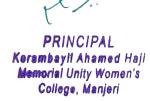


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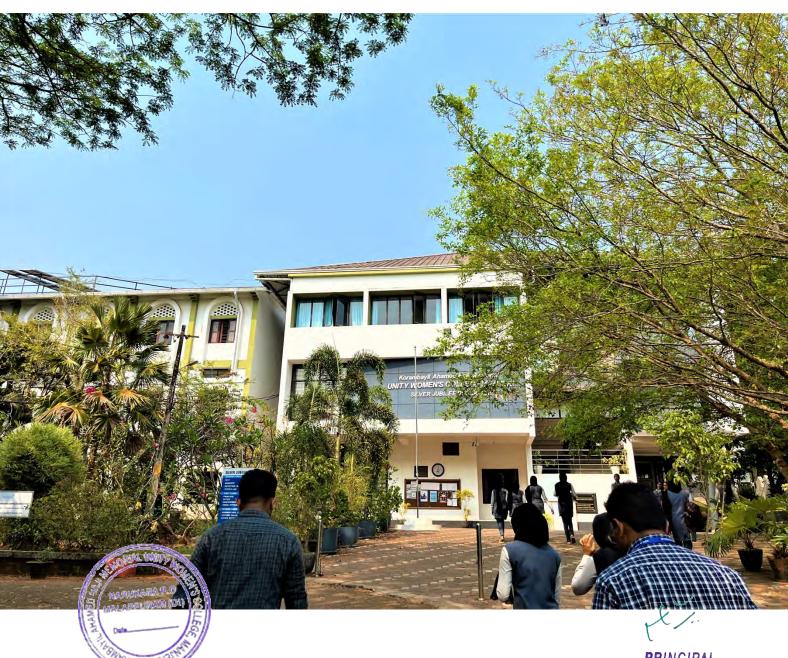




ENVIRONMENT AUDIT REPORT

KORAMBAYIL AHAMED HAJI MEMORIAL UNITY WOMEN'S COLLEGE

MANJERI





Environment Audit Report KAHM, Unity women's College, Manjeri

EA 1000, 2023

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About OTTOTRACTIONS

MALAPPURAM (D1)

OTTOTRACTIONS established in 2005, is an organization with proven track record and knowledge in the field of energy, engineering, and environmental services. They are the first Accredited Energy Auditor from Kerala for conducting Mandatory Energy Audits in Designated Consumers as per Energy Conservation Act-2001. Government of Kerala recognized and appreciated OTTOTRACTIONS by presenting its prestigious "The Kerala State Conservation Award 2009" for the best performance as an Energy Auditor. Citotractions of an ISO 9001-2015 and ISO 14001-2015 Certified organization, which sures the cutting of its services.

Acknowledgment

We were privileged to work together with the administration and staff of KAHM Unity women's College, Manjeri for their timely help extended to complete the audit and bringing out this report.

With gratitude, we acknowledge the diligent effort and commitments of all those who have helped to bring out this report.

We also take this opportunity to thank the bona-fide efforts of team OTTOTRACTIONS for unstinted support in carrying out this audit.

We thank our consultants, engineers and backup staff for their dedication to bring this report.

Thank you.

B V Suresh Babu Accredited Energy Auditor AEA 33, Bureau of Energy Efficiency Government of India







Contents

Introduction	-	1-1
Background	-	2-3
Environment Management	-	4-16
Recommendations	-	17-18
Conclusion	-	19-20
References	-	21-21
Technical Supplement	-	











INTRODUCTION

KAHM Unity Women's College, Manjeri has entrusted Ottotractions to carry out an environmental audit of their campus building.

Each section contains recommendations for improvements relating to environmental success, which are consolidated in the action plan in section 4.









BACKGROUND

K.A. H. M. Unity women's College, Manjeri was established in 1991 and is run by Muslim Educational and Cultural Association (MECA), a registered society and as first women's educational institution in the field of higher education in Maiappuram district in Kerala. The college was founded by the visionary, Janab Korambayil Milmed Haji. He envisaged the institution as a center based on the and social commitment, promoting learning and culturerinopal

Kerambayii Ahamed Haji Memorial Unity Women's



college strives to produce intellectually competent, morally upright and spiritually inspired citizens in the service of the nation.

A sprawling green campus spread over 17 acres; the college is located in Pulpatta village, about 1.6 kilometers away from Manjeri- Calicut Road. Affiliated to Calicut University, Thenhiipalam, the institution is known for its academic excellence and research potential. The college has 10 academic departments, with around 1600 students and 72 faculty members.

