

# **DRINKING WATER IMPACT ON RURAL COMMUNITY HEALTH AND ENVIRONMENT**

**( A Case Study of Shova VDC, Rukum District )**

**A**

**Thesis**

**Submitted to the Central Department of Rural Development in  
Partial fulfillment of the Requirement for the Degree of Master of  
Arts in Rural Development**

**GANESH SINGH MAHARA**

**Exam. Roll No. 3695 T.U. Regd.No. 22458-94**

**Central Department of Rural Development**

**Tribhuvan University**

**Kirtipur, Kathmandu, Nepal**

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## **LETTER OF RECOMMENDATION**

It is a great pleasure that I recommend for the approval of the thesis entitled Drinking Water Impact on Rural Community Health and Environment: A Case Study of Shova VDC Rukum prepared by **Ganesh Singh Mahara** under my supervision for his partial fulfillment of the requirements for Master of Arts in Rural Development. Therefore, this thesis is recommended for its evaluation.

Date:

---

Dr. Prem Sharma  
Supervisor

## **LETTER OF APPROVAL**

This is to certify that the thesis submitted by **Ganesh Singh Mahara** entitled Drinking Water Impact on Rural Community Health and Environment: A Case Study of Shova VDC Rukum District has been approved by this department in the prescribed format of the faculty of humanities and social sciences. This thesis is forwarded for the acceptance.

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Prof. Dr. Pradeep Kumar Khadka  
Head

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Dr. Chandra Lal Shrestha  
External

---

Dr. Prem Sharma  
Supervisor

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**Ganesh Singh Mahara**

## **ABSTRACT**

*Water is a gift of nature and Nepal is the second richest country of the world in the water resources. Without water no life can be imagined. The provision of safe drinking water supply is one of the most effective measures to improve the health of people. To provide safe drinking water and to control water born diseases; various efforts were made by government as well as non-government sectors. Among them, NEWAH is an active NGO that works in rural Nepal providing clean drinking water, sanitation and health education.*

*Nepal's environmental challenges cover a wide range of complex issues, which are interrelated and detrimental to health. The main environmental issues are water pollution due to poor sewerage and sanitation; industrial discharge wastages, rapid population growth, rural-urban migration, poverty etc, are the major causes of environmental degradation in Nepal. Poor water supply and lack of sanitation has been the cause of diarrhea, dysentery, typhoid, skin diseases etc*

*The present study mostly has been focused on the impact of safe drinking water and sanitation on rural people health and environment. Various books, reports and dissertations related to the study have been reviewed. Descriptive research design has been followed and data were collected through traditional methods. The data has been analyzed using descriptive methods of analysis.*

*In the study area, there are 9 public taps distributed among 70 households. Opportunity to drinking water and sanitation and other advantages from them will naturally satisfy them. Due to pure drinking supply and sanitation facility, various water born diseases are controlled and the villages are clean and they (people) have also got extra time to do other works. They have utilized extra water in their kitchen garden, biogas plant, toilet, livestock etc. After the project in the study there are positive impacts in the health of rural people and on environment too directly and indirectly.*

# CONTENTS

	<b>Page No.</b>
Acknowledgements	i
List of Contents	ii
Acronyms	iv
List of Tables	vi
<i>Abstract</i>	vii
<b>CHAPTER-I : INTRODUCTION</b>	<b>1-15</b>
1.1 Background	1
1.2 Agencies Involved in the Water Supply Sector	9
1.3 Statement of the Problem	11
1.4 Objectives of the Study	13
1.5 Significance of the Study	13
1.6 Scope and Limitation of the Study	15
1.7 Organization of the Study	15
<b>CHAPTER-II : REVIEW OF LITERATURE</b>	<b>16-27</b>
2.1 National Perspective: An Overview	16
2.2 History of Drinking Water Supply Sector Development in Nepal	17
2.3 National Scenario	19
2.4 Planned Development and Budget Allocation	26
<b>CHAPTER-III : RESEARCH METHODOLOGY</b>	<b>28-32</b>
3.1 Selection of the Study Area	28
3.2 Case Study	28
3.3 Research Design	29
3.4 Nature of Data and Sources	29
3.5 Universe and Sampling	29
3.6 Techniques of Data Collection	30
3.7 Data Processing and Analysis	31

