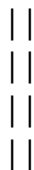
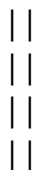


**Project Completion Report of  
Khuldanda Community Drinking Water Project**



Submitted to  
**SWAN Österreich**  
Naarn, Austria



Submitted by  
**Social Welfare Association of Nepal (SWAN)**  
Maharajgunj, Kathmandu



April 2023

## **ACKNOWLEDGEMENT**

**Social Welfare Association of Nepal (SWAN)** has been supporting rural communities to establish safe drinking water system since its establishment. The main objective of establishing community drinking water system is to provide safe and sustainable drinking water supply in the communities who have no or less access to water. SWAN successfully completed the “Khuldanda Community Drinking Water Supply Project” in Khuldanda Village of Katari Municipality, Udayapur with the constant support of key stakeholders, donors and the local people.

SWAN extend its gratitude to Nepal Government and Social Welfare Council (SWC) for granting permission to implement this project in Katari Municipality, ward no. - 7, Udaypur. Likewise, SWAN is grateful to Katari Municipality for providing technical assistance and feedback while implementing the project.

Last but not the least, SWAN would like to express its sincere gratitude to our partner **SWAN Österreich** for funding this project. This project was one of the successful and flagship projects of SWAN in 2022. Thank you very much for your continued support.

**SWAN Nepal Team-Head Office**  
**Kathmandu, Nepal**

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## 1. Project Background

SWAN has prioritized the drinking water project since its inception in a bid to ensure access to safe drinking water. Over the years, SWAN has successfully completed dozens of drinking water project in schools, health facilities and rural communities across Nepal. In 2022, SWAN continued its mission of providing a safe and sustainable drinking water system for the people of Katari Municipality, Ward no - 7, Udayapur. SWAN's needs assessment revealed that the Khuldanda community requires immediate assistance to address its water issues. Therefore, SWAN designed a project with the technical assistance from the Katari Municipality in order to implement the drinking water project based on a **one-house, one-tap** concept in the community. 'Khuldanda Community Drinking Water Project' was funded by **SWAN Österreich**. 36 families water who had been facing a water problems since 30 years have now access to a safe drinking water system at their doorsteps. Majority of the inhabitants, who are indigenous castes such as *Rai*, *Danuwar*, and *Mushar* has been benefited from this project.

**Project Period:** February 2022 - January 2023

**Project Area:** Khuldanda, Katari Municipality, Ward no - 7, Udayapur



*33 households have now an access to safe drinking water supply at their doorsteps.*

## **2. Project Objective**

The primary objective of the project is to ensure safe drinking water system for the people of Khuldanda, Ward no-7, Katari Municipality, Udayapur. However, specific objectives are;

- Construction of a well-intake, reservoir tank, taps, distribution of pipelines, and installation of solar submersible pump system.
- Formation of Water Users Committee to promote community participation in the decision making of operation and maintenance of water supply.
- End the three decade of drinking water crisis in the community.

## **3. Duration of the Project**

The project was designed for eight months. However, it took a year to complete the project.

## **4. Key project activities**

### **4.1 Feasibility study, coordination meetings and project approval**

SWAN conducted a feasibility study for Khuldanda community drinking water project with the help of technical person and in close coordination with the locals and the Katari Municipality. Likewise, several coordination meetings were conducted with the key stakeholders and thus, identified the right approach to work in this community. Also, we took an approval from the local government and Social Welfare Council (SWC) to implement the project.

### **4.2 Hiring a manpower**

SWAN hired a technical person, an engineer in order to assess the technical feasibility of the project including site survey, design, estimated costs and environmental assessment. He provided technical guidance and supervise the quality of work and materials usages. Likewise, SWAN hired a local staff to oversee the project.

### **4.3 Formation of construction and monitoring committee**

To expedite the construction work responsibly, a construction and monitoring committee was formed. There were seven members on the construction committee and five members on the monitoring committee. The construction committee was responsible for daily construction work from hiring the labour to purchasing construction materials. A bank account was opened in the name of construction committee. SWAN released the fund

in the bank account on installment basis. On the other hand, monitoring committee monitored the work progress, transparency of expenses and purchase made by construction committee. The monitoring committee was also responsible to check and balance the construction committee's work. Both committees were open and accountable to one another, and they hold regular meetings to discuss project activity.

