

Dr. Babasaheb Ambedkar Marathwada University,
Chhatrapati Sambhajnagar (M.S.) - 431 004.
Department of Environmental Science

Dr. Satish S. Patil
Senior Professor



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Ref. No./ Env.Sci/2024-25/

Date: 19-09 -2024

Environment-cum- Green Audit
Institutional Data

Name of College: Jeevandeep Law College, Goveli
Address: at Goveli, Post Rayate, TalukaKalyan, Dist. Thane, Maharashtra: 421103.
Mobile: 9922666966
Email: jeevandeepcollege@gmail.com
Name of Co-ordinator: Yogesh Samadhan Sardar
Mobile: 9870995488

Dated Commenced: _____

Date Completed: _____

Note: provide the response in the following table/parameters.

Total Strength of student and teachers in the college?

Sr. No.	Name of the program	Number of Students	No. of Teachers
1	LL.B	365	8
2	LL.B	81	3

Which of the following are available in your college?

Sr. No.	Item	Yes/No	If Yes, Number (s)
1	Garden area with lawn	Yes	1
2	Play Ground	Yes	1
3	Kitchen	Yes	1
4	Toilets	Yes	20
5	Garbage Dumps	Yes	1
6	Laboratory	Na	
7	Canteen	Yes	1
8	Plants with name plates	Yes	250
9	Rain water	Yes	
10	Solar LEDS	Yes	15

Mark the level of disturbance that creates for the college in a scale of 1 to 9

- | | |
|-------------------------------|-----------------|
| 1. Municipal Dump Yard | <u>No</u> |
| 2. Garbage Head | <u>No</u> |
| 3. Public Conveyance | <u>Yes</u> |
| 4. Sewer Line | <u>No</u> |
| 5. Stagnant Water | <u>No</u> |
| 6. Open Drainage (River) | <u>No</u> |
| 7. Industry (Sugar Industry) | <u>No</u> |
| 8. Bus/Railway Station | <u>Bus Stop</u> |
| 9. Market / Shopping Complex: | <u>No</u> |

I – Waste

1. The waste generated by the/in the college.

If so, what are they?

Garden Waste: Yes

Papers, Box: Yes

Canteen food waste: Yes

Plastic: No

2. Approximately amount of waste generated per day?

(in Kilograms) (Approx)

Approx.	Bio Degradable	Non-Bio Degradable	Hazardous	Others
2 – 10 Kg.	2 – 10 Kg.	Nil	Nil	Nil

3. The methodology adopted for waste management

- | | |
|---|----------------------------|
| i. Composting | <u>Yes</u> |
| ii. Recycling | <u>Rain Water Recharge</u> |
| iii. Reusing | <u>Rain Water Recharge</u> |
| iv. Others | <u>Nil</u> |
| v. Biological Hazardous Waste Materials | <u>Na</u> |

4. Number of boxes/dust-bins to execute starts a waste segregation and recycling campaign: 16

5. Use of recycle paper in college? Yes (Double Sided Printing)

6. Efforts taken by institute to spread the message of recycling/waste management in the community? (Provide list of initiatives)

