

# **BIO-ENTERPRISE DEVELOPMENT PROJECT**

Renewable energy, Livelihood Promotion

**Bihar, Jharkhand**

## **HALF-YEARLY PROGRESS REPORT**

**FOR**

**BIO GAS PLANT**

**SUBMITTED**

**BY**



**SAMAGRA VIKAS MISSION**

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Project Title: Renewable energy, Livelihood Promotion

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PREFACE

SAMAGRA VIKAS MISSION (SVM) is registered under society registration Act, 21-1860 in the year 1992-93. Presently the organization is functioning under the leadership of Mr. Manoranjan Kumar and focusing itself on renewable energy since 10 years. It has been reaching to 5 districts of Bihar and Jharkhand through its services of renewable energy generation.



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**Technical specifications**

**1 NAME OF WORK**

The project called "Promoting bio gas plants as an alternative for cooking energy and home lighting systems at Jharkhand, INDIA" has been awarded to SamagraVikasMission under supervision of Mr. Manoranjan Kumar.

**2 OBJECTIVES**

The construction work is carried out as per detailed line schedules to meet the following objectives:

- To meet cooking energy need of tribal families in remote villages through bio gas plants
- Developing a proto type for the bio gas plants for people having lesser number of cattle
- Reducing biotic pressure on forest for fuel wood requirement

**3 DURATION FOR PROPOSED PROJECT**

The duration of proposed project is 2 years includes awareness, construction & commissioning.

**4 SCOPE OF PROJECT**

The said project shall be complete based on landmark basis and to complete this project four landmark has been considered:

**Landmark-1**

- ✓ Awareness of locals / villagers
- ✓ Selection of farmers
- ✓ Selection of site

**Landmark-2**

- ✓ Construction of biogas plant

**Landmark-3**

- ✓ User's training
- ✓ Maintenance training
- ✓ Capacity building
- ✓ Distribution of tool kits & User manuals

**Landmark-4**

- ✓ Measurement of deliverable

**5 Accomplishment of Proposed Project**

**5.1 Meeting with people**

A general introduction about benefits of biogas plant has been given to the villagers of all three villages. Like:



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- a. Biogas burn smoke free, hence cooking on this will not harm to the eyes.
- b. Cooking on biogas is free from carbon deposition on utensils.
- c. Biogas exactly working likes LPG gas.
- d. Biogas having less explosive nature compare to LPG gas hence comparatively safer to use.
- e. Cooking area will be cleaner (comparatively cooking on wood).
- f. Dung (slurry) coming out from digester tank can be used as vermin compost for agriculture.

Apart from only counting the benefits of biogas, the video clips on biogas plant and cooking procedure have been also shown to the villagers.

In the beginning of exercise it was little difficult to take the villagers in confidence, but when SVM has shown live demonstration to them then people watching that, start believing the fact and benefits of biogas plant.

Thayer site visit and introduction to the people made us more comfortable to take the villagers in confident and in implementing the biogas plant project.

## 5.2 Selection of farmers

Selection of farmers has been done based on landmark-1

## 5.3 Job execution

After completion of selection of farmers, construction of Biogas plant is started in all three villages. Initially three biogas plant was installed in each villages and been demonstrated to the villagers. Few of the villagers got surprised after seeing the lighting of biogas stove.

After demonstrating this, we all unit team had a tea using this biogas plant, and after that SVM team has decided to conduct one more awareness camp in which owner of biogas plant has (in each villages) shared his experience to the other villagers and counted the benefits of biogas plant.

A special awareness camp has been arranged by SVM for the person who got the first biogas plant in the village and he shared his experience to the villagers about using the biogas plant.

32 biogas plants have been constructed till date out of that 25 biogas plants has been commissioned.

In the beginning, the project started with little slow due to rainy season and transportation problem (villages are after crossing two rivers and the river has got no over bridge). But now the project is back on line.

## 5.4 Future need

- ✚ After seeing the presentation of SVM and well working condition of Biogas plant, the demand of biogas plant from the other villages are also coming.
- ✚ SVM is looking to provide the solar system to the villagers so that youngster and small kids of the villagers can do the study in the evening.
- ✚ SVM is also interested to open a “**RE-CREATION CENTER**” for the youngster student who stays in city. That “**RE-CREATION CENTER**” shall have the facility for seating arrangement of at least 100 students with one news center (equipped with TV and radio to get the happening news and update around the world), about 20 to 25 computers for their e-learning or awareness about the computer e.g. typing, Microsoft office knowledge, web surfing etc. and with Basic English speaking course.

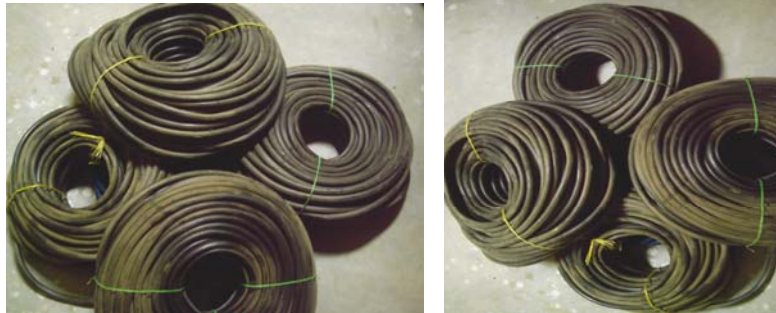
To run this “**RE-CREATION CENTER**” SVM would like to appoint a permanent well qualified English speaking teacher who will manage the facility of “**RE-CREATION CENTER**”.

SVM looking forward and would be gratified for the kind help from TPW to implement the above project for the poor family goodwill.

If TPW wanted to highlight any concern about this, SVM will be highly appreciable to implementing those points and concern.

**6 FEW PICTURES TAKEN DURING WORK OF PROJECT PROMOTING BIO GAS PLANTS**

**a. Material purchased for biogas plant**



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**b. Lady working for project**



**c. Mr. Manoranjan showing the function of biogas plant**





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**d. Villagers standing with the Biogas plants**





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*We hope this report meets your expectations if any queries please ask us.*

**Thanking you**

Manoranjan Kumar  
CMD/Secretary  
SAMAGRA VIKAS MISSION