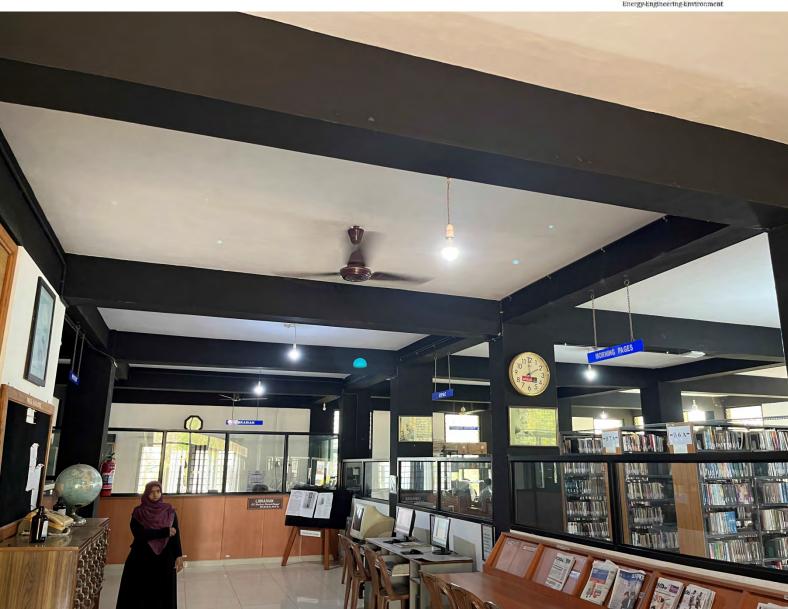
The college has been rated as a 'B++' Grade institution by the National Assessment and Accreditation Council (NAAC) in the third cycle with 2.77 points.

Occupancy Details			
Particulars 2021-22 2022-23			
Total Students	1667	1704	
Staffs	104	104	
Total Occupancy of the college	1771	1808	

Total student strength of the campus is 1808. For calculating per capita carbon emission estimation, the student strength is taken into account.







ENVIRONMENTAL ISSUES

This section is broken down into the following different areas: waste, water, energy, resource and materials use and procurement. A final 'other' section is also included for any applicant lissues.

1.1. Wasta

he way communities generate and manage their waste plays an absolutely key role in their ability o use resources efficiently. All buildings contain bins for both general PRINCIPAL



waste and mixed recyclables (plastic bottles, card, cans and paper). On average each floor in the buildings areas has its own general waste bin and one recycling bin. When the bins are emptied by the cleaning staff. Bins are marked and kept in different colors for identification, however in some locations throughout the building it was unclear which bins were for which waste streams.

There four basic are ways in which campus can do **plastic** recycling **collection** services for **plastic** bottles and containers curbside, drop-off, buy-back or deposit/refund programs. The first, and most widely accessible, collection method is curbside collection of recyclables. The campus is installed bins to collect plastic bottles and single use plastics. The college has given a proper awareness on plastic waste problems and they are discouraging the students or teachers to carry plastics to the campus. The Bhoomitra Sena Club is very active in the campus and do a verity of programs to build awareness on waste management. The reports on different activities of the club are attached as technical supplement of this report.



The major concern of waste management will be focused on the solid waste produced by the campus. Solid wastes produced in the campus are mainly of three types, food waste, paper waste, and plastic waste. Food wastes produced in the campus are mainly by two means. The vegetable wastes produced in the kitchen graphical preparation. The food waste produced by the students and staffs of the campus after the consumption of meals. The degradable waste is treated in the biogas plant/we biogas generated is used in the kitchen. A state of art sewage eament field is installed in the campus

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Degradable Waste Generation			
KAHM Unity Women's College, Manjeri			
Particulars 2021-22 2022-23			
Total Occupancy	1771	1808	
Waste generated in kg /day 35.42 36.16			
Waste generated in kg /Yr 7792.4 7955.2			

Burning plastics shall be strictly restricted inside the campus. **Burning plastic** and other wastes releases dangerous substances such as heavy metals, Persistent Organic Pollutants, and other toxics into the air and ash waste residues. Such pollutants contribute to the development of asthma, cancer, endocrine disruption, and the global burden of disease.

