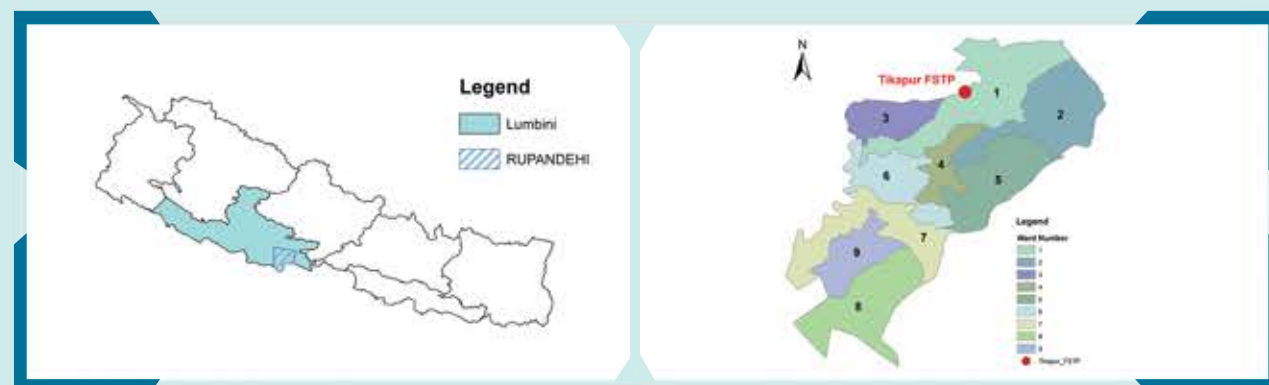


Factsheet of Tikapur FSTP

Tikapur Faecal Sludge Treatment Plant (FSTP) was constructed in 2021 A.D. under Urban Water Supply and Sanitation Sector Project. The project was implemented by Department of Water Supply and Sewerage Management (DWSSM), executed by Ministry of Water Supply (MoWS) and financially supported by Asian Development Bank (ADB). The design period of the FSTP is estimated till 2036 A.D. Currently, it serves 18,620 households in the municipality. The FSTP is located in ward number 1 of Tikapur Municipality, Kailali. ITECO Nepal Pvt. Ltd. is responsible for the operation and maintenance of this FSTP.

This factsheet has been generated based on the survey conducted on 19 April 2024.



Design Capacity and Operational Status

Design Capacity:
9 m³ per day

Operational Status:
2.5 m³ per day

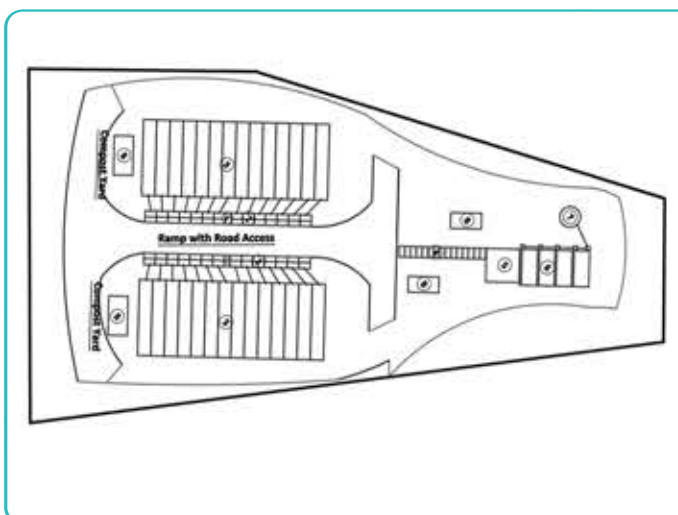


Operated by:
ITECO Nepal Pvt. Ltd
Build, Operate, and
Transfer Modality

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	
Anaerobic Digester ②	26	Each 9 m ³
Sludge Drying Bed ③	26	Total area 35 m ²
Liquid Treatment Unit		
Anaerobic Baffle Reactor with Anaerobic Filter ④		Total area 35 m ²
Collection Tank ⑤	1	
Horizontal flow Constructed wetland ⑥	4	Total area 35 m ²
Polishing Pond ⑦		15



Treatment Efficiency

Effluent Test Result (From Outlet)

Parameters	National Standard (Source: GoN)	Result
pH	6 to 9	8.01
BOD (mg/l)	50	36
COD (mg/l)	250	187
TSS (mg/l)	60	126

Sampling Date: 19 April, 2024



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

