

Driving Innovative Piped Water Supply for Access to Safely Managed Water for Communities affected by Water Crisis in South Asia (Dukuchhap WASH Project)

Name of Project	Dukuchhap Integrated Sustainable WASH Project
Project Theme	Water, Sanitation and Hygiene
Project Area	Godawari Municipality-8, Dukuchhap
Project Budget	WAN/TCCF: NPR. 8,668,751 Godawari Municipality: NPR. 8,096,966 Community Contribution: NPR.16,951,957
Funding & Technical Support	WaterAid Nepal (WAN) The Coca Cola Foundation (TCCF)
Implementing Partner	Centre for Integrated Urban Development (CIUD)
Project Duration	January 2024-June 2025
Collaborative Partners	Godawari Municipality Dukuchhap Water and Sanitation Users Committee
Direct Beneficiaries	Households: 710 Population: 3282 (Male: 1663 Female: 1619)
Approaches	Safely managed water One house, one tap Hygiene behaviors changes

The Project Background

Promoting the **"One House, One Tap"** approach, this project aims to provide safe, affordable, and equitable water to 658 households in the ward. Following the successful implementation of a comparable project in Godawari municipality's Ward 6, this project has been designed as a technical and financial collaboration between WaterAid Nepal/The Coca-Cola Foundation, the Godawari Municipality, and the Centre for Integrated Urban Development. One of the project's primary components is to improve the hygienic habits of local community members, including women and girls.

Dukuchhap Water and Sanitation Users Group Formed

The ward representatives have organized a Dukuchhap Water and Sanitation Users Group Committee (WSUC) of fifteen members to oversee the project's operation. The WSUC bylaw has been prepared and is being requested. The project team has provided a detailed introduction to the project and clarified the roles and responsibilities of each member on the committee. The committee is made up of individuals from various ward clusters.



Photo Credit: Shiva Shrestha, CIUD

World Water Day Celebration 2024

On March 22, an interactive event was prepared with the water and sanitation users group to commemorate **World Water Day**. Mr. Anand Gautam from WaterAid Nepal (WAN) spoke to committee members about the importance of safe drinking water and sanitation as constitutional rights. During the program, Mr. Suk Bahadur Lama, Ward Chairperson, ward number, committed to providing the required financial and technical support to guarantee that the project is completed within the time limit specified. The Dukuchhap Water and Sanitation User's Committee (WSUC) members made a commitment for community donation and other cooperation for the project because safe drinking water is the most important necessity of the community.



The Launching of the Project (March 27, 2024):

The municipal level launch of the project "Driving Innovative Piped Water Supply for Access to Safely Managed Water for Communities Affected by the Water Crisis in South Asia" (Dukuchhap Project) included a project inception workshop. The workshop's primary goal was to share the objectives, intervention areas, and working strategy with all relevant stakeholders, to ensure effective coordination and collaboration among stakeholders, to identify gaps and



challenges for project implementation at the municipal level, and to collect feedback, comments, and suggestions for project activities. Mr. Gajendra Maharjan, Mayor, and Ms. Muna Adhikari, Deputy Mayor, attended the training, as did Mr. Suk Bahadur Lama, Ward Chairperson for Ward 8, and Godawari Municipality executive officers.

CIUD, Godawari Municipality and WSUC agree to provide safe drinking water to all the households of the ward (March 27, 2024):

During the project's inception workshop, the CIUD, Godawari Municipality, and the Dukuchhap Water and Sanitation Users Committee (WSUC) signed a tripartite memorandum of understanding. On the occasion, Mr Gajendra Maharjan, Mayor of Godawari Municipality, stated that the municipality will allocate an additional budget of NPR 8,096,966, or 8.09 million, as well as the necessary coordination funds for the Dukuchhap Integrated Sustainable WASH project. The municipality has already built various water supply systems.



Photo Credit: Shiva Shrestha, CIUD

The Project Team Enhances the Knowledge of the WSUC Members

Pre-Construction Training

A three-day pre-construction training was held to provide Dukuchhap Water and Sanitation User's Committee (WSUC) members with a thorough understanding of the Dukuchhap water supply system. Some of the key topics covered during the training were the roles of the water user committee in managing water resources, understanding water supply systems, including design and construction, water quality monitoring and maintenance, operation and maintenance of water supply systems, financial management and budgeting for water user committees, community engagement and participation in water management, leadership and governance in water management, and sustainable management.



Photo Credit: Shiva Shrestha, CIUD

Village Maintenance Training (24-30 April. 2024)

Regular maintenance is one of the most important aspects of the water supply system. To ensure that the Dukuchhap Water and Sanitation User's Committee (WSUC) team is capable of optimizing the service by handling minor system maintenance, seven days of rigorous system maintenance training were scheduled for key WSUC members and local technical personnel. The training course was built with the goal of resolving minor and regularly occurring difficulties on the spot. People having a rudimentary understanding of plumbing and experience using tools in the plumbing industry were included in the training.



