

Sillod Shikshan Sanstha Aurangabad

**Siddharth Arts, Science and Commerce College
Jafrabad, Dist. Jalna**

Environment Committee Report



Executive Summary

- ❖ **Water management:** As such, wise use of water is a general practice in College Campus, Where as common R.O. filtration system is effectively working and supply are maintained, minimum waste water is created, Rainwater harvesting is Carried only on college Building at specific level and water conservations method are in practice, As the raw water resources for college are well, bore well and municipal corporation tap water, Waste water from different laboratories are drained into equalization tank thereafter diluted with fresh water and use for watering the plants where as waste water from toilet bathroom find their way to nearby septic tank and some in absorbing pits .
- ❖ **Waste management:** Waste management strategy adopted by the College are , especially plastics, Cotton waste collected by Nagar Panchayat, Canteen waste i.e. food waste is collected daily for pig rearing persons on Daily Basis, Further, careless discarding of solid wastes is a common site in many segments of the campus. The campus is declared free from plastic carry bags and this put into practice strictly. However, more departments are now following green charts and started avoiding flex banners and plastic carry bags and cups for social functions and academic programmes.
- ❖ **Energy management:** A MSEB connection is main source for electricity, whereas the use of LEDs are increased in college Building and star rating, low consumption energy Appliances are using solar water which is use of Non-conventional energy and pollution free. College Building is constructed in such way it its fully ventilated it require minimum light.
- ❖ **d. Landscape/environment:** Landscaping and management of tree plantation in front of college building and is done by Department of Botany and maintain the campus greener with fair biodiversity around and gardens maintained by Botany, Zoology, Library departments, Whereas 05 pot are maintain and Food feeder, Drinking water are hanged on trees for small animals one of the noticeable work done by Department of Botany and Zoology.
- ❖ **Built-up Environment:** In general, the built-up environment is somewhat eco-friendly and there is a need for adopting green habitat concept in future planning of Buildings.
- ❖ **Transportation:** Majority of the students in the campus rely on public transport and bicycles indicating lesser carbon foot print of the student

community, but faculty are using own vehicles and some of the faculty using public transport, whereas parking yard is available which make pollution free some area of campus. Monday is weekly off for vehicle in our institute.

- ❖ **Green Agenda in Syllabus:** Green agenda form part of the curriculum in many Departments and eco/nature clubs remain active for the cause of environmental protection, though it is not a common practice in all the departments in the campus.
- ❖ **Fire Safety Management:** Fire Extinguisher cylinder is hanged where need such as in corridors front of Chemistry and Botany, Physics and Zoology laboratories and Library.

Recommendations

1. Environmental auditing may be conducted by the College in every two years Under the auspices of the Dept. of Botany.
2. Rainwater harvesting facilities may be established at both administrative and academic campuses, foreseeing future needs of water. Further, rainwater pits can be prepared at appropriate places identified with the assistance of Experts of Botany Department and restoration activities may be initiated to sustain the health of ponds and in the college campus.
3. Specific waste management plans should be adopted to manage solid waste in the Campus, with the assistance of Municipalities and use of plastic carry bags, thermocole cups/plates and flex boards should be banned inside the College. For managing organic wastes, biogas plants may be recommended at the behind Chemistry Lab. The wastes generated can be used for promoting organic farming activities. There should be a system for the management of hazardous wastes generated from laboratories.
4. All the blocks in the Campus should develop a garden in front of the building and the expenditure for the same may be met from the Department Development fund.
5. Green habitat concept should be adopted for all the building construction activities of the College in future, which may help a long way in reducing energy usage, increasing aesthetic appeal of the buildings and class rooms, besides reducing carbon foot print. Further, more green spaces should be established all around the campus around larger trees and shades for the benefit of the students.

6. Number of Fire safety instruments should be increased in all the buildings.

7. More public toilets may be established in the campus, Separate toilets are required for differently abled students.

8. Public Vehicle should be promoted both among students and faculty and use of Bicycles should be promoted as a policy of college.

9. Irrespective of the subjects, environmental education should be part of curriculum at least one credit on environmental education or sustainable development as elective should be made compulsory. Alternatively one credit may be given to students participating in environmental conservation/awareness activities, NSS, field visits etc.

10. Propose a system for collection and disposal of waste sorted out as organic and others on a daily basis, managed by the campus administration.

