

Environment Audit Certificate *(As per Green Building Parameters)*

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2022-2023 and 2023-2024** to the Esteemed Institution
(Analysed for 2 years and extended validity for 1 year, thus total 3 years)

Bharathidasan Government College for Women (Autonomous)

Mahatma Gandhi Road, Muthialpet,
Puducherry-605003

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Environment Protection and Conservation.

Issued on **26 April 2024** and valid till **31 March 2025**

Nahida
Ar. Nahida Abdulla Shaikh

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As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted. We appreciate the immense efforts taken by Staff and students towards the Efficient Management of premises.

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ENERGY AUDIT

STUDY PERIOD (TWO YEARS) 2022 - 2023 & 2023 - 2024

Sustainability study
AUDIT REPORT

Studied for
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Disclaimer

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The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase wise or as a whole depending on the decision taken by the internal team. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

The audit is a thorough study based on the inspection and investigation of data collected over a period of time and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com

Introduction

About the Institute

The Institute proposes "Value based education, self-confidence and commitment to society."

The Institute adheres "To collect, communicate, conserve and convert knowledge."

About the Energy audit

The following documentation is based on the consumption practice of the premises on a regular working day.

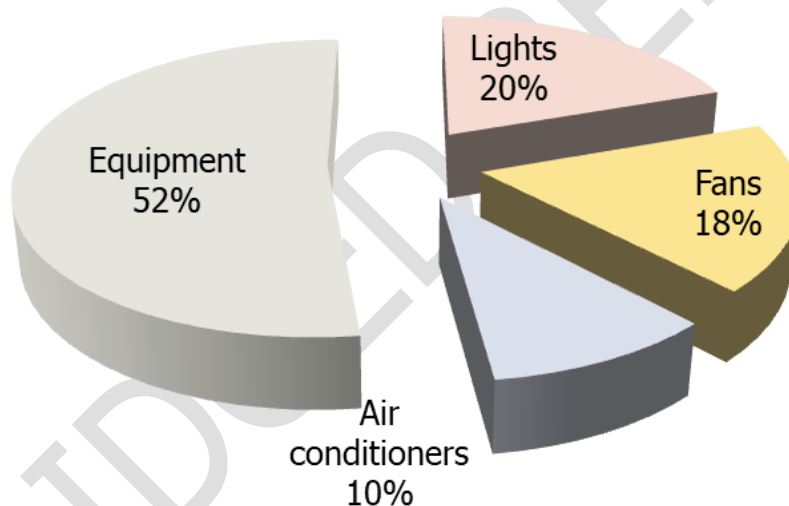


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that equipment consume 52% whereas the lights consume 20% while the fans consume 18% and the air conditioners consume 10% of the total calculated electrical energy.

ENVIRONMENT AUDIT

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A flora survey to identify the total numbers of plants and trees by internal team as documented below displays the varieties of the plantations.

S. No.	Plant name	Type
1	<i>Polyalthia Longifolia</i>	Tree
2	<i>Delonix Regia</i>	Tree
3	<i>Pongamia Pinnata</i>	Tree
4	<i>Ficus Species</i>	Tree
5	<i>Clerodendrum Inerme</i>	Shrub
6	<i>Cycas Species</i>	Shrub
7	<i>Nerium Oleander</i>	Shrub
8	<i>Hibiscus Rosa Sinensis</i>	Shrub
9	<i>Ixora Coccinea</i>	Shrub
10	<i>Cassia Fistula</i>	Tree
11	<i>Quazuma Tomentosa</i>	Tree
12	<i>Calophyllum Inophyllum</i>	Tree
13	<i>Chlorophytum Comosum</i>	Herb
14	<i>Dypsis Lutescens</i>	Shrub
15	<i>Sterculia Foetida</i>	Tree
16	<i>Mangifera Indica</i>	Tree
17	<i>Anthurium Hookeri</i>	Herb
18	<i>Euphorbia Milii</i>	Herb
19	<i>Phyllanthus Reticulatus</i>	Shrub

