


## 7.1.4 WATER CONSERVATION FACILITIES AVAILABLE IN THE CAMPUS

1. Policy document
2. Rain Water Harvesting
3. Bore Well / Open Well Recharge
4. Construction of Tanks and Bunds
5. Maintenance of Water Bodies and Distribution System in the Campus



  
PRINCIPAL  
T.J.S. ENGINEERING COLLEGE  
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## **RAIN WATER HARVESTING**

Rain water harvesting facility is available in the campus. The rain water is collected from the roof top of the buildings and in open areas which has a high run off coefficient.

The rain water collected from the roof top of the buildings are collected in percolation it's located at feasible points inside the college campus store charge ground water.

Almost 70% of rain fall in the campus is collected and directed to the pond which is located in the college campus.

## **BORE WELL / OPEN WELL RECHARGE**

Bore wells are constructed in feasible points inside the college premises near rain water harvesting system for easy recharge. Rain water stored can be effectively used to revive the bore wells. The bore wells are periodically monitored and maintained by the plumbers and if any problems are identified, immediate actions are taken.

## **CONSTRUCTION OF TANKS AND BUNDS**

Overhead tanks are constructed at the top of buildings for the purpose of holding water supply which is a part of water distribution system. For storage of water in over head tanks, the water is pumped from the sump. The water stored in the tanks are used for daily requirements in the campus such as rest rooms, hand wash, cleaning purposes, gardening etc. The tanks are periodically monitored and maintained for leakage and blocks and immediate necessary actions are taken for maintenance.



A handwritten signature in green ink, appearing to be 'J. S. S.', written over the printed name 'PRINCIPAL'.

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## MAINTENANCE OF WATER BODIES AND DISTRIBUTION SYSTEM IN THE CAMPUS

Water distributions in the campus are well established with adequate facilities to fulfill the needs of users.

- Rain water is also one of the sources of water available in the college. Nearly five rain water harvesting tanks are available to collect rain water. Ground water from the over head tank is distributed to all buildings inside the campus through taps.
- A well laid pipe network is arranged to distribute the water. This ground water is pumped in to storage tanks located at various places inside the college campus.
- A separate committee is available to ensure that there are no leakages and wastages. Plumbers are available 24x7 to maintain the distribution system.
- Immediate actions are taken to restrict wastage of water, whenever any problems related to plumbing are identified. All valves are checked properly to avoid leakages. The water users are educated thoroughly to use the water efficiently without any wastage.
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- Water is purified and desalinated in the RO plant and supplied for drinking purposes. The rejected water from RO is collected and it is used for campus gardening purposes.
- The plants that require less water are planted and are maintained properly inside the college campus. The species of plants that are available locally are selected. Waste water is being recycled and is distributed into lawns and gardens.



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## WATER CONSERVATION FACILITIES AVAILABLE IN THE INSTITUTION



RAIN WATER HARVESTING INSIDE THE COLLEGE CAMPUS



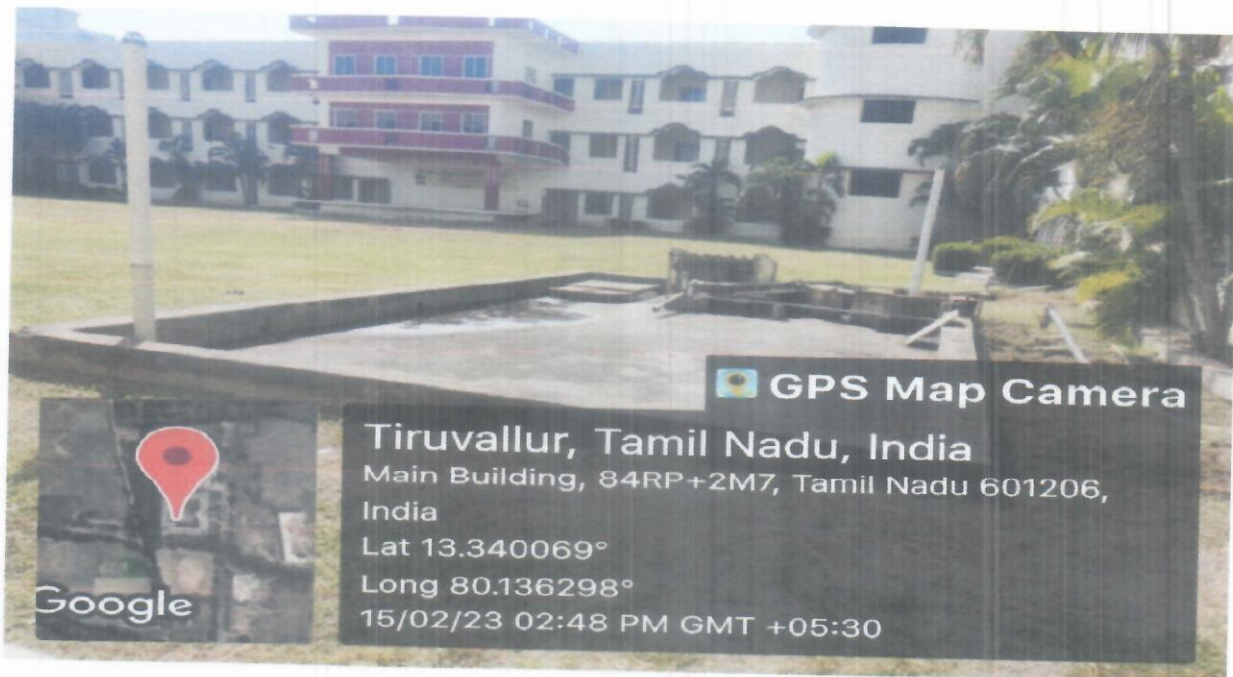
RAIN WATER HARVESTING OUT SIDE THE COLLEGE CAMPUS



  
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**BOREWELL NEAR CANTEEN AREA**



**BOREWELL INSIDE THE CAMPUS**



  
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**BOREWELL NEAR MAIN GATE**



**CONSTRUCTION OF TANKS AND DISTRUTION OF PIPE LINES**



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