Consulting Service for Construction of Decentralized Wastewater Treatment System (DEWATS)

Project Partner: Dhulikhel Hospital

Project Area: Dhulikhel Hospital, Kavre

Project Duration: June 2017 to December 2019

Aim:
- To design, estimate and supervise the construction of DEWATS at Dhulikhel Hospital premises, Kavre.

Project Description:
In 1997, ENPHO introduced Nepal’s first constructed wetland system for the wastewater management in Dhulikhel Hospital. Last year, Dhulikhel hospital decided to construct new DEWATS to accommodate the wastewater generated from the extended hospital. ENPHO provided technical support to design and supervise the construction of DEWATS in Dhulikhel Hospital. Furthermore, ENPHO provided the operation and maintenance training for caretakers for the sustainability for DEWATS. The system has been design to treat daily wastewater from 1500 population.

Project Outputs:
- Prepared a detail engineering design report;
- Supervised and provided technical assistance to construct DEWATS;
- Construction of DEWATS in Dhulikel Hospital;
- Conducted treated water testing and regular monitoring
Major Achievement:
- Establishment of DEWATS in Dhulikhel Hospital which is in operation.

Beneficiaries:

1,500 people