

Shri. Dadapatil Rajale Shikshan Sanstha's
Dadapatil Rajale Arts & Science College, Adinathnagar,
Tal. Pathardi, Dist. Ahmednagar

Green Audit Report

(2017-18)



Prepared by

Green Audit Committee

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Introduction

The Green Audit is an assessment of business in terms of its impact on the environment. Environmental crisis occurs due to rapid Industrialization and Urbanization. To overcome this difficulty Institute adopt "The Green Campus" concept for sustainable development.

Shri Dadapatil Rajale Shikshan Sanstha's Dadapatil Rajale Arts and Science College was established in 1991 by Hon. Late Dadapatil Rajale. The College was located in rural area. The College has gone through the Assessment from NAAC in 2015 and obtained B grade. The College has initiated 'The Green Campus' programme for environmental protection and sustainability. The main aim of the "Green audit" is to follow the practice of the Institution for developing the Green campus and creating awareness of environment among students and public. It works on different factors including Tree plantation, Waste disposal management, Water conservation, Energy conservation etc.

Methodology: -

To conduct the green audit of the campus personal observation of the campus, data analysis, and recommendations is needed. Following are the areas for green audit.

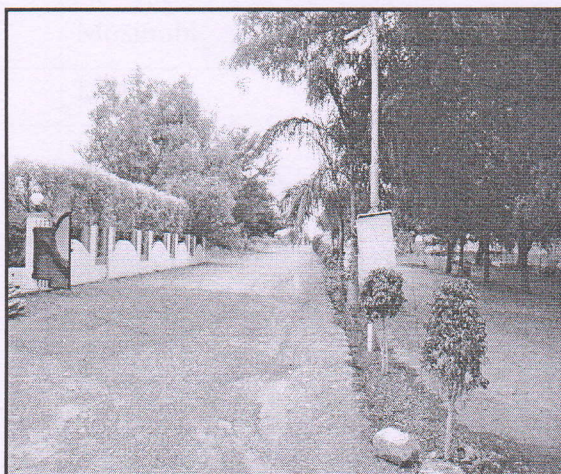
- 1) Management of Green campus.
- 2) Waste disposal management.
- 3) E-Waste management.
- 4) Energy conservation.
- 5) Management of green campus.

Green auditing is also known as "Environmental Auditing" There is a provision of auditing campus in the college. Under the guidance of IQAC the committee has been formed for developing and auditing the green campus. For developing Committee each member is selected from Dept. of Botany, Geography, Zoology, Computer Science, Waste disposal management and Light and Energy committee, there are about 1236 plants in the college campus. To create awareness about environment college performed following activities.

A. **Tree plantation activity:** - It is performed between 1st July to 7th July 2017 in the college campus.

B. For maintaing clean campus students of N.S.S. and Earn and Learn were worked.

Green area of the College



List of audited plants:-

Sr. No.	Vernacular Name	Botanical Name	Family	Total
1	Ficus	<i>Ficus benjamina</i> L	Moraceae	97
2	Saptaparni	<i>Alstonia scholaris</i> (L) R.Br.	Apocynaceae	60
3	Sawar	<i>Bombax ceiba</i> L	Bombaceae	50
4	Arjun satada	<i>Terminalia arjuna</i> L	Combretaceae	02
5	Shisham	<i>Dalbergia sissoo</i> L	Fabaceae	126
6	Mango	<i>Mangifera indica</i> L.	Anacardiaceae	65
7	Sapota	<i>Achras sapota</i> L	Sapotaceae	25
8	Neem	<i>Azadirachta indica</i> L	Meliaceae	185
9	Sitaphal	<i>Annona squamosa</i> L	Annonaceae	63
10	Bambu	<i>Bambusa arundinaceae</i> L	Graminae	54
12	Nilgiri	<i>Eucalyptus globulus</i> .	Myrtaceae	53
13	Chandan	<i>Santalum album</i> L	Santalaceae	03
14	Naral	<i>Coccus nucifera</i> L	Palmae	04
15	Ashok	<i>Saraca indica</i> L	Annonaceae	35
16		<i>Caryota Spp</i>	<i>Arecaceae</i>	17
17	Sag	<i>Tectona grandis</i> L	Verbenaceae	70
18	Badam	<i>Anacardium occidentale</i> L	Anacardiaceae	05
19	Chinch	<i>Tamarindus indica</i> L	Fabaceae	15
20	Bor	<i>Zizupus jujuba</i> L	Rhannacear	04
21	Umbar	<i>Ficus glomerata</i> L	Moraceae	01
22	Peru	<i>Psidium guajava</i> L	Myrtaceae	10
23	Mosumbi	<i>Citrus limetta</i> L	Citraceae	21
24	Limbu	<i>Citrus limon</i> (L.) Osbeck.	Citraceae	06
25	Dalimb	<i>Punica granatum</i> L	Lythraceae	06
26	Anjir	<i>Ficus carica</i> L	Moraceae	02
27	Rain tree	<i>Albizia saman</i> L	Fabaceae	85
28	Gulmohar	<i>Gmelina arborea</i> L	Verbenaceae	35
29	Karanj	<i>Pongamia glabra</i> L	Fabaceae	22
30	Kasvad	<i>Casia siamia</i> L	Caesalpinaceae	35

