

Supeo Pani-Low Cost Solution



Supply of Safe Drinking Water

Background: Drinking water crisis in coastal area of south-west Bangladesh is a common national problem. Tube well is not successful in this area due to increasing salinity content in ground water but in some places/pocket, Tube well is supplying fresh water to the users. Deep tube well contains fresh water but it also soars high concentration of iron and arsenic. Earlier, coastal people were habituated for using water collected from Pond Sand Filter (PSF) but now the technology is useless due to increasing surface water salinity. Rain water is a temporary (3-4 months) solution but poor people have no access to collect materials of Rain Water Harvesting Plant. In this situation, coastal people are facing difficulties for easy access of safe drinking water. Consequently, community people of this area are severely affected by water borne diseases (about 60% of the poor inhabitants, DPHE, Shyamnagar). However, the pure drinking water crisis in this area is not only for the poor but it is a general issue for all community. Beyond that every year coastal people are facing natural disaster repeatedly; such as flash flood, drought, high salinity, cyclone, tidal surges including other manmade disaster like increasing uses of saline water at irrigated & fellow land for expanding of shrimp culture. So that water salinity is increasing (both surface & underground water) day by day of the coastal areas.

Considering this situation, Nowabanki Gonomukhi Foundation (NGF) has started a new project "Semi commercial business initiative" on Low-Cost Production of Safe Water and Distribution through establish collection point from 11th March, 2014. The main water production technology is "Desalination Process" and the water technology is environmentally sound, manageable and user friendly. This is innovative project ideas of NGF that make sure huge production of safe water by desalination process. The project has been financing by PKSF under LIFT Project for disseminating a sustainable solution package of coastal areas for easy access of safe drinking water.

Objectives of the Project:

The overall objective is to ensure safe drinking water for the poor/ultra poor people of the project areas. Specifically, to produce low-cost production of water and supply to the client on a reasonable price that affordable by poor community. To make sure the production quality and ensure the supply of drinking water to collection point where people can access easily. For smooth distribution of water, NGF has been developing dealer/retailer at different Hat/Bazaar for timely distribution of safe water.

Activities of the Project:

To promote smooth marketing system- NGF has been developing dealer/retailer for safe water marketing through entry point/collection point development based on the scarcity of drinking water. The regular activities of the projects are;

- Market Survey
- Dealer Selection and Capacity Development
- Materials Purchase both production & water supply)
- Water Production (through maintaining BSTI standard)
- Water Refining/ Packaging/ Seal and Marketing through Dealer/Retailer
- Water Supply distribution network development