❖ Environmental Practices (WATER MANAGEMENT)

Sr.no.	Departments And Blocks	Water use per day in lit.	Use of water purification	Rain water harvesting	Water storage	Water management practice	Water leakage repair	Wise use of water	Water pollution
01	Botany	50	√	√	√	√	√	√	X
02	Zoology	50	√	√	√	√	√	√	X
03	Chemistry	100	√	√	√	√	√	√	X
04	Microbiology	70	√	√	√	√	√	√	X
05	Physics	20	√	√	√	√	√	√	X
06	Mathematics	20	√	√	√	√	√	√	X
07	Computer science	X	--	X	--	√	√	√	--
08	Commerce	10	√	X	√	√	√	√	X

09	English	X	--	X	--	--	--	--	--
10	Marathi	X	--	X	--	--	--	--	--
11	Hindi	X	--	X	--	--	--	--	--
12	Economics	X	--	X	--	--	--	--	--
13	Sociology	X	--	X	--	--	--	--	--
14	Political-science	X	--	X	--	--	--	--	--
15	Department of sports and physical edu	X	--	√	--	--	--	--	--
16	History	X	--	X	--	--	--	--	--

Sr.no.	Departments	Water use per day in lit.	Use of water purification	Rain water harvesting	Water storage	Water management practice	Water leakage repair	Wise use of water	Water pollution
17	Library	100	√	X	√	√	√	√	X
18	Canteen	1000	√	X	√	√	√	√	X
19	Ladies common room	100	√	X	√	√	√	√	X

❖ WASTE MANAGEMENT

Sr.no	Departments	Food/Organic waste/day	Plastic waste /day	Other (e-waste)	Management of Organic Waste	Waste dumping pit?	Waste Management Practices	Eco-Friendly methods for waste management
1	Botany	L	N	n	√	X	√	X
2	Zoology	L	N	n	√	X	√	X
3	Chemistry	L	N	n	√	X	√	X
4	Microbiology	L	N	n	√	X	√	X
5	Physics	L	N	n	√	X	√	X
6	Mathematics	L	N	n	√	X	√	X
7	Computer science	L	N	M	√	X	√	X
8	Commerce	L	N	n	√	X	√	X
9	English	L	N	n	√	X	√	X
10	Marathi	L	N	n	√	X	√	X
11	Hindi	L	N	n	√	X	√	X
12	Economics	L	N	n	√	X	√	X
13	Sociology	L	N	n	√	X	√	X
14	Political-science	L	N	n	√	X	√	X
15	Department of sports and physical edu	L	N	n	√	X	√	X
16	History	L	N	n	√	X	√	X
17	Library	L	N	n	√	X	√	X
18	Canteen	H	H	n	√	X	√	X
19	Ladies common room	M	L	n	√	X	√	X

20	Main building garden	N	N	N	v	X	v	x
L = Low, H = High, M = Medium, N = Negligible, n = nil								

❖ ENERGY MANAGEMENT

Sr.no	Departments And Blocks	No. of Tubes +CFL Bulbs	No. of A/C --refrigerator	No. of LCD Projector	No. of Photocopier + Scanner	Computers + Printer	LEDs	Fan	Non-conventional	Energy Management Practices
01	Botany	2	--	1	--	1	--	1	x	x
02	Zoology	2	01	1	1	1	--	1	x	x
03	Chemistry	2	01	1	--	1	--	1	x	x
04	Microbiology	2	01	--	--	1	--	1	x	x
05	Physics	3	--	--	1	2	--	1	x	x
06	Mathematics	1	--	--	--	1	--	1	x	x
07	Comp. science	4	--	--		39-1	--	1	x	x
08	Commerce	2	--	--		1-L	--	1	x	x
09	English	1	--	01		1-L	--	1	x	x
10	Marathi	1	--	--		1-L	--	1	x	x
11	Hindi	1	--	--		1-L	--	1	x	x
	Economics	1	--	--		1-L	--	1	x	x
13	Sociology	1	--	--		1-L	--	1	x	x
14	Political-science	1	--	--		1-L	--	1	x	x
15	Dept. of sports and physical edu	2	--	--		1-L	--	1	x	x
16	History	1	--	--		1-L	--	1	x	x

