

Socio-Economic and Environmental Impact of Improved
Cooking Stove (ICS) on Users
A Case Study of Jang VDC, Rukum District.

A Project Report
Submitted to the Central Department of Rural Development Tribhuvan
University
in Partial Fulfilment of the Requirement for the Master Degree of
Art in Rural Development.

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April 2011

LETTER OF RECOMMENDATION

This is to certify that Bhoj Raj Sunuwar has prepared this thesis on **"Socio-Economic and Environmental Impact of Improved Cooking Stove on Users: A Case Study of Jang VDC, Rukum District,"** under my guidance and supervision. He has successfully completed the project work in the format as required by the Department.

I forward this thesis for examination and acceptance.

Mr. Ratna Mani Nepal

Date: 2067/12/26

LETTER OF APPROVAL

This is certified that the Thesis Work submitted by Bhoj Raj Sunuwar entitled "**Socio-Economic and Environmental Impact of Improved Cooking Stove (ICS) on Users**": A Case Study of Jang VDC, Rukum District, has been accepted in partial fulfilment of the requirements for Master Degree of Art in Rural Development by this Department in the prescribed format of the Faculty of Humanities and Social Sciences and is forwarded for the evaluation.

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ACKNOWLEDGEMENT

First of all, I would like to express my thanks to the Central Department of Rural Development for providing an opportunity to study and prepare this thesis work. I would like to acknowledge my supervisor, Mr. Ratna Mani Nepal for his constructive and invaluable guidance and supervision in the preparation and completion of this study.

I would like to express my profound gratitude, sincere appreciation and indebtedness to the improved cooking stove (ICS) users' respondent households of Jang Village Development Committee, Rukum District for providing invaluable information without which this study could not be possible. My acknowledge goes to Mr. Dhana Bahadur Gharti (Magar) and Mr. Sher Bahadur Khadka the staffs of Nepal Magar Society Service and Information Centre (MIC-Nepal) Rukum for their invaluable support in arranging and conducting household survey and gathering information.

Likewise, I would like to express thanks to Central Library TU, Kirtipur, for making reference materials available for review and study. Special thanks go to MIC-Nepal and DDC Rukum for providing invaluable information to review. And I want to acknowledge to my colleague Mr. Hiral Lal Shrestha for their invaluable contribution in collecting information to preparation of this thesis work.

Last but not the least, I owe a special dept of gratitude to my late parents Mr. Karna Bahadur Sunuwar and Mrs Jaga Maya Sunuwar, my beloved wife Ms. Laxmi Maya Sunuwar, Son Roshan Jijicha (Sunuwar) and Daughters Romee and Roshita Jijicha (Sunuwar) respectively for their invaluable contributions, create study environment and continuous supports and priceless encouragement.

Bhoj Raj Sunuwar

26 Chaitra, 2067

This research was conducted in Jang VDC of Rukum District. The title of the study was "Socio-Economic and Environmental Impact of Improved Cooking Stove (ICS) on users". Necessary information data were gathered from 38 respondents' household of ICS users using interview schedule. The study has presented a description and assessment of various Socio-Economic and Environmental Impact of ICS Users in the study area. The study has focused on particular attention to advantages of utilization of ICS, energy, time and financial advantages, improvement of health sanitation, work load of women and girls and improvement of environment after utilization of improved cooking stove.

From the field survey, it is found that the majority of respondent household use the ICS appropriately for cooking and found satisfied with their Improved Cooking Stoves. Agriculture is the main occupation of the Improved Cooking Stove users. Respondent households about 89.47 percent respondents were engaged in agriculture. Due to the installation of ICS in the households, required money for buying medicine, Kerosene and required time for collecting firewood and cooking was highly saved and that saving money is utilized 74 percent household for educational activities, and the saving time is utilized agricultural as well as social activities.

Majority of the ICS users' household had realised that there were significantly changes: improved indoor health condition through smokeless cooking, improved in personal health and hygiene and reducing burning firewood directly helped to improve clean outdoor environment.

It is found in the study area that, overall positive Socio-Economic and Environmental Impact of ICS on users household. It also has helped to save time, reduced work load of women and girls and also helped to clean health, sanitation and environment.

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ABBREVIATION/ACRONYMS

VDC	= Village Development Committee
DDC	= District Development Committee
AEPC	= Alternate Energy Promotion Centre
CFUG	= Community Forest Users Group
CFDP	= Community Forestry Development Programme
CRT/N	= Centre for Rural Technology, Nepal
CBOs	= Community Based Organisations
DANIDA	= Danish International Development Assistance
DWD	= Department of Women and Development
ESAP	= Energy Sector Assistance Program
FAO	= Food and Agriculture Organisation
GO	= Government Organisation
GoN	= Government of Nepal
ICIMOD	= International Centre for Mountain Development
ICS	= Improve Cooking Stove
UMN	= United Mission to Nepal
RECAST	= Research Centre for Applied Science and Technology.
UNICEF	= United Nations International Children's Emergency Fund
MIC-Nepal	= Nepal Magar Society Service and Information Centre
UNDP	= United Nation Development Programme
CDRD	= Central Department of Rural Development.