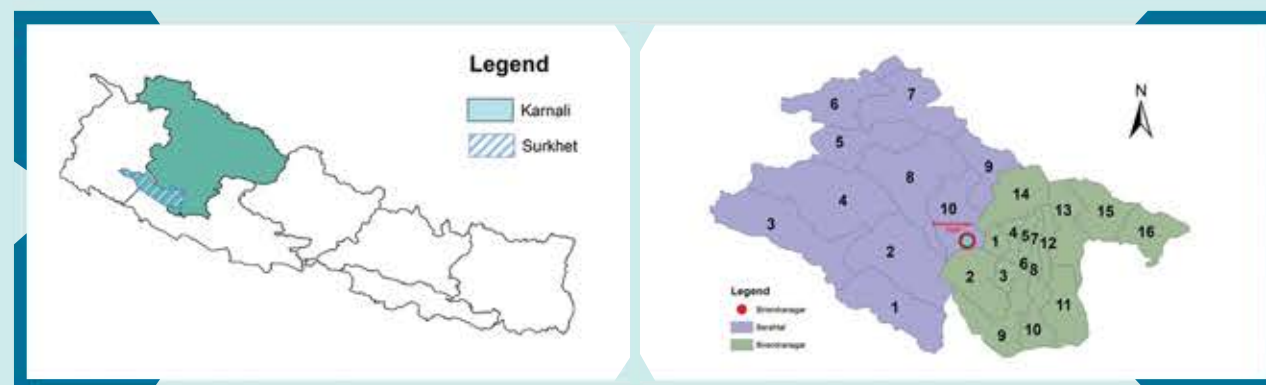


Factsheet of Birendranagar FSTP

The Faecal Sludge Treatment Plant (FSTP) at Birendranagar Municipality was constructed in 2020 A.D. under WASH SDG Program supported by SNV Netherland Development Organization.

The municipality's Integrated Solid Waste and Faecal Sludge Processing Site comprises FTSP and it is one of the substantial component of the site. It is located in the boundary of ward no.1 of Birendranagar Municipality and Barahatal Rural Municipality.

This factsheet has been generated based on the survey conducted on 29 April, 2024.



Design Capacity and Operational Status

Design Capacity:
11m³ per day

Operational Status:
10m³ per day

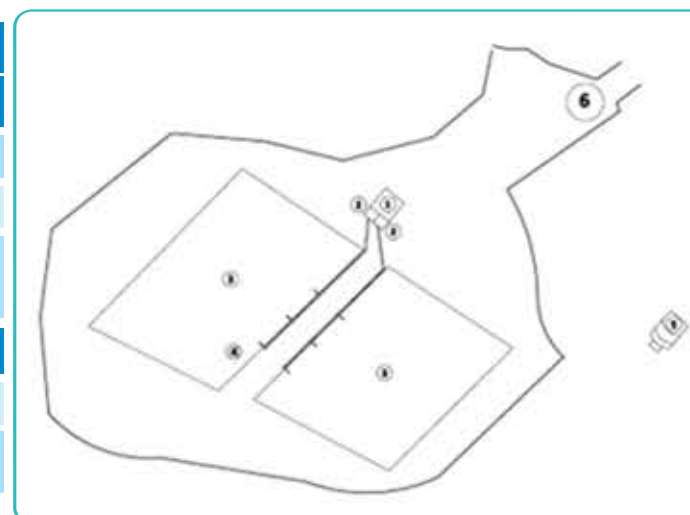


Operated by:
Birendranagar Municipality

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		
Feeding Tank ①	1	
Bar Screen ②	1	
Planted Sludge Drying Bed ③	2	102 m ² and 95 m ²
Liquid Treatment Unit		
Collection Tank ④	2	
Polishing Pond ⑤	1	



Treatment Efficiency

Effluent Test Result (From Outlet)

Parameters	National Standard (Source: GoN)	Result
pH	6 to 9	7.6
BOD (mg/l)	50	49
COD (mg/l)	250	312
TSS (mg/l)	60	114

Sampling Date: 29 April, 2024



We acknowledge representatives from Birendranagar Municipality and SNV for your cordial support during this survey.

