

## 3R GOOD PRACTICES IMPLEMENTED BY NGOs/CBOs



### 3R Good Practices in Nepal

<b>NGO /CBO</b>	<b>BSP-Nepal</b>
<b>Activity</b>	Biogas Production
<b>OUTLINE OF 3R GOOD PRACTICES</b>	
<b>Keywords</b>	Biogas, Reuse, Reduce, Nepal
<b>Country</b>	Nepal
<b>Area Implemented</b>	69 districts in Nepal
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<b>Waste Sector</b>	Cow Dung
<b>3R Practice</b>	Biogas plant
<b>Website / Data Source</b>	<a href="http://www.bspnepal.org.np">www.bspnepal.org.np</a>

## OVERVIEW OF PRACTICES

### **Introduction**

Biogas Sector Partnership Nepal (BSP-Nepal) was established as an NGO in 2003. It is an implementing agency of the Biogas Support Programme (BSP) Phase-IV, to promote environment-friendly and sustainable solutions to people in partnership with other groups working in this sector. The main objective of BSP-Nepal is to develop and publicize biogas plants as a mainstream renewable energy solution to rural Nepal. BSP is ISO 9001:2000 certified for its strong quality management system and subsidy administration.

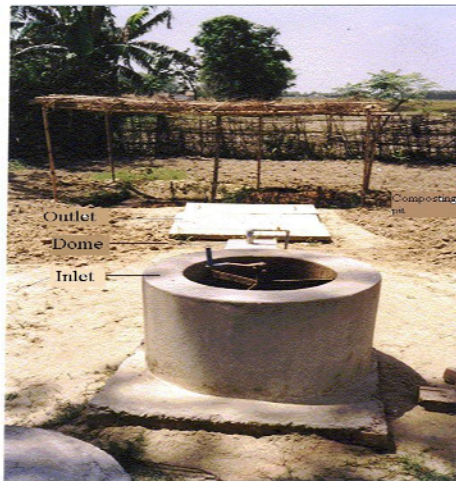
### **3R Good Practice**

The BSP technically assists and financially support families to build biogas plants in rural areas of Nepal. It also has helped low-income rural households to make biogas technology affordable and accessible to large extent.

Thus, these initiatives have encouraged reuse of cattle dung and sewage through biogas plants reducing the use of firewood and kerosene primarily sustaining reduction in GHG emission. Further, the product after completion of digestion period from the biogas plant is reused for composting. About 302,500 tons of digestate is produced annually from household composting and reused as fertilizer.

### **Outcome of Practice**

- Of the 75 districts in Nepal, BSP has installed 172,858 biogas plants in 69 districts .This has resulted in an annual saving of 345,716 tons of fuel wood, 60,500 tons of agricultural waste, 103,700 tons of dung cakes, 4.32 million liters of kerosene and an annual reduction of 1,210,000 tons of GHG emissions.
- The product from composting is reused as fertilizer in the village.
- BSP has turned out to be a model for implementing successful biogas programmes. The project has also directed and motivated the villagers to use their cattle dung to produce biogas and manure.



**Biogas plant**



**Biogas plant in Hill region of  
Nepal**



**Biogas plant in Terrain region of  
Nepal**



**Biogas plant in Mountain region of  
Nepal**