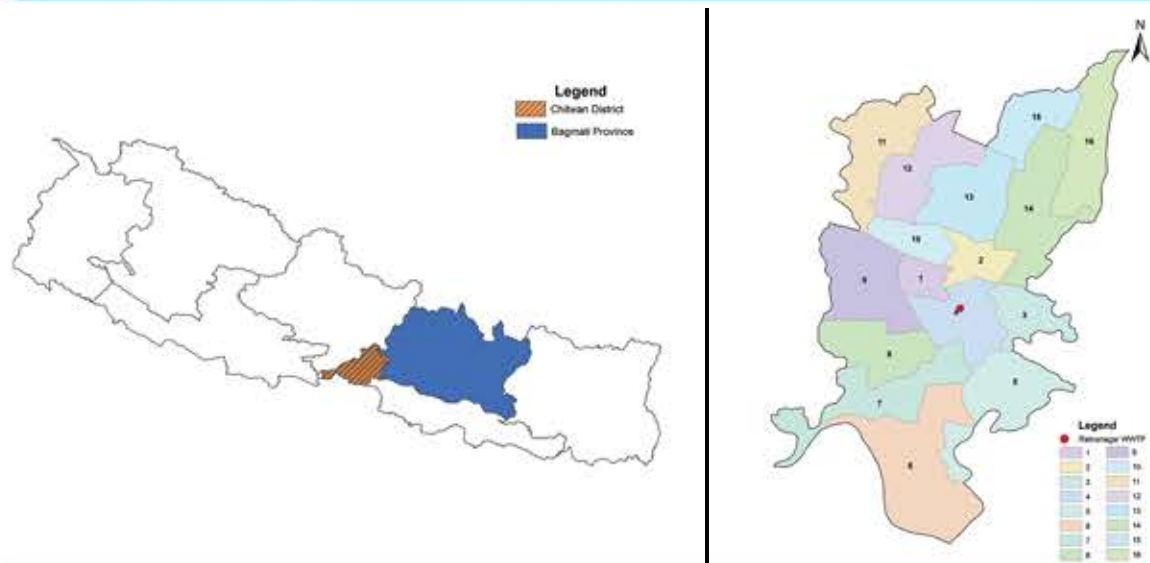


Factsheet of Wastewater Treatment Plants with Faecal Sludge Treatment at Ratnanagar Municipality

The two Wastewater Treatment Plants (WWTPs) are located on the bank of Budhikhola in ward 4 of Ratnanagar Municipality. The Department of Urban Development and Building (DUBC) with financial support from Asian Development Bank (ADB) under Urban and Environmental Improvement Project constructed these WWTPs on 2010 A.D. These WWTPs covers wards 1, 2, 4 and 10 of the municipality. The municipality oversees the operation and maintenance of these WWTPs. Though the major purpose of the plant is wastewater treatment, faecal sludge is also being treated at these plants.

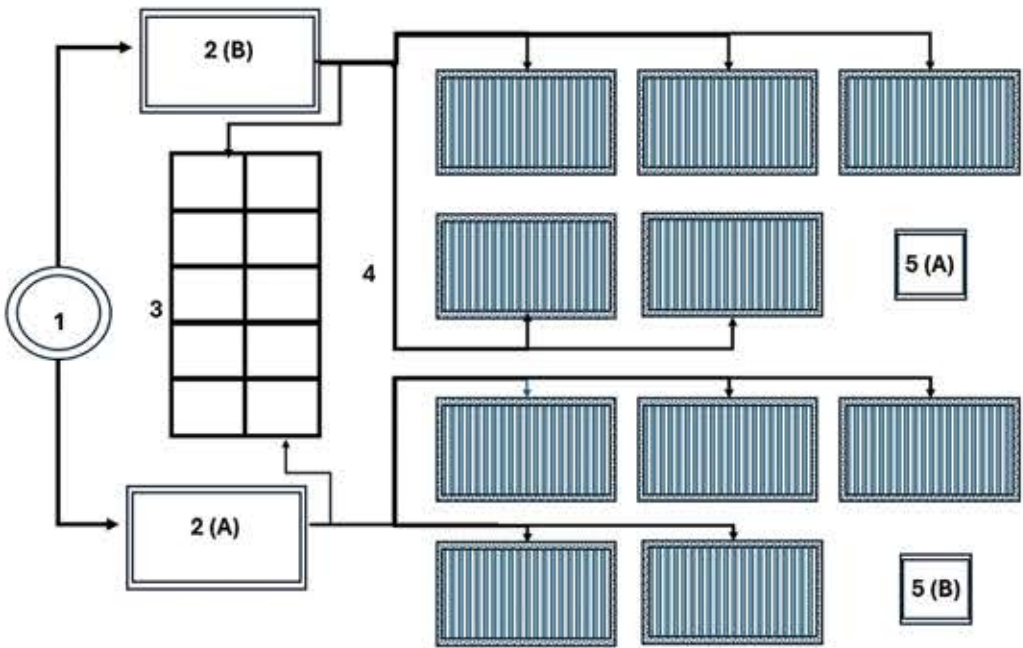
This factsheet has been generated based on the survey conducted on 1 May 2024.



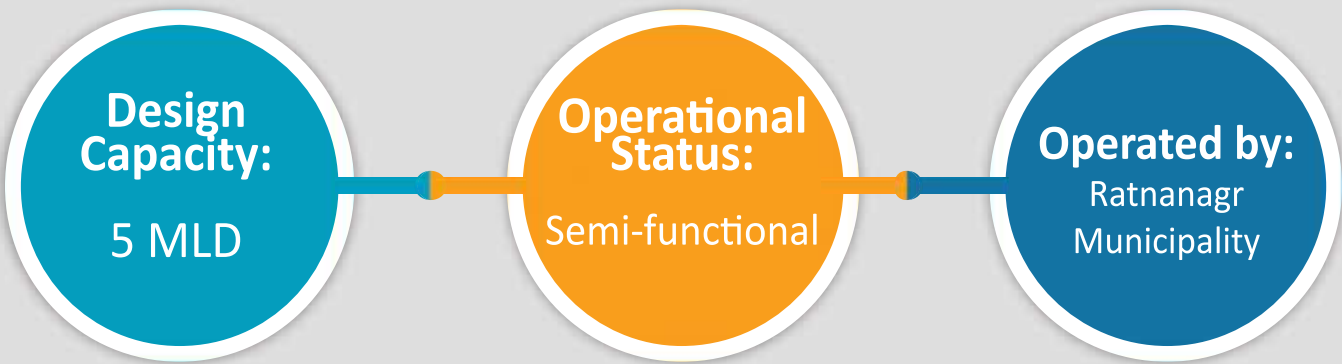
Components in Treatment Facility

The facility is constructed based on natural treatment process. It consists of following units:

Components	Nos.	Size
Pre-Treatment Unit		
Inlet cum Sump Well ①	1	Outer Diameter: 2.4m Depth: 3.3m
Sludge-Liquid Separation Unit		
Sludge Drying Bed ③	2	22m X 5m (Each) Depth of Media: 0.45m
Liquid Treatment Unit		
Septic Tanks ②	2	1.3m X 5.5m X 3.2m (each)
Horizontal Flow Constructed Wetland ④	10	22m X 15m X 0.75m (each)



Design Capacity and Operational Status



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