09:00 a.m. to 06:00 p.m. on each of the days of the programme.

## COURSE OUTLINE

- Introduction to wastewater
- Introduction to DEWATS and community based sanitation
- Stakeholders in CBS / DEWATS
- Steps for implementation
- Technical highlights of DEWATS
- Legal framework for DEWATS implementation
- Project management and monitoring tools
- Quality management inputs

## TRAINING TEAM

The participants shall be trained by expert professionals from CDD, BORDA and other relevant experts in the areas of engineering, architecture, environment, infrastructure, social development and management.

## REGISTRATION

This training programme has been carefully designed for a maximum of 20 participants. The enclosed application form should be filled in all respects and returned to the contact address given below.

As the seats are limited, the seats will be allotted on a first-come-first-served basis. The short listed participants will be intimated well in advance.

## ATTENDEE BENEFITS

- Successful participants have an offer to become associates of CDD Network.
- Access to regular knowledge and skill up gradation.

## EVALUATION AND CERTIFICATION

The participants will be evaluated for their performance during the training course and will be awarded certificates on satisfactory completion of the course from the Centre for Advanced Sanitation Solutions (CASS).

## PROGRAMME FEE

The course fee is Rupees Twelve Thousand only (Rs. 12,000/-) which includes training kit, materials and local travel. This does not include boarding and lodging. CDD Society will assist in booking accommodation. The short-listed participants need to send a DD/cheque for the above amount to the address given below.

## TRAVEL & INSURANCE

The nominated participants have to bear all expenses towards their onward and return travel to and from Bengaluru. The organisers and sponsors shall not be responsible for any risk of illness, accidents, loss of money, property, etc. incurred by the participants. Participants are strongly advised to insure themselves against such risks.

## VENUE

The training course will be conducted at the CASS, Bangalore. This centre has been jointly established by CDD Society and RGRHCL, Karnataka.



**Consortium for DEWATS Dissemination Society**

**Consortium for DEWATS Dissemination (CDD) Society** is a not-for-profit organisation comprising of twenty network partners seeking to promote the provision of basic need services in urban and rural development through the promotion of decentralised solutions in Community Based Sanitation (CBS), Wastewater Treatment Systems (DEWATS), Solid Waste Management (DESWAM), Decentralised Water Supply Systems (DEWASS), Decentralised Renewable Energy Systems (DERES) and Urban Sanitation Planning.



**BORDA**

**Bremen Overseas Research & Development Association (BORDA)** was founded in 1977 as a non-profit organisation in Bremen, Germany. Since 1979, BORDA has been working in India with local partners to implement and disseminate sustainable solutions to the related problems of poverty and environmental degradation. Through integration of appropriate eco-friendly technology into a holistic framework, including technical, social, economic and environmental components, BORDA facilitates provision of basic needs services to urban, peri-urban and rural population, and technical support to small and medium sized enterprises, institutions, settlements and communities.



**RGRHCL**

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

For any enquiries contact:  
**Consortium for DEWATS Dissemination (CDD) Society**

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