Photo Credit: Nivesh Maharjan, CIUD

Hygiene Behavior Change (HBC) Program

Since June 2024, the Dukuchhap Hygiene Behavior Change (HBC) activities, part of the Integrated Dukuchhap Sustainable WASH Project, have made great progress. Between June and July 2024, 588 of the 659 targeted households participated in the first HBC sessions. These courses covered six fundamental hygiene behaviors, including safe dietary practices, good soap and water use, safe drinking water habits, regular use of clean restrooms, menstrual management, and environmental cleanliness. There have been early signs of better cleanliness practices, and community involvement has been important despite constraints such as the monsoon season and natural calamities. The subsequent phase will involve water safety to assure long-term improvements and ongoing monitoring of these changes. We are committed to overcoming these barriers and achieving our aim of making Dukuchhap a model neighborhood for cleanliness and wellness.



Photo Credit: Maniram Pokhrel, CIUD

Menstrual Hygiene Management Day Observed at a Community School (May 28, 2024)

Menstrual Hygiene Management (MHM) Day was observed on May 28, 2024, at the Ganesh Secondary School in Dukuchhap. Teachers, the school administrator, female community health volunteers (FCHVs), and students in grades 7 through 10 came together to increase awareness about menstruation health. Ms. Saru Deshar, the hygiene officer, led an informative workshop on menstruation, covering topics such as correct hygiene product use and safe sanitary pad disposal. The program emphasized the importance of open discussions about period health and provided young girls with the knowledge and confidence they needed to maintain proper menstrual hygiene. Attendees found the conversations about continued efforts to ensure girls' ongoing access to essential health information and resources to be instructive.



Photo Credit: Shiva Shrestha, CIUD

Submersible Pump Replaced with a New One at Khahare Khola Deep Boring Site

The previously employed submersible pump, which planned to transport water from deep boreholes to two water tanks, one in Hasiman Danda (300,000 liters) and one in Ganesh Danda (70,000 litres), was discovered damaged. To restore service, a new power-driven centrifugal pump with a capacity of 25 HP and an energy consumption of 18.5KW was installed. In addition, a censor was installed to control the switch of a pump by sensing the water table. This was done since the previously utilized submerged pump was expected to fail due to its ongoing functioning despite a lack of water after reaching a specific water table.

Dukuchhap Water and Sanitation Users Group Committee (WSUC) actively participated in this activity. Also, the head of Godawari's Technical Department Mr. Satya Narayan Lakhe and some officials inspect the pump replacement work.



Photo Credit: Shiva Shrestha, CIUD

The Construction of Water Supply Structures Started at Dukuchhap

Based on the designs and estimation of the water supply system, most of the reservoir tanks and stream intakes were already constructed under the supervision, financial and technical support of Godawari municipality. Jointing of HDPE pipes of size (63mm, 75mm and 90mm) with a total length of 2790 meters for Cluster 1 and Cluster 2B has been completed. Similarly, the transporting and jointing of GI pipe from Bhutmul to the Jolkhu water tank and Hasiman Danda water tank were also completed. Also, in Jolkhu where the public participation in construction is high, laying down of HDPE pipe 900mm below the existing ground level is in progress. There was active participation of WUCS and Women also contributed in construction activities.



Photo Credit: Shiva Shrestha, CIUD

The Country Director of WaterAid Nepal Visits the Project Site

On June 6, 2024, Mr. Sudarshan Neupane, Country Director of WaterAid Nepal, and WAN program staff paid a visit to the project site in Dukuchhap. During his visit, he met with ward authorities, members of the Dukuchhap Water and Sanitation Users Committee (WSUC), and CIUD's field staff. Mr. Biswanath Shrestha, the project's field coordinator, provided updates on the project and its development. Mr. Neupane expressed concern about the ward's disaster preparedness policy, citing Dukuchhap as one of the disaster-prone regions. In response to his inquiry, Mr. Gautam Maharjan, the ward engineer, discussed the municipality's disaster risk reduction (DRR) plan.



Photo Credit: Shiva Shrestha, CIUD

The WSUC Members are Sensitized on WASH Rights

On July 29, 2024, a two-day Right to Water and Sanitation (RTWS) training event was held at the CIUD site office in Dukuchhap. The primary goal of the training was to provide the Water and Sanitation Users Committee (WSUC) members and the team of water safety plan members with information and comprehension of their rights to safe drinking water and sanitation facilities. Mr. Anand Gautam, WaterAid Nepal's Focal Person for Godawari Municipality, discussed the nation's approach to and development of WASH rights, as well as his perspectives on current and completed reforms aimed at strengthening Godawari Municipality's institutional capacity to deliver safe and sustainable WASH services. A total of 17 participants, including members of multiple WUSC and WSP teams, took part in the training sessions.



Photo Credit: Shiva Shrestha, CIUD

CIUD Provides Free Residual Chlorine (FRC) Test Kits to the Godawari Municipality

In response to the current cholera outbreak in Godawari Municipality, the Centre for Integrated Urban Development (CIUD) collaborated with the municipality to deliver 90 Free Residual Chlorine (FRC) test kits. The assistance was offered through the "Integrated Dukuchhap Sustainable WASH Project," which is being undertaken in the same municipality's ward number 8 with the help of Water Aid Nepal (WAN). The kits will be used to monitor the effectiveness of the chlorination process that occurs at various locations in the water delivery systems.



Photo Credit: Shiva Shrestha, CIUD

Publication:

The Dukuchhap WASH Project Team,

Centre for Integrated Urban Development (CIUD),

Gusingal, Sanepa, Ward 2, Lalitpur Metropolitan City, Bagmati Province, Nepal



+977- 1- 5904087, 5904088, 5904089



ciud.mail1@gmail.com



www.ciud.org.np