



# BEHALA COLLEGE

(UNDER GRADUATE & POST GRADUATE COLLEGE)

GOVERNMENT SPONSORED

Parnashree, Kolkata - 700060 Phone: (033) 2406-9714

E-mail: [behalacoll60@yahoo.com](mailto:behalacoll60@yahoo.com) Website: [www.behalacollege.in](http://www.behalacollege.in)

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Date.....

## ENERGY AUDIT REPORT 2018-19

OF

BEHALA COLLEGE

KOLKATA

Principal  
Behala College  
Parnashree, Kolkata-700060



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| ENERGY<br>MANAGEMENT | usage.   | college, but to ensure a further minimal rate and placards are set up in the college premise.  |
|                      | Rainwater Harvesting   | There are one underground water tanks with the capacity of 4000 Lit for Rainwater Harvesting. The use of total collection of rain water for gardening and cleaning is 60,000 liters. Management is planning to setup another two more rainwater harvesting Tank. |
|                      | Install water recycling mechanism.   | Yet, no such mechanism is adopted.   |
|                      | Appreciate that it is preferable to purchase electricity from a company that invests in new sources of renewable and carbon-neutral electricity. | The college does not have any choice other than CESC for electric supply. The college also has 62.5 KV ecofriendly generators for the supply of emergency electricity to save our ecosystem. The details are given in <i>Annexure 2</i> .                        |
|                      | Look into the possibility of on-site micro-generation of renewable electricity.  | The Institute has installed a 1 KW solar power plant consisting of twenty numbers of "Solar Panels", where 06 panels are of 150 watt-peak each on the rooftop in "A" Block.  |
|                      | Give preference to the most energy   | The college is using a few CFL and   |

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| efficient and environmentally sound appliances available, this includes energy-saving light bulbs, refrigerator, A.C machine, water cooler, monitors, printers, zerox machine etc. | more LED lights as much as practicable. Institute purchases "Star Rated" electrical appliances (Refer to <i>Annexure 3</i> ) such as refrigerator, A.C machine, water cooler etc., to minimize the energy consumption and maintain carbon neutrality of the environment. Institute has proposed to replace most of the resistance regulator, CRT monitors and DOT matrix printers by electronic regulators, LCD monitors and Deskjet/Laser printers, respectively. Institute has already installed 360 LCD- computers (i.e. 90% of CRT monitors are replaced by LCD/ LED monitors). Moreover, in this academic year two zerox machines (Canon, Image Runner Advance, Model No. HWJ-27340, and Power Consumption 1.5 kWh) that are operated on low power consumption are installed. The details of electrical appliance i.e. AC, <i>Freezer</i> , and <i>Water Cooler</i> are given in <i>Annexure 3</i> (Table no 3, 4, & 5). |
| Encourage staff, students and conference guests to save energy through visible reminders, incentives and information to  | Yes, the college has put several posters and reminder notes in classrooms and other relevant places to turn off electric appliances when  |

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|              | increase awareness. This particularly concerns turning off electrical appliances when not in use   | not in use.   |
|              | Monitor and understand the importance of different sources of college energy consumption.  | The college tries to put the main switch off when there is no need of electricity.  |
|              | Ensures that all electronic and electrical equipments, such as computers, are switched off when not in use and is generally configured in power saving mode when such option is available. | It is practiced.  |
| GREEN CAMPUS | Establish a Garden in the campus   | College has 155 mature trees covering all the sides of the Institute boundary and existing number of herb/shrub plants are 3900 (Approx) in 2018-2019 academic year.                |
|              | Encourage the faculties and students to plant trees in the garden.   | The college celebrates 5 <sup>th</sup> June, as 'Environment Day' as well as an annual tree plantation program in the campus where students and teachers plant trees in the campus. |
|              | Minimize the use of fertilizers and pesticides in college grounds, opting  | College maintain a vegetable garden using organic manure. Pisci Culture is  |

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