<b>CHAPTER-IV : INTRODUCTION OF THE STUDY AREA</b>	<b>32-38</b>
4.1 Distribution of Population on the Basis of Ethnic Group	33
4.2 Distribution of Population of The Basis of Religion	34
4.3 Economic Activities of the People of the Shova VD	35
4.4 Sanitation and Health	37

<b>CHAPTER-V : DATA ANALYSIS AND PRESENTATION</b>	<b>39-50</b>
5.1 Water Sanitation Health and Environment	39
5.2 Users of the Project	40
5.3 Water Supply	40
5.4 Satisfaction From the Project and Peoples Participation	41
5.5 Causes of Illness and Diseases From Drinking Water	41
5.6 Health Service in Study Area	42
5.7 Polluted Water and Human Health	43
5.8 Human Life and Water Supply Project	43
5.9 Practices of Hand Washing After Lunched Project	44
5.10 Extra Water and Wastage Maintains	44
5.11 Environmental Problems and Conservation	45
5.12 Impact of Drinking Water Supply and Sanitation Project Among the Villagers/Respondents	46
5.13 Project's Help to Protect Environment	49
5.14 Some Suggestions to the Respondents	49

<b>CHAPTER-VI: SUMMARY, CONCLUSION AND RECOMMENDATION</b>	<b>51-54</b>
6.1 Summary	51
6.2 Conclusion	53
6.3 Recommendation	54

## **BIBLIOGRAPHY**

## **APPENDICES**

## LIST OF TABLES

Table No.	Title	Page No.
1.	Budget Allocation to the Water Supply and Sanitation Sector	27
2.	Distribution of Population on the Basis of Ethnic Group	33
3.	Distribution of Population on the Basis of Religion	34
4.	Cast Wise Distribution of the Respondents	35
5.	Distribution of Drinking Water in Development Region and Rural Urban Areas	36
6.	Distribution of Household by Various Sources of Drinking Water by Place of residence Eco-Development Region	36
7.	Household Having Agricultural Land, Livestock, and Poultry for VDC	37
8.	Number of Households According to the Number of Taps	40
9.	Main Causes of Illness	42
10.	Place of Getting Health Service	43
11.	Impact of Water Supply Project in Human Life	43
12.	Hand Washing Practices After Defecation	44
13.	Environmental Conservation Practices	45
14.	Impact of Water Supply in the Study Area	46
15.	Household Operating Small-Scale Non-Agricultural Economic Activates by Type of Activity for VDC	i
16.	Impact of Water Supply Among the Respondents	ii
17.	Impact of Water Supply in the Life of Respondents	iii

## ACRONYMS

ADB	: Asian Development Bank
CBOs	: Community Based organizations
DDC	: District Development Committee
DWSS	: Department of Water Sewage and Sewage
ESAs	: External Support Agencies
EU	: European Union
FINNIDA	: Finnish International Development Agency
HDR	: Human Development Report
HMG/N	: His Majesty's Government/Nepal
IDA	: International Development Association
IDWSSD	: International Drinking Water Supply and Sanitation Decade
INGO	: International Non Governmental Organization
IWSSD	: International Water Supply and Sanitation Decade
JAICA	: Japan International Corporation Agency
MEC	: Ministry of Education and Culture
MEP	: Ministry of Population and Environment
MHHP	: Minister of Housing and Physical Planning
MHPP	: Ministry of Physical Planning
MLD	: Ministry of Local Development
MoF	: Ministry of Finance
NCCBS	: National Census, Central Bureau of Statistics
NEWAH	: Nepal Water for Health
NGO	: Non Governmental Organization
NPC	: National Planning Commission
NRCS	: Nepal Red Cross Society
NWSC	: Nepal Water Supply Corporation
RADC	: Remote Area Development Committee
RWSSFDB	: Rural Water Supply and Sanitation Fund Development Board
RWSSP	: Rural Water Supply and Sanitation Project

TDWHSP : Tharakhola Drinking water Health and Sanitation Project  
UN : United Nations  
UNDP : United Nations Development Program  
UNFPA : United Nations Fund for Population Activities  
UNICEF : United Nation Children Fund  
UNWC : United Nation Water Conference  
UNWC : United Nation Water Conference  
VDC : Village Development Committee  
WB : World Bank  
WDD : Women Development Division  
WES : Water and Environmental Sanitation  
WHO : World Health Organization  
WSSC : Water Supply and Sewage Corporation  
WUC : Water User's Committee