7. Existence/Initiative for zero garbage mechanism:



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II – Greening the CAMPUS

8. Is there a garden in your college: Yes

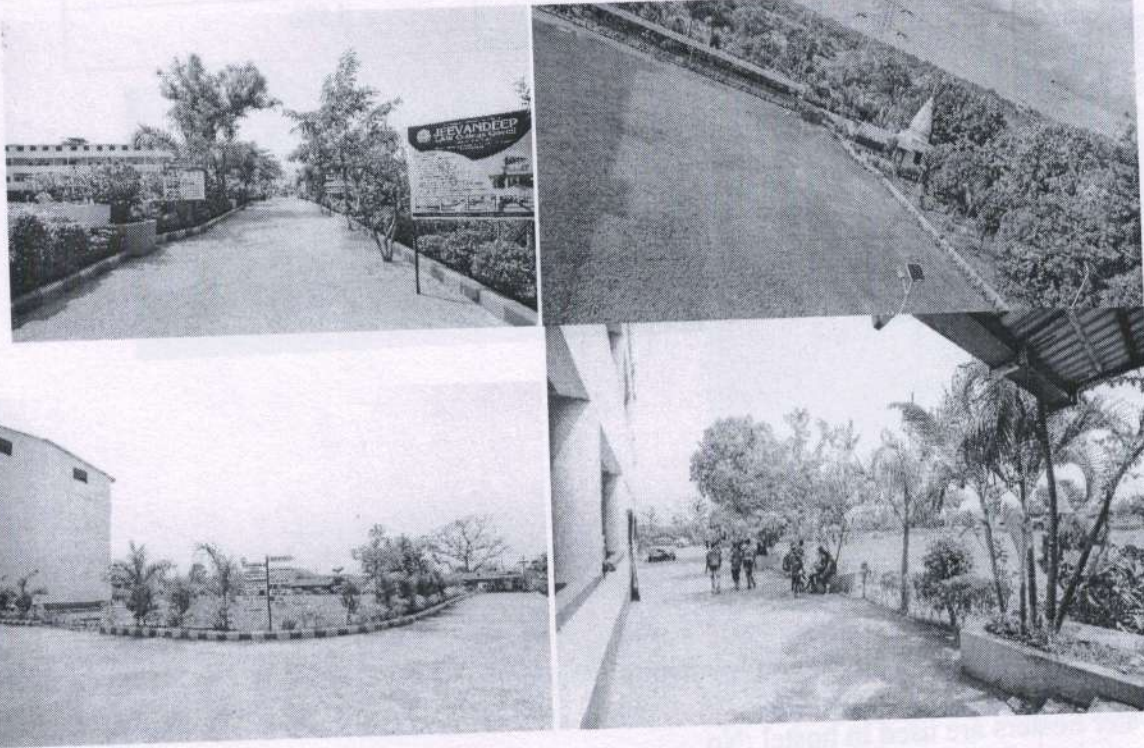
Do student spend time in the garden: Yes

List the plants with approx. number of each species:

i. Number of plants in campus is approx.: 250

SR. NO.	SCIENTIFIC NAME OF TREE	LOCAL NAME OF TREE	NUMBER OF TREES
1	Areca Palm	Palm	12
2	Saraca Ashoka	Ashoka Tree	12
3	Magnifera Indica	Mango Tree	15
4	Musa Paradisiaca	Banana Tree	1
5	Tectona Grandis	Saag	12
6	Psidium Guajava	Guava Tree	8
7	Citrus Limon	Lemon tree	3
8	Manilkara zapota	Chiku tree	20
9	Cocus nucifera	Coconut tree	08
10	Nyctanthes arbor-tristis	Mogra	10
11	Allmendacathartica	Golden trumpet	3
12	Azadirachta indica	Neem tree	5
13	Cycus revoitua	Sago palm	4
14	Peltophorum	Sonmohar	10
15	Ficus religiosa	Pipal tree	2
16	Cascabelathevetia	kaner	3
17	Annona reticulata	Sitaphal	2
18	Gardenia sootepensis	Golden gardenia	2
19	Weeping fig	Ficus benjamina	2
20	Garden craton	Codiaeum variegatum	3
21	Mussaenda erythophylla	Red fig bush	3
22	Millingtonia hortensis	Indian cork tree	2
23	Hyophorba belagicaulis	Bottle palm	1
24	Terminalia catappa	Indian almond	9
25	Cassia fistula	Bahava	2
26	Plumeria rubra	Champa	11
27	Lagerstroemia speciosa	Pride of india	2
28	Nyctanthes arbor-tristis	Night flower jasmine	1
29	Artocarpus heterophyllus	Jackfruit	10
30	Milletia pinnata	Karanj	3
31	Plumeria rubra	Frangipani	2
32	Hibiscus rosa sinensis	Jaswand	15
33	Allamanda blanchetii	Purple allamanda	12
34	Syzygium cumini	Jambhul tree	8
35	Cordyline - fruticosa	Tea plant	28
36	Ocimum tenuiflorum	Tulasi	80
37	Tabernaemontana divaricata	Tager (east indian rosebay)	30
38	Tinospora cordifolia	Gulvel	04
39	Burflower tree	Kadamb	02
40	Rosa floribunda europaea	Rose	50
41	Catharanthus roseus	Sadafuli	02
42	Murraya koenigii	Curry leaves	04
43	Cinnamomum verum	Dalchini	02
44	Cloves	Lavang	02

