



Estd.: 1991

SOMANATH EDUCATIONAL TRUST'S
S. B. PATIL INSTITUTE FOR DENTAL SCIENCES & RESEARCH
BIDAR – 585 402 (KARNATAKA)

(Affiliated to Rajiv Gandhi University of Health Sciences & Recognised by Dental Council of India)

Email: principalsbpdch@yahoo.co.in www.sbpatilcollege.in

Ph.: 08482 232101-232588 Fax.: 08482-232101

7.1.5

1. Borewell/Open Well Recharge:

- The institution has one open well and one borewell which are properly used and maintained .
- It is properly sealed with mesh wire outer cover .
- An open well with a protected wall and netted outer cover is located in the campus .
- It is a well of sq ft 30x30 through which water is supplied to all the campus area .
- The water is lifted with 5HP motor to all the tanks.



A 5 Hp motor is placed in both the well and the Bore well to lift the water up .

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2. Construction of Tank

- A water tank with a capacity of 30,000 liters was constructed in the campus as a central system and individual overhead tanks on all buildings . chlorination is done periodically in the water supply system .
- Through these tanks water is supplied through pipeline system in all the areas of campus as well as hostel buildings .
- In garden area there is sprinkler system , drip system through which water is supplied to the plants , through these college greenery is maintained .



A water tank has been constructed in the college campus of capacity 30,000 liters of 10x10 sqft and also motor of 5 HP has been installed to pump the water

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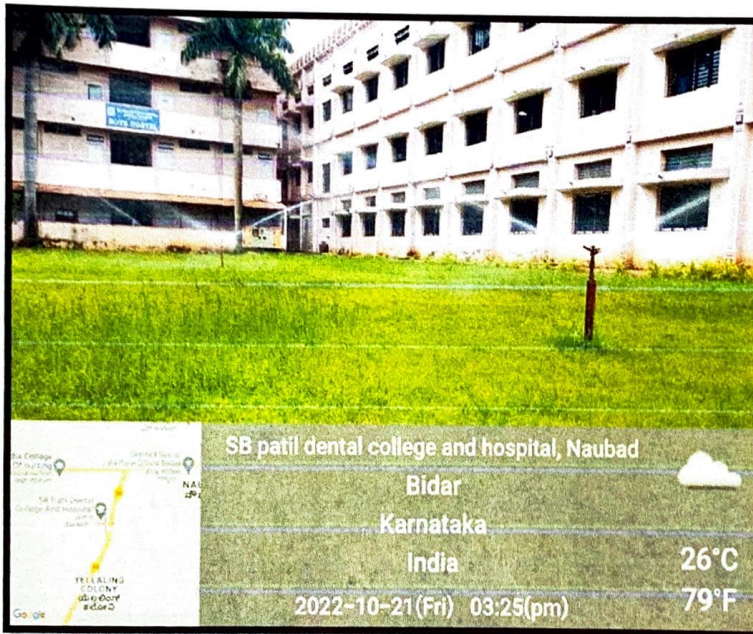
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3. Maintenance Of Water Bodies And Distribution System **In Campus**

- The well and borewell water is pumped into storage tank located at different places in campus. The water is distributed through pipe network .
- Drinking water and other purpose water is supplied through a separate set of distribution pipes .
- Periodically monitoring of pipeline connection and plumbing works are done to avoid the leakage of water.
- Water purifiers are provided in hostel and college for safe drinking water.
- In garden area there is sprinkler system , drip system through which water is supplied to the plants , through these college greenery maintained .



Plants are watered through sprinkler and drip system.

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Water Is Distributed Through Filters And Water Purifiers. Safe Drinking Water System is Maintained In The Campus .



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3. CONSTRUCTION OF CONTOUR TRENCH

- A contour bund of size 1m x 1m is also created along one boundary of the college for the percolation of rain water.
- A sum of Rs. 100000 (one lakh) has been spent in connecting all pipelines which in turn go and connects well for water storage



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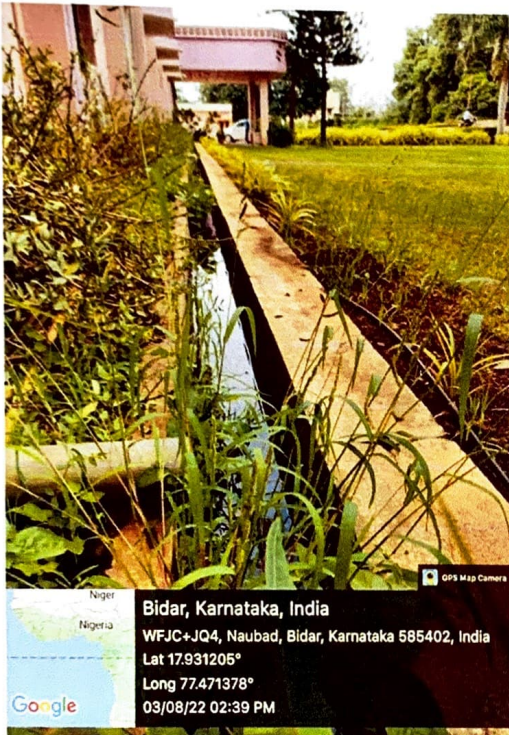
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4. USAGE OF WASTE WATER

Wastewater discharged as effluent from septic tank and canteen wastewater are used for gardening, watering of trees etc.