31	Pimpal	<i>Ficus glomerata</i> L	Moraceae	20
32	Avla	<i>Phyllanthus emblica</i> L	Phyllanthaceae	05
33	Parijatak	<i>Nyctanthus arbor-tntis</i> L	Olecaceae	15
34	Cheri	<i>Prunus avium</i> L	Rosaceae	05
35	Mahogani	<i>Swietenia mahagoni</i>	Meliaceae	06
36	Saikas	<i>Cycas circinalis</i> L.	Cycadaceae	02
37	Kanher	<i>Nerium indicum</i> L	Apocynaceae	06
38	Morpanki	<i>Thuja orientalis</i> L	Cupressaceae	07
39	Tagar	<i>Tabermontana divaricata</i> L	Apocynaceae	04
40	vad	<i>Ficus bengalensis</i> L	Moraceae	02
41	Shivan	<i>Gmelina arborea</i> L	Lamiaceae	65
		Total		1236

2) Waste disposal management:-

From various sources has created following type of waste.

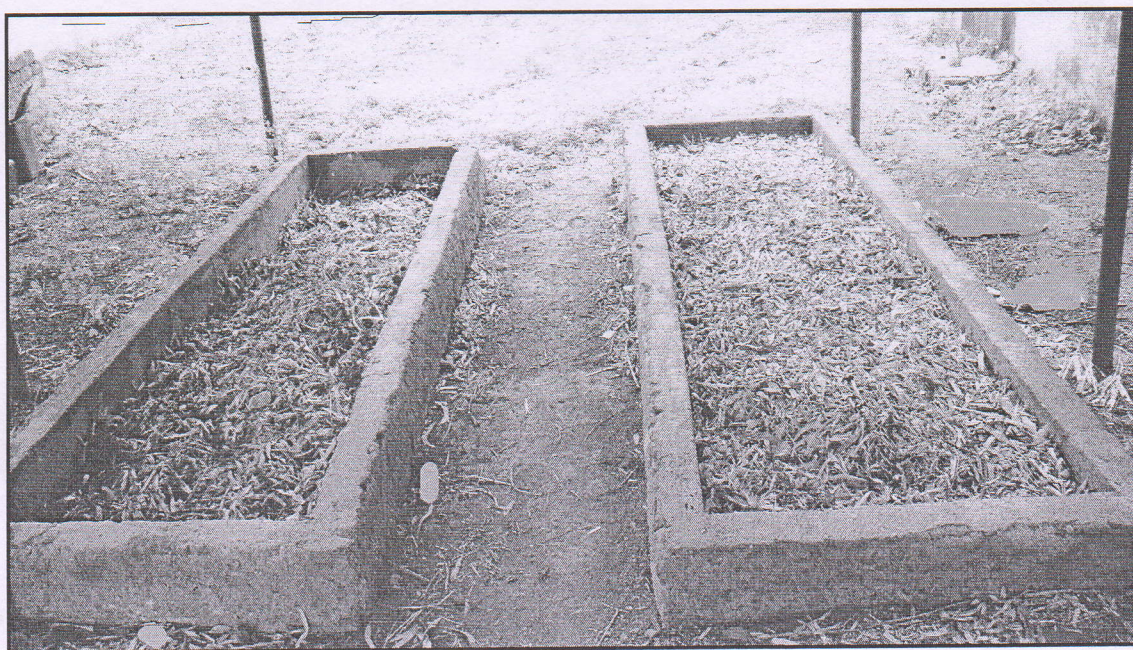
- Solid waste
- Biodegradable waste.
- Chemical waste
- Plastic waste.

