

**GOVERNMENT DEGREE COLLEGE FOR WOMEN, BEGUMPET**

**HYDERABAD-500016**

**(Autonomous – Affiliated to Osmania University)**



**ECO CLUB REPORT**

**2017-18**

**World Environment Day- Rally**

World Environment Day was celebrated on June 6<sup>th</sup> 2017. Rally was inaugurated by the principal who gave an inspirational speech about the importance of environment. The teaching staff of life sciences and eco-club motivated and encouraged the students to plant saplings on this day.



### **MASS TREE PLANTATION**

Under the Telangana Harithaharam, a mass tree plantation was taken up by Eco club in collaboration with botany department on 11<sup>th</sup> July 2017 to 18<sup>th</sup> July 2017. Principal Dr.P.Rajini inaugurated this program by planting a sapling. Begumpet corporator B.Tharuni was invited. Saplings were supplied by GHMC.



## ECO CLUB ACTIVITIES 2017-2018

### World Environment Day- Rally

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## TELANGANAKU HARITHA HAARAM (July-11 to 18, 2017)



Faculty & Students participating in Plantation drive

The celebration of this day provides us with an opportunity to broaden the basis for an enlightened opinion and responsible conduct by individuals, enterprises and communities in preserving and enhancing the environment. In this context, Faculty and students are encouraged to actively participate in planting saplings.

## ECO FRIENDLY INITIATIVES

### Facilities for Alternative Sources of Energy and Energy Conservation

The Institution has facilities of alternative sources of energy and energy conservation such as:

- i. Solar Energy
- ii. Use of LED Bulb

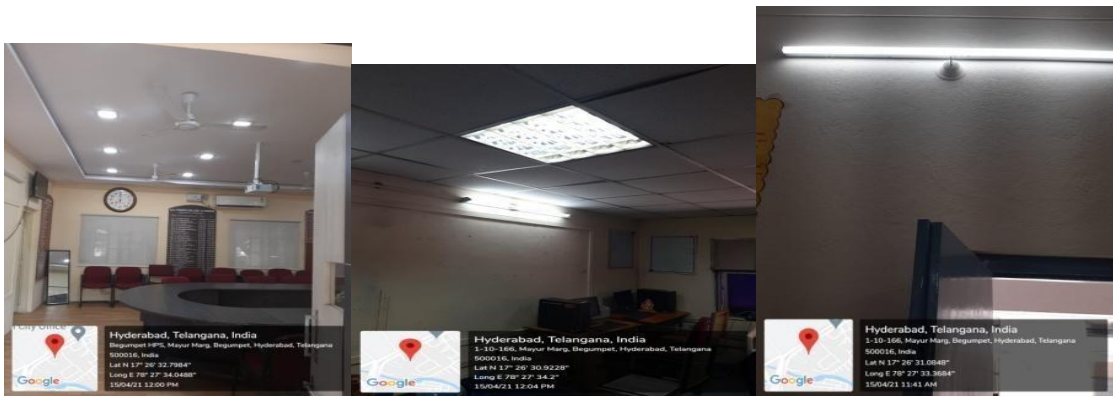
The institute received a grant from RUSA for installation of solar panels. Uniscan Power Systems installed 10 kw solar panels for supplying electric power to the college building. Due to this, approximately 8481kwh/year electricity is being saved.

Power requirement by renewable energy sources	Total power requirement	Renewable energy source	Renewable energy generated and used	Energy supplied to the ride
8481/Kwh/year	26890/ Kwh year	Solar	8481& 100% use	Nil

- i. The total energy consumption for the year Feb 2018 to Feb 2019 was 26890 kwh/year.
- iii. Power requirement met by renewable energy source is 8481 kwh/ year
- iv. Percentage of power requirement met by renewable energy sources = (Power requirement met by renewable energy sources / Total power requirement) X 100  
= (8481/26890) X 100 = **31.5%**



