

Total Volume of Water used in the GMRIT

GMRIT has one overhead tank with a 200 m³ storage capacity and one sump with a 200 m³ storage capacity. To handle the daily water requirement within the campus, GMRIT had a total storage capacity of 400 m³. The primary sources of water for the campus were 3 open wells with a 150 m³/d discharge capacity and 3 tube wells with a 360 m³/d discharge capacity. So, in an average daily requirement of water within the campus was approximately 590 m³/d. The availability of water from the source is decreasing while the demand for water is increasing during the summer. 150 m³ of water were pumped daily from municipal water sources to supply the need for water. Both the overhead tank and the sump will receive water from various sources, and both are equipped with water metres to measure the amount of water utilised daily in the buildings.

Storage Capacity

S.No	Description	Capacity (m ³)
1	Overhead Tank	200
2	Sump	200
Total		400

Sources of Water (Average)

S.No	Description	Discharge (m ³ /d)
1	Open Well 1	90
2	Open Well 2	30
3	Open Well 3	30
4	Tube Well 1	150
5	Tube Well 2	30
6	Tube Well 3	180
7	Treated STP Water (Approximately)	200
Total		860

Water Consumption (Average)

S.No	Description	Consumption (m ³)
1	GMRIT Hostels	200
2	RO and UV Plant	100
3	Staff Quarters	80
4	Club House	4
5	Academic Blocks	210
6	Day Canteen	15
7	Servant Quarters	25
8	Laundry Shed	10
9	Union Bank of India	1
10	Horticulture	200
11	Organic Farming	50
Total		895

Sample Photos

Water Meter provided at the inlet point (Sump and Overhead tank)



Overhead Tank (200 m³)



Underground Sump (200 m³)



Open Wells



Tube Wells

