

7.1.4. Water conservation facilities available in the Institution

a) Rainwater harvesting

Sant Baba Bhag Singh University has many open places and grounds where no metalling and concrete is done so that the water of rain which drain off from the building roof top and roads, recharged into soil through these open places. In Botanical Garden, a lake pit is constructed where the rain water during monsoon recharge into the soil.

b) Borewell /Open well recharge.

- The university has adopted Borewell recharge system from each building rooftop for the recharge of rainwater into the soil.
- University has seven rain harvesting system which collects rainwater from a roof and through drain system, it is directed to a deep pits (well, shaft, or borehole) reservoir with percolation.
- University has circular and rectangular rainwater collecting systems at various places inside university, whose dimensions are as follows:
 1. Circular Chamber: -
 - Diameter - 10 Feet
 - Depth - 15 Feet
 2. Rectangular Chamber: -
 - Length - 4 Feet
 - Breadth - 6 Feet
 - Depth - 6 Feet



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University has drainage system associated with every block to facilitate the rainwater flow through roofs to collecting tanks.

c) Maintenance of water bodies and distribution system in the campus

Water inside the campus is procured from the submersible bores and distributed through big water tank to the university. The water coming from toilet, kitchen and bathroom is drained to the STP through underground pipes. The rainwater is harvested and send to direct borewell recharge system or open tank.



Figure 2 Distribution of system of water in the campus

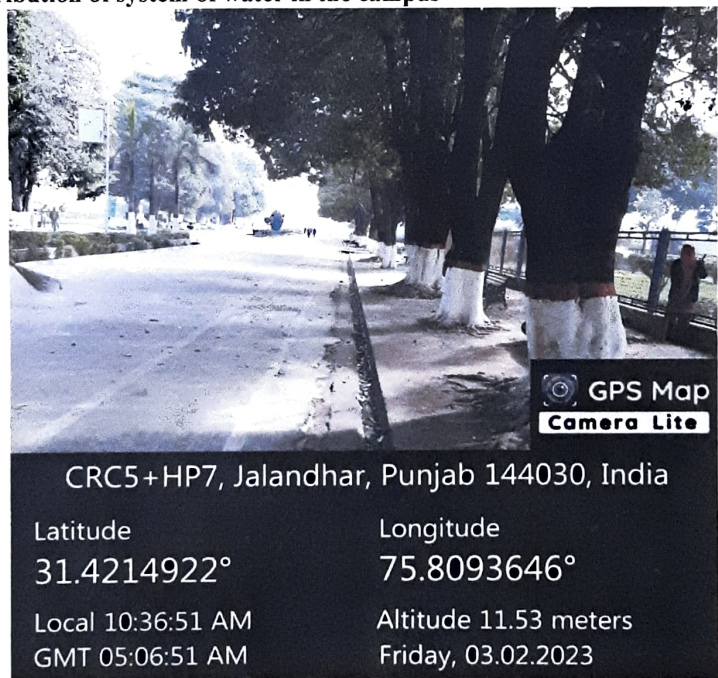


Figure 3. Rainwater draining system from Roads

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In University there is a STP of capacity 600 KLD is present in university which is used to treat sewage and treated water is used for various agricultural purposes



Figure 4 Sewerage Treatment Plant (STP) of capacity 600 KLD



Figure 5: Clean water coming out of STP and supplied to plantation purpose

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Figure 5 Over all view of STP

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