Solid non degradable Waste Generation			
KAHM Unity Women's College, Manjeri			
Particulars	2021-22	2022-23	
Total Occupancy 1771 1808			
Waste paper generated in kg /day 0.3542 0.3616			
Waste plastic generated in kg /day 0.5313 0.5424			
Waste paper generated in kg /Yr 77.92 79.55			
Waste plastic generated in kg /Yr 116.89 119.33			

WASTE MINIMIZATION AND RECYCLING			
4	Does your institute generate any waste?	Yes, Solid waste, Canteen waste,	
1	If so, what are they?	paper, plastic, Horticulture Waste etc.	
2	What is the approximate amount of waste generated per day? (in Kilograms/) (approx.)	27	
3 3	How is the waste generated in the institute managed? By	Reuse of one side printed Paper for internal communication. Kitchen waste is used to generate manures and biogas. Two types of Waste bins are provided at campus for biodegradable and non-biodegradable waste.	
3 ov	Composting Composting	In-house	
MALAP	Recycling	In-house	
THE Outs	3 Reusing	In-house //	
A TEL	4 Others (specify)		
ORAM	V + 193177	PRINCIP	



4	Do you use recycled paper in institute?	Yes
5	Do you use reused paper in institute?	Yes
6	How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify.	
7	Can you achieve zero garbage in your institute? If yes, how?	Not yet achieved. Possible through waste management plan.

Green Cover Audit			
1	Is there a garden in your institute?	Yes	
2	Do students spend time in the garden?	Yes	
	Total number of Plants in Campus	Plant type	Approx. number
3		Trees	244
		Ornamental	Not estimated
4	Number of Tree Plantation Drives organized by School per annum. (If Any)	Yes, through Nature Club and Biodiversity club plantation drives are organized.	
5	Number of Trees Planted in Last FY.	20	
3	Survival Rate	90%	

All the activities including energy consumption and waste management have their equivalent carbon emission and they positively contribute to the carbon footprint of the campus. Carbon sequestration is the reverse process, at which the emitted carbon dioxide will get sequestrated according to the type of carbon sequestration employed. Even though there are many natural sequestration processes are involved in a campus, the major type of sequestration among them is the carbon sequestration by trees.

Trees sequestrate carbon dioxide through the biochemical process of photosynthesis and it is stored as carbon in their trunk, branches, leaves and roots. The amount of carbon sequestated by a tree can be calculated by different methods. In this study, the volumetric pproach was taken into account, thus the details including CBH

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(Circumference at Breast Height), height, average age, and total number of the trees, are required. Detailed table is included in the technical supplement.

Carbon Sequestration		
Particulars	2021-23	2022-23
Total No of Trees	244	244
Carbon sequestrated by trees in the campus (tCO2e)	10.3	10.80

Carbon sequestrated by a tree can be found out by using different methods. Since this study is employed the volumetric approach, the calculation consists of five processes.

- Determining the total weight of the tree
- Determining the dry weight of the tree
- Determining the weight of carbon in the tree
- Determining the weight of CO₂ sequestrated in the tree
- Determining the weight of CO₂ sequestrated in the tree per year

Carbon sequestrated by each species of trees in the campus compound is given in the Table. Detailed calculation results are listed out in the tables provided in the technical supplements of 'Carbon sequestration'.

List of Trees and Plants		
SI. No.	Scientific Name	QTY
1	Phyllanthus emblica	18
2	Tecoma stans	1
3	Murraya paniculata	6
4	Ficus benjamina	1
5	Elaeis guineensis	3
6	Peltophorum pterocarpum	0
7	Polyalthia longifolia	2
8	Pongamia pinnata	3
9	Mangifera indica	5
SUAL UM/TH	Averrhoa bilimbi	2
11	marindus indica	4
NARLIKARA P.C	Ps dium guajava	6
MALAPBURAM (ਮਿੰਦੇ ea braziliensis	2 & /
14	rocarpus marsupium	7 (
58W0000 183	yzygium cumini	1 PRINCIP

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College, Manjeri



16	Ficus reliogiosa	3
17	Caesalpinia coriaria	7
18	Leucaena leucocephala	2
19	Saraca asoca	5
20	Caesalpinia pulcherrima	2
21	Acacia auriculiformis	3
22	Albizia saman	4
23	Callistemon citrinus	4
24	Anacradium occidentale	4
25	Hamelia patens	4
26	Chrysophyllum cainito	4
27	Ficus auriculata	5
28	Bougainvillea spectabilis	2
29	Casuarina equisitifolia	3
30	Tabernaemontana divericata	7
31	Cycas circinalis	4
32	Cocos nucifera	1
33	Ficus benghalensis	1
34	Swietenia mahagony	2
35	Plumeria rubra	5
36	Plumeria pudica	1
37	Allamanda cathartica	1
38	Codiaeum variegatum	1
39	Hibiscus rosa-sinensis	5
40	Terminalia catappa	7
41	Terminalia bellerica	3
42	Alstonia scholaris	2
43	Ixora javanica	2
44	Asperagus recemoses	1
45	Annona squamosa	1
46	Dracaena marginata	1
47	Dracaena Jragrans	3
48	Jatropha curcas	5
49	Gmelina arborea	8
50	Syzygium malaccense	1
51	Senna auriculata	4
52	Caesalpinia sappan	7
53	Hydnocarpus pentandra	1
	Vernonia elliptica	1
55	Haliconia acuminate	2
NARUKARA P.O	Minusops elengi	1
57	Figurhorbia thirukkalli	1.8.1.
58	Orlonix regia	1 (
Bu. C	**// · · · · · · · · · · · · · · · · · ·	



