

Community-Managed Resilient Drinking Water Supply System: A Case Study from Kalitar Community, Godawari, Nepal

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WaterAid Nepal

- Established in 1983 and working in Nepal since 1987
- Focusing on four Aims (Universal Access to WASH, WASH in Public Health, Climate Resilience, Finance)
- Working in 45 local municipalities for implementation, federal, and provincial for WASH policy and Advocacy

Aim 1- Universal Access to WASH (Godawari municipality- Demonstration Model on WASH)

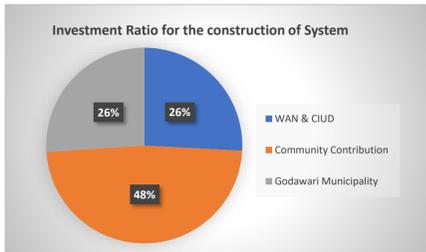
- Project Location: Godawari municipality ward no. 6, Lalitpur Nepal
- Rehabilitated 2 no. of small scale water supply systems
- Funding support: TCCF, Godawari municipality, and the Community
- Tripartite agreement: WaterAid/CIUD, Godawari municipality, and WSUC
- Project Period: January- December 2024



Reservoir tanks at Kalitar (Photo credit: Sudarshan Rajbhandari- CIUD, December 30, 2023)

Approaches

- Co-Financing Modality
- One house, one Tap with a meter system
- WSUCs management model
- Behaviour change communication (ABCD-Model)
- Climate Resilient WASH component embedded



Achievements

- Safely managed drinking water to 156hh and 3 institutions
- Inline Chlorine Dosing Unit
- 100% tariff collection and utilization for the regular repair and maintenance of the system
- Structures Insurance
- Provision of an additional source of water for dry season
- Asset Management Plan(AMP), and Business Development Plan (BDP)

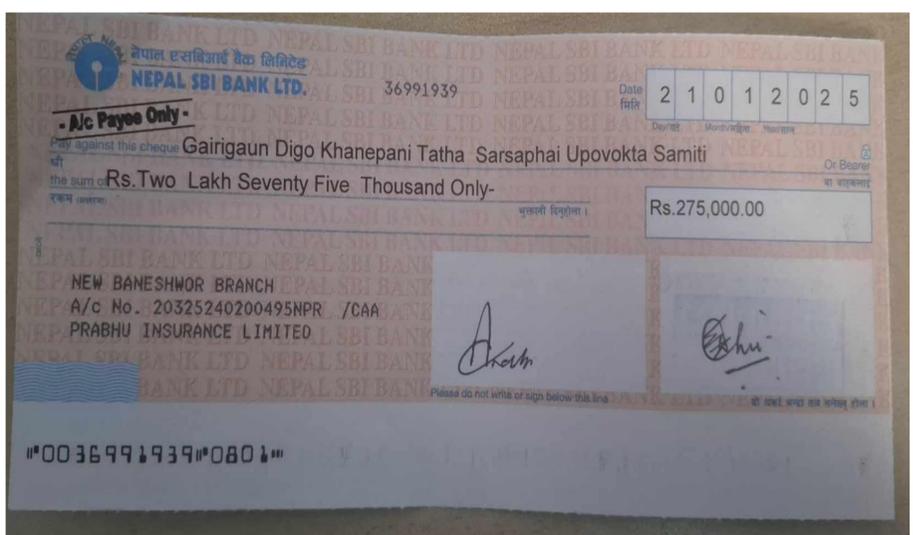
Impact and scaled up

- Reduce women burden to fetch water
- Solved community conflict
- Use water for vegetable production
- Scaled UP
- Building on this success, WaterAid Nepal has designed a new co-financed project for Ward No. 8, where contributions will be 50% from Godawari Municipality, 32% from the community, and 18% from WaterAid Nepal, benefiting 700 households.
- Managed model – Formed one ward one WSUCs
- Scientific Tariff calculation – Online billing system and WSUCs hired 5 staffs for regular O & M of system
- Structure insurance

Hygiene session at community level in Dukuchhap (PC: Sudarshan Rajbhandari, CIUD)

Towards a Climate-Resilient WASH System

- Ward-based WSUC management model, registered with Godawari Municipality
- Co-financing modality with local government and communities
- Climate-Resilient Water Safety Plan (CR-WSP)
- Scientific tariff setting with online billing, supported by Asset Management and Business Development Plans
- Hygiene Behavior Change Communication (HBCC)
- Tariff revenues used for staff salaries and system O&M
- Local government commitment for financial and technical support during emergencies
- Inline chlorination, community-led water quality testing, and data management
- Insurance coverage for major infrastructure
- Focus on universal access to safely managed drinking water (households, institutions, and public spaces)
- Provision for Non-Revenue Water (NRW) assessment



The Check Received from the Insurance Company (PC: Sudarshan Rajbhandari, CIUD)



Water from household level tap at Kalitar WSS- August 7, 2023 (Photo Credit: Sudarshan Rajbhandari, CIUD)



Pipeline connection work at Hasimadanda in Dukuchhap, Nepal on August 7, 2024 (Photo Credit: Nivesh Maharjan, CIUD)