

7.1.4 Water Conservation Facilities Available in the Institution:

1. Rainwater harvesting

To safeguard the supply of groundwater, the University has established various pits for a rainwater gathering system. On the campus, there are various locations where rainwater is collected. The rainwater collection basins were constructed in accordance with industry norms. To ensure rainfall conservation, rain is diverted through large, shallow ditches that stretch the length of the campus. Rainwater collection systems are installed on all open terraces, and they are connected to ground drains. An outside drain directs drainage from the entire building to the lowest floor.

2. Borewell /Open well recharge

Borewell water in the university typically refers to groundwater obtained from a borehole or well dug on the university's premises. This water source can be used for various purposes within the university campus, such as drinking water, irrigation, cooling systems, or other non-potable uses. The University has 04 functional borewells fulfilling the needs of the entire university.

3. Construction of tanks and bunds

The University consists of a separate tank system for drinking as well as bore water for usage in everyday life. Through the pipelines, water is collected from the bore well, open well, and other water sources and stored in the tank (at each block). The University's maintenance division oversees routine tank cleanings. The rainwater is collected in 09 water harvesting pits and recycled for the cultivation of fields.

4. Maintenance of water bodies and distribution systems in the campus

To ensure that Raffles University has access to safe, sufficient, reliable, and affordable water, the water tanks are periodically maintained to eliminate bacteria, viruses, and other germs in the water through the chlorination method. All the buildings are equipped with RO systems for drinking water purposes.

The university maintains a well-constructed underground pipeline system for water distribution with open outlets to distribute the water by using HDPE pipes. Further, the rainwater in the pits is also well connected with the pipelines. This excellent mechanism of water distribution maintains the university always lush green with healthy plantations.