

## Proposal for Two Fecal Sludge Treatment Plants in Prayagraj Under Swachh Bharat Mission (Rural)

To enhance sanitation and hygiene in rural areas, the Government of India has proposed the establishment of two Fecal Sludge Treatment Plants (FSTPs) in Prayagraj district under the Swachh Bharat Mission (Rural). This initiative aims to address the challenges of human waste management, prevent environmental pollution, and improve public health in the region.

The decision to set up two FSTPs in Prayagraj is based on the increasing sanitation needs of rural areas. With a large population and expanding settlements, the volume of untreated fecal sludge is rising, leading to environmental and health hazards. These treatment plants will ensure efficient sludge management, reducing contamination risks and promoting a clean and sustainable rural ecosystem.

### Key Benefits and Utility of the FSTPs

#### 1. Efficient Waste Treatment and Disposal:

The scientific treatment of fecal sludge will prevent open defecation and improper waste disposal, leading to a cleaner and healthier environment.

It will ensure safe disposal and reuse of treated sludge in an eco-friendly manner.

#### 2. Reduction in Waterborne Diseases:

The presence of untreated waste in rural areas contributes to diseases like diarrhea, typhoid, cholera, and dysentery.

With these treatment plants, such health risks will be minimized, leading to a healthier rural population.

#### 3. Improvement in Groundwater and Soil Quality:

Contaminated groundwater is a major issue due to the infiltration of untreated sludge.

The FSTPs will prevent groundwater contamination, ensuring safer drinking water and better irrigation quality for agriculture.

#### 4. Enhanced Rural Cleanliness and Hygiene:

Proper sludge management will lead to cleaner surroundings, odor-free villages, and better sanitation facilities.

This will elevate the standard of living in rural areas.

#### 5. Employment Generation and Economic Growth:

The establishment of two FSTPs will create multiple job opportunities for local residents in plant operations, maintenance, and waste collection.