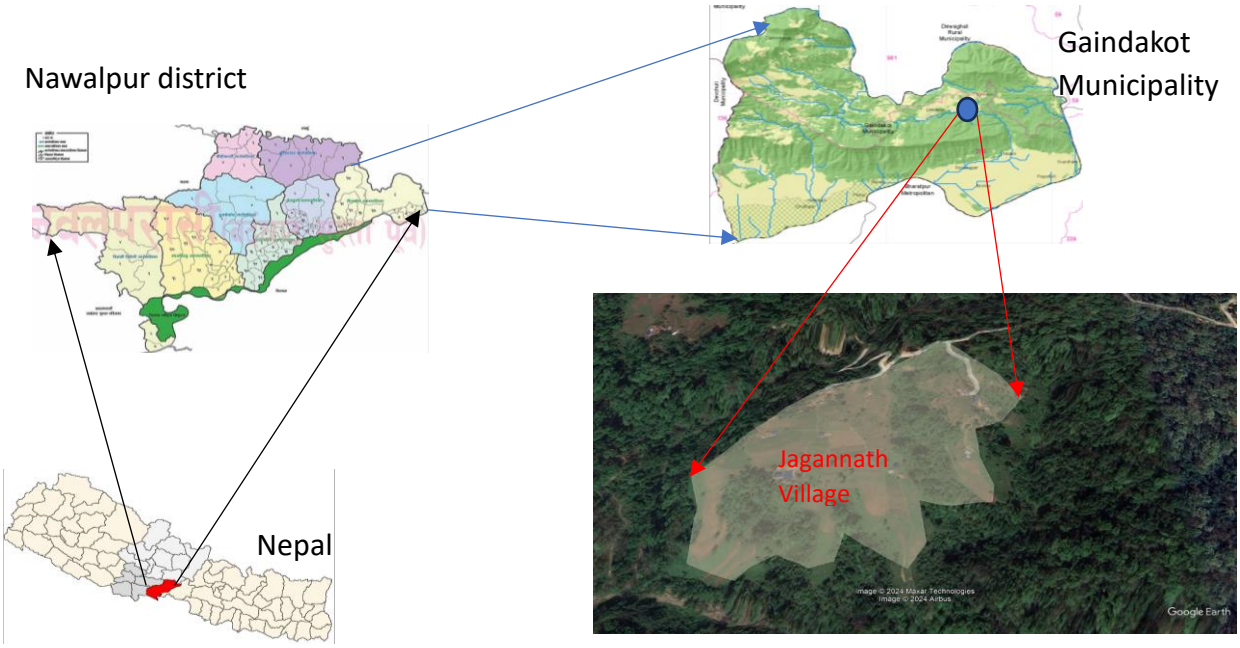
Providing safe drinking water and sanitation to Jagannath village of Gaindakot, Nepal

Background

Jagannath village consisting of 22 families is located in ward no. 3 of Gaindakot municipality, Nawalpur district. The village is situated in the middle of community forest. The residents are mainly Gurung, who belong to one of the indigenous castes. All families are farmers and their major source of income is the agriculture. The village is about 6 kilometers north Gaindakot bazaar and their nearest market center is Dhodeni and Gaindakot.



Existing Water Supply Situation

All 22 families are dependent on a spring source water supply through gravity flow system cum lifting system with dangling pipes. The system is unreliable, upper cluster people are fetching water from dangling pipes at downstream of the village, which takes around 1 hour to bring a trip of water. The source water becomes very turbid during rainy season and less quantity in dry season (March-May), there is no any kind of water purifications. In the dry months (March-May), people go to the nearby stream and other temporary spring water sources to fetch water. There are only 5 temporary toilets in the village and families share these toilets. All families use firewood for cooking and boiling water.

Objective

The main objective of this project is to provide safe drinking water and sanitation, micro-irrigation, smokeless cooking stoves to 22 families of Jagannath village, Gaindakot, Nawalpur district through the lead host club, Rotary Club of Gaindakot and we are searching for an international sponsor club for this global grant project.

Expected Outputs and Solutions

The proposed solutions to address the demand of the Jagannath community are (i) supplying purified drinking water to all households through private yard connections, the water will be lifted by solar

hybrid pumping system from the 16,000 liters capacity sump well to the uphill 20,000 liters storage tank (ii) construction of 22 numbers of permanent toilets and hygiene and sanitation campaigning for sustainable hygiene behavior change (iii) vegetables farming by using tap water through micro-irrigation system and (iv) promotion of smokeless stoves. The expected outputs of this project will be in two folds; (1) health benefits from WASH and smokeless stoves project and (2) economic development by commercial vegetable farming through micro-irrigation system.

Budget and contribution Pattern

The total budget/ fund required for this project is around 35,199.63 USD. The host club will contribute 1,500 USD and is expecting DDF of amount 5,000 USD from D3292. The deficit amount is expected to be contributed by the international sponsoring club and their district fund. The summary budget is given in the following table:

Items	Amount (NPR)	Amount (USD)	Remarks
Intake/headworks	360,000.00	2,769.23	Exchange Rate: 1 USD = 130 NPR
Solar hybrid pumping	1,250,000.00	9,615.38	
Pipes, storage tank and fittings	1,290,050.00	9,923.46	
Toilet construction	220,000.00	1,692.31	
Smokeless stoves	33,000.00	253.85	
Labor cost	275,000.00	2,115.38	
Training cost	60,000.00	461.54	
Staff cost	870,000.00	6,692.31	
5% contingency	217,902.00	1,676.17	
Total	**4,575,952.00**	**35,199.63**	

Immediate Next Steps

- Searching and confirmation of the international sponsoring club.
- MoU between host and international sponsoring clubs.
- Confirmation of DDF of D3292.
- Initiation of online application of global grant.