

Virtual Learning: Biosand Water Filter Technology August 25–27, 2020

Dear Friends,

Greetings from Sehgal Foundation!

S M Sehgal Foundation (Sehgal Foundation) and Rural Technology Park (RTP) of National Institute of Rural Development Panchayati Raj (NIRDPR) are working together to build capacities of practitioners and those intending to work on providing solutions/technologies for safe drinking water to communities in need. We are pleased to invite you for a three-day virtual learning session on Biosand Water Filter Technology.

This **e-learning** workshop is an opportunity to seek know-how on a sustainable solution for treating drinking water. The workshop will start with exploring the relationship between water, sanitation, and hygiene and health (WASH) in developing countries. Participants will learn about the role of household water treatment with emphasis on the biosand filter technology and improving health as well as effective ways to implement WASH projects. Integrated throughout the workshop are opportunities to discuss and begin planning a project.

The conventional biosand filter was designed in precast cement concrete to address biological contamination and turbidity in water. Sehgal Foundation engineers further innovated the design to improve its utility and efficiency suited to Indian conditions and named it **JalKalp**. The JalKalp model in stainless steel offers comfortable portability on village roads and hills. Additional technologies were integrated for the removal of arsenic, iron, and manganese. In this innovative model, the removal efficiency of pathogens was enhanced from 98.5 percent to a “not detectable” level. The biosand filter is a safe, effective, and sustainable household-level drinking-water solution.

The workshop will provide the required knowledge about the technology of the biosand filter, how it works, and its maintenance. The workshop will share knowledge about the JalKalp biosand filter, how to prepare the filter media as well as its installation, operation, and maintenance.

PARTICIPANTS

Individuals or groups who are:

- Working in water and sanitation, community development, or health projects seeking solutions for safe water,
- Aware of the need for safe water and may have some familiarity with household water treatment,
- Motivated and prepared to implement a biosand filter project,
- Mid-level managers within their organization with the responsibility for organizing projects and making decisions, and/or
- Program organizers, community liaison people, technicians, front-line supervisors, project managers, or project engineers.

Participation by women is encouraged. Preferably, attendance by two to five people from each organization will help ensure that they learn together and benefit most from the workshop.

Register at: https://docs.google.com/forms/d/e/1FAIpQLSeW-Id8fICx11K1Bk3O2SKXGVdTdXgfoWB6tCplKULtBifDmA/viewform?urp=gmail_link

Link will be provided to candidates to join the e-learning workshop after registration.

Contact person:

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