

ENVIRONMENT AUDIT

2019-20 & 2020-21

AUDIT REPORT

Studied for

Karnataka Rashtriya Education Society's

**Karnatak Arts, Science
and Commerce College, Bidar**

Hyderabad Road, Bidar (Karnataka), India - 585 401

Analysed by



29 April 2022

Disclaimer

The Audit Team has prepared this report for the **Karnataka Rashtriya Education Society's Karnatak Arts, Science and Commerce College, Bidar** located at Hyderabad Road, Bidar (Karnataka), India - 585 401 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.

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Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

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Introduction

About the Karnataka Rashtriya Education Society

It was established in 1942. It is the master mind of Shri R.V. Bidap who founded the Society under the name of "Karnatak Rashtirya Education Society Bidar", its aim is to:

- To establish, run, maintain and expand various types of educational institutions and ancillary establishments including hostels libraries.
- To organize mobile libraries, clubs or academic interest and take steps to spread adult education especially in backward classes.
- To organize and conduct cultural activities
- To create K.R.E. Society's trust vesting all immobile assets of the society in it.

Assessment of the College

NAAC - The following are details of the accreditation of the College.

Cycle	First	Second	Third
CGPA	-	3.05	3.24
Grade	B+	A	A
Year	2004	2012	2017

Table 1: NAAC Accreditation details of the Institute

Total College Area & College Building Spread Area

The **total site area is 5.1 Acres** and the **total Built-up area of College is 81,085 sq. ft.** for a **total of 2,157 footfalls.**

Environment Audit

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

S. No.	Plant Name	Botanical name
1	<i>Azadirachta indica</i>	<i>Meliaceae</i>
2	<i>Pongamia pinnta</i>	<i>Fabaceae</i>
3	<i>Simarouba glauca</i>	<i>Simaroubaceae</i>
4	<i>Terminalia catappa</i>	<i>Combretaceae</i>
5	<i>Basella alba</i>	<i>Basellaceae</i>
6	<i>Passiflora edulis</i>	<i>Passifloraceae</i>
7	<i>Tinospora cardifolia</i>	<i>Minispermiceae</i>
8	<i>Muntangia calabura</i>	<i>Muntiginaceae</i>
9	<i>Casuarinas equisetifolia</i>	<i>Casuarinaceae</i>
10	<i>Citrus medica</i>	<i>Rutaceae</i>
11	<i>Syzygium samarangense</i>	<i>Myrtaceae</i>
12	<i>Phyllanthus embalica</i>	<i>Phyllanthaceae</i>
13	<i>Averrhoa carambola</i>	<i>Oxyladaceae</i>
14	<i>Datura metal</i>	<i>Solanaceae</i>
15	<i>Tribulus terrestris</i>	<i>zygophyllaceae</i>
16	<i>Aegle marmelos</i>	<i>Rutaceae</i>
17	<i>Bumbusa vulgaris</i>	<i>poaceae</i>
18	<i>Ficus krishne</i>	<i>Moraceae</i>
19	<i>Ficus bengalansis</i>	<i>Moraceae</i>
20	<i>Pterocarpus santalinus</i>	<i>Fabaceae</i>
21	<i>Ocimum santum</i>	<i>Lamiaceae</i>
22	<i>Roystonea regia</i>	<i>Arecaceae</i>
23	<i>Ficus benjamina</i>	<i>Moraceae</i>
24	<i>Cycas revoluta</i>	<i>Cycadaceae</i>
25	<i>Artocarpus heterophyllus</i>	<i>Moraceae</i>
26	<i>Annona reticuleta</i>	<i>Annonaceae</i>
27	<i>Glycyrrhiza glabra</i>	<i>Fabaceae</i>
28	<i>Syzygium cumini</i>	<i>Myrtaceae</i>

29	<i>Punica granatum</i>	<i>Lythraceae</i>
30	<i>Senegalia catechu</i>	<i>Fabaceae</i>
31	<i>Butea monosperma</i>	<i>Fabaceae</i>
32	<i>Calatropis gigantea</i>	<i>Apocynaceae</i>
33	<i>Calatropis procera</i>	<i>Apocynaceae</i>
34	<i>Madhuca longifolia</i>	<i>Sapotaceae</i>
35	<i>Morus alba</i>	<i>Moraceae</i>
36	<i>Eucalyptus lanceolata</i>	<i>Myrtaceae</i>
37	<i>Psidium guajava</i>	<i>Myrtaceae</i>
38	<i>Cocos nucifera</i>	<i>Areaceae</i>
39	<i>Aloe vera</i>	<i>Asphodelaceae</i>
40	<i>Magnolia champaca</i>	<i>Magnoliaceae</i>
41	<i>Bauhinia racemosa</i>	<i>Fabaceae</i>
42	<i>Polyalthia longifolia</i>	<i>Annonaceae</i>
43	<i>Sauropus androgynus</i>	<i>Phyllanthaceae</i>
44	<i>Bryophyllum pinnatum</i>	<i>Crassulaceae</i>
45	<i>Gymnema sylvestre</i>	<i>Apocynaceae</i>
46	<i>Jasminum grandiflorum</i>	<i>Oleaceae</i>
47	<i>Ocimum tenuiflorum</i>	<i>Lamiaceae</i>
48	<i>Agave americana</i>	<i>Asparagaceae</i>
49	<i>Hibiscus rosa-sinensis</i>	<i>Malvaceae</i>
50	<i>Tradescantia spathacea</i>	<i>Commelinaceae</i>
51	<i>Araucaria columnaris</i>	<i>Araucariaceae</i>
52	<i>Adhatoda zeylanica</i>	<i>Acanthaceae</i>
53	<i>Canna indica</i>	<i>Cannaceae</i>
54	<i>Vitex negundo</i>	<i>Lamiaceae</i>
55	<i>Thuja occidentalis</i>	<i>Cupressaceae</i>
56	<i>Dracaena</i>	<i>Asparagaceae</i>
57	<i>Albizia lebbeck</i>	<i>Fabaceae</i>
58	<i>Ficus racemosa</i>	<i>Moraceae</i>
59	<i>Achyranthes aspera</i>	<i>Amaranthaceae</i>
60	<i>Ficus religiosa</i>	<i>Moraceae</i>
61	<i>Senegalia ferruginea</i>	<i>Fabaceae</i>

