

## Non-Technical Summary of Project

**Project Title:** Bio-digester Project in East Uttar Pradesh

**Project Id:** GS12140

**Please find the summary of the project activity below:**

DNS Environmental Solution is the promoter of the project activity. The project involves maintenance of the installed bio-digester of 3m<sup>3</sup> capacity at the household level in Eastern part of Uttar Pradesh state in India.

### **Pre-Project versus Project Scenario**

Usage of traditional cookstoves using firewood as a fuel leads to indoor air pollutions. Increasing pressure from human and livestock population, indiscriminate and illegal exploitation of forest resources are among factors that have led to further intensification of the problem. 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

The implementation of this project activity would contribute to the sustainable development of the region according as stipulated by the Ministry of Environment and Forests (MoEF). Each of the sustainable development indicators established by the Government of India have been analysed in the context of the project activity to assess the project's contribution to sustainable development. This analysis appears below:

- **Environmental Benefits:** Reduction in firewood consumption which enhances sequestration and thus helps in reduction of greenhouse gases while also helping improve biodiversity, (SDG#13 | Climate Action).
- **Health Benefits:** Sufficiently enhances indoor air quality thereby improving health of the family members and also helps in reducing incidences of smoke and fire related injuries (SDG#3 | Good Health & Well Being).
- **Social Benefits:** The project will provide affordable and clean fuel (Bio gas) as compared to baseline scenario (fuel wood) (SDG #7 | Clean & Affordable energy)
- **Economic Benefits:** Employment creation and saving of health cost (SDG#8 | Decent Work & Economic Growth).