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5. 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 five numbers of over head storage tanks and one Elevated Service Reservoir 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 Civil works committee to ensure that there are no leakages and wastages of precious water through joints, valves etc. Waste usage of water is reduced using low pressure flushes. All the stakeholders of the college are well educated to use water economically and efficiently.



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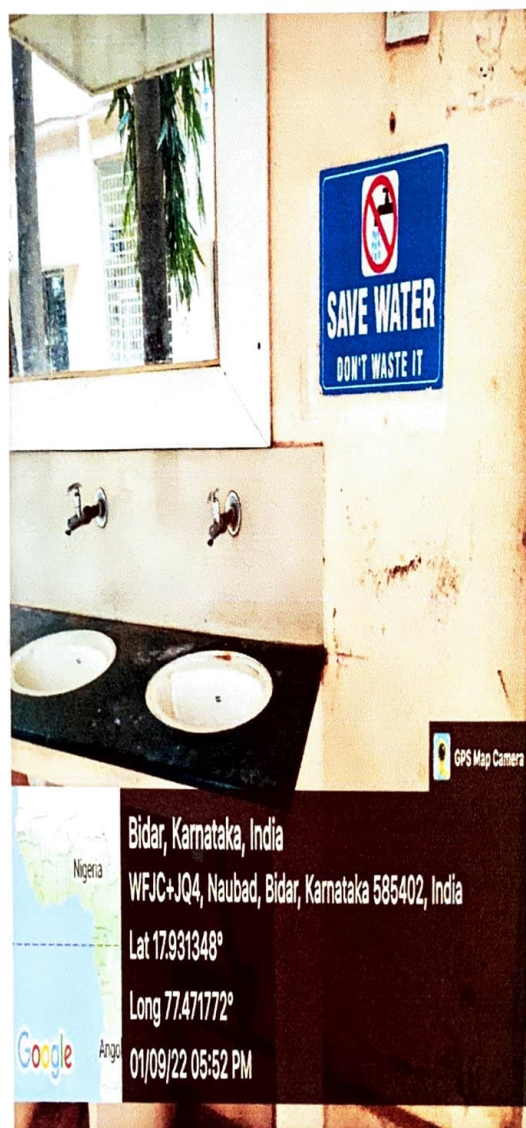
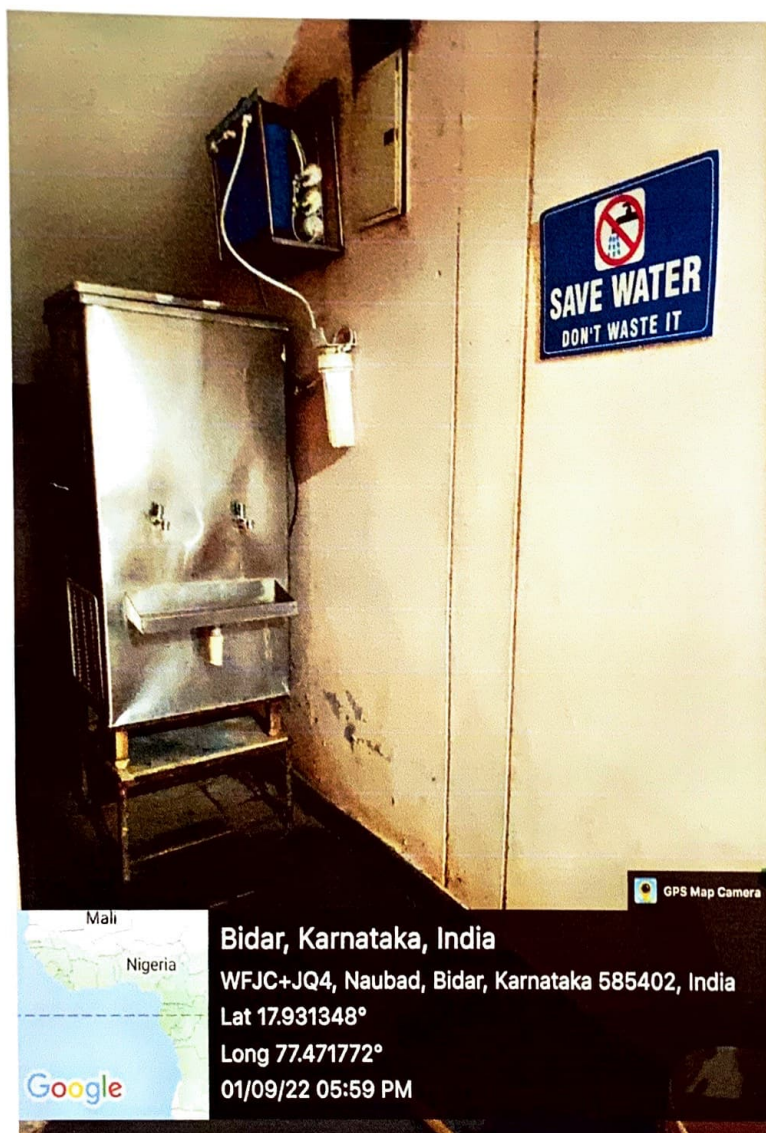
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6. MEASURE TAKEN FOR WATER CONSERVATION



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