Observations:-

The solid waste produced from tree are sold to shop merchant. The Department of Botany and Zoology biodegradable waste during practical work which is used for raw material for vermicomposting. The chemical waste produced by Chemistry Department are disposed by releasing it in the soak peat in a protected zone. Fuming chambers are installed in the laboratories to exhaust the harmful gases. To avoid the misuse of apparatus and chemicals instructions are displayed in Laboratories. Liquid waste is dumped in a soil pits near laboratories. The paper waste produced from Office are send for paper pulping. One side waste paper which is utilized for rough work. Newspaper after reading are collected properly stored in Library and then sold to shop merchant. In campus plastic waste are produced in small amount are sold to shop merchant along with scrap.

Recommendations:-

1. Whenever required empty bottles in a Laboratory are reused.
2. Office staff are suggested to minimize the paper waste as the paper are produced from plant product. This activity is useful for save the forest.
3. Do not throw the important papers in a dust bins, which are send for paper pulping.
4. Place separate Dust bins for Biodegradable waste and non-biodegradable waste separately in a campus. After filling dustbins are empty on proper place.



Vermicompost Plant

E-Waste:-

E- Waste is hazardous waste and very dangerous waste to Environment and human health. This waste is produced by computer Department.

Observations:-

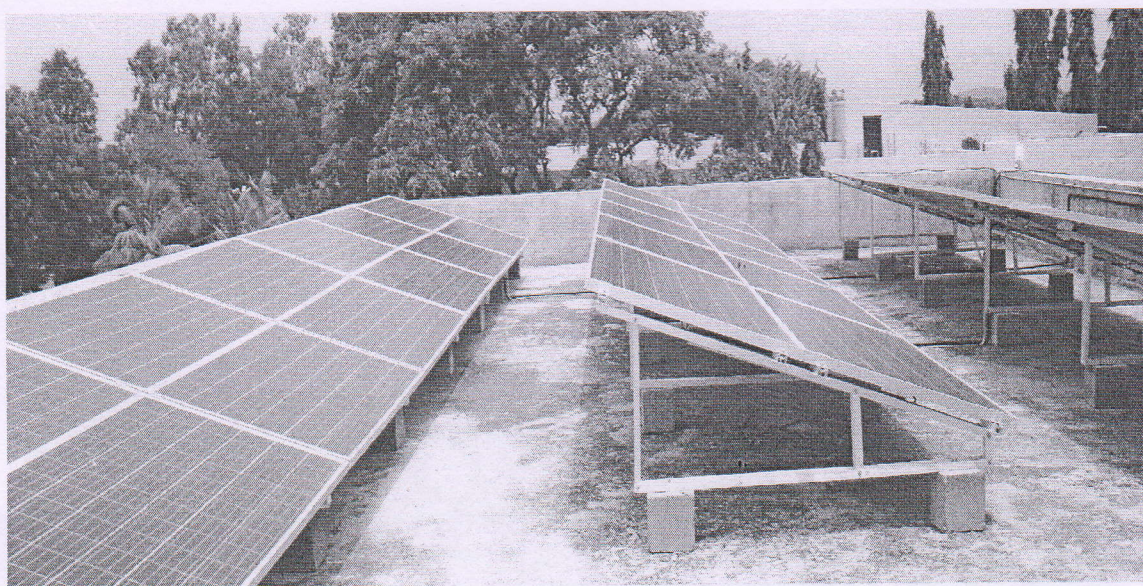
As comparison to other waste E-Waste are generated in small amount. In our college this waste are properly stored scrap room. After decision of management it is sold to E-Waste merchant for recycling.

Recommendation.

- 1) Maintain the record of E-Waste.
- 2) Give the name as E- Waste room.

Energy Conservation: -

Roof top solar system has been activated in the college campus. The electric need of the college is being fulfilled by the system. College is not depend on MSEB.



Roof Top Solar System.

Recommendation.

- 1) Prepare monthly report for Energy conservation by Electricity committee.
- 2) Whenever required replace tubes and bulbs by LED bulb and tubes.

Acknowledgement

We are sincerely thankful to College authority to allow this project and to enter the new era of Green Audit in the College Campus. Further we extend our sincere thanks to the college staff for providing us necessary facilities and co-operation during the audit. This helped us in making the audit, a grand success.

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