



DECENTRALISED SOLID WASTE MANAGEMENT (DESWAM)

24 - 27 June 2013



This training is designed to impart, exchange and enhance advanced technical and social knowledge as well as practical skills on decentralised elements and approaches for planning, designing, executing, operating and maintaining sustainable solid waste management projects.

Organised by



Consortium for
DEWATS
Dissemination
Society

Supported by



BORDA



RGRHCL

VENUE

CASS

CENTRE FOR ADVANCED
SANITATION SOLUTIONS

Bangalore, Kengeri

BACKGROUND

Urbanisation is one of the most important demographic trends of this century.

The continuous high population growth and rapid economic development in urban areas has put a lot of pressure on the public, private and informal sector service providers in terms of closing the demand-supply gap. Increasing volume of solid waste in densely populated areas with changed lifestyle of packaged consumables, inadequate basic infrastructure in the low income settlements and peripheral areas as well as lack of appropriate planning are all challenges faced by cities in developing countries.

Sanitary services get least attention though they impact the health of people, lead to a deteriorating quality of life and an unsafe environment. Indiscriminate dumping practices cause not only direct and indirect spread of epidemics and diseases through waste accumulation in drainage networks and waterways; it also increases the risk of flooding and water resource contamination. Burning of solid waste contributes to even higher air pollution and respiratory diseases. Regular and safe disposal of solid waste is the basis for hygiene and prevention of diseases, hence the foundation for any development activities oriented at poverty alleviation through improvement of health.

Experiences from efficiently executed projects and best practices in the sector prove the necessity of community participation. Creating a sense of ownership among users and the local authorities is crucial for a sustainable, effective and efficient service delivery. Therefore, Decentralised Solid Waste Management (DESWAM) projects can be implemented most successfully where residents express an explicit demand for additional solid waste disposal services - especially where conventional service providers are unable to cope with the increasing amount of solid waste.

CDD Society - in cooperation with partner organisations - aims to bridge this supply gap by enhancing the capacities of service providers across the country, following the "3 R" approach: Reduce, Reuse, Recycle!



Decentralised Solid Waste Management (DESWAM)

DESWAM is mainly aimed at providing a **clean environment** as well as **hygienic living conditions for a community**. Hence, those projects run most sustainably, effectively and economically with a **participatory approach**, e.g. informed selection of appropriate technical options.

The DESWAM approach focuses on three aspects:

- **Reducing** the quantity of waste that has to be handled onsite, which in turn entails less transportation, dumping efforts and expenditures
- **Recycling** the organic material, e.g. to eco-friendly fertilizer by providing compost facilities or to biogas by the implementation of anaerobic digestion plants
- **Reusing** the byproducts either by own consumption (biogas for lighting and cooking or manure for gardening or agriculture) or by retail to generate additional income, which also makes the benefits of DESWAM valid and quantifiable

Therefore, it is important to consider requirements towards **waste fraction segregation**, suitable **treatment** of the different fractions, implementation of waste collection systems which ensure **separate handling** or **disposal** of remaining non-hazardous waste in an **ecologically acceptable manner**.

TRAINING OBJECTIVE

The objective of this training programme is to impart **technical and social skills** on decentralised elements and participatory approaches for planning, designing, executing, operating and maintaining sustainable **community based** solid waste management projects with a focus on **reduction, reuse and recycling**.

COURSE OUTLINE

- Situation analysis and need for intervention
- Problems and risks related to waste
- DESWAM principles (collection, transportation and storage of waste)
- Technical treatment options for disposal, recycling and reuse
- Management aspects (legal and financial framework, Private Public Partnership model, community and stakeholder participation, etc.)
- Operation and maintenance requirements

VENUE

The training course will be conducted at the Centre for Advanced Sanitation Solutions (**CASS**), located in **Kengeri, Bangalore**. CASS, being a one stop shop for sanitation solutions, has been jointly established by CDD Society and Rajiv Gandhi Rural Housing Corporation Limited (RGRHCL), Karnataka.

PROGRAMME OVERVIEW

The training programme is scheduled for **four days** from **26 - 29 June 2012**. Medium of instruction will be **English**. The sessions are timed from **09:00 a.m. to 06:00 p.m.** on each of the training days. Various methodologies are involved, e.g.

- Lectures and presentations
- Case studies and practical workshops
- Study tours and field visits

PARTICIPANTS

The participants should have a minimum of **1-2 years of work experience** in social and community work or waste management. The course is targeted at practitioners associated with **community work on sanitation and waste management issues** from different backgrounds, like:

- Local government units and public bodies
- NGOs and civil society groups
- Academic institutions
- Other organisations from relevant sectors

ATTENDEE BENEFITS

Each participant will be linked with CDD/BORDA's **international network**, which provides them with access to **regular knowledge** and **skill upgradation**. Also, the participants will be **awarded a certificate** on satisfactory completion of the programme.

REGISTRATION

The programme is designed for a **maximum of 20 participants**. The application form should be filled in all respects and returned to the contact address given below as early as possible. As the **seats are limited**, CDD will screen and select the most eligible applicants focusing on the relevance for their field of work and its usage after the training.

TRAVEL & INSURANCE

- All expenses towards the onward and return travel to and from Bangalore are borne by the participants (or their organisations) individually
- All daily local travels during the programme will be provided by CDD Society
- The organisers and sponsors are **not responsible** for any risk of illness, accidents, loss of money, property, etc. incurred by the participants
- The participants are **strongly advised to insure themselves** against such mentioned risks

PROGRAMME FEE

This is a fully residential training course, which includes boarding, lodging, a training kit, materials and local travel.

Course fee:

Indian Residents: Rs. 15,000/- (Rupees Fifteen Thousand Only)

Participants from developing countries: 325 Euros (Three hundred twenty five Euros Only)

Participants from developed countries: 400 Euros (Four hundred Euros Only)

The selected participants need to send a DD/Cheque for the above amount in the name of CDD Society, payable in Bangalore to the address given below.



Note: The brochure and application form can be downloaded from www.cddindia.org, www.borda-sa.org



Consortium for DEWATS Dissemination (CDD) Society is a not-for-profit organisation comprising of like-minded network partners seeking to promote the provision of basic needs services in urban and rural environment through the promotion of decentralised solutions in

- Community Based Sanitation (CBS)
- Wastewater Treatment Systems (DEWATS)
- Solid Waste Management (DESWAM)
- Water Supply Systems (DEWASS)
- Renewable Energy Systems (DERES)
- Citywide DBNS Planning (CSP)



Bremen Overseas Research & Development Association (BORDA) is a German non-profit organisation with headquarters in Bremen.

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 the integration of appropriate eco-friendly technology into a holistic framework, including technical, social, economic and environmental components, BORDA facilitates the provision of basic needs services to urban, peri-urban and rural populations and technical support to small and medium sized enterprises, institutions, settlements and communities.



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 is experienced in the construction, coordination and facilitation of housing provision 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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