

REPORT ON
EXISTING WATER CONSERVATION FACILITIES



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Registrar
Jagan Nath University, Jaipur

University Campus

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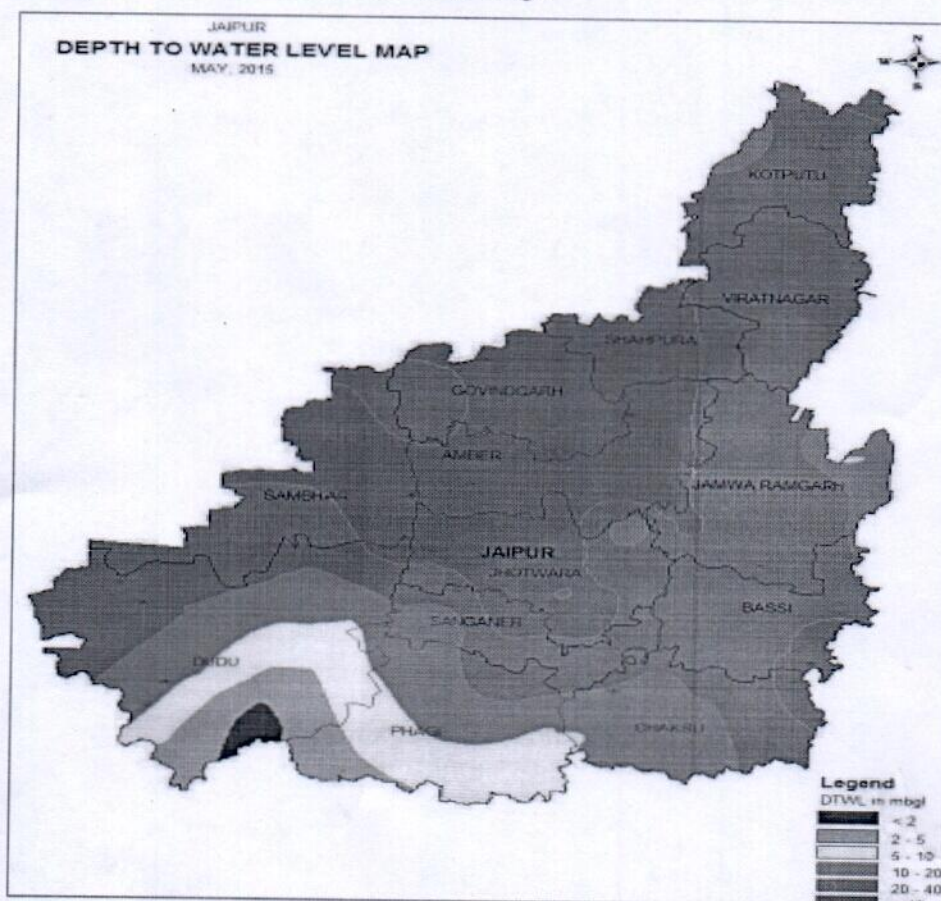
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Water conservation facilities available in the University

1. Rain water harvesting
2. Bore well /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Jagannath University has a long standing pledge towards environment conservation and natural resource conservation. The university main campus is located in the rural belt of central Rajasthan in an area of depth to water level range of 10-40 mbgl.



Depth of Water Level Map

Reference: Report on Aquifer Mapping and Ground Water Management Jaipur District, Rajasthan, Central Ground Water Board Ministry of Water Resources, River Development and Ganga Rejuvenation Government of India.

We depend on ground water for all our water needs. We have implemented measures for efficient usage of available water and adaptation of water conservation measures.. The following measures are taken for the conservation of water:

1. Rain Water Harvesting

Rain water coming from roof tops and that flowing within the campus is collected in number of pits of 1ft x 1ft size each, constructed at all feasible points in the campus. Water collected through these gathers in the harvesting tank. This water is reused and also helps in ground water replenishment.



