

Disaster Preparedness and Response Plan for Safe Drinking Water in the Kathmandu Valley

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BACKGROUND

A study on Seismic Vulnerability of Drinking Water Supply in Kathmandu Valley carried out by NSET with the support from UNICEF has estimated that most part of the valley will be without piped water supply for several months and several areas could remain without water service for over one year after a major earthquake. These very high estimates on the possible damage rate demands an urgent need of earthquake risk reduction and preparedness.

In this connection, the project Disaster Preparedness and Response Plan Framework (DPRP) for Safe Drinking Water in Lalitpur Sub-Metropolitan City (LSMC) was launched in (Oct 2006- May 2007) by UNICEF in joint collaboration with NSET and LSMC.

NSET provided technical assistance to UNICEF/Nepal in making Disaster Preparedness and Response Plan for Safe Drinking Water for Lalitpur Sub-metropolitan City with financial support from European Commission through its Humanitarian Aid department. The project had two components, notably a) development of an outline of a Comprehensive Framework of Disaster Preparedness and Response Plan for the Lalitpur Sub-Metropolitan City (LSMC), emphasizing the linkages between the different critical facilities and emergency response services, and b) development and implementation of pre-positioning of water supply at identified potential evacuation sites ensuring a minimum supply of safe water after a scenario earthquake resulting in IX MMI intensity of shaking. Seismic vulnerability assessment of existing and identified water wells, identification and implementation of possible structural and non-structural interventions, and encouraging wider ownership of the experiences gained and lessons learned were the main activities that were carried out with wide consultations and participation of all stakeholders.

OBJECTIVE

The main objective of the project was to contribute to the Disaster Preparedness and Response of LSMC by building local capacities.

Its specific objectives were:

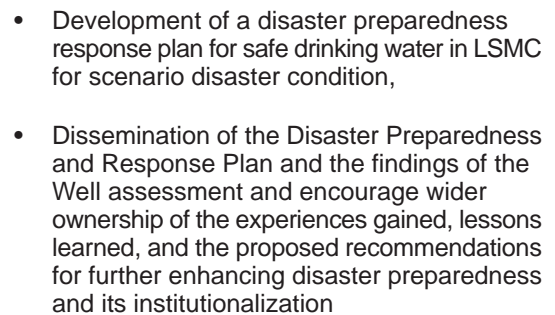
- To develop an outline of a Disaster Preparedness and Response Framework,
- To identify the potential evacuation sites within LSMC
- Select existing tube wells, which are accessible to the identified evacuation sites and make them earthquake resistant

ACTIVITIES

- Development of an outline of a comprehensive Framework of Disaster Preparedness and Response Plan,



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- Identification of possible evacuation sites
- Selection of deep tube wells
- Detail assessment and retrofitting the selected deep tube well system
- Preparation of Disaster Preparedness Response Framework (DPRF)

