

Training Workshop for Program Implementers on Bio-Sand Filters

Tamilnadu, India

Duration of the Workshop: 3 to 4 days **Venue:** People Academy, Pulloothu, Madurai,
Phone: 0452-2475440.

(The venue is about 10 km. from Madurai Railway Station.)

Participant group: Maximum: 20 people with 2 facilitators

The Workshop is proposed to be held sometime during Jan. / Feb. 2009.

The exact dates will be announced during first week of January 2009.

Course Outline

Workshop Description

The Bio-Sand filter which is a version of slow sand filter is an effective means of filtering water for the removal of microbiological contaminants.

Even though the BioSand filter operation is a very simple technology, several key operating parameters must be understood and adhered to it so as to effectively remove the pathogens. Training courses on the BioSand filter are essential to ensure the proper and consistent use of the filters. This training would cover the topics on the importance of sanitation and hygiene, water microbiology, water epidemiology, options available in household water treatment technology and technology of BioSand filter, along with the techniques of Bio-Sand filter fabrication,

installation and usage. The workshop will provide hands on experience on construction of BioSand filters, selection of filter media, and installation of filters. The workshop will also introduce the global impact of clean water, and water testing. The participants will get the designs, drawings, manual and a CD with all relevant literature, at the end of the training workshop.



Objectives

Upon completion of the workshop, the participants will be able to build and install the filters on their own. Participants will be able to guide the users about the operation and maintenance of the filter. Participants will gain the skills needed to implement safe water, hygiene, and sanitation program using the Bio-Sand filters.

Participants

- Experienced staff or program managers or programme engineers from development organizations.
- Any individual working or having interest on drinking water and sanitation issues.
- Engineering College Teaching and Lab staff involved in drinking water course or projects.
- No prior technical qualifications are compulsory. However good academic background will be an advantage. Participants must be able to read, write and understand English and eager to learn the developments in drinking water sector.

Pedagogy

- Power point presentation.
- Group work
- Practical work on construction and installation of filters
- Open discussion



Course Content

The following is a tentative list of topics that will be covered in the workshop

Theory	Practical
• Water issues	• Construction
• Pathogens	• Installation
• Transmission of diseases	• Operation
• Household water treatment –options	• Maintenance
• Safe water storage	• Troubleshooting
• Hygiene and sanitation	
• Water quality monitoring	

Course fee

The course fee is Rs.2500/- per person. Fees have to be sent in the form of Demand Draft drawn in favour of DHAN Vayalagam (Tank) Foundation payable at State Bank of India (Branch Code. 7482), Arasaradi, Madurai. The payment covers boarding & lodging, teaching materials and a CD with all designs and drawings of the moulds. All other incidental as well as travel expenses have to be borne by the participants. Trained individuals and organizations

will be enrolled in a network to exchange information and to provide a hand holding support

during their implementation.

Along with your course registration, the participant is required to

- Submit a one page preliminary project plan proposed following the training
- Respond to DHAN's annual survey
- Make best effort to initiate a house hold water treatment project following the training

Use of Cellular phones is strictly prohibited during the class room and practical sessions.

The participants who complete all the four days of the course including workshop practice only will get a completion certificate.

Registration Form

9^h Biosand Filter Training

Name of the Participant	:	
Designation	:	
Educational qualification	:	
Name of the organization	:	
Address of the organization	:	
Telephone / Fax	:	
Email	:	
Field of specialization	:	
Years of experience	:	
Details of payment of fees	:	
(Demand draft Bank / Date / Number)	:	

**Last date for
Registration is
30th January 2009**

Send the Registration Form To

Mr. A. Gurunathan / Ms. J. Kanagavalli

DHAN Vayalagam (Tank) Foundation

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