20	<i>Millingtonia Hortensis</i>	Tree
21	<i>Ficus Religiosa</i>	Tree
22	<i>Ficus Recemosa</i>	Tree
23	<i>Adenantha Pavnina</i>	Tree
24	<i>Hemelia Patens</i>	Shrub
25	<i>Khaya Senegalensis</i>	Tree
26	<i>Duranta Erecta</i>	Shrub
27	<i>Punica Granatum</i>	Shrub
28	<i>Aegle Marmelos</i>	Tree
29	<i>Caesalpinia Pulcherrima</i>	Shrub
30	<i>Codiaeum Variegatum</i>	Shrub
31	<i>Pisonia Alba</i>	Shrub
32	<i>Terminalia Species</i>	Tree
33	<i>Murray Exotica</i>	Shrub
34	<i>Syzygium Cumini</i>	Tree
35	<i>Terminalia Bellirica</i>	Tree
36	<i>Bauhinia Purpurea</i>	Tree
37	<i>Cocus Nucifera</i>	Tree
38	<i>Artabotrys Odoratissimus</i>	Shrub
39	<i>Spathodea Campanulata</i>	Tree
40	<i>Adhatoda Vasica</i>	Shrub
41	<i>Alangium Salvifolium</i>	Tree
42	<i>Asparagus Racemosus</i>	Herb
43	<i>Madhuca Indica</i>	Tree
44	<i>Pavetta Indica</i>	Shrub
45	<i>Phyllanthus Acidus</i>	Shrub
46	<i>Manilkara Zapota</i>	Shrub
47	<i>Enterolobium Saman</i>	Tree
48	<i>Pritchardia Pacifica</i>	Tree
49	<i>Tectona Grandis</i>	Tree
50	<i>Peltophorum Pterocarpum</i>	Tree
51	<i>Psidium Guajava</i>	Tree

52	<i>Annona Squamosa</i>	Shrub
53	<i>Casuarina Equisetifolia</i>	Tree
54	<i>Justicia Gendarussa</i>	Shrub
55	<i>Aglaonema Commutatum</i>	Herb
56	<i>Pedilanthus Tithymaloides</i>	Herb
57	<i>Gmelina Arborea</i>	Tree
58	<i>Scilla Species</i>	Shrub
59	<i>Dracaena Species</i>	Shrub
60	<i>Citrus Medica</i>	Tree
61	<i>Diospyros Ebenum</i>	Tree
62	<i>Andrographis Paniculata</i>	Herb
63	<i>Mimusops Elengi</i>	Tree
64	<i>Oreodoxa Regia</i>	Tree

Table 1: Details of the Flora in the premises

At present there are more than **178 numbers of plantations** confined to the campus.

GREEN AUDIT

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About the Green practices audit

The details of the **environmental activities** conducted as part of the extension initiatives by the Institute documented below:

S. No.	Name of the event	Date
1.	Swachh Sagar Surakshit Sagar Campaign	27.08.2022
2.	International Coastal cleanup Day – Puneet Sagar Abhiyan at Auroville Beach, Puducherry	17.09.2022
3.	World Tourism Day – Puneet Sagar Abhiyan	01.10.2022
4.	Puneet Sankalp – to prevent spread of plastic pollution and support puneet sagar abhiyan	20.10.2022
5.	Mission Life (Lifestyle for the Environment) – Online Pledge	1.11.2022
6.	Beach cleaning	23.11.2022
7.	Tree plantation	28.11.2022
8.	Tree plantation in NCC Unit. 12 cadets participated.	2 to 4.02.2023
9.	Beach cleaning at shirinity beach, Puducherry– 10 cadets participated.	21.02.2023
10.	Ocean sailing Expedition in Thengaithittu, Puducherry	02.06.2023
11.	Global seed ball campaign launch	21.07.2023
12.	Swachh Bharath Abhiyan	26.11.2023
13.	Fit India Amrit Sarovar – Kanniakovil(Thamaraikulam), Thoandamanantham(Eratakulam), Veerampatinam (Theerthakulam)	25.12.2023

Table 1: Details of the environmental initiatives undertaken by Institute

