

DRINKING WATER SUPPLY AND SANITATION IN MUDIKUWA VDC OF PARBAT DISTRICT, NEPAL

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Degree of Master of Arts

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LETTER OF RECOMMENDATION

This thesis entitled "Drinking Water Supply and Sanitation in Mudikuwa VDC of Parbat District, Nepal" has been prepared by Ram Prasad Tiwari under my supervision. I hereby recommend that the thesis submitted in partial fulfillment of the requirements for the degree of Master of Arts in rural development, be examined by the thesis examination committee.

.....
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Thesis Supervisor

APPROVAL SHEET

We certify that this thesis entitled "Drinking Water Supply and Sanitation in Mudikuwa VDC of Parbat District, Nepal" submitted by Mr. Ram Prasad Tiwari to the Central Department of Rural Development, Tribhuvan University, in partial fulfillment of the requirements for the degree of Master of Arts in rural development has been found satisfaction in scope and quality. Therefore, we accept this thesis as a part of the said degree.

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ABSTRACT

Drinking water and sanitation facility are the basic needs of human beings. Development of this sector will have positive impact upon consumers' health, and will produce healthy manpower, which would contribute to the growth of other productive sectors and activities of the country. Safe drinking water will significantly control water borne diseases and on the other hand it substantially minimizes health expenses to be incurred on treatment of such diseases. Apart from this, the time saved from fetching water could be utilized in productive works, which in turn, provide opportunity to earn more income to the general public. Development of drinking water sector contributes to production of healthy manpower, additional income generation and less health expenditure on treatment of disease.

According to the drinking water facility index in the study area 27%, 22%, 36% and 15% of the people are using 1st, 2nd, 3rd, and 4th grade of water respectively. Since first and second grade are considered to be of sufficient drinking water facility. 49% of the people are using drinking water facility and 51% are deprived of the facility

Out of 36 sources, there are 32 natural spouts in the VDC, these sources are located within the distance of one kilometer. According within the distance of one kilometer. According to wardwise location of the sources there are 8 sources in ward no 5 and 1 each in ward no 1 and 2. According to quality of water, one percentage of the people are drinking water from well. Which is of 4th grade. Finally 64% of the sources are secured and 36% are acceptable. So, drinking water facility can be considered to be satisfactory in this VDC.

Cent percent of the people have been using drinking water from different sources. At present 985 of the people are using water from pipe system water supply and

water from traditional well and natural spout are being used by 1% each of the people respectively.

Due to the lack of proper repair and maintenance of completed projects, many projects are completely non-operational. Consumer groups are unwilling to take on the ownership of the completed projects since they are not involved in the implementation phase. The monitoring and evaluation of drinking water supply and sanitation programs projects are ineffective.

Local self - government, manual - 2056, article - 65 has directed to carry out various village development projects in each and every village development committee that can furnish the villages with co-operative, effective, well-managed and long-term returns. In this concern, the responsibility of the VDCs will be to avail the villagers with pure sufficient and prolonged drinking water and sanitation facility. In order to achieve the mission, "Pure Drinking - Water and Sanitation Scheme" deemed necessary. Therefore, the purposes for preparing this thesis are:

- a. To access the available facility of drinking water.
- b. To manipulate previously established projects.
- c. To identify the areas and the people those are deprived of the facility of drinking water and sanitation.
- d. To settle the base of priority for the projects to be established in future.

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ABBREVIATIONS/ACRONYMS

| | |
|------------|---|
| ADB/N | Agriculture Development Bank of Nepal |
| APC | American Peace Corps |
| AsDB | Asian Development Bank |
| CARE Nepal | Cooperative For American Relief Everywhere |
| CBO | Community Based Organization |
| CHIDU | Central Human International Development Unit |
| CWSS | Community Water Supply and Sanitation |
| DDC | District Development Committee |
| DWSO | District Water Supply Office |
| ENPHO | Environmental and Public Health Organization |
| ESA | Eternal Support Organization |
| EU | European Union |
| FINNIDA | FINNISH International Development Agency |
| FNCCI | Federation of Nepalese Chambers of Commerce and Industry |
| GTZ | German Technical Cooperation |
| HDR | Human Development Report |
| HELVETAS | SWISS Association For Development and Cooperation Household |
| HH | Household |
| HMG/N | His Majesty's Governmental of Nepal |
| HSE | Health and Sanitation Education |
| INGO | International Non Governmental Organization |
| JAKPAS | Janatako Khanepani Ra Sarsafai Karayakram |
| JICA | Japan International Cooperative Agency |
| LBO | Local Based Organization |
| MCTG | Mother Child Tapstand Group |
| MHPP | Ministry of Housing and Physical Planning |
| MOF | Ministry of Finance |
| DWSS | District Water Supply and Sanitation |

| | |
|---------|--|
| MOH | Ministry of Health |
| NEWAH | Nepal Water For Health |
| NPC | National Planning Commission |
| NRCS | Nepal Red Cross Society |
| Nrs | Nepalese Rupee |
| NWSC | Nepal Water Supply Corporation |
| O & M | Operation and Maintenance |
| ODA | Overseas Development Agencies |
| RADC | Remote Area Development Committee |
| RWDC | Rural Women Development Center |
| RWSS | Rural Water Supply and Sanitation |
| RWSSFDB | Rural Water Supply and Sanitation Fund Development Board |
| SA | Support Agencies |
| SCF | Save The Children Fund |
| SO | Support Organizations |
| SRLF | Sanitation Revolving Loan Fund |
| UC | Users Committee |
| UNDP | United Nation Development Programs |
| UNICEF | United Nations Children Fund |
| VDC | Village Development Committee |
| WES | Water and Environmental Sanitation |
| WHO | World Health Organization |
| WSS | Water Supply and Sanitation |
| WTSS | Women Technical Support Service |
| WUC | Water Users' Committee |
| WECS | Water and Energy Commission Secretariat |