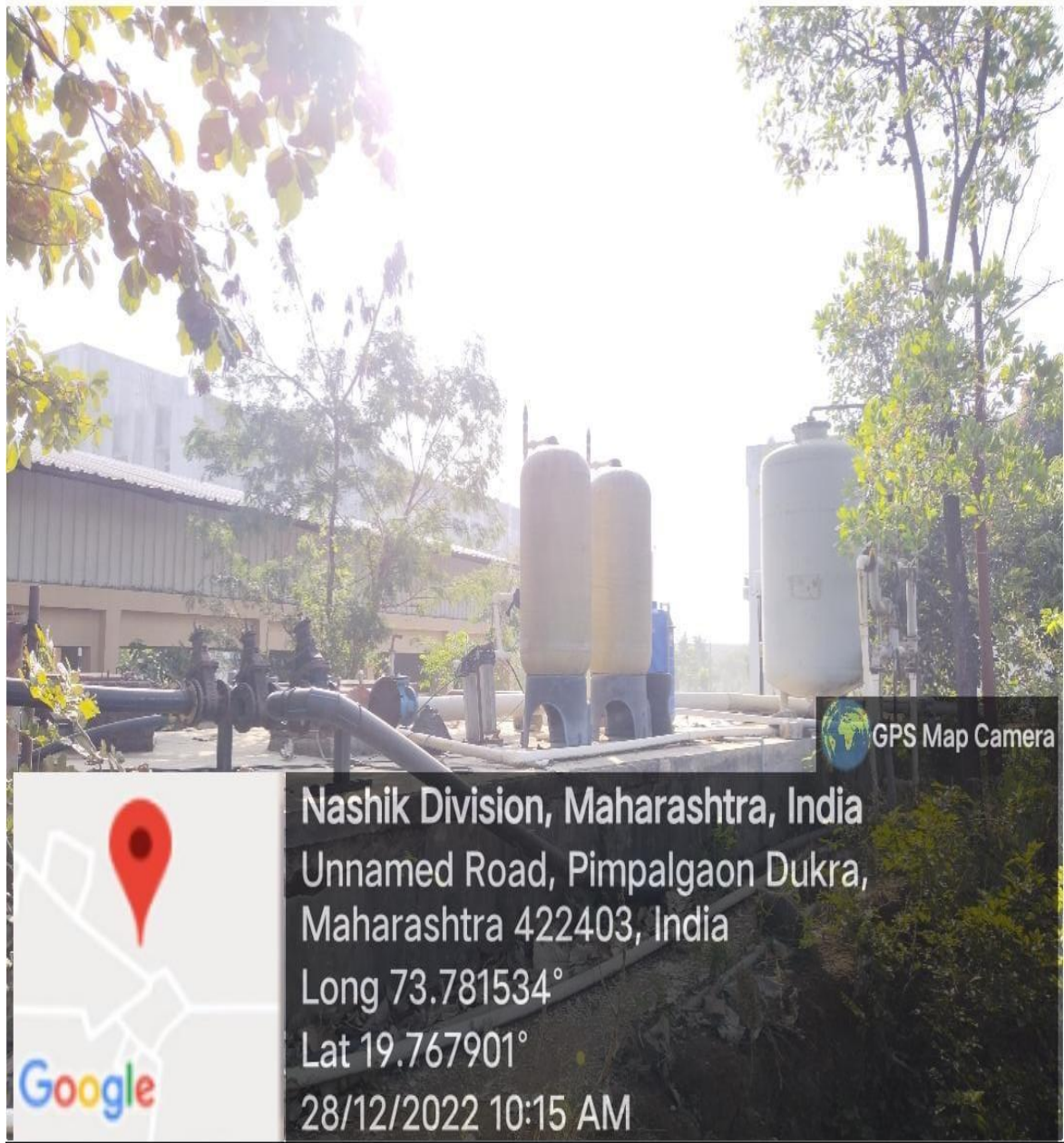


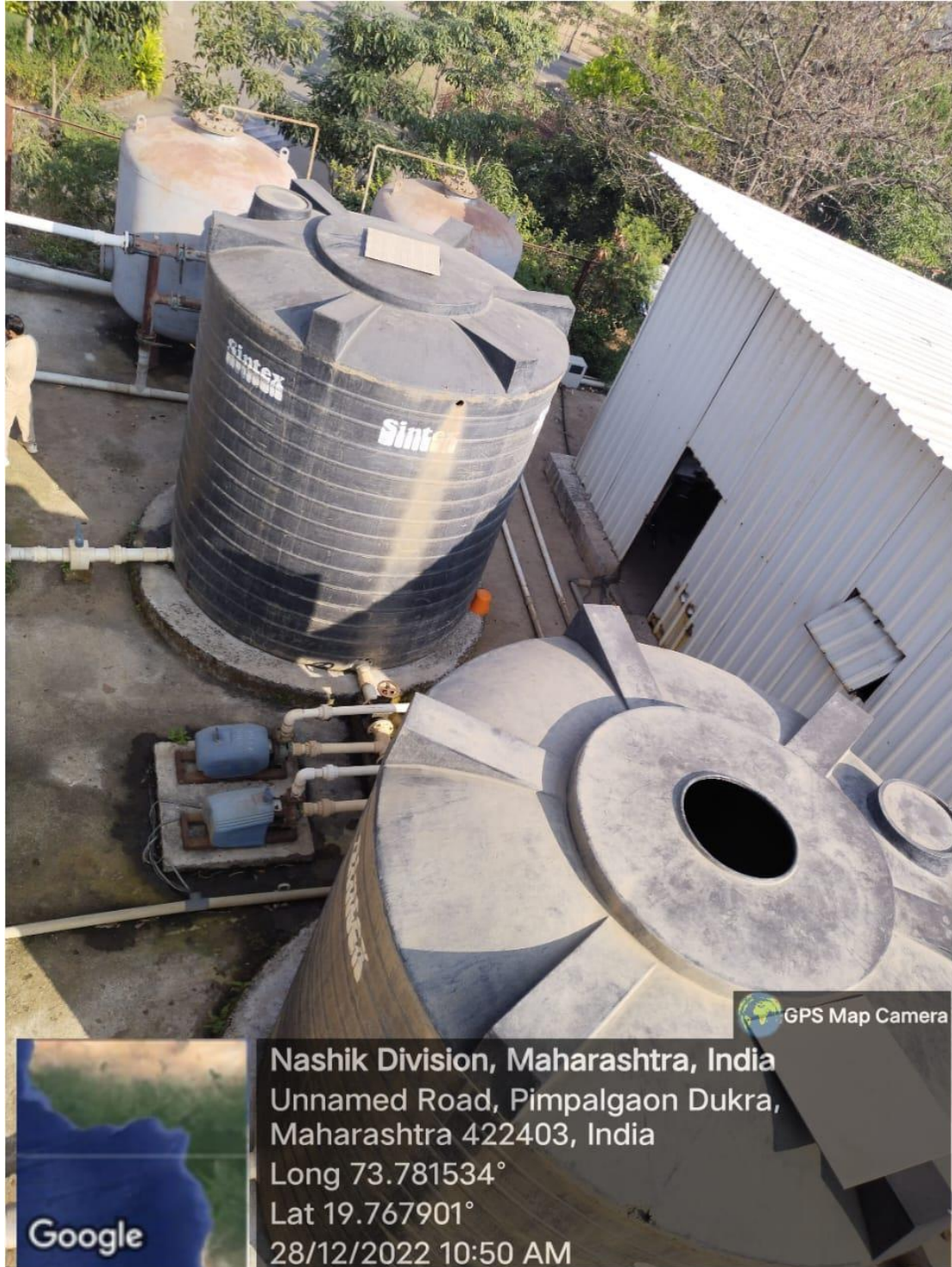
WATER TREATMENT PLANT



WATER TREATMENT PLANT



WATER TREATMENT PLANT



SEWAGE TREATMENT PLANT

SMBT Sewage Treatment Plant Flow Diagram

The flow diagram illustrates the following process:

- Raw Effluent:** Enters from the left into a **Collection Tank**.
- The effluent then flows to **Aeration Tank-1**, then to **Aeration Tank-2**.
- From Aeration Tank-2, the flow goes to a **Clarifier** (represented by two vertical tanks).
- The Clarifier feeds into a **Filter Feed Tank**.
- The Filter Feed Tank feeds into a **Filter Tank**.
- The Filter Tank feeds into a **Final Treated Water Tank**.
- The Final Treated Water Tank has an output labeled **To be using**.
- Sludge Handling:** A **Sludge Recycle Pump** (SW-2) is connected to the bottom of the Clarifier and feeds back into the Filter Feed Tank. A **Sludge Recycle Tank** (SW-1) is also connected to the Clarifier.
- Aeration System:** An **Air Blower** (SW-3) provides air to the aeration tanks.

