

## Completed Project:

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### Project Report

**Project Ref: 111.02**

**Name of Project: Biogas Plant Installation for a poor family living in Gulariya, Bardia**

**Amount Supported: 128.90 GBP**

We are pleased to inform you that the project you kindly sponsored has now been completed. It was finished on the **June 15, 2005**.

#### **Stakeholder's comments:**

*"It is great support for the poor family. The project helps to improve health condition of the family members. It also helps to keep environment clean in terms of fire wood, slurry, which can be use as organic fertilizer. Least but not last, it saves cooking time for women.",* Kailash Man Shrestha, Vice President of the implementing organization.

*"Now, we don't need to worry about fire wood and it is good for health and also for agriculture",* House owner.



**On behalf of the community who will benefit, many thanks for supporting this project.**

Registered charity: 1099792

## Construction of a Biogas Plant for an impoverished farmer living in rural Nepal

Project Reference: 64.02

### ► How will this project help?

The farmer who will benefit from this project is from one of the lowest castes in Nepal, a group that is traditionally discriminated against in the community. This project will provide a farmer with the materials and expertise needed to construct a bio gas plant. This will support the farmer financially as they can convert natural waste into fuel rather than having to purchase it. The project will also help conserve natural resources. In the past, it has only been wealthy farmers who have been able to afford a Biogas Plant when it is the poorer farmers who are most in need of a cheap fuel supply. The operational cost of a biogas plant is virtually nil but there are numerous benefits. On average, one biogas plant helps to save 2 tons of fuelwood, 0.8 tons of agricultural waste, 0.45 tons of dung cake and 50 litre of kerosene per household. The other considerable benefit is the saving of labour; with at least 3 hours per day saved per household. The plant also produces slurry as a bi-product which is a good organic fertilizer. A further benefit of cooking with gas, as opposed to burning wood, is smoke free cooking. This helps reduce the incidence of respiratory disease which is currently a significant risk for women and children. The farmer you are supporting has very limited funds but has raised one third of the cost of the plant. In providing the remaining support, this farmer can now achieve his goal of constructing a Biogas plant which will benefit his whole family for many years to come.

### ► Cost of Project

#### **Cost breakdown**

Each biogas plant costs over 20,000 NRS to construct, however the farmer has agreed to raise over 30% of this.

### ► Who needs help with this Project?

Farmers in Western Nepal.

### ► Where is this project needed?

Nepal



### ► Nepal Factfile

- ◆ Population: 23.1 million
- ◆ Average annual income: US\$ 220
- ◆ Often described as the “country of villages” with over 80 % of the population living in over 40,000 villages, some of which are located in remote mountainous regions.
- ◆ Only 28% of the population have access to adequate sanitation
- ◆ Every year 35,000 children still lose their lives due to diarrhoea.
- ◆ 76% of adult females are illiterate



Biogas can be used for cooking to replace fuelwood and lighting to replace kerosene. The benefits of this is that kitchen stoves become smoke-free and ash-free which significantly reduces the risk of respiratory infections for

The amount needed from donor is for the biogas plant is 13,000 NRS  
plus Project Implementation costs = 3500 NRS  
Local bank charges to receive funds = 350 NRS

women who can therefore look forward to a longer life expectancy.

Total cost of project in local currency = 16850 NRS

► **Total Cost of Project in Pounds =**  
**£140.42**