



## Key Indicator - 7.1 Institutional Values and Social Responsibilities

Metric No: 7.1.2 The Institution has facilities and initiatives for

1. *Alternate sources of energy and energy conservation measures*
2. *Management of the various types of degradable and nondegradable waste*
3. *Water conservation*
4. *Green campus initiatives*
5. *Disabled-friendly, barrier free environment*

### 3. Water conservation

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## Water conservation facilities available in the Institution

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

### 1. Policy document of water conservation



**LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S**  
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The policies laid down for green audit aims to analyze environmental practices within and outside the college campus, leading to an eco-friendly atmosphere. Management and staff of Priyadarshini Bhagwati college of Engineering is committed to carry out Eco Friendly activity and use natural resources to promote sustainability.

**a) SOLID WASTE POLICY**

1. Least amount of paper should be used for administrative and academic work. The college prefers ERP software for most of the official work. Other waste papers should be collected from academic buildings & sent to waste paper management centers.
2. Use of a dustbin should be encouraged. There are large & small size dustbins placed on all the floors in all the buildings in the campus.
3. Food waste generated in the canteens of the college campus should be diverted to the compost pits in the campus.
4. To address the issue of plastic pollution causing environmental hazards, the use of one-time-use plastic bottles, cups, folders, pens, & decorative items should be prohibited on the campus.

**b) ENERGY SAVING POLICY**

1. Buildings inside the campus in PBCOE are designed in such a way so as to use maximum sunlight during the day which will eventually reduce the use of artificial lights. PBCOE is committed to shift to maximum utilization of solar Energy.
2. Use of natural lights through a single south-facing window can illuminate the entire room.
3. To save electricity, teaching & non-teaching staff & students should be encouraged to switch off the electricity source while not in use.
4. Optimum usage of LED lighting is encouraged, should be replaced with CFL tubes with electronic chokes and LEDs.
5. By unplugging unused electronics also we can save unwanted use of electricity.

**c) WATER CONSERVATION POLICY**

1. To strengthen Rainwater harvesting practices, rainwater must be collected from rooftops to recharge the groundwater level table.
2. Everyone in the campus should contribute to the cause of saving water by closing the taps properly after using.
3. The administrative authorities should immediately repair leaking taps.



4. Activities on Water Conservation should be carried out from time to time to make the aware of conserving natural resources for the sustainability of the future generations.

#### d) ECOFRIENDLY CAMPUS

Green landscaping at PBCOE which is an alternative method of landscaping allows you to remain focused on its aesthetic quality without using the hazardous chemicals and harmful techniques associated with some traditional landscaping practices.

1. The campus of PBCOE is situated in the midst of luscious green landscapes with grass.
2. Generally, the mowed grass clippings are left ,because they turn into natural fertilizer. The clippings also keep soil and water rooted to the ground.
3. The grass debris is purposely kept far away from water pipes to avoid choking.
4. The rain harvested water is used for Irrigating New Plants, Annuals & perennials.
- 5 Our students sit around in the natural landscape shades, completing their assignments.
- 6 Green landscaping has proven to lower heating and cooling costs in the campus.

Dr.N.K.Choudhari  
Principal  
Priyadarshini Bhagwati College of Eng  
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## 2. Introduction to water conservation

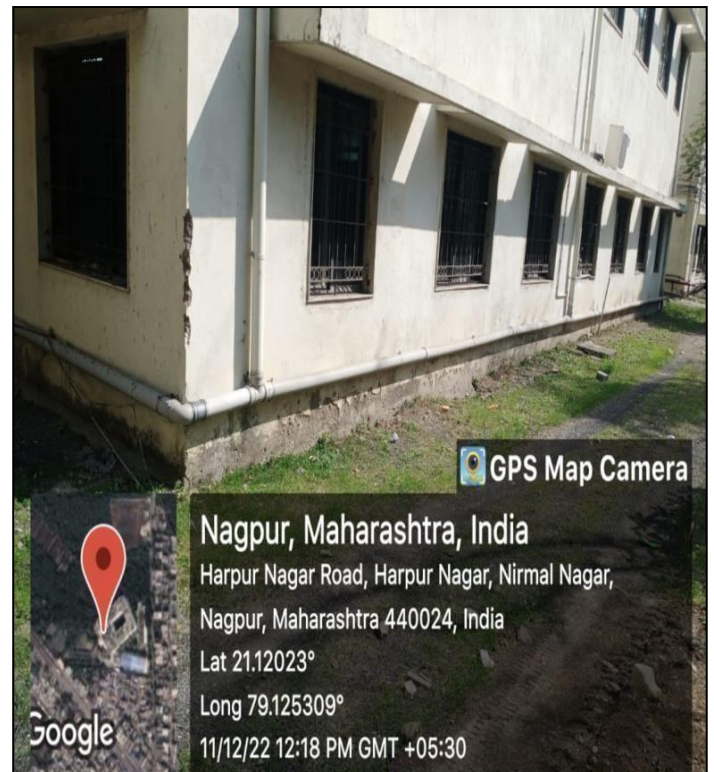
Our college has very good water distribution system to support all our water needs.