	·	
59	Glyricidia sepium	1
60	Simarouba amara	5
61	Passiflora edulis	1
62	Acacia mangium	4
63	Manilkara zapota	1
64	Santa/um album	1
65	Eucalyptus globulus	1
66	Tectona grandis	3
67	Briedelia retusa	1
68	Bambusa bambos	2
69	Bambusa arundinacea	6
70	Hibanobambusa tranquillans 'shiroshima'	4
71	Hymenocal/is littoralis	5
72	Vitex nigundu	2
73	Macaranga peltata	7
74	Abrus precatorius	2
75	Helicteres isora	3
76	Azadiracta indica	2
77	Lawsonia inermis	4
78	Justicia adathoda	1
79	Justicia gendarossa	4
80	Holarrhena antidysenterica	1
81	Cinnamomum zelanicum	3
82	Pimenta dioica	2
83	Annona reticulata	2
84	Moringa oleifera	2
85	Pterocarpus santalinus	1
86	Touteria campechiana	1
	Total	244
· · · · · · · · · · · · · · · · · · ·		

3.1.1 ENERGY

a. Electricity

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The total emission of the carbon dioxide per student is 20.68 kg per year. Emission reduction plans were prepared to bring the existing per capita carbon footprint to various so as to bring the campus a carbon neutral or carbon negative campus. All energy efficiency projects shall be implemented, So, the effective specific carbon emission per student is -1.23 kg of CO₂ per year only



This can be achieved in many ways but, every alternate plan must be in such a way that, it must fulfill the actual purpose of each activity that is considered.

Here, three major methods are taken in to account as the plans for reducing the carbon emission of the campus.

- Resource optimization
- Energy efficiency
- Renewable energy

Electricity Consumption

	Electricity Connection Details		
	KAHM Unity Women's College, Manjeri		
1	Name of the Consumer	KAHM Unity Women's College, Manjeri	
2	Tariff	LT-6A 3Ph	
3	Consumer Numbers	1165467009325, 1165460033834, 1165465013047, 1165467065227, 1165464065206, 1165460013720, 1165463063712	
5	Connected Load Total (kW)	98	
6	Annual Electricity Consumption (kWh)	53945	

Annua	al Electricity C	onsumption (k	(Wh)
Consumer No	2021-22	2022-23	Connected Load (kW)
1165467009325	27099	33557	80
1165460033834	29258	14698	8
1165465013047	4299	5150	10
1105467065227	0	0	1
1165464065206	0	0	1
3 NARULA 6546 00 13720	1016	502	3 ,
MALAPT 4654639 3712	325	38	2
E Oute T	61997	53945	105



RESOURCE OPTIMISATION

The effective use of resources can limit its unnecessary wastage. Optimal usage of the resources (such as fuels) can save the fuel and can also reduce the carbon emission due to its consumption. This technique can be effectively implemented in the 'transportation' and 'waste' sectors of the campus.

WASTE MINIMISATION

Optimal utilization of paper and plastic stationaries can reduce the frequency of purchase of items. This can reduce the unnecessary wastage of money as well as the excess production of waste. In the case of food, proper food habits and housekeeping practices can optimize its usage.

Currently, College is taking an appreciable effort to reduce the unnecessary production of wastes. But the campus still has opportunities to reduce the generation of waste and can improve much more. Resource optimization can be effectively implemented in all type of waste generated in the campus and the campus can expect about 50% reduction the total waste produced.



ENERGY EFFICIENCY

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Energy efficiency is the practice of reducing the energy requirements while achieving the requirements of the campus.



FUELS FOR COOKING

The campus can install a solar water heater to rise the water temperature to a much higher level, then it has to consume only very less amount of thermal energy for preparing the same amount of food. This can make a positive benefit to the campus by saving money, energy and can reduce the carbon emission of the campus due to thermal energy consumed for cooking.

