



## CONSOLIDATED REPORT ON ENVIRONMENTAL SUSTAINABILITY-WASTE MANAGEMENT, GREEN PRACTICES, WATER CONSERVATION, ENVIRONMENTAL CONCIIOUSNESS, TRIMANTATION & POWER-SAVING INITIATIVES BY COLLEGE.

### INITIATIVE FOR WASTE MANAGEMENT

The key activities of the College have very less impact on the environment as the College is very careful in generating low waste as possible.

The College has segregated its waste management into four parts:

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management

**Solid waste management:** The solid waste is collected and dispersed in respective dustbin green (biodegradable) and blue (non-biodegradable) which is further dispersed in solid waste pit inside campus, which is further daily picked up by City Municipal Corporation, Durg.

**Liquid waste management:** Liquid waste generated is of two types: Sewage and from Canteen, which is collected into concealed underground concrete septic tanks, which is passed to main drainage system provided by the municipal corporation. While liquid waste from canteen is collected in the Liquid Waste Pit.

**Biomedical waste management:** The major biomedical waste generated is 'used sanitary pads' which is disposed off by Incinerator.

**E-waste management:** Old/obsolete Computer systems, memory chips, motherboards, compact discs, irreparable cartridges etc generated by electronic equipment is collected and disposed at marked location, designated for 'E-waste' inside the Campus. The cartridges of printers are refilled and reused. UPS Batteries are repaired and reused.

**Water recycling system:** As of now, the College doesn't have any water recycling system however the facility proposal is under consideration and may soon materialize.

**Hazardous chemical and radioactive waste management:** The College neither has the requisite license Jr handles any sort of hazardous chemical or radioactive material.

### INITIATIVES FOR GREEN PRACTICES

**Students, staff using Bicycles, Public Transport, Pedestrian friendly roads:** Many among Staff and Students either use Bicycles or Public transport system to commute to the College. The road construction inside the College Campus is such that on both sides of the road enough walking space is provided for the Pedestrians. Concrete footpaths are also constructed for providing convenience to the pedestrians.

**Plastic free Campus:** Single use plastics are completely banned in the College. Polyethene bags of less than 50 microns thickness are strictly not allowed in the College Campus.

**Paperless Office:** Usage of paper on campus is minimized and printing is done on both sides of the paper. Maximum communication within departments and between departments and students is made through e-mails and other digital and social media channels.

**Green landscaping with trees and plants:** College Campus has several species of plants including herbs, shrubs and big shady trees. This provides home to natural flora for the birds. College campus has tried for creating a natural environment habitat outdoors combined with well-ventilated

indoors. Climate control measures like good shading, sufficient day-lighting, proper ventilation and adequate cooling have been considered in architectural design of the College built-up plan, thus enabling the College building to have natural cooling during summer. The College has created two groups of students namely, 'Kasturba Samuh' and 'Green Army', each comprising of 50 students, dedicated towards greenery and cleanliness of College campus. Kasturba Samuh takes care of the cleanliness and hygiene inside and outside the College Campus while the Green Army takes care of plantation of saplings, trees and maintenance of planted trees and shrubs. A monthly 'Green Audit' is also done in the College Campus which supervises the green landscaping activities inside the Campus. Proper Record is maintained for the Green Audit inside the College campus. The College has also created another group called 'Aqua Club' comprising of 50 girl students. The Aqua Army takes care of drinking water hygiene and round the clock availability of hygienic drinking water in the College Campus.

#### **INITIATIVES FOR WATER CONSERVATION / RAIN WATER HARVESTING**

The College has rainwater harvesting facility comprising of a network of rain water drainage PVC pipes which collects every ounce of rain water falling on the roof tops of the buildings in the College. The rain water collected through these PVC drainage pipes is channelized to a large Soak-pit/ Drain pit built inside the campus. The soil available in the College is red soil which has a great soaking capacity. 50% of College Campus is non-concrete and act as rain water basin as well as a drain-pit/soak-pit. This system renews/recharge the bore well not only of the College but of the surrounding area too. Drain pit built in College is used to soak the rain water and recharge the groundwater table. The huge volume of rainwater from the roof is collected and is used for ground water level improvement and for improving the water level. The College emphasizes on the significance of water conservation and explains to all the students the importance of preserving and saving it. Students are encouraged to use water wisely and only when necessary. They also act immediately upon witnessing any wastage and take necessary action to stop it. One of the ways of preserving water in the College is rain water harvesting.

#### **INITIATIVES FOR ENVIRONMENT CONCIIOUSNESS**

1. Stickers displayed at various sites in the Campus and formation of Aqua Club to spread awareness for water conservation.
2. Green landscaping and plantation of saplings in the Campus by Green Army Kasturba Samuh formed by the College committee.
3. Stickers displayed at various sites in the Campus to spread awareness for tree conservation and promotion of greenery.
4. Several activities have been organized to sensitize the students and staff for environmental consciousness and sustainability.



S.2  
Principal  
Govt. Dr. W. W. Patankar  
Girls P.G. College Durg (C.G.)



# GOVT. DR. W.W. PATANKAR GIRLS P.G. COLLEGE, DURG (C.G.)

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## Criteria-7 Institutional Values and Best Practices

Metric No.	7.1 Institutional Values and Social Responsibilities	Documents enclosed
7.1.2	The Institution has facilities for alternate sources of energy and energy conservation measures	<ul style="list-style-type: none"><li>• Compiled document contacting usage of LED bulb/power efficient equipment.</li></ul>



  
Principal  
Govt. Dr. W. W. Patankar  
Girls P.G. College Durg (C.G.)



Durg, 5 Banglows, Titurdiha, Chhattisgarh 491001, India

Latitude 21.187880000000003° Longitude 81.29721166666667°

Local 04:02:00 PM Altitude 271.5 meters  
GMT 10:32:00 AM Tuesday, 29-03-2022

Note : Captured by GPS Map Camera Lite



Durg, 5 Banglows, Titurdiha, Chhattisgarh 491001, India

Latitude 21.187881666666666° Longitude 81.297175°

Local 04:02:22 PM Altitude 264.8 meters  
GMT 10:32:22 AM Tuesday, 29-03-2022

Note : Captured by GPS Map Camera Lite