Water Harvesting Tank

2. Open Well Recharge

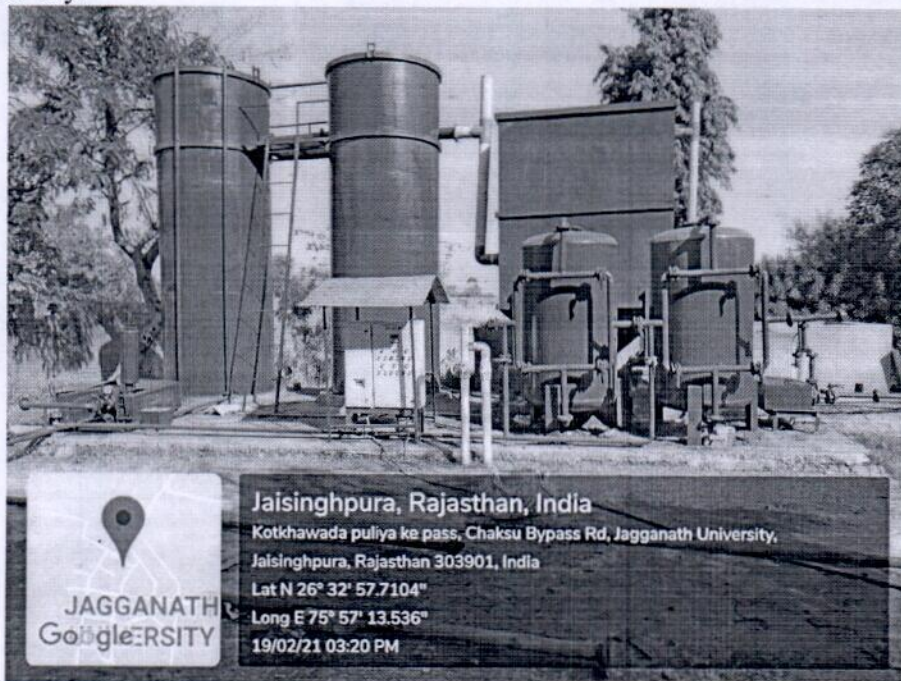
Ground water is replenished by two open wells located in the campus which are recharged by rain water.



Open Well Recharge

3. Usage of Waste Water

Wastewater discharged as effluent from septic tank and canteen wastewater are treated in Sewage Treatment plant and used for gardening, watering of trees etc. The treatment plant is of capacity 100 kilolitres per day.



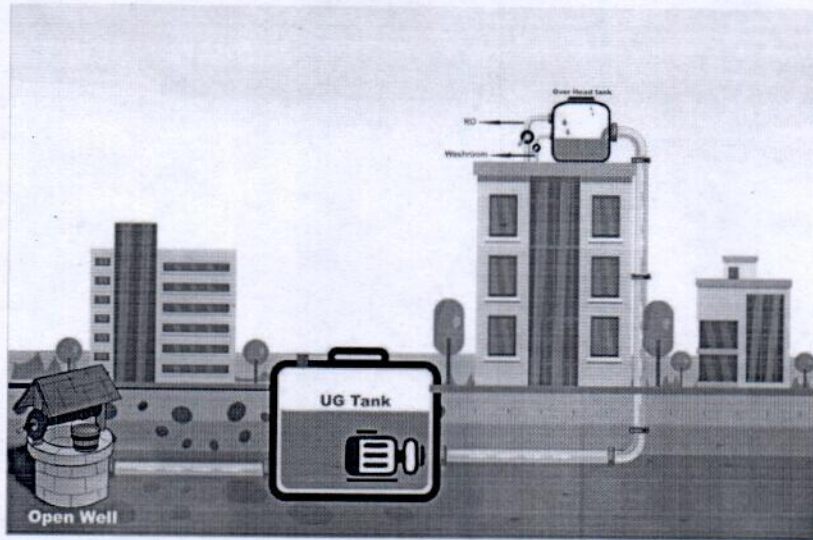
Water Treatment Plant

4. Maintenance of Water Distribution Systems in The Campus

The ground water is pumped into storage tanks located at different places in the campus. There are twenty one major over head storage tanks, sixty three plastic tanks and three underground tanks for water distribution in the campus.

The water is distributed through well laid pipe network. Drinking water after treating in RO plant is supplied through a separate set of distribution pipes and water for all other purpose is supplied through another set of distribution pipes. Entire distribution system is well supervised by maintenance department to ensure that there are no leakages and wastages of precious water through joints, valves etc.