Legend				
Sl. No.	Name of Equipment	Operation Purpose	Capacity	Unit
1	Collection Tank	Equalizer Tank	388800	Liter
2	Aeration Tank-1	Aerobic Treatment	75302	Liter
3	Aeration Tank-2	Aerobic Treatment	75302	Liter
4	Talco-settle-1	Sludge Settler	36250	Liter
5	Talco-settle-2	Sludge Settler	28252	Liter
6	Filter Feed Tank	Filter water	94362	Liter
7	Disinfectant Tank	Disinfectant Dosing	100	Liter
8	Sand Filter	Filtration	5.32	m ³
9	Activated Carbon Filter	Filtration	5.32	m ³
10	Final Treated water Tank	Treated water	94023	Liter
11	Sewage Transfer Pump	Sewage Transfer	2.5	HP
12	Air Blower	Aerobic Treatment	23.1	HP
13	Sludge Recycle Pump	Sludge Recycle	2.1	cP
14	Filter Feed Pump	Filtration	1.0	HP
15	Final Treated water			

GPS Map Camera



Google

Nashik Division, Maharashtra, India
 QQ57+8XX, Ghoti Kh, Maharashtra 422403,
 India

Long 73.764802°

Lat 19.758485°

28/12/2022 10:40 AM

SEWAGE TREATMENT PLANT



SEWAGE TREATMENT PLANT



SEWAGE TREATMENT PLANT



SEWAGE TREATMENT PLANT

