

**SOCIO-ECONOMIC IMPACT OF BIOGAS ENERGY ON
RURAL WOMEN:**

A Case Study of Sangrumba VDC of Ilam District

A Thesis

Submitted To:

**Department of Rural Development
Mahendra Ratna Multiple Campus, Ilam**

**The Faculty of Humanities and Social Sciences, Tribhuvan University,
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LETTER OF RECOMMEDATION

This thesis entitled **Socio-Economic Impact of Biogas Energy on Rural Women: A Case on Study Sangrumba VDC of Ilam District** has been prepared under my guidance and supervision. I hereby forward this thesis to the evaluation committee for final evaluation and approval.

Date: 14-09-2072
29-12-2015

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Supervisor



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APPROVAL LETTER

We certify that this dissertation entitled “**Socio-Economic Impact of Biogas Energy on Rural Women: A Case Study Sangrumba VDC of Ilam District**”. Submitted by **Mr. Laxmi Prasad Dahal** in partial fulfillment of the requirements for the Master's Degree (M.A) in Rural Development has been approved by the evaluation committee.

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Date: 11/11/2072

23/02/2016

Declaration

I hereby heartily declare that this thesis **Socio-Economic Impact of Biogas Energy on Rural Women: A Case on Study Sangrumba VDC of Ilam District** has been prepared by Laxmi Prasad Dahal submitted to the department of Rural Development Mahendra Ratna Multiple Campus Ilam, is my original and empirical work prepared under the intellectual guidance of my respected supervisor, the department of Rural Development Bed Nath Giri. I truly want to state that I have borrowed all idea and information from different sources for the preparation of them. I made due acknowledgement to them it is also declared that the results of thesis have not been presented and submitted anywhere else for the award of any degree and for any other proposes. I want to assure that any part of the content of this thesis has not been published in any form before.

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Laxmi Prasad Dahal

29-12-2015

ABSTRACT

This thesis entitled **Socio-Economic Impact of Biogas Energy on Rural Women: A Case Study Sangrumba VDC of Ilam Distric** with the objective to analyze the Scio-economic impact Biogas on rural women and in turn its benefit to the women livelihood style.

While talking about the impacts of biogas to rural women, one counts a number of benefits like it minimises the workloads and time of fetching firewood, motivates male to help in kitchen works and kitchen gardening and also make marginalised community inclusive to the livelihood programme for the betterment. Further to the social impact, it also have economic impacts like saving money of firewood, minimisation of health costs due to health improvements, women participation in economic works and slurry use for increasing the productivity of farms.

The number of impacts goes even more when environmentalists explain them. However, using the concept of social structure of gender and following the field study with structured questionnaires and focus group discussion the study found that the effect of biogas is general in nature. It has made the work easier within

the social construction of gender, but it has no effect to increase women participation in income generating activities outside the farm. After installation of biogas plant women left to go to jungle for collecting firewood or they are saving money by not buying firewood anymore.

Social activities of women are mostly religious, which are also parts of the social construction. Besides these observations the study found that biogas program in Ilam is not able to benefit Dalits and minorities as they are not included in the program significantly. The other weakness is that it is also not able to demonstrate the benefits of biogas for lighting and thus, is limited to cooking and slurry use for kitchen gardening and farms. However, biogas program, in general, has positive effects to reduce the workload and improve health situation of women.

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ACRONYMS

ADB/N	Agriculture Development Bank of Nepal
AEPC	Alternative Energy Promotion Centre
BSP	Biogas Support Program
BSP/N	Biogas Sector Partnership Nepal
CRT/N	Centre for Rural Technology Nepal
HH	Household
ICIDMOD	International Centre for Integrated Mountain Development
INGOs	International Non-Governmental Organization
MOF	Ministry of Finance
NBL	Nepal Bank Ltd
NBPC	Nepal Biogas Promotion Group
NGOs	Non-Government organization
NPC	National Planning Commission
RBB	Rastriya Banijya Bank
RETs	Renewable Energy Technology
VDC	Village Development Committee