



Veerashaiva Vidyavardhaka Sangha's

PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY

T. B. DAM , HOSAPETE – 583 225 Vijayanagar District , Karnataka State

(Affiliated to V.T.U, Belagavi, Karnataka & Recognized by AICTE, New Delhi)

www.pdit.ac.in, email : principal@pdit.ac.in Ph No. 08394 259 521, 94802 19115

7.1.2.3: The institute has facilities and initiatives for water conservation

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T.B. Dam, HOSAPETE-583225.



ಪ್ರೌಢದೇವರಾಯ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ಹೊಸಪೇಟೆ.

ಷಾ ಭವರಲಾಲ್ ಬಾಬುಲಾಲ್ ನಹರ್ ಕ್ಯಾಂಪಸ್, ಟಿ.ಬಿ.ಡ್ಯಾಂ ರಸ್ತೆ, ಹೊಸಪೇಟೆ - 583 225. (ಕರ್ನಾಟಕ)

Ballari Veerashaiva Vidyavardhaka Sangha's

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Ph.: (08394) Principal : 259521, Chairman : 259241. Office - 258051, Fax : 08394 - 259653

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POLICY DOCUMENT OF WATER CONSERVATION

The Proudhadivaraya Institute of Technology to formulate Institute Policy on Water Conservation and Management. Basically, conserving water is an excellent way to save the environment and put off chores. Rainwater harvesting is one of the most efficient and effective ways of conserving water. It is more like the recycling of natural water.

This document covers the following:

1. Water Resources
2. Workshop/orientation Programme on Save Water Mission
3. Save water.
4. Benefits of Water conservation

Water Resources in the Institute:

- Bore well from where the water is drawn has yield of 250 liters per min
- Provision of reverse osmosis based purifier system / water filter & coolers which purifies the water for drinking purpose.
- For rain water harvesting, we have water recharge pits in the college campus.
- The excess rain water is recharged into the ground and hence the rain water doesn't get wasted.


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Save water:

1. Avoid leakage of water from the taps.
2. Turn the tap off when not in use especially when you brush your teeth or wash clothes.
3. Rainwater harvesting is another method to conserve water. The institute takes necessary precautions not to waste any drop of water received on its roof tops. Hence a detailed manual with protocol to be followed for harvesting the roof top rain water as well as recharging the bore wells with the excess runoff is being well documented and adopted..
4. The water supply should be limited in those areas which enjoy unlimited water supplies.

The benefits of Water conservation are:

- Saving money, environment and energy.
- Protecting the drinking water resources.
- Reduce or minimize the pollution and health problems.
- Reduce the need for new waste water treatment facilities.

How to Manage Water in College

Water conservation and management encompasses the policies, strategies and activities made to manage water as a sustainable resource, to protect the water environment, and to meet current and future human demand, these areas are usually associated with large population centers or agriculture, where water use is high.



ಬಳ್ಳಾರಿ ವಿಶ್ವವಿದ್ಯಾಲಯ ವಿದ್ಯಾವರ್ಧಕ ಸಂಘದ

Estd. : 1997

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Here are ways students can help conserve the world's most precious resource with little effort and no cost!

1. Bring a reusable water bottle /cups to dining halls to decrease the amount of cups that need to be washed.
2. Use of dishwasher instead of hand washing to use less running water.
3. Use "leftover" water from a drinking glass or from washing fruit and veggies to water plants
4. Water plants in the early morning/ late evening to decrease the amount of evaporation.
5. Have a leak or drip timely repaired.
6. Report leaks on campus and in your neighborhood workshop.
7. Rain water collected at the terrace should be either directed to the water harvesting pits or directed to the play field/garden.

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1. Leakage proof water distribution systems in the campus.

Proudhaidevaraya Institute of Technology Hosapete has a network of well-built, leakage proof water distribution system in the campus. It is used to disperse the water to wash rooms, laboratories, rest rooms etc. Water for these purposes is provided through a different set of overhead tanks of 1000Ltrs and 2000Ltrs capacity water head tanks.



