

Factsheet of Charali FSTP

The Faecal Sludge Treatment Plant (FSTP), located in Charali within Mechinagar Municipality, was constructed in 2020 A.D. This FSTP was constructed by the Department of Water Supply and Sewerage Management (DWSSM) under third small town water supply and sanitation project, with financial support from Asian Development Bank (ADB). The operation and maintenance of the FSTP is currently managed by Charali Water Supply and Sanitation User's Committee. This FSTP serves Mechinagar and the peripheral municipalities. This factsheet has been generated based on the survey conducted on 30 April 2024.



Design Capacity and Operational Status

Design Capacity:
27m³ per day

Operational Status:
5.5m³ per day

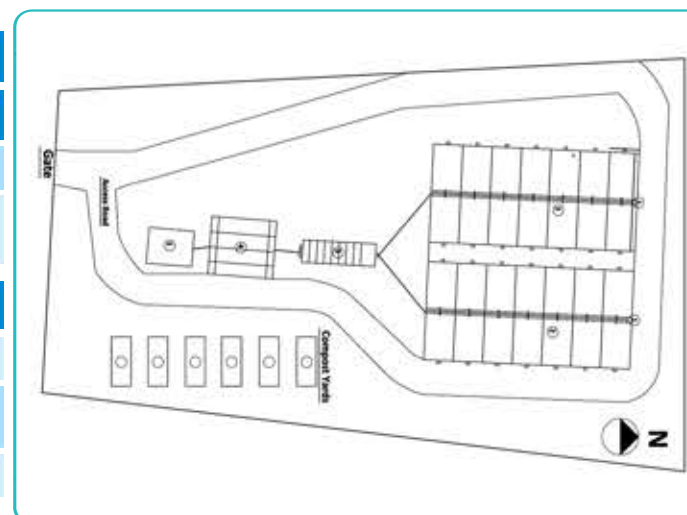


Operated by:
Charali Water Supply and Sanitation User's Committee

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	2	
Planted Sludge Drying Bed ②	28	Each 60 m ³
Liquid Treatment Unit		
Settler ③	1	Unknown
Horizontal flow Constructed wetland ④	4	Each 30 m ³
Polishing Pond ⑤	1	



Treatment Efficiency

Effluent Test Result (From Outlet)		
Parameters	National Standard (Source: GoN)	Result
pH	6 to 9	8.8
BOD (mg/l)	50	42
COD (mg/l)	250	187
TSS (mg/l)	60	7

Sampling Date: 30 April, 2024



We acknowledge representatives from Charali Water Supply and Sanitation User's Committee and Birtamod Municipality for your cordial support during this survey.

