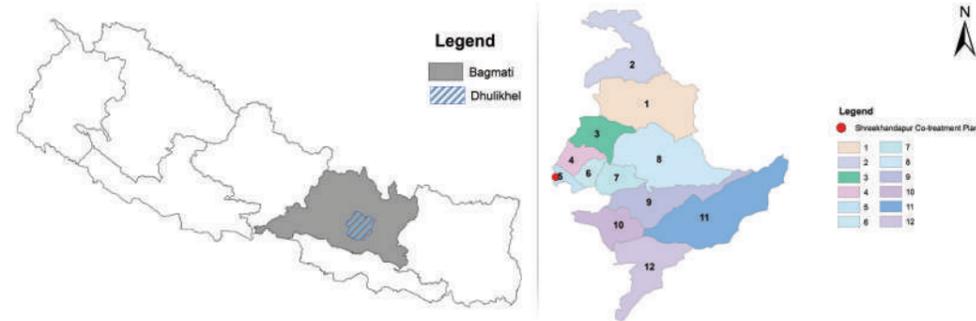


Factsheet of Shreekhandapur Wastewater and Faecal Sludge Treatment Plant (First Co-Treatment Plant in Nepal)

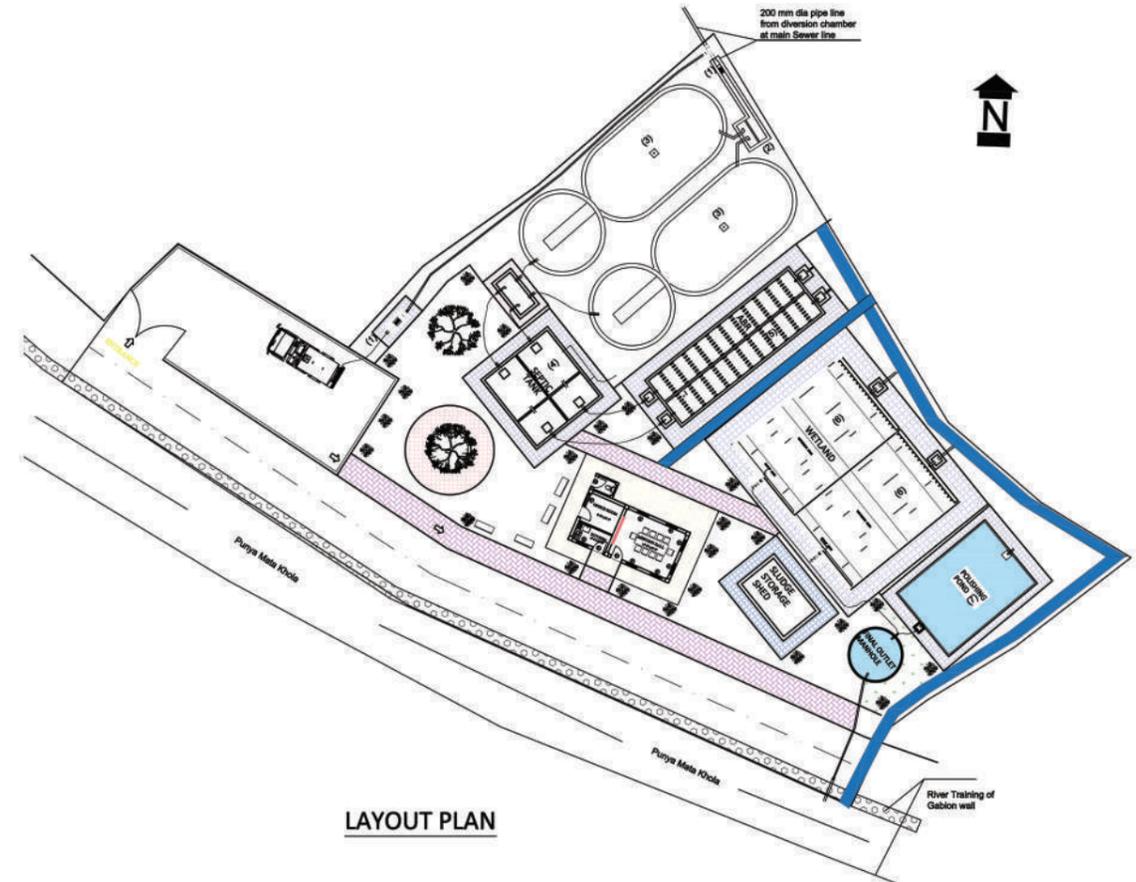
The Shreekhandapur Wastewater and Faecal Sludge Treatment Plant located at Dhulikhel Municipality in ward no. 5, was constructed in 2023 A.D. Environment and Public Health Organization (ENPHO) in collaboration with Municipal Association of Nepal (MuAN) and in support of Bill and Melinda Gates Foundation (BMGF) technically supported for the construction of the Co-treatment plant. Dhulikhel Municipality solely led the financial management for the construction of this treatment plant.



Components in Treatment Facility

The facility is constructed based on natural treatment process. It consists of following units:

Component	Nos.	Size
Sludge-Liquid Separation Unit		
Bar Screen ①	1	1 m ³
Flow Diversion Chamber ②	1	1 m ³
Biogas Digester ③	2	Each 75 m ³
Septic tank ④	2	Each 21.6 m ²
Liquid Treatment Unit		
Anaerobic Baffle Reactor ⑤	2	31.2 m ³
Horizontal Flow Constructed Wetland ⑥	2	70 m ²
Polishing Pond ⑦	1	28 m ³



Design Capacity and Operational Status



We acknowledge representatives from Dhulikhel Municipality for your cordial support during this survey.