Overhead tanks

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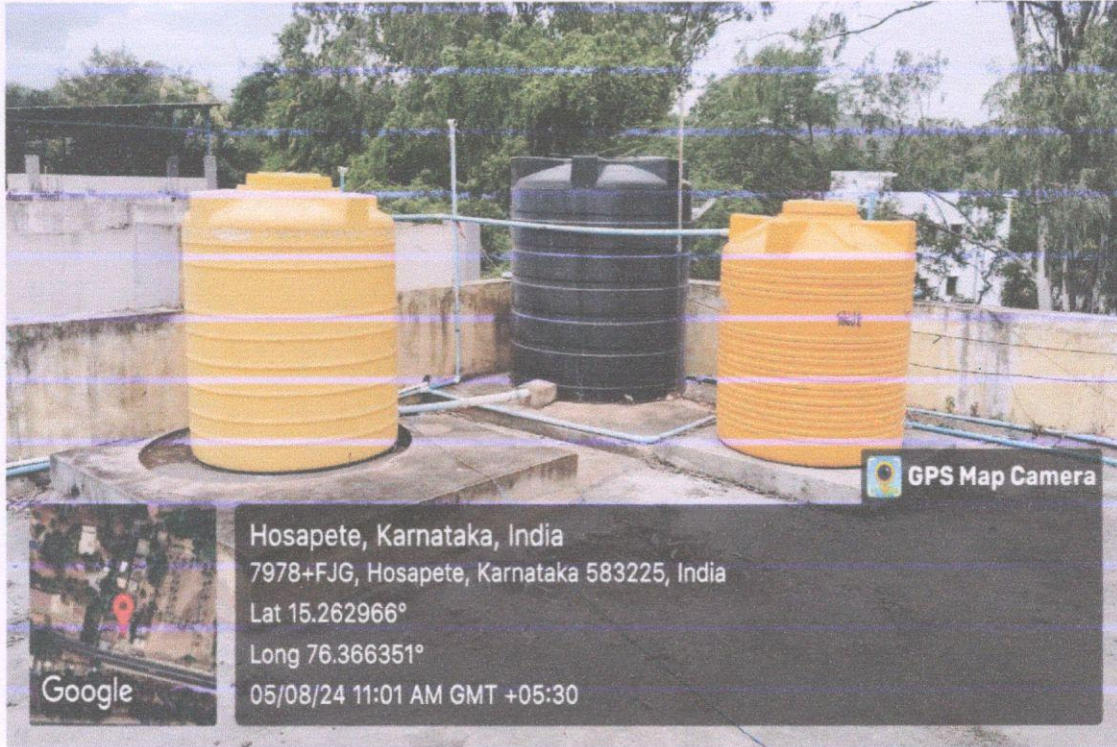
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Overhead tanks

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A.Sarvesha Reddy

CIVIL CONTRACTOR

Amaravathi, HOSPET - 583 201, Ballari Dist, Karnataka. Cell : 9448144508.

ASR-6/19

To,
The Chairman / Principal,
PDIT Collège,
HOSPET.

Date: 25-5-19

BILL

I here by submitting the bill for providing, placing and fixing the 3nos water tanks at various places at PDIT College, Hospet.

	Amount
<u>Providing, placing and fixing of water tanks with all necessary materials, labors and cleaning of water taps etc..</u>	
1. Providing, placing and fixing the 1000Ltrs water tank for mechanical department.	
2. Providing, placing and fixing the 2000Ltrs water tank for R.O water filter.	
3. Providing, placing and fixing the 2000Ltrs water tank for both Boys & Girls toilets.	
L.S	50,000.00
TOTAL	50,000.00

(Rupees Fifty Thousand Only)

Thanking you,
 Total Amt: 45,000/-
 Less: TDS-01/- 4,500/-
 Net Amount: 40,500/-

forwarded to
 Chairman Sir
 work is completed
 27/5/19

ch no: 517081/28-05-2019

Approved for (Rs 50,000/-) of
 fresh pipe layout
 July Job
 Forwarded to
 Chairman Sir, (A. Sarvesha Reddy)
 27/5/19
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Water tanks purchasing and plumbing work bill

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3. RO water filter unit in college campus.

Proudhadivaraya Institute of Technology Hosapete has a reverse osmosis (RO) water filtering unit in campus. It is important in colleges because it can provide clean and safe drinking water for students and staffs. RO water purifiers use a semipermeable membrane to filter impurities and contaminants from water, resulting in pure and fresh water with a lower concentration of dissolved solids.



RO water filter unit

4. Water conservation by creating awareness through posters/ stickers.

Proudhadivaraya Institute of Technology Hosapete has initiating water conservation by creating awareness in students and staffs. The Posters/stickers like “save water”, Don't waste water” are used for awareness creation.