62	<i>Cynodon dactylon</i>	<i>Poaceae</i>
63	<i>Eragrostis cynosuroides</i>	<i>Poaceae</i>
64	<i>Phyllanthus niruri</i>	<i>Euphorbiaceae</i>
65	<i>Gravelia robusta</i>	<i>Proteaceae</i>
66	<i>Pedilanthus tithymloides</i>	<i>Euphorbiaceae</i>
67	<i>Alangium salvifolium</i>	<i>Cornaceae</i>
68	<i>Sansevieria trifasciata</i>	<i>Asparagaceae</i>
69	<i>Nephrolepis</i>	<i>Nephrolepidaceae</i>
70	<i>Ixora coccinea</i>	<i>Rubiaceae</i>
71	<i>Lagerstroemia parviflora</i>	
72	<i>Swietenia mahagoni</i>	<i>Meliaceae</i>
73	<i>Machilus macrantha</i>	<i>Lauraceae</i>
74	<i>Pterocarpus marsupium</i>	<i>Fabaceae</i>
75	<i>Bombax ceiba</i>	<i>Bombacaceae</i>
76	<i>Calophyllum inophyllum</i>	<i>Calophyllaceae</i>
77	<i>Lagerstroemia lanceolata</i>	<i>Lythraceae</i>
78	<i>Sapindus emarginatus</i>	<i>Sapindaceae</i>
79	<i>Albizia procera</i>	<i>Mimosaceae</i>
80	<i>Garcinia indica</i>	<i>Garcinieae</i>
81	<i>Melia azedarach</i>	<i>Meliaceae</i>
82	<i>Cordia dichotoma</i>	<i>Boraginaceae</i>
83	<i>Nyctanthes arbor-tristis</i>	<i>Oleaceae</i>
84	<i>Alstonia scholaris</i>	<i>Apocynaceae</i>
85	<i>Vitex altissima</i>	<i>Lamiaceae</i>
86	<i>Mallotus philippensis</i>	<i>Euphorbiaceae</i>
87	<i>Cinnamomum zeylanicum</i>	<i>Lauraceae</i>
88	<i>Hardwickia binata</i>	<i>Cesalpinaceae</i>
89	<i>Calymmanthium sp.</i>	<i>Cactaceae</i>
90	<i>Pilosocereus sp.</i>	<i>Cactaceae</i>
91	<i>Weingartia sp.</i>	<i>Cactaceae</i>
92	<i>Gymnocalycium sp.</i>	<i>Cactaceae</i>
93	<i>Euphorbia trapfolia</i>	<i>Euphorbiaceae</i>

94	<i>Echinocereus</i>	<i>Euphorbiaceae</i>
95	<i>Notocactus</i>	<i>Euphorbiaceae</i>
96	<i>Astrophytum asterias</i>	<i>Cactaceae</i>
97	<i>Euphorbia iharanae</i>	<i>Euphorbiaceae</i>
98	<i>Aricocarpus</i>	<i>Euphorbiaceae</i>
99	<i>Rebutia muscula</i>	<i>Euphorbiaceae</i>
100	<i>Haworthia limifolia</i>	<i>Euphorbiaceae</i>
101	<i>Glandulicactus uncinatus</i>	<i>Euphorbiaceae</i>
102	<i>Opuntia cochenillifera</i>	<i>Cactaceae</i>
103	<i>Opuntia elatior</i>	<i>Cactaceae</i>
104	<i>Opuntia ficus-indica</i>	<i>Cactaceae</i>
105	<i>Opuntia microdasys</i>	<i>Cactaceae</i>
106	<i>Opuntia robusta</i>	<i>Cactaceae</i>
107	<i>Opuntia stricta</i>	<i>Cactaceae</i>
108	<i>Euphorbia tirucalli]</i>	<i>Euphorbiaceae</i>
109	<i>Euphorbia</i>	<i>Euphorbiaceae</i>
110	<i>Euphorbia lacteal</i>	<i>Euphorbiaceae</i>
111	<i>Euphorbia abyssinic</i>	<i>Euphorbiaceae</i>
112	<i>Austrocylindropuntia</i>	<i>Cactaceae</i>
113	<i>Stenocereus</i>	<i>Cactaceae</i>
114	<i>Murraya koenigii</i>	<i>Rutaceae</i>
115	<i>Asparagus racemosa</i>	<i>Asperagaceae</i>
116	<i>Cassia fistula</i>	<i>Fabaceae</i>
117	<i>Acorus calamus</i>	<i>Acoraceae</i>
118	<i>Terminalia panniculeta</i>	<i>Commbritateae</i>
119	<i>Tribulus terrestris</i>	<i>Zygophyllaceae</i>
120	<i>Annona reticuleta</i>	<i>Annonaceae</i>
121	<i>Tectona grandis</i>	<i>Lamiaceae</i>
122	<i>Zizipus jujuba</i>	<i>Rhamnaceae</i>
123	<i>Aralia racemosa</i>	<i>Araliaceae</i>

Table 2: Details of the Flora in the premises

At present there are more than 120+ plantations comprising of plants, trees, shrubs