The water management plan is supported with the rain water harvesting and underground tank. The ground water is circulated to overhead tank through underground tank.

The rainwater is harvested to utilize this water for ground water recharging. This is very conventional method of storage of water.

The well is constructed inside the college. The overhead and underground water storage tanks are clean periodically and maintained by plumbers and civil maintenance people to take necessary action if required. From the underground tank, water is circulated and store in overhead tank with the help of machine.

The water from overhead tank is separately treated by RO machine and used for drinking purpose. The drinking water is supplied in both the wings A & B. A well-arranged water pipe line system is attached to the overhead water tanks to ensure the continuous supply of water in the college.



Rain Water Harvesting



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### 3. Bore well / Open well recharge



### RainWater Harvesting





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#### 4.Overhead Water Tank



Overhead Water Tank

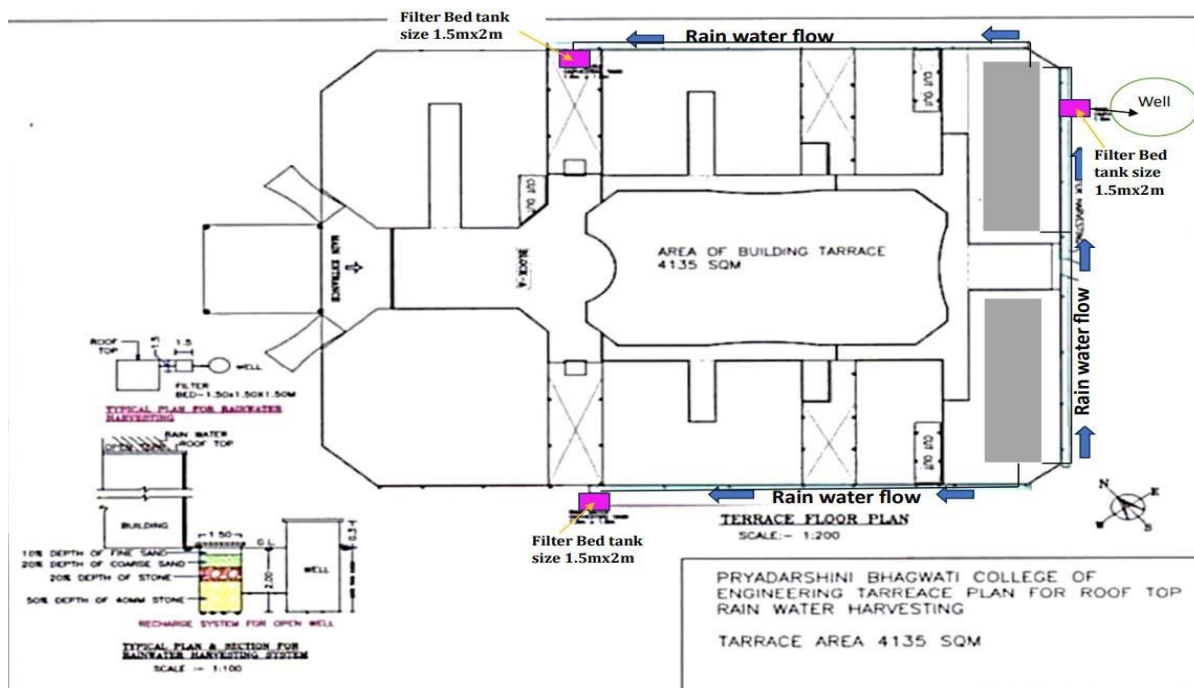


## Construction of tanks and bunds



## 5. Maintenance of water bodies and distribution system in the campus

### Architectural Plan, Elevations & Structural Details of College





## RAIN WATER HARVESTING PIPELINE NETWORK