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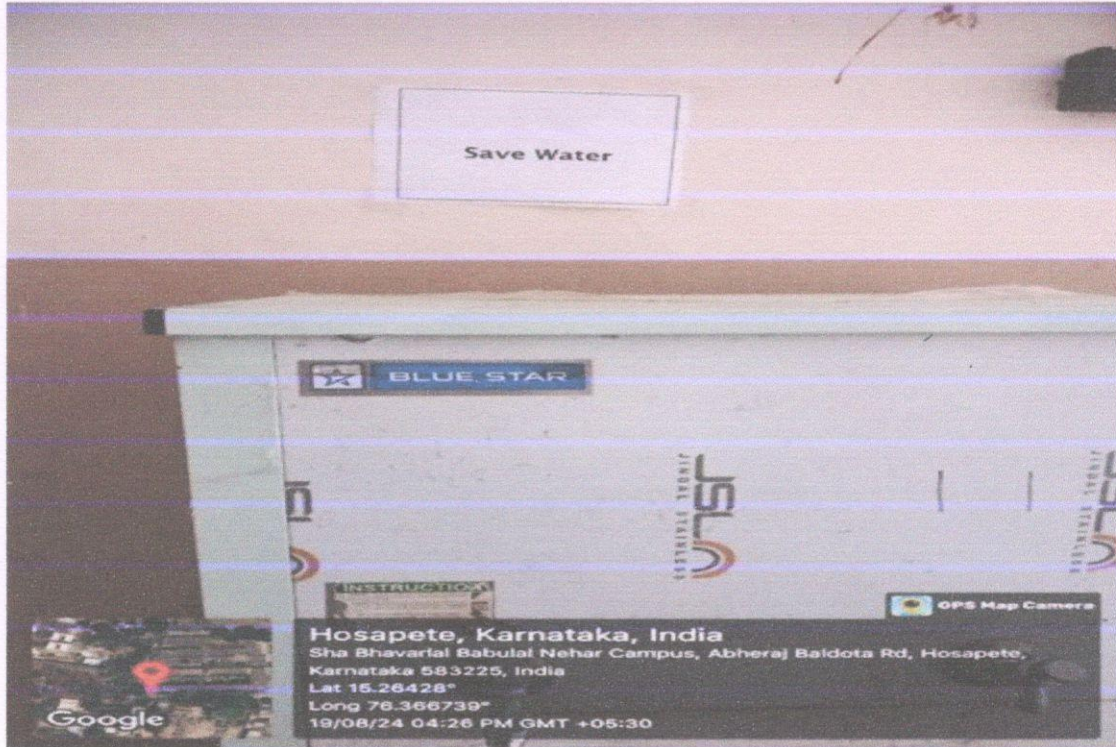
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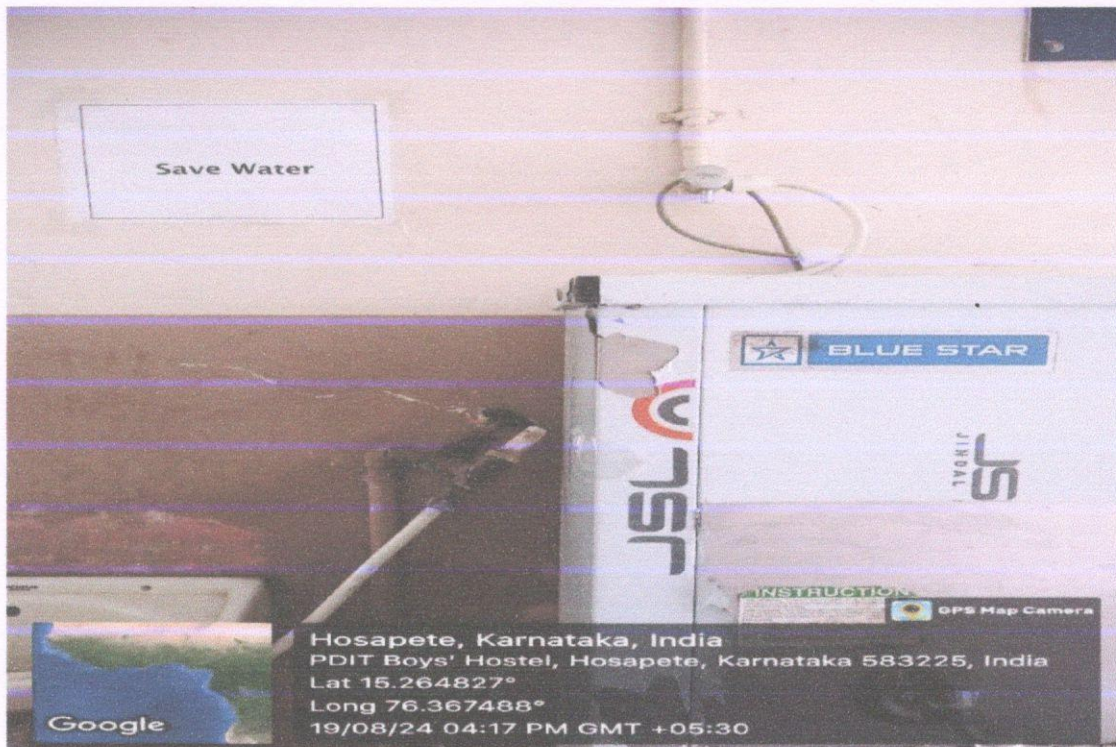
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Water conservation awareness poster “Save Water”



Water conservation awareness poster “Save Water”

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5. Bore well recharge arrangement in college campus.

Bore well recharge is environmental friendly way to recharge groundwater using harvested surface water. Hence Proudhavevaraya Institute of Technology Hosapete has initiating water conservation by creating 02 bore well recharge arrangement in college campus.



Bore well recharge arrangement

6. Rain water harvesting in College Boys hostel campus.

Proudhavevaraya Institute of Technology Hosapete has initiating water conservation through rain water harvesting in boys hostel campus.

The amount of rain water harvested = Roof area of hostel * 0.75

= 1445 Meters * 0.75 Runoff coefficient of concrete.

= 1084 Liters/month

1084 liters / 30 days per month

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Amount of rain water harvested = 36.13 Liters per day

Through pipes the rain water is collected to drinking water sump of size 18 feet* 18 feet* 08 feet.
The excess water is made to flow towards bore well recharge arrangement in boy's hostel.



Rain water harvesting in boys hostel.

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