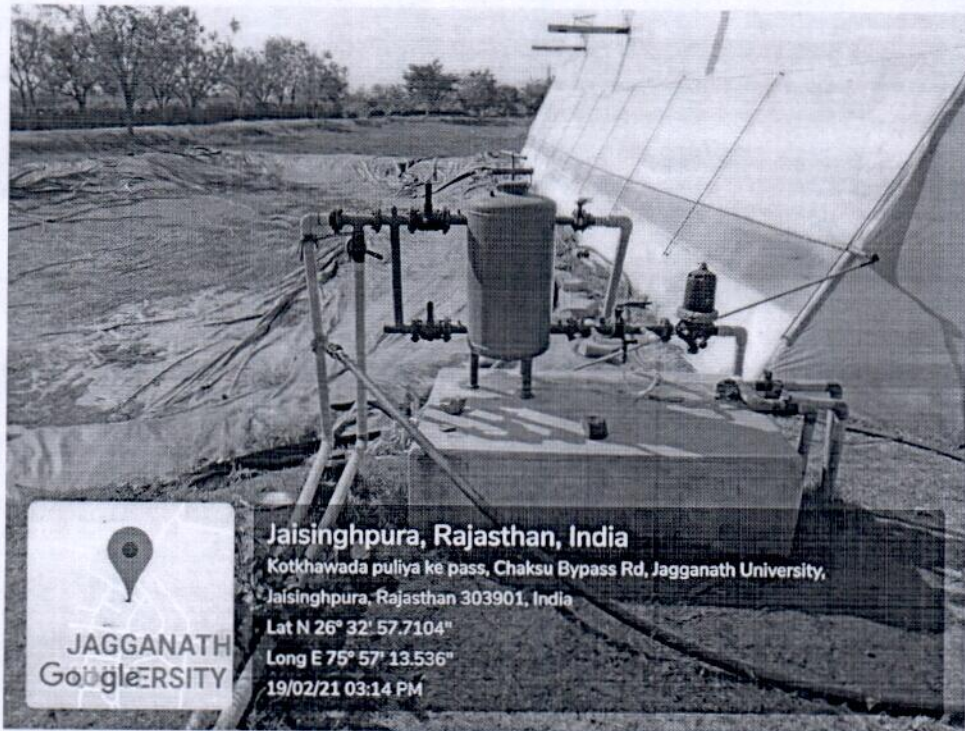
Softner Plant is used to reduce the hardness of water. Regular cleaning of water cooler is done to maintain proper hygiene. All the stakeholders of the college are well educated to use water economically and efficiently.



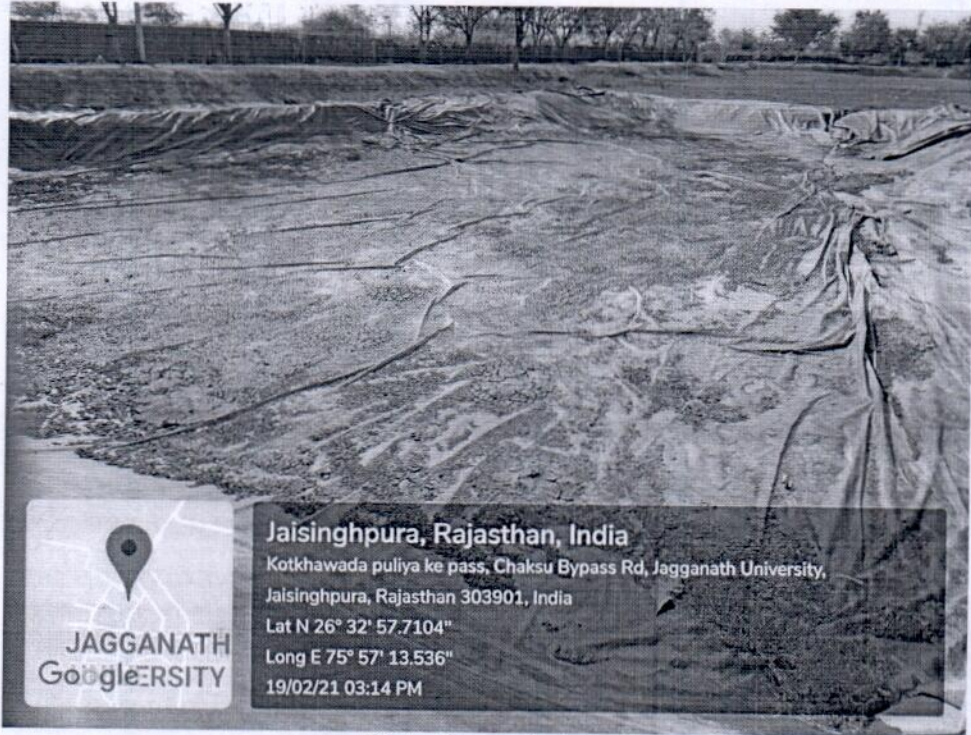
Water Distribution Management System

5. Maintenance of Open Water Body

The University has an open tank which is used for collection of rain water and the same water is used for maintenance of green house thus saving precious ground water.



Water Storage System



Water Storage System



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