

WATER ACCESS - ZERO ENERGY WATER FILTERS

An adaptation of the traditional slow sand filter, these Bio-Sand Water Filters is made of concrete or plastic locally and filled with layers of specially selected and prepared sand and gravel; ensuring that bacteria, worms, viruses are eliminated. With a reach of 150+ households, with potential of 11,500 – 13,000 households, these are proven point-of-use water solutions that effectively remove 97% of bacteria and viruses, 100% protozoa and worms, and prevent the spread of water borne diseases such as cholera, typhoid, hepatitis-A and chronic diarrhea.



IMPACT & BENEFITS

Provides low-cost clean & safe drinking water using filters fabricated from local materials



Reduction of incidents of water-borne diseases.



Improved awareness campaigns among children & their families.



Life-span of a BioSand Filter is between 25-30 years with negligible operating costs.



Estimated Emission Reduction: 15,000 tonnes/year