

# **A Proposal For Public Health Project**

Submitted by:

America Nepal medical foundation-Nepal



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## INTRODUCTION

### BACKGROUND

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Nepal, a country with low economic background and with emerging public health problems, was worn down by the massive earthquake of April 25, 2015. The earthquake and its following aftershocks have destroyed many lives and properties including major consequences on the public health. The number of the toilets destroyed, water supply systems disrupted and the educational institutions partially or fully damaged can lead to many public health problems such as diarrhea, dysentery, cholera, typhoid and hepatitis and can severely affect the literacy rate of the country. Although government is playing its role, many of the prevention and promotion activities are still lagging. These issues on the public health need to be addressed as soon as possible to prevent the public health diseases, promote the awareness activities and restore the health of the Nepali people so as to increase the life expectancy rate and literacy rate in Nepal.

America Nepal Medical Foundation, with the leadership of Dr. Sangita, initiated public health activities such as public health awareness and toilet reconstruction project at Sallegaun, Sindhupalchowk and Gairibisauna, kavre. The only aim of public health project is to prevent the water borne and air borne communicable diseases which is triggered by the open defecation system and poor water supply system as well as to raise the awareness in the earthquake affected villages so that the people can change their behaviors and habits through Behavioral Change Communication initiative. So, in this regard, ANMF-Nepal proposes USD 11,496 to build the drinking water supply system at Sipapokhare for providing safe drinking water to 1200 peoples, to rebuild 80 toilets at Archale locality, to construct toilets at two government primary schools, to build a water supply system at OM primary school and to build a water supply system at Sankharapur, Kathmandu.

## ORGANIZATIONAL DESCRIPTION AND HISTORY

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America Nepal Medical Foundation-Nepal (ANMF-Nepal) was registered in 1997 A.D as a sister organization of America Nepal Medical Foundation-USA (ANMF-USA) with an aim to uplift the health services in Nepal so as to improve the quality of life of the Nepali people. ANMF-Nepal, before the earthquake of April 25, 2015, was supporting the healthcare institutions, health care training and research related activities including CME. After the earthquake ANMF-Nepal with the support received from ANMF-US provided relief materials for more than 167 villages, conducted public health activities and is reconstructing the destroyed health posts at Sindhupalchowk district. Recently ANMF-Nepal provided warm relief to the peoples of Uhiya and kashigaun, VDC, Gorkha with the help and support received from ANMF-US. Apart from this ANMF reconstructed two of the destroyed government primary schools at Sipapokhare, Sindhupalchowk. ANMF-Nepal consists up of 11 board members and four office staffs.

## STATEMENT OF PROBLEM

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The earthquake affected areas have a big need for clean drinking water and toilets. Many of the villages in Sipapokhare, Sindhupalchowk have had water supply and collection system damaged or that the source dried up. Water is a basic need for the people and it is imperative to provide clean hygienic water so that people can stay clean and stay free from enterically transmitted infections like diarrhea, dysentery, cholera, typhoid and hepatitis. During the earthquake, along with houses, many toilets got destroyed. Providing toilets is imperative in reducing the risk of fecal orally transmitted infections. Along with providing toilets, there ought to be teaching and demonstration regarding hand washing, proper waste disposal, food and water safety issues. Mass campaign regarding this with the initiation of Behavior Change Communication can be done so that people are educated about these issues. There needs to be constant monitoring and follow up of the situation regarding infectious diseases presenting at camps or at different area health care centers so that interventions can be offered.

After talking with the local villagers during the assessment done by ANMF team members at Sipapokhare VDC, local community was facing a lot of difficulties and was looking for a water source to fulfill the need of drinking water for 1200 peoples residing there.

Under the leadership of Dr. Sangita, 80 toilets were built at Archale locality, Sipapokhare but due to dire need for shelters, the steel sheets were diverted for building temporary shelters as a result of which most of the toilets are without proper roofing and wall. As this was initiated by ANMF, other I/NGOs have not shown any interest in supporting the villagers there. Proper roofing and wall system should be provided to the villagers so that those toilets will be in use and without the proper roofing and wall, we can't expect the villagers to use those toilets.

With the help of Dr. Mridu and other donors in US, ANMF-Nepal has completed reconstruction of two government primary school at Sipapokhare. One of those schools have the water supply system while both of those schools lack toilets which is prerequisite to prevent the water borne diseases among the children.

