

Factsheet of Gulariya FSTP

The Faecal Sludge Treatment Plant (FSTP) in Gulariya Municipality was constructed by Environment and Public Health Organization (ENPHO) under SAFA and SWASTHA Gulariya Project in 2016 A.D. The FSTP was constructed with financial assistance from Practical Action Nepal and UK Aid and land provided by the local community forest. The major objective of the treatment plant was to encourage the households to construct toilets so that the faecal sludge would be treated from the desludging service provided by the municipality. It is located in the ward number 8 and provides service throughout the municipality. This factsheet has been generated based on the survey conducted on 18 April 2024.



Design Capacity and Operational Status

Design Capacity:
3 m³ per day

Operational Status:
1.5 m³ per day

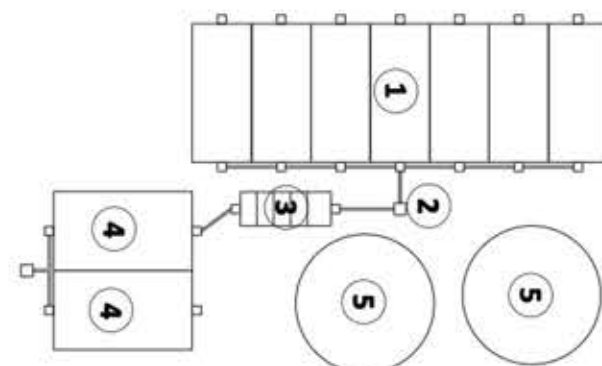


Operated by:
Gulariya Municipality

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		
Biogas Digester ⑤	2	Unknown
Sludge Drying Bed ①	7	Each 21 m ²
Liquid Treatment Unit		
Settler ③	1	3.7 m ³
Anaerobic Baffle Reactor ③	1	4.6 m ³
Horizontal flow Constructed wetland ④	2	Each 28 m ²



Treatment Efficiency

Effluent Test Result (From Outlet)		
Parameters	National Standard (Source: GoN)	Result
pH	6 to 9	7.72
BOD (mg/l)	50	32
COD (mg/l)	250	104
TSS (mg/l)	60	126

Sampling Date: 18 April, 2024



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