Sr.no	Departments	No. of Tubes + Bulbs	No. of A/C—refrigerator/filter	No. of LCD Projector	No. of Photocopier + Scanner	Computers/Laptop + Printer	LEDs	Fan	Non-conventional	Energy Management Practices
17	Library	5-Tube 4-CFL	01	01	01+02		01	4	x	X
18	Ladies common room	02 - Tube		--	--	--	--	02	x	X
19	Total 24 Class rooms	50-Tube	--	--	--	--	--	24	x	X
20	Main building - corridors	10-CFL 08-Tube	2+2	--	--	--	--	01	x	X

21	Administrative Office	04	--	--	--	10	04	09	x	√
22	Principal sir cabin	1	1	--	--	1	31	05	x	√
23	Exam Department	04-Tube	--	--	02	1+1	--	03	x	X
24	Store room-1	02-Tube	--	--	--	--	--	01	x	X
25	IQAC Room	02-CFL	1	01	--	1+1	--	02	x	X
29	English Language Lab	04	--	01	--	12	--	04	x	X
30	Water cooler	02	--	--	--	--	--	--	x	X

*Total CCTV = 10 *Fire Cylinder=06

❖ TRANSPORTATION

Sr.no.	Departments	Number of Vehicles	Public Transport
01	Botany	02	X
02	Zoology	02	x
03	Chemistry	04	x
04	Microbiology	01	x
05	Physics	02	√
06	Mathematics	01	√
07	Computer science	01	√
08	Commerce	03	√
09	English	03	√
10	Marathi	04	√
11	Hindi	03	√
12	Economics	02	--
13	Sociology	02	√
14	Political-science	03	--
15	Department of sports and physical education	02	√
16	History	03	√
17	Library	05	√

Campus Environment Snap Shots



Green Campus of College



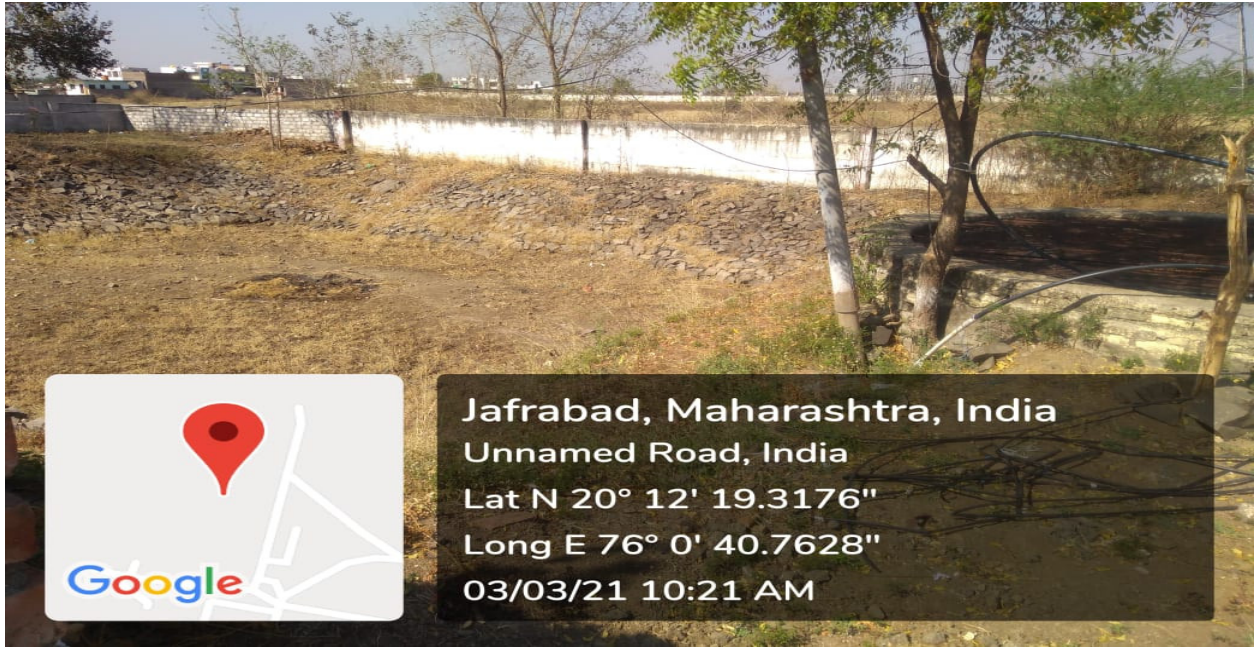
Fire controlling Instrument in college



Drinking water facility and waste bin



Solar system



Well and recharge pit on campus



Pot Plantation



Water distribution system of the college

Report by Environment Committee

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