45	Gardenia	Ananta	06
46	Jatropha curcus	Jetropha	03
47	Cycusrevolta	Sago	01
48	Delonixregia	Gulmohar	03
49	Ameerican arbor vitae	Thuja	04
50	Stone apple	Bel	01
51	Justiciaadhatoda	Adulsa	02
52	Annona reticulata	Ramphal	03
53	Caiotropisgigientia	Ruiee	02
54	Night jasmine	Parijatak	04
55	Bauhinia racemosa	Aapta	04
56	Sebestnia	Sebestnia	02
57	Ficusrecemosa	Umber	02
58	Minusopeelengi	Bakul	02
59	Indian gooseberry	Aavale	05
60	Cashew tree	Kaju tree	02
		Total	237 appx



9. Planning of plantation on campus.(trees,vegetables,herbs,etc.) provide list.

TREE -MANGO,NEEM,ASHOKA ,CHOKOO,BAHAVA,PRIDE OF INDIA,GULMOHAR,RAIN TREE,ETC.
VEGETABLES-PUMKIN,LADY FFINGER,GHEVADA,ETC.
HERBS -ROSHA GRASS,JAI-JUI, ALOEVERA,ADULASA,ETC.

10.List of species planted by the student ,with numbers

MANGO-10
ASHOKA TREE-08
COCONUT-05
CHOKOO-10
JACKFRUIT-08
PRIDE OF INDIA-02
CHAPHA-04
NEEM-04
AAMALA-04

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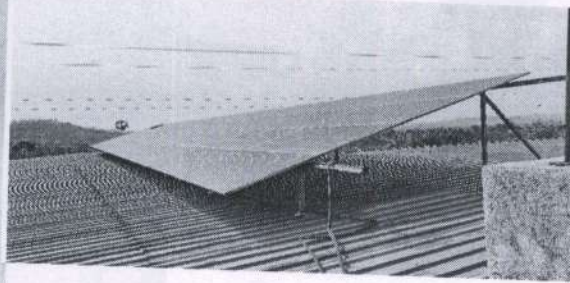
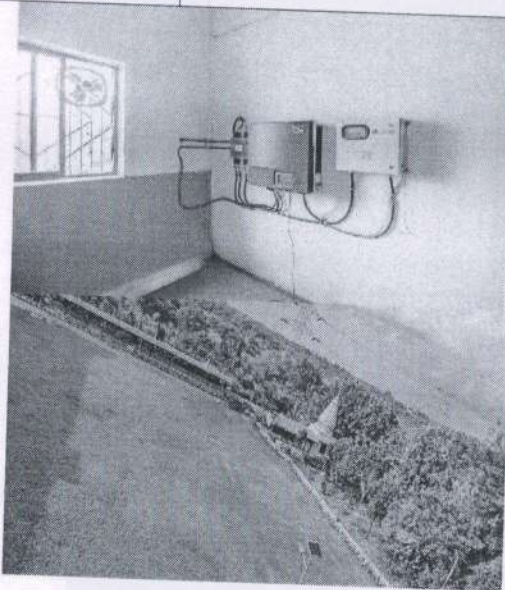
III - ENERGY

11. list ways that institute use energy
 1. light & fans
 2. Heating ,Refrigeration & Air condition system
 3. Internet & computers
 4. Practical equipments
 5. Pumping

(Electricity,diselgenerators,Solar)

Using this list ,try to think of ways that you could use less energy every day.

Sr.no	Energy	Reduction of usage
1	Electricity	80%
2	Generator	5%
3	Solar (15 KVA SETUP)	15%



- 12 .Are there energy saving methods employment in your colleges ?

