

Role of Social Capital in Sustainability of Community Managed Water Supply and Sanitation Projects

A Comparative Case Study of Lyakhu, Kapan and Chhagdanda Water Supply Projects

A Dissertation

Submitted to the Department of sociology/Anthropology
Prithvi Narayan Campus in the partial Fulfillment of the Requirement
for Master Degree in sociology

By

Sunita Dhakal (Pokharel)

Roll No: 189/060

Tribhuvan University Faculty of Humanities and Social Science

Department of Sociology/Anthropology

Prithvi Narayan Campus

Pokhara Nepal

April, 2011

Recommendation Letter

This is to certify that Sunita Dhakal (Pokharel) has completed this dissertation entitled "Role of Social Capital In Sustainability of community Managed Water and Sanitation Project: Comparative Case Study of Lyaku, Kapan and Chhaphdanda Projects" under my supervision and guidance. This is an innovative and original work and I recommend this dissertation for final approval and acceptance by dissertation committee.

Date: April 2011

.....
Shiva Bahadur Thapa
Lecturer
Tribhuvan University
Department of Sociology/Anthropology
Prithvi Narayan Campus
Pokhara, Nepal.

LETTER OF ACCEPTENCE

This dissertation entitled "Role of Social Capital in Sustainability of Community Managed Water Supply and Sanitation Projects (A Comparative Case Study of Lyakhu, Kapan and Chhapdanda Water Supply Projects)" submitted to the department of Sociology and Anthropology, Tribhuvan University, Prithvi Narayan Campus, Pokhara by **Sunita Dhakal (Pokharel)** has been accepted as the partial fulfillments of the requirements for the degree of Masters of Arts in Sociology by the undersigned members of dissertation committee.

DISSERTATION EVALUATION COMMITTEE

Chairperson

.....
Shanti Bhusal

External Examiner

.....
Prof. DR. Kedar Bashnet

Dissertation Supervisor

.....
Mr. Shiva Bahadur Thapa

Date: - April, 2011

LETTER OF RECOMMENDATION BY LANGUAGE EDITOR

This is to certify that I have gone through the draft of dissertation entitled " Role of Social Capital in Sustainability of Community Managed Water Supply and Sanitation Projects (A Comparative Case Study of Lyakhu, Kapan and Chhapdanda Water Supply Projects)" prepared by **Sunita Dhakal (Pokharel)** as a language editor and made necessary correction and improvements. I have been impressed by the researcher's intelligible presentation of the facts through the medium of plain and correct English.

Shyam Prasad Paudel
Associate Professor,
Department of English,
PNC
Pokhara

April, 2011

ACKNOLEWGEMENT

The dissertation entitled “Role of Social Capital in Sustainability of Community Managed Water Supply and Sanitation Projects: A Comparative Case Study of Layku, Kapan and Chhapdanda Water and Sanitation projects” is a part of requirement for Master Degree in Sociology. This report is an outcome of extensive survey carried out in the rural and urban Community Managed Water Supply and Sanitation Projects.

Without the continuous support, supervision and suggestion of my Supervisor Lecturer Shiva Bahadur Thapa this task would not be possible. I would like to express my sincere gratitude to Mr. Shiva Bahadur Thapa. My thanks go to **external supervisor Prof. DR. Kedar Bashnet** who provided me constructive suggestions and feedbacks. I would also like to thank all the lecturers of Department of Sociology/Anthropology including Department Head and my colleagues who encouraged me directly or indirectly to carry out this project. Last but not least, I would like to thank project implementing agencies, beneficiaries and key informants who provided me invaluable information.

Sunita Dhakal (Pokharel)

TABLE OF CONTENTS

CHAPTER-I: GENERAL INTRODUCTION	1-4
1.1 - Introduction	1
1.2 – Statement of the Problem	2
1.3 - Objective of the Study	3
1.4 - Significance of the study	3
1.5 – Limitation of the Study	4
CHAPTER-II: LITERATURE REVIEW	5-10
CHAPTER-III: RESEARCH METHODOLOGY	11-14
3.1 – Research Design	11
3.2 – Sampling Procedure	1
3.3 – Nature of Data	11
3.4 - Indicator Development	12
3.5 – Data Collection Tools	13
3.6 - Data Analysis	14
CHAPTER-IV: DATA ANALYSIS AND FINDINGS	15-31
4.1 – Indicators	15
4.2 – Assessment Criteria	17
4.3 – Sustainability status with respect to criteria and indicators	24
4.4 – Factors affecting the success/sustainability	25
4.5 – Level of Social capital with respect to factors	26
4.6 – Factors affecting the level of social capital	27
4.7 – Comparative Analysis of the Findings	29
4.7.1- Sustainability status by geographic location	29
4.7.2- Sustainability status between rural and urban areas	29
4.7.3- Level of social capital by rural and urban areas	30
4.7.4- Level of social capital by homogeneity and heterogeneity	30
4.7.5- Sustainability of the projects and social capital	31

CHAPTER-V: SUMMARY, CONCLUSION AND RECOMENDATION	32-35
5.1 – Summary	32
5.2 – Conclusions	34
5.3 – Recommendations	35

REFERENCES

ANNEXES

ACRONYMS

CMWSS	:	Community Managed Water Supply and Sanitation Project
CT	:	Community Technician
DDC	:	District Development Committee
FGD	:	Focused Group Discussion
KII	:	Key Informant Interview
NGO	:	Non Governmental Organization
PC	:	Photo Capture
RWSSFDB	:	Rural Water Supply and Sanitation Fund Development Board
UC	:	Users Committee
UI	:	Users Interview
VMW	:	Village Maintenance Worker
WSUC	:	Water and Sanitation User Group
O &M	:	Operation and Maintenance

LIST OF TABLES

Table No	Title	page
1:	RWSSFDB sustainability Study/Monitoring Framework	10
2:	List of Selected Projects	12
3:	Social Capital Monitoring Indicators	12
4:	Sustainability monitoring Indicators	13
5:	Sustainability Indicators	16
6:	Social Capital Indicators	17
7:	Details of Factors and weight Distribution for Sustainability	18
8:	Details of Factors and weight Distribution for Social Capital	20
9:	Scoring system for Sustainability Analysis	22
10:	Scoring system for Social Capital Analysis	22
11:	Summary of Sustainability Status of the Projects	22
12:	Summary of Social capital in the Projects Area	23
13:	Sustainability Status of the Project	23
14:	Sustainability Status and Level of Social Capital	23
15:	Sustainability Score of the projects with respect to Criteria	24
16:	Social capital Score	27
17:	Sustainability Status of the projects by Geographical Location	29

LIST OF FIGURES

Figure No.	Title	Page
1:	Average score of factors affecting sustainability	25
2:	Factors affecting sustainability of the projects	26
3:	Level of Social capital	26
4:	Average percentage of factors affecting social capital	28
5:	Factors Affecting social capital	28