

Please find the summary of the project activity below:

Green Solutions is the promoter of the project activity.

The project activity involves operation of 10000 household biogas plants (biodigestors) in Ramgarh, Rudrapur, Sitarganj, Dehradun, Haldwani of State Uttarakhand. The biodigesters are of 3m³ (almost 90%), 4m³, 2m³ and some of 6m³ capacity (minimal). The plants covered under the project activity are commissioned from 28th February 2020 onwards.

Pre project VS Project scenario:

Household survey was conducted to assess the baseline fuel and quantity used. As per the Survey, firewood was the main fuel used to suffice domestic needs. Usage of inefficient firewood leads to indoor pollution and land use patterns have been showing a decrease in forest land cover and increase in degraded land. Increasing pressure from human and livestock population and indiscriminate and illegal exploitation of forest resources are among factors that have led to further intensification of the problem. Degradation of forest lands has exacerbated the already existing problem of desertification. There is a need to maintain adequate forest cover in the state to mitigate climate change effects. The project envisages to reduce fuel wood consumption along with an improvement of lives by reducing indoor air pollution.

Project activity involves bundling of 10000 plants installed in rural areas of Uttarakhand installed from 28th Feb 2020 onwards.

- Environmental Benefits: Reduction in firewood consumption and emission of greenhouse gases, forest and biodiversity conservation (SDG#13).
- Economic Benefits: Employment creation and saving of health cost (SDG#3,5, 8).
- Health Benefits: Sufficiently enhance indoor air quality thereby improving health family members and reducing incidences of smoke and fire related injuries (SDG#3).
- Social Benefits: The project will provide affordable and clean fuel compared to baseline scenario (SDG #7)