If yes ,please specify

Solar water heaters are used in hostel :No

Optimum use of electrical equipment :No (not applicable)

LCD moniters are used in computer labs :Yes

- 13 .How much money does your college spend on energy such as electricity ,gas ,firewood,etc.in a month ?record it.

Monthly recordfor last six month.

Month	Electricity cost	LPG Consumption	Fuel for Generator
July -2021	18720	-	7230
Aug-2021	30270	-	2275
Sep-2021	18160	-	1510
Oct-2021	25990	-	5240
Nov-2021	3330	-	1370
Dec-2021	790	-	6369

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14. Alternativ energy sources employed /installed in your college?

Yes

(photovoltaic cells for solar energy ,energy efficient stoves ,etc,)Specify .-soler Energy ,12 KVA SET UP

Apr. 40-50 units generation per day KWH (on availability of sunlight)

15. Ptactice /mandate of "swich off" drills Yes

16.

Computers and other equipments put-on power saving mode ? yes

17.

Machinery (TV,AC, Computers, Weighingbalance, printers, etc)

Run on standby modes most of the time?

If yes, how many hours ? Yes 40% Hours

IV - WATER CONSERVATION

18. List of uses of water in your college

1. Drinking

2. Washroom

3. Laboratirirs

4. Gardening

5. Cleaning

19. Water

storage facilities in the institute .are there any way water saving

Techniques followed in your college ?

Yes

Rain water Harvesting	319640 Liter
Water conservation tank	31964 liter
Graund water tank	35000 liter
Overhead tank	15000 x 2=30000 liter

20. Observation of water wastage. Yes

How the wastage is prevented /stopped ?

By monitoring and maintenance

21. Locate the point f entry f waer and point of exitofwaterin your college.

Entry - from south dirrection /entry

Exit - percolation / septic tank

* where does your water come from ? (source) -borewell and corporation

* where does the waste water go? drainage to septic tank and percolation tank

22. Four way that could reduce the amount of water used in your institute.

1. Tap

2. Flush

3. Water purifier

23. Does your institution harvest water ? yes

If yes, how many rain water harvesting units are there?



V - ANIMAL WELFARE

24. List the animal (wild and domestics) found the campus

Dogs - 5 and squirrel -20 appx

25. Numbers of dogs in your area have undergone animal birth control anti rabis

(ABC -AR) almost all.

26. Animal welfare organization nearest to your college? No

Does it have an ambulance service? yes/no (not applicable)

27. Incidence of animal getting wounded /affected due to unfavorable condition

Existing in your college or nearby (like a dog getting wounded, poisoning of animals improper caring of animals, hunting of animals, etc): No

What did you /your college /neighbor do? Kalyan

VI -GENERAL

28. Are you aware of any environment laws pertaining to different aspects of environments management . yes

29. does your college have any rules to protect the environment yes

List possible rules you could include

Sr no.	rules
1	Under environment protection act 1968 ,”save plant ,protect the plants.
2	”save water ,save nature (water prevention and control act 1974)
3	”no plastic ,save natural resources growing more tree and plants” act 1980
4	”save electricity “
5	”right to life ,pollution free environment “article 21

30. Fire fighting system yes

Status of maintenance -periodic maintenance



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Action plan

1. increase the use of LED.
2. Develop the solar street light network.
3. Employ use the simulation -based energy control .
4. Deploy thr available rooftop space for solar energy generation.
4. deploy enhanced use computer softwere and network.

CONCLUSION

The institute has taken following measures for conservation of energy and green climate.

1. use the solar energy
2. Wheeling solar energy to grid.
3. Use the scientific apporoch in waste management.
4. Following the measures for conservation of energy through use of LED.
5. Rain water harvesting .
6. Construction of percolation tank and conserving the sueface flow water.
7. Optimum use of water through bore well ,rain water harvesting and use of aqua water.
8. Plantation of trees across the campus.
9. Developing green campus ,garden and lawn .

The institute shall follow the action plan suggested to enhance the green climate.

Yours faithfully,



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