TRANSPORTATION

Energy efficiency of the transportation sector is mainly depended on the fuel efficiency of the vehicles used. Here mileage of the vehicle (kmpl - Kilometres per Litre) is calculated to assess the fuel efficiency of the vehicle. Percentage of closeness is the ratio of actual mileage of the vehicle to its expected mileage. If the percentage of closeness of mileages of each vehicle is greater than that of its average, then the efficiency status of the vehicle is considered as 'Above average' and else, it is considered as 'Below average'

Renewable Energy

45kWp solar power plant is installed in the campus which helps offsetting the carbon foot print. The details of these projects are given in the concerned chapters.

After analyzing the historical and measured data the following projects are proposed to make the campus carbon neutral. The projects are from energy efficiency and renewable energy. The further additions in the green cover increase will also give positive impact in the carbon mitigation.







	OTTOTRACTIO	NS- ENER	GY AUDI	Т								
	KAHM Unity Wom											
	Greenhouse Gas Mitigation through Major Energy Efficiency Projects											
SI No	Projects	Energy saved(Yearly)				Expected Tons of CO2 mitigated through out life cycle						
		(kWh)	MWh	Years	First year ton of CO2 mitigated	E						
1	Energy Saving in Lighting by replacing existing 6 No's T5 (28W) Lamps to 18W LED Tube	95	0.10	10	0.07	0.69						
2	Energy Saving in Lighting by replacing existing 69 No's T8 (40W) Lamps to 18W LED Tube	1093	1.09	10	0.80	7.98						
3	Energy Saving in Lighting by replacing existing 17 No's CFL(15W) Lamps to 9W LED Bulb	73	0.07	10	0.05	0.54						
4	Energy Saving by replacing existing 276 No's in-efficent ceiling fans with Energy Efficient Five star fans	7790	7.79	10	5.69	56.87						
	Total	9051	9	10	6.61	66.07						

	OTTOTRACT	IONS- ENE	RGY AUI	DIT							
	KAHM Unity Women's College, Manjeri										
Greenhouse Gas Mitigation through Renewable Energy Projects											
SI No	Projects	Energy	(X	Sustainabilit y (Years)	: year ton of 2 mitigated	kpected Tons of CO2 mitigated throughout life					
		(kWh)	MWh	Years	First ₎ CO2	Expe CO thro					
1	Installation of 25kWp Solar Power Plant	34219	34.22	25	24.98	624.49					
	Total	34219	34	25	24.98	624					

NARUKARA P.O MALAPPURAM (DI)

£%.



General Environmental Awareness Ques	tionnaire
Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
Does your institute have any rules to protect the environment? List possible rules you could include.	Yes
Dose Environmental Ambient Air Quality Monitoring conducted by the Institute?	No
Dose Environmental Water and Wastewater Quality monitoring conducted by the Institute?	Yes
Dose stack monitoring of DG sets conducted by the Institute?	No
Is any warning notice, letter issued by state government bodies?	No
Dose any Hazardous waste generated by the Institute? If yes explain its category and disposal method	No
Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
Does your institute have any rules to protect the environment? List possible rules you could include.	Yes
Does housekeeping schedule in your campus?	Yes
Are students and faculties aware of environmental cleanliness ways? If Yes Explain	Yes
Does Important Days Like World Environment Day, Earth Day, and Ozone Day etc. eminent in Campus?	Yes
Does Institute participate in National and Local Environmental Protection Movement?	Yes
Does the institute have any Recognition/certification for environment friendliness?	No
Does the institute use renewable energy?	Yes
Does the Institution conduct a green/environmental audit of its campus?	Yes
Has the institution been audited / accredited by any other agency such as NABL, NABET, TQPM, NAAC etc.?	Yes (NAAC)





Best Practices and Initiatives	
Renewable Energy	Yes
Solar Power Plant	Yes
Energy Audit and Green Audit Conducted	Yes
Biogas Plant installed	No
Biodiversity Conservation	Yes
Green Cover	Yes
Tree Plantation Drives	Yes
ECO clubs	Yes
Groundwater Recharge	Yes
Rain Water Harvesting System.	Yes
Pollution Reduction Public Transportation	Yes
E Waste Management	Yes
Connected to authorized recycler	Yes
Solid Waste Management	Yes
Lifting of garbage from the campus on alternate days by the Municipal Corporation.	No
Adoption of Village	Yes
CSR	Yes
Water Conservation	Yes
Encovinceservation	Yes

NARUKARA P.O









RECOMMENDATIONS

- 1. Implement a utility monitoring program.
 - Allocate staff to carry out meter readings for electricity, waste and water on regular basis
 - monitoring data to spreadsheet so results can be viewed graphically
 - NARTHAