

## **Project Title: 0114 - Installation of Toilet- attached Biogas Plants and Solar Systems in Cantonments of Kailali Division**

**Name of Implementing Agency:** Alternative Energy Promotion Center (AEPC), Ministry of Environment

**Contact Person:** Mr. Samir Thapa, Senior Energy Officer, AEPC

**Status:** Completed

**Duration:** February 2009 – March 2011

**Location:** Talband, Sahajpur, Badepur and Chisapani cantonments in Kailali district

**Beneficiaries:** Maoists combatants residing in the cantonments of the Kailali Division



### **Objectives:**

- To improve the cantonment management through adequate provision of energy (cooking energy and electricity), better communication and information and also help reducing deforestation by installing the biogas plants and solar systems in the cantonments.
- To effectively manage bio-degradable solid and liquid waste for improved food security.

### **Summary of Achievements:**

- i) Biogas Plants and Toilets attached: The construction of all the 18 biogas plants with 18 toilets attached is completed.
- (ii) Solar System: The installation of the 75 solar systems is completed.
- (iii) Trainings: 4 trainings on the operation and simple maintenance of the biogas plants and solar systems are delivered to 120 persons.

### **Outcomes:**

- All installed Biogas plants are functioning but less efficient due to lack of maintenance
- Consumption of firewood from forest is reduced

### **Issues:**

- Inadequate maintenance leading to non-optional use of the facilities.