

- **Road and courtyard surface improvement**

Courtyards and lanes are utilised for drying agriculture products and socialising. This is play ground for children. Therefore, improving the surface would help in neighbourhood environmental improvement and control breeding of mosquitoes and flies.



- **Introduce improved cooking stoves**

Majority of the houses in Tigni use solid fuel for cooking. Many of them have occupation of preparing dry fried gram and peas where the women need to be exposed to the smoke for more than 12 hours. Therefore, the community will be trained in making improved cooking stove thereby improving sanitation as well as health condition.

- **Organise micro-credit groups**

To support in livelihood activities at least three women saving groups will be formed. Support will be provided to train the women in potential jobs and in seeking markets for their products.

- **Capacity building and training of the community**

Community will be trained in taking care of the infrastructure constructed, its use and regular maintenance. Health and hygiene training and other capacity building trainings will be organised to strengthen the community.



TIGNI

Addressing Water and Sanitation Issues



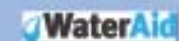
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TIGNI

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.

The study of Mapping the poor, Gender Assessment and IEE

With the support of UN HABITAT, CIUD developed and tested methodologies to address urban poverty, gender and environmental issues to be adopted in peri-urban areas of Asia. The outcomes of the study are presented in local and international forums. The findings of the study are presented in five volumes.



The Coordinated Implementation

CIUD signed a MOU with Madhyapur Thimi Municipality to initiate development activities in Tigni. Community of Tigni was organised into Tigni Community Development Committee. Support of WAN and UN HABITAT was utilised to meet the objectives. The community prioritised various water and sanitation needs and contributed in implementation of the projects.



Water and Sanitation Improvement Activities

- **Improvement of existing traditional water sources**
Traditional sources of water are more reliable. One spring and one well of Tigni are under renovation with local participation.
- **Establish community water taps**
Considering the difficulty to own individual tap, few groups within the community are demanding community taps. Three community taps we are proposed to be constructed.
- **Improvement of public taps**
Some of the existing public taps are in poor conditions which need maintenance. These taps were maintained with the participation of local people
- **Tigni Nilbarahi Marg storm water drain improvement**
Existing storm water drain is broken in several places with damaged collection chamber and its cover. This drain will be improved under this project with the participation of local people.
- **Tigni main storm water drain construction**
This is the main storm water drain in the absence of which the incoming road use to be inundated and becomes muddy. Construction of this drain will help to dispose storm water safely from Tigni.
- **Construction of toilets**
To improve sanitation condition, ten toilets were constructed recently. Additional 33 toilets will be constructed. It is expected that in very short time this area will attain full sanitation coverage, thus improving the living environment.
- **Grey water management facilities**
The main aim of grey water management is to safely dispose grey water discharged from kitchen and bathrooms. In the absence of individual bathrooms in most houses, most of water comes from kitchen. Soak pits will be constructed to discharge this waste water where storm water drain is not in near vicinity.

