

Musure (Kurathali) and Pavidal Multipurpose water systems 2020.

Location: Tripurasundari Rural Municipality, Ward no. 4. Musure Tole - Kurathali

Committee: Musure Hatemalo Khanepani Group

Budget: NPR 350,750/-

Volunteer: NPR 70,400/-

Total budget: NPR 421,150/-

No. of beneficiaries: 23 Households

Background:

ISARD has been working in Sindhupalchowk for the past 30 years mainly supporting with the livelihood activities in different communities. Musure Tole-Kurathali of Tripurasundari Rural Municipality of ward no. 4 consists of 23 household. Due to the high demand of drinking water from the community, ISARD acted accordingly.

After the devastating earthquake of 2015 the water source moved as a result of which Musure Tole-Kurathali started experiencing water shortage. Although not a problem during the monsoon, winter was usually very dry, therefore a solution was needed.

A plan to construct a collection chamber at the source along with 9 new taps was made. 2 old taps will be repaired. A collection tank for excess water will also be placed in the community to collect water for later use.

ISARD together with financial support of Himalaya Resources transferred the first installment of NPR 280,600/. All the necessary materials were purchased, and the work was completed.

Materials purchased:

S.N.	Details	Unit	Amount	Total
1	Hardware materials			220,585
2	Transportation	4	4500	18,000
3	Sand	2 trips	4000	8,000
4	Pebbles	2 meters	4500	9,000
5	Experienced workers	55	1000	55,000
6	Inexperienced workers	50	800	40,000
7	Community help	90	800	72,000
	Total			422,585

The above-mentioned materials were purchases and the work was completed in 19 days with a total of 195 workers and volunteers. A chamber of 500 liters was constructed at the source and 11 taps will be connected to 20 and 10 mm pipes. Each household was also distributed 500-liter plastic drums for water storage.

Government linkage:

With ISARD collaborating more with the local government, for this project a water collection chamber and the 20 and 10 mm pipelines worth NPR 150,000/- were supported by the local government.

Shramdan (volunteering):

According to the contract with the community, the community members have to volunteer their time worth 20% of the total budget. Therefore, there were 90 volunteers, which adds upto a total of NPR 72,000/-.

Maintenance:

Since the work was done through the saving group, the members of the saving group and the community volunteered. Since most of them volunteered for more hours, the amount of money saved will be used for the maintenance of the project. A total of NPR 25,000/- has been saved for the maintenance of the drinking water project. Each household will have to contribute NPR 200/- annually towards the maintenance fund.

Conclusion:

The drinking water facility that was destracted by the 2015 earthquake was reconstructed. With one collection chamber and 11 taps constructed and repaired with proper pipelines. 500 liter plastic drums were also distributed for each household. Community members at Musure Tole- Kurathali now have drinking water and water for irrigation.

Few pictures from the work in progress during the construction and completed work



Picture 1-2: Transportation of plastic drum. Picture 3 -4: Construction of tap. Picture 5: Local making use of tap to collect drinking water.

Drinking water construction and maintenance 2020

Location: Tripurasundari Rural Municipality, Ward No. 2 Pabidal

Committee: Pabidal Dandagaun Khanepani Yojana

Budget: NPR 356,450/-

Volunteer: NPR 72,000/-

Total budget: NPR 428,450/-

No. of beneficiaries: 42 Households

Background:

ISARD has been working in Sindhupalchowk for quite some time now. Pabidal a village in Tripurasundari Rural Municipality consists of Thami and Dalit community.

Lack of drinking water was one of the leading problem in the village since the 2015 earthquake. Due to the shift in the water source, drinking water has been scarce during the winter. Although many farmers have tried to make use of water that would go to waste in the field, the village needed a proper water collection and storage for drinking purpose.

After carefully analyzing the area it was decided that 5 different water source will distribute water to 42 household. 2 new chambers will be constructed for collection of water and 3 old chambers will be repaired. 11 new taps will be constructed and 8 old taps will be repaired.

Since the population density is high in the center (Nepali tole) a 5000 liter drum will be placed in Nepali tole. 4 other drums of 2000 liter will be placed towards the source so that it can also be used as storage especially during the dry season.

With financial support of Himalaya Resources, all bank accounts have been opened from the committee and NPR 285,000 has been deposited as first installment to start the work.

S.N.	Details	Unit	Amount	Total
1	Hardware materials			219,190
2	Transportation	5 trips	6500	32500
3	Sand	3 trips	4000	12,000
4	Pebbles	1 trip	7000	7000
5	Experienced workers	50	1000	50,000
6	Inexperienced workers	40	800	32,000
7	Community help	95	800	76,000
	Total			428,695

With the materials mentioned in the above table and with 185 workers, ground work of pipelines and tap construction was completed in 17 days. 5 water collection chambers were constructed and repaired at the water source. 11 new taps and 8 old taps were constructed and repaired with 20/10mm pipes. Along with all the pipelines One 5000-liter drum and four 2000-liter drum were also placed for proper water distribution.

Government Linkage:

ISARD has always emphasized in good relation with the local government bodies. We maintain a good and healthy relation with the government bodies through constant communication and as a result of which the local bodies trust ISARD. This year Tripurasundari Rural Municipality, Ward no. 2 helped us financially, with NPR 200,000/-, which was helpful for us to purchase all the 20/10 mm pipelines.

Shramdan (volunteering):

According to the contract with the community, the community members have to volunteer their time worth 20% of the total budget. Therefore, there were 95 volunteers, which adds upto a total of NPR 76,000/-.

Maintenance:

Since the work was done through the saving group, the members of the saving group and the community volunteered. Since most of them volunteered for more hours, the amount of money saved will be used for the maintenance of the project. A total of NPR 20,000/- has been saved for the maintenance of the drinking water project. The saving group members have agreed to collect NPR 20/- monthly from each member, which will be used for the maintenance of the water scheme.

Conclusion:

5 collection chambers was built at the water source and 11 new taps were construction whereas 8 old ones were repaired. One 5 liter drum and 4, 2000liter drums were distributed for collection and smooth distribution of water. Support for the pipelines of 20/10mm pipes was possible through the local government.

We believe this drinking water and irrigation scheme will help irrigate about 120 ropani land area.





Picture 1: Water Wastage (lack of storage). Picture 2: Temporary arrangements for intake of water. Picture 3: Tap conditions Picture 4: Meeting for new water scheme Picture 4: Sand Cement Work for Construction 6: Construction of New tap.