Upon the coordination with a local person it was found out that the earthquake have destroyed most of the infrastructures and made many people homeless as a result of which more than 70% of the total population of Sanku were compelled to leave their ancestral homes and live in the temporary shelters. After the earthquake residents of Sankharapur municipality, ward no. 8, Kathmandu have been residing in the temporary shelters and facing a lot of difficulties. There are various problems regarding drinking water supply, electricity, latrines and sewage. There is no provision of any drinking water source and government has not yet installed any drinking water pipes. It is possible to generate the water supply from the well and filter the water to make it useful for the purpose of drinking. Fifteen households consisting 79 peoples will be directly benefited with the drinking water supply and irrigation facilities at a very low cost. There are other family members and people who will make use of this water supply. Further it can be used for the irrigation purpose which in turn will be very valuable for them.

Public Health is one of the big projects of ANMF itself and there will be minimum extra cost when we carry out those projects ourselves. So, ANMF-Nepal intends to accomplish the project itself in partnership of local NGOs and local leaders respectively.

## PROJECT DESCRIPTION

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The objectives of this project which will be completed within the three months are:

- General Objective:
  1. To prevent the enterically transmitted infections like diarrhea, dysentery, cholera, typhoid and hepatitis.
- Specific Objective:
  - i. To reconstruct the destroyed toilets at Archale locality, Sipapokhare VDC, Sindhupalchowk.
  - ii. To build the toilets at two primary schools at Sipapokhare VDC, Sindhupalchowk.
  - iii. To restore the water supply system at disrupted water source at Sipapokhare, Sindhupalchowk.
  - iv. To build a drinking water supply system at Om primary school at Sipapokhare VDC, Sindhupalchowk.
  - v. To construct a water supply system at Shankharapur, ward no. 8, Kathmandu.
  - vi. To raise the public health awareness activities.
  - vii. To follow up on the implemented project periodically.

The above mentioned activities can be fulfilled by:

- Reconstructing the partially or fully damaged toilets with the co-ordination and collaboration of the local organization situated at Archale locality, Sipapokhare VDC, Sindhupalchowk.
- Reconstructing the disrupted water supply system with the co-ordination and collaboration of the local organization situated at Sipapokhare, Sindhupalchowk.

- Forming a local body to ensure the efficiency and effectiveness of the project.
- Building three toilets at each government primary school at Sipapokhare, Sindhupalchowk.
- Constructing a water supply system (well) at Shankharapur, ward no. 8, Kathmandu.
- Raising the public health awareness activities with the help of public health students through the initiative of Behavioral Change Communication (BCC) approach.
- Monitoring and supervision by ANMF team members and periodic follow up to increase the effectiveness of the awareness activities.

This project expects to reduce the risk of the infectious diseases and its successful completion will be ensured by continuous monitoring, supervision and regular follow up by ANMF-Nepal team members.

The challenges and barriers of this project are:

- Government bureaucracy
  - Road accessibility
  - Time constraint
  - Landslides
  - Conflict of interest among the villagers
  - Allocation of local leaders accordingly
  - Networking and collaborating with the villagers and public health students
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**PROJECT TIMELINE/BUDGET TIMELINE:**

S. N	Category	Description	Total Amount
1.	Sipapokhare water supply	1000ms of pipe, repairment of the old pipes and taps	NRs 3,00,000
2.	Toilet rebuilding at Archale locality, Sipapokhare	Two corrugated steels and two sacks of cements at each of the 80 toilets	NRs 2,80,000
3.	Toilet construction at two government primary schools (Om primary school and Chandragiri primary school)	Two male toilets, two female toilets and one staff toilet at each school	NRs 3,00,000
4.	Drinking water supply at Om primary school	Water tank, construction of pipes and taps and filtration system	NRs 1,30,000
5.	Drinking water supply at Shankharapur, Kathmandu	Constructing a well, installing pipes and electric wires, water tank and installing filtration system	NRs 1,50,000
5.	Public Health awareness	Public health demonstration through Information Education and Communication (IEC) materials and Behavioral Change Communication (BCC) approach	NRs 70,000
5.	<b>Total amount in NRs</b>		<b>NRs 12,30,000</b>
6.	<b>Total amount in USD</b>		<b>\$ 11,496</b>

WORK PLAN:

S.N	Category	March	April	May
1.	Sipapokhare water supply	✓	✓	✓
2.	Toilet rebuilding at Archale locality, Sindhupalchowk	✓	✓	✓
3.	Toilet construction at two government primary schools (Om primary school and Chandragiri primary school)	✓	✓	✓
4.	Drinking water supply at Om primary school		✓	✓
5.	Drinking water supply at Shankharapur, ward no. 8, Kathmandu	✓	✓	✓
6.	Monitoring and follow up	✓	✓	✓

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