

ENVIRONMENT AUDIT

STUDY PERIOD (TWO YEARS) 2020-2021 AND 2021-2022

Sustainability study

AUDIT REPORT

Studied for

Pingla Thana Mahavidyalaya

Maligram, Pingla, 721140,
West Bengal, India

Studied in the capacity of

An accredited & Certified Green Building Professional



Studied by

Valid till December 2023

Disclaimer

The Audit Team has prepared this report for the **Pingla Thana Mahavidyalaya** located at Maligram, Pingla, 721140, West Bengal, India based on input data submitted by the College analysed by the team to the best of their abilities.

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 Hon'ble Management and College. 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 Pingla Thana Mahavidyalaya

The College is located in purely a rural setting at Maligram, in the south-east region of Paschim Medinipur and possesses an illustrious history of continuous development since its very inception.

The College acquired the privilege of affiliation initially from the University of Calcutta for imparting three year degree courses in Arts and Commerce stream. Subsequently, the college was affiliated to Vidyasagar University, Medinipur in the year 1985.

The extension of affiliation in new courses has led the almatrater to win the distinction of being one of the few pioneering degree colleges not only in Paschim Medinipur, but also in the national scale. **The College is advancing with the effective endeavour to translate its mission and goal as a “Model Rural College.”**

Assessment of the Institute

- ➔ The Institute is affiliated to **Vidyasagar University** which was established by an Act of the West Bengal legislature which was notified in the Calcutta Gazette on 24 June 1981. It is an affiliating university in Paschim Medinipur district of southern West Bengal, India.
- ➔ ISO 9001 – Quality Management Systems
- ➔ ISO 14001 – Environment Management Systems

Total College Area & College Building Spread Area

The **total site area is 25.76 acres** and the **total Built-up area of the Institute is 6,71,260 sq. ft.** for an approximately 2,089 footfalls.

Environment Audit

A flora survey was carried out to identify the total numbers of plants and trees.

S. No.	Plant name	Type	Nos.
1	<i>Michelia Champasa</i>	Tree	2
2	<i>Araucaria Columnaris</i>	Tree	4
3	<i>Cycas Revoluta</i>	Tress	11
4	<i>Ixora Sp.</i>	Shrub	192
5	<i>Croton Sp.</i>	Shrub	Many
6	<i>Dracaena Reflexa</i>	Herb	15
7	<i>Thuja Occidentales</i>	Tree	31
8	<i>Allamanda Cartartica</i>	Shrub	10
9	<i>Tecoma Sp.</i>	Tree	30
10	<i>Nyctanthes Sp.</i>	Tree	2
11	<i>Mangifera Indica</i>	Tree	25
12	<i>Nerium Oleander</i>	SHerb	1
13	<i>Dypsis Lutescence</i>	Tree	22
14	<i>Strelitzia Sp.</i>	Herb	2
15	<i>Heliconia Sp.</i>	Herb	3
16	<i>Alstonia Scholaris</i>	Tree	3
17	<i>Eucalyptus Globosus</i>	Tree	35
18	<i>Acacia Auriculiformis</i>	Tree	40
19	<i>Cocos Nucifera</i>	Tree	22
20	<i>Artocarpus Heterophyllus</i>	Tree	10
21	<i>Ficus Religiosa</i>	Tree	6
22	<i>Manikara Zapota</i>	Tree	6
23	<i>Ravenala Madagascariensis</i>	Tree	5
24	<i>Scoparia Dulsis</i>	Herb	Many
25	<i>Moringa Oleifera</i>	Tree	2
26	<i>Tabernaemontana Divaricta</i>	Shrub	505
27	<i>Azadrirachta Indica</i>	Tree	37

28	<i>Lagerstroemia Speciosa</i>	Tree	4
29	<i>Swietenia Mahogoni</i>	Tree	21
30	<i>Annona Squamosa</i>	Tree	2
31	<i>Opuntia</i>	Shrub	8
32	<i>Agave Americana</i>	Herb	10
33	<i>Mimusops Elengi</i>	Tree	4
34	<i>Casuarina Equisetofolia</i>	Tree	3
35	<i>Citrus Sp.</i>	Shrub	26
36	<i>Tamarindus Indica</i>	Tree	11
37	<i>Phyllanthus Acidius</i>	Tree	Many
38	<i>Psidium Guajava</i>	Tree	23
39	<i>Jasminum Sambse</i>	Tree	2
40	<i>Gardenia Jasminoides</i>	Tree	2
41	<i>Aralia Elata</i>	Tree	6
42	<i>Tectona Goandis</i>	Tree	29
43	<i>Dalbergia Sissoo</i>	Tree	2
44	<i>Borassus Flabellifer</i>	Tree	2
45	<i>Ananas Comosus</i>	Herb	2
46	<i>Ocimum Sanctum</i>	SHerb	200
47	<i>Abroma Angustum</i>	Tree	4
48	<i>Murraya Koenigii</i>	Tree	7
49	<i>Ficus Benghalensis</i>	Tree	1
50	<i>Olenlandia Corymbosa</i>	Herb	Many
51	<i>Euphorbia Hirta</i>	Herb	Many
52	<i>Phyllanthus Niruri</i>	Herb	Many
53	<i>Cynodon Dactylon</i>	Herb	Many
54	<i>Tridax Procumbense</i>	Herb	Many
55	<i>Bambusa Sp.</i>	Tree	Many
56	<i>Lantana Camera</i>	Shrub	30
57	<i>Mikania Sp.</i>	Herb	Many
58	<i>Terminalia Arjuna</i>	Tree	2

59	<i>Terminalia Chebula</i>	Tree	1
60	<i>Terminalia Belerica</i>	Tree	1
61	<i>Eupatorium Odoratum</i>	Herb	Many
62	<i>Acalypha Indica</i>	Herb	Many
63	<i>Rauvolfia Tetraphylla</i>	Herb	10
64	<i>Mussenda Sp.</i>	Shrub	2
65	<i>Wodyetia Bifurcata</i>	Tree	141
66	<i>Areca Catechu</i>	Tree	38
67	<i>Rosa Sp.</i>	Shrub	210
68	<i>Dypsis Lutescens</i>	Tree	4
69	<i>Beaucarnea Recurvata</i>	Tree	3
70	<i>Indigofera Tinctoria</i>	Herb	Many
71	<i>Catharanthus Roseus</i>	Herb	30
72	<i>Aloe Vera</i>	Herb	6
73	<i>Rio Discolor</i>	Herb	20
74	<i>Cissus Quardrangularis</i>	Herb	4
75	<i>Cinnamomum Tamala</i>	Tree	6
76	<i>Cinnamomum Verum</i>	Tree	5
77	<i>Curcuma Longum</i>	Herbs	50
78	<i>Curcuma Amada</i>	Herbs	10
79	<i>Zingiber Officinalis</i>	Herbs	100
80	<i>Pyrus Malus</i>	Tree	4
81	<i>Andrographis Paniculata</i>	Herbs	40
82	<i>Cestrum Nocturnum</i>	Shrubs	15
83	<i>Bryonia Dioica</i>	Herbs	15
84	<i>Selenicereus Undatus</i>	Herbs	4
85	<i>Murraya Paniculata</i>	shrubs	25

Table 1: Details of the Flora in the premises

At present there is more than 2,166 and more number of plantations comprising of plants, trees, shrubs.

⇒