#### **4.4 MOU signing**

SWAN Nepal signed an agreement with the Khuldanda community drinking water construction committee on 11 February 2022 in Katari-7, Udayapur. A Memorandum of Understanding (MoU) was signed by Ramu G.C, Finance Manager, SWAN Nepal, Binda Kumari Rai, Chairperson, Khuldanda drinking water construction committee, and Subin Dhungana, Coordinator, Khuldanda drinking water monitoring committee. The event was attended by Ward Chairperson Dhan Kuma Danwar, construction and monitoring committee members, Engineer Binod Khatri and others locals. Engineer Binod Khatri informed the construction committee on the technical aspects of the project while Ramu GC, Finance Manager, SWAN responded to the queries asked by the locals regarding the project implementation process.

#### **4.5 Foundation stone laying ceremony**

Khulaldanda drinking water project officially kicked-off with the foundation stone laying ceremony amidst a function on 14 February 2022 in Katari-7, Udayapur. Dhan Kumar Danuwar, Chairperson of Ward-7 and newly formed construction and monitoring committee jointly laid the foundation stone for the drinking water project in Khuldanda village. At the event, locals, particularly women expressed their joy at the start of drinking water project.

#### **4.6 Purchasing construction materials/hiring labour**

The construction committee purchased construction materials from the nearby market in Katari Municipality at competitive prices. Likewise, skilled and unskilled labor were hired for the construction works at the local level.

#### **4.7 Installed project information board**

SWAN installed project information board at the project site in Khuldanda-7, Udayapur for the visibility of the project. The board contained all important information related to the project, including project name, estimated budget, donor name, and project duration in a bid to inform beneficiaries and key stakeholders.

#### **4.8 Construction of well**

Construction materials such as stones, cement, and sand including concrete rings are transported to the project site. An excavator (dozer) was used to dig a trench and pull concrete rings for the well construction. Early monsoon, on the other hand, causes a water dump in the well intake area, which affects the stone soiling and concrete ring construction. To resume operations, dewatering work is required on site. Therefore, construction committees are holding off until the monsoon pace slows down.

#### **4.9 Construction of RCC water storage tank**

Construction of RCC water storage tank according to drawing is almost completed; only plaster and paint works are remaining. Both skilled and unskilled manpower were retained by the construction committee. The water storage tank has a capacity of 45,000 liters.

#### **4.10 Pipelines laying and distribution**

In order to distribute water supply to 30+ families, locals dug trench for laying the pipelines. Main pipes were laid from source to storage tank and later it was linked into smaller pipelines to every household.

#### **4.11 Construction of taps**

This project was designed on one-house, one-tap approach from the beginning. 33 taps were constructed for 33 households at their doorsteps. Additionally, a meter has been installed on each household's tap so that they can pay their water bills in accordance with the reading, enabling them to use water more effectively.

#### **4.12 Installation of Solar Submersible Pumps**

SWAN installed 2 HP Solar Submersible Pump System for Khuldanda Community Drinking Water Project because it is cost effective, easy to install, and easy to repair. Also, solar pumps system is reliable and has long life as compared to conventional power systems like electricity.

#### **4.13 Inauguration of the Khuldanda community drinking water project**

In January 2023, Khuldanda Community Drinking Water Project was inaugurated in the presence of the representatives of Katari Municipality, Mrs. Kalpana Karki, Program Director, SWAN Nepal, Mr. Arnold Hörmann, Chairperson of SWAN Österreich, alongside his friends from Austria amid a function in Khuldanda, Udayapur. At the inauguration event, they got an

opportunity to meet locals, and had the first-hand understanding on the construction of drinking water system.

Speaking at the event, the representatives of the Katari Municipality including locals thanked SWAN Österreich for providing them an access to a safe and sustainable drinking water supply at their doorstep.

#### **4.14 Organized Social Audit**

In April 2023, SWAN will organize a social audit program in a bid to provide information to the key stakeholders including community people regarding the project expenses and infrastructures supported. The social audit will be done in a bid to show the transparency of the project in the presence of the representatives of the Katari Municipality, SWAN team, and community people.

### **5. Achievement**

#### **- Output level**

- Established drinking water system for more than 30 families in Khuldanda community.
- Construction of 1 well-intake, 1 reservoir tank, and 33 taps at the doorsteps.
- Installation of 2 HP solar submersible pump system.

#### **- Outcome level**

- Locals have access to safe and sustainable drinking water system.
- Improved sanitation and hygiene level in the community.
- Ended the three-decade long water crisis in the community.
- A resilient and healthier community.

### **6. Challenges**

In 2022, monsoon arrived earlier than usual which affected the construction process. As a result, work has been halted for almost three months. However, there was no any significant challenges throughout a project.

### **7. Learnings**

- Formation of construction and monitoring committee at the local level helped in the successful completion of the project.
- When the local government and community people are involved in the project right from the beginning, they take the ownership and accountability of the project.



