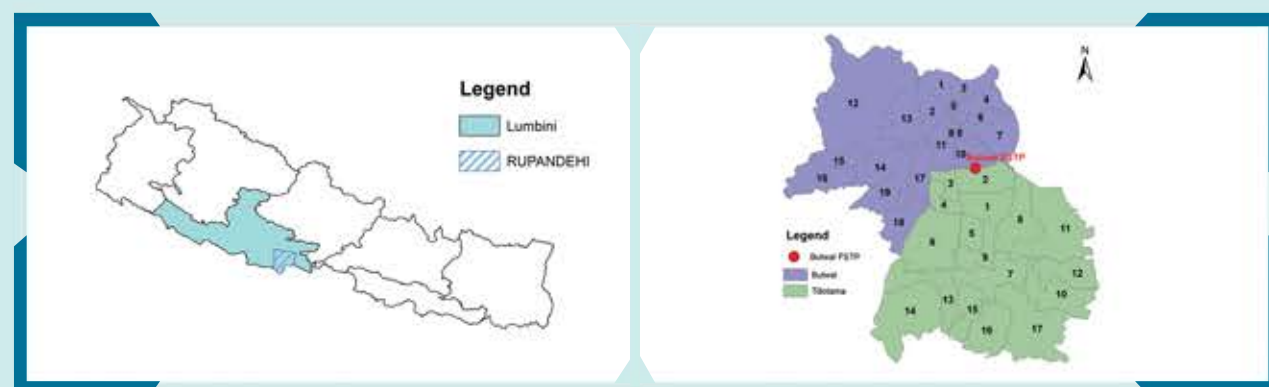


Factsheet of Butwal FSTP

Butwal sanitary is a faecal sludge treatment facility established and operated by private sector. It was constructed in 2021 A.D. along the administrative boundary of Butwal Sub-Metropolitan City and Tilottama Municipality. Almost nine private desludging service providers from Butwal Sub-Metropolitan City and Tilottama Municipality collaborated and invested in the facility. It was constructed to address the need of safe disposal site for the faecal sludge in the area and to generate resources from the treated faecal sludge.

This factsheet has been generated based on the survey conducted on 17 April 2024.



Design Capacity and Operational Status

Design Capacity:
40m³ per day

Operational Status:
30m³ per day

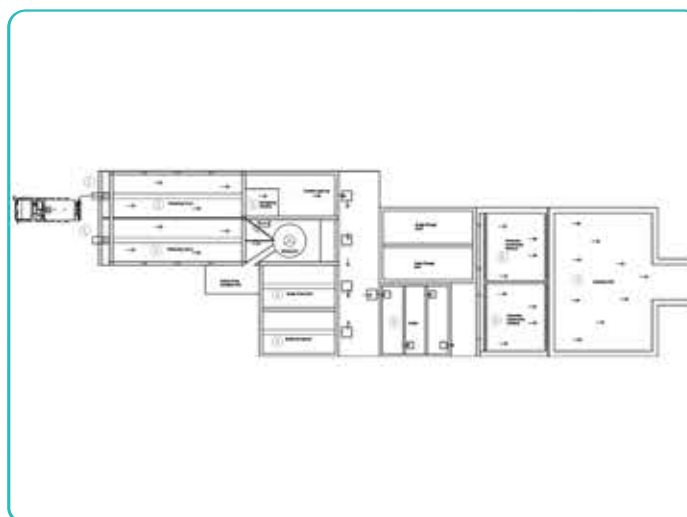


Operated by:
Butwal Sanitary
Pvt. Ltd.

Components in Treatment Facility

The facility is constructed based on natural treatment process with a mechanized dewatering unit. It consists of following units:

Component	NOs.	Size
Sludge-Liquid Separation Unit		
Bar Screen ①	2	
Thickening Tank ②	2	43 m ³
Desludging Machine ③	1	
Sludge Drying Bed ④	2	
Liquid Treatment Unit		
Settler ⑤	1	81 m ³
Horizontal flow Constructed wetland ⑥	2	32 m ²
Polishing Pond ⑦	1	110 m ²



Treatment Efficiency

Effluent Test Result (From Outlet)

Parameters	National Standard (Source: GoN)	Result
pH	6 to 9	8.08
BOD (mg/l)	50	265
COD (mg/l)	250	1290
TSS (mg/l)	60	1028

Sampling Date: 17 April, 2024



We acknowledge representatives from Butwal Sanitary Pvt. Ltd., Butwal Sub-Metropolitan City and Tilottama Municipality for your cordial support during this survey.