## Solar energy



### LED LIGHTS FOR POWER CONSUMPTION

## Water Conservation Facilities available in the institution

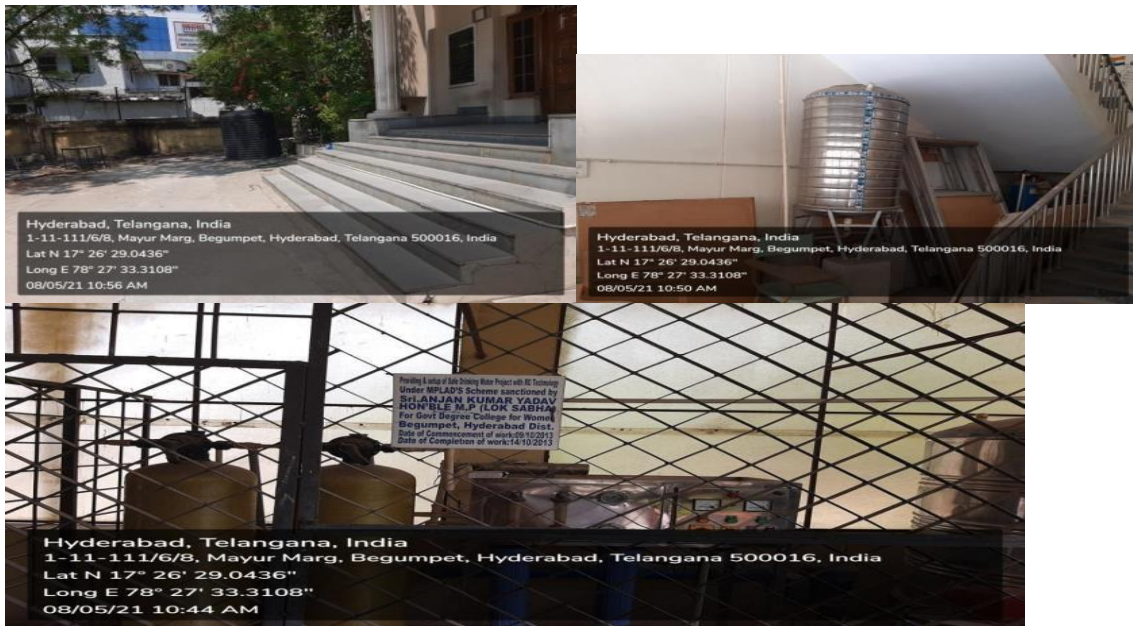
### 1. Rain water harvesting



## RAIN WATER HARVESTING PIT

### 2. Bore well

- i. Maintenance of water bodies and distribution system in the campus(photo)



Rain water harvesting is a necessary process to recharge the groundwater level. The institution takes initiatives to harvest the rainwater in the campus.

### Water harvesting pit

The college has the advantage of a slope in the middle of the college ground which makes possible the atomic storage and harvesting of the rain water.

Several awareness amongst the learners for rain water harvesting worldwater day is celebrated in the campus and rallies are conducted in the neighborhood to create awareness on saving water.

## MANAGEMENT OF DEGRADABLE AND NONDEGRADABLE WASTE

The College has designed methods for the management of biodegradable and non-



degradable waste generated on the campus using the basic waste management strategies of 3 Rs:

- ii. Reduce – the amount of waste generated
- iii. Reuse – everything to its optimum level after proper segregation and cleaning
- iv. Recycle – the things which are recyclable and handover to the appropriate agencies

The waste generated on the campus includes solid, liquid and e-waste which are of both degradable and non-degradable nature and chemical waste. No classified hazardous waste is generated on the campus. The environmental policy of the Institution is to minimize waste to protect the environment and boost sustainability of the environment. The technique adapted to minimizing waste is to find the source of creation and degrade the source of wastage. When reducing waste becomes difficult, proper agencies are found to recycle the waste. This makes the campus clean, hygienic and healthy.

## **Solid Waste Management**

Solid Waste Management is being given utmost importance and the waste is segregated before it is dumped. The nappy vending machines are provided to the students and pollution-free disposal of sanitary napkins is done through incinerators.

Every Lecture Room is provided with a waste paper collection box. The waste paper and newspapers thus collected are reused and recycled with the help of the BPCL Agency. Organic manure pit recycles organic waste from plants. Manure is utilized to enhance the greenery on the campus. To make the campus plastic-free the use of polythene and plastic is strictly prohibited in the college premises including the canteen. Awareness programmes are conducted on a regular basis by the NSS volunteers to use eco-friendly cloth and jute bags and quoting ‘Say No to Plastic Biodegradable waste includes food waste, vegetable peels and dry leaves from plants and canteen. Two separate bins are placed with sufficient distance and a truck is arranged to collect both the biodegradable and non-degradable waste materials and keep the campus clean.



## Vermicompost pit



## Liquid Waste Management

The Liquid Waste from the labs is directly disposed off through sewage to avoid hazardous effects on the environment. The Life Sciences Lab initiated the Green Chemistry / Eco Club Concept to avoid chemical hazards. Rain water from the terrace is directly drained into the trees and plants by a pipeline and reused to water the plants and rain harvesting pits. Proper drainage system is maintained to see that water does not get stagnated at corners or near the area where drinking water facilities are provided. RO Plant waste water is diluted and used for gardening and watering plants, etc.



**Waste water is used for gardening and watering Plants**

## E-Waste Management

E-waste or electronic waste is created when new laboratory facility is established

in the Institution. Electronic products such as computer mouse, keyboards, monitors, compact discs, printers, scanners, copiers, calculators, fax machines, battery cells, etc. are disposed of after the end of their useful life. The Institution has identified a few certified vendors – TSTSL – for e-waste disposal. The Institution got a Certificate / MoU from the vendor ensuring that e-waste will be disposed of as per the prevailing norms without harming the environment.



## **ECOFEST**

Botany Department, Microbiology & ECO CLUB organized Ecofest on 26-08-2017. In this program Rallies for awareness of environment protection, conservation of resources, waste management, etc were taken up. Dr.P.Rajini inaugurated the exhibition and gave informative suggestions. Students displayed compost preparation, biodegradable Ganesha, conservation of electricity and water, ill effects of fire crackers & synthetic holi colours, safe disposal of waste.



## RALLY FOR RIVERS

Students of Government Degree College for Women have actively participated In “RALLY FOR RIVERS” from Somajiguda to Police Line. THE Silent Rebellion was conducted by the members of rally for rivers on 31<sup>st</sup> August 2017.



## BIODIVERSITY EXHIBITION

Biodiversity exhibition was organized by ECO CLUB in collaboration with Botany, Microbiology departments. In this program final years of BZC & BCM participated and explained about the importance of Biodiversity and conservation.