- Smart field staff contributes significant effort to mobilize the locals to expedite the project.
- Formation of drinking water users committee promotes sustainable usage of water thereby creating an active involvement of the locals in the operation and management of the drinking water system.

## 8. Recommendation

SWAN has been doing the construction project by forming a construction and monitoring committee at the local level to implement the project. While doing so, SWAN has to involve in petty problems. Therefore, we may bid a contractor service to implement the project smoothly.

## 9. Conclusion

The Khuldanda community drinking water project was successfully completed with the full support of locals and key stakeholders. SWAN was able to materialize its mission of ensuring drinking water system to the disadvantaged community of Khuldanda-7, Katari Municipality, Udayapur. 33 families of Khuldanda community have now access to the safe and sustainable drinking water supply at their doorsteps.

## 10. Statement of Expenses

Total budget of the project was Rs 3,948,142.21 where the actual expense up to date is Rs 3,278,178.00 which is 83% utilization of total budget. Some expenses still to be reported from local construction committee which will little increase total actual expense. Detail statement has been presented below table;

SN	Description/Budget Head	Amount (Rs)
1	<b>Construction of Wells</b>	<b>231,082.00</b>
	Site Clerance Cost	57,500.00
	Placing of Concrete Rings	50,000.00
	Transportation of Concrete Rings	5,700.00
	Stone /Cement	7,000.00
	Fencing & Net	92,782.00
	Cleanning & Maintenance	18,100.00
2	<b>Construction of Water Storage Tank</b>	<b>453,698.00</b>
	Construction Materials (Cement/Stone/Sand and Concrete)	396,858.00
	Labour Cost	56,840.00
3	<b>Painting and Primer Works</b>	<b>24,939.00</b>
	Primer & Painting Materials	18,939.00
	Labour Cost for Painting	6,000.00

4	<b>Solor Water Pump</b>	<b>480,000.00</b>
	Solor water pump 2 HP including all necessary equipment and installation	480,000.00
5	<b>Pipe Laying &amp; Materials</b>	<b>501,083.00</b>
	HDPE Pipe	397,984.00
	Fitting Materials & Hardware	103,099.00
6	<b>Construction of Taps</b>	<b>672,257.00</b>
	Cement/Stone and Brick	341,248.00
	Labour Cost for Tap construction	202,000.00
	GI Water Tap and all Complete Hardware	129,009.00
7	<b>Engineering &amp; Technical Support Cost</b>	<b>45,035.00</b>
	Engineering Consultancy Fee	35,295.00
	Site visit & Follow up	9,740.00
8	<b>Monitoring &amp; Supervision Cost</b>	<b>43,400.00</b>
	Field Staff Local Travel Cost	3,400.00
	SWC Evaluation Fee	40,000.00
9	<b>Coordination &amp; Meeting</b>	<b>29,591.00</b>
	SWAN Staff travel cost	22,421.00
	Tea and Refreshment	7,170.00
10	<b>Hoarding Board &amp; Visibility</b>	<b>51,120.00</b>
	Project Information Hoarding Board	14,000.00
	Itching Plate for Storage Tank	10,000.00
	Itching Plate for Taps	26,400.00
	Other Flex Printing & Publication	720.00
11	<b>Project Management Cost</b>	<b>745,973.00</b>
	Salary for Field Coordinator	192,963.00
	Salary for Field Project Facilitator	36,000.00
	Staff Salary contribution	513,800.00
	Stationeries & Printing	3,210.00
	<b>Total Cost</b>	<b>3,278,178.00</b>
	<b>Total Cost in EURO (exg rate € 1 equals to Rs 140.78)</b>	€ <b>23,285.82</b>

## 11. Photo Gallery



*SWAN team met and briefed about the Khuldanda community drinking water project with Mr. Gyanendra Shrestha, Mayor, Katari Municipality.*



*Locals of Khuldanda gathers to talk about the shortages of water and its impact in their lives.*





*Some glimpses of MOU signing ceremony of Khuldanda community drinking water project.*





*An excavator was used for the site clearance, digging trench, pulling concrete rings for the well construction.*





*Construction of RCC water storage tank.*



*Well intake area.*



*Etching plate.*



*Installation of solar water pump.*



*Mayor of Katari Municipality and Mr. Arnold Hoermann during a ribbon-cutting ceremony.*





*Some photos from Inauguration ceremony of Khuldanda Community Drinking Water Project amidst a function in Khuldanda, ward no-7, Katari, Udayapur.*



THANK YOU SO MUCH.