

Improved access to water services

65% households in this peri-urban settlement use solid fuel for cooking. Everyday women and children are exposed to this unhealthy environment for longer hours. Collecting fire wood not only requires time and effort but is depleting the finite forest reserve of the settlement. Many families here earn their livelihood by preparing fried beans where they need to stay in the smoke for several hours. Introducing cooking stove is aiming to create healthy environment and reduce burden to women of carrying firewood. 22 households participated in the training and few has already started building their smokeless stoves.



Preparing sunburn bricks for the stove



Young women learning the techniques of stove making



Proud of her newly built smokeless stove

“My new stove made my kitchen clean, easy to wash the dishes and clothes are not dirty as before.”

- Mrs. Navina Rajbahak
Smokeless stove user

Empowering the community

From the design phase of the project community was involved. They participated in planning and decision making and are trained in various water and sanitation related activities. Awareness building on water quality, health and hygiene training, micro-credit training are some to mention. Four micro-credit saving groups were organised to strengthen the women of Tigni.



Community groups discussing local issues



Keeping their accounts in micro-credit saving groups



School children participating health and hygiene training



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Water for Asian Cities Programme

TIGNI Initiating WATSAN activities in peri urban area



TIGNI Improving WATSAN services: THE ACHIEVEMENT SO FAR

Improved access to water services



The use of the well has increased after its renovation



Renovation of public taps for better service

Improved water delivery was one of the major components of Water and Environmental Sanitation Improvement Plan prepared for Tigni.

After the initiation of the activities in Tigni, well rehabilitation, spring conservation, public tap renovation are the major physical activities implemented. The community was made aware on importance of quality of water and disinfections techniques. They are informed about the various quality deficiencies of different sources of water. These initiatives helped the community by improved access to water.



Kuwa, the conventional water source before and after

Meeting the challenge of total sanitation



All family members involved in toilet construction



Mr Mangal applying harvested urine in his garlic farm



Mrs. Sundarimaya sharing her joy that she does not need to go to woods from now.

When CIUD started its activities two years back, it was not easy to convince the people to go for total sanitation. With the collaborative works with community organisation now every house of Tigni will have a toilet. Toilet facility has become pride of their house. There are two types of toilets promoted: Ecosan and double-pit latrines. In last few months 21 toilets were constructed and 17 are in line. Ecosan toilet users are recycling their waste to their agriculture fields closing the loop of nutrients.



A girl habitual with toilet and handwashing

Neighbourhood environment improvement

Storm water drainage was the first priority of the community among the water and sanitation activities identified. They participated in installing the storm water drainage system by contributing labour and sand. 70% of drain installation has been completed until now which includes construction of new main drain, rehabilitation of old ones, construction of manholes, collection chambers and inlets to the drain.

Similarly, 1000 square meters of surface was brick paved and side drains constructed to keep the environment clean and healthy. With the external support of bricks and skilled mason, every household participated to pave their front yard. Now the old undulated filthy surface became place for children to play, seniors to relax and people to socialise.



Offering their shoulders to build storm water drains



This capital intensive part was supported by UNHABITAT



The unpaved muddy walkways converted into cleaner neighbourhood lanes



The joy of cleaner neighbourhood

The Project Area

Tigni is a traditional settlement of Rajbahaks famous for the production of beaten rice. This small settlement in the North of Madhyapur Thimi Municipality is resided by 146 households. Water and sanitation is one of the serious problems of this settlement where the toilet coverage is less than half.

CIUD in partnership with Water Aid Nepal initiated water and sanitation activities in 2005. Later UN HABITAT joined hands to make a comprehensive study of the area under Water for Asian Cities Programme. Based on the findings of the study the three organisations in association with Madhyapur Thimi Municipality are implementing Water and Environmental Sanitation Improvement Plan for Tigni. With the participation of local people encouraging achievements were made in last few months. Here are some glimpses of the activities.