

Total Volume of Water used in the GMRIT

GMRIT has one overhead tank with a 200 m 3 storage capacity and one sump with a 200 m 3 storage capacity. To handle the daily water requirement within the campus, GMRIT had a total storage capacity of 400 m 3 . The primary sources of water for the campus were 3 open wells with a 150 m 3 /d discharge capacity and 3 tube wells with a 360 m 3 /d discharge capacity. So, in an average daily requirement of water within the campus was approximately 590 m 3 /d. The availability of water from the source is decreasing while the demand for water is increasing during the summer. 150 m 3 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 | 200 |
| | (Approximately) | |
| Total | | 860 |



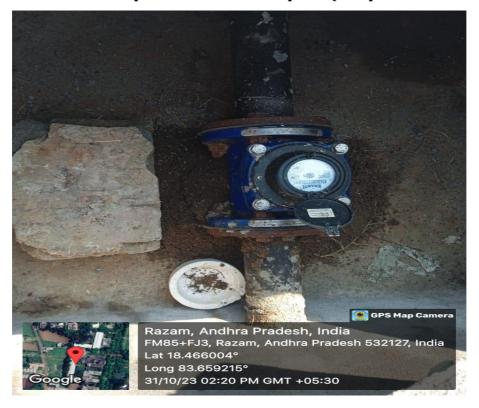
Water Consumption (Average)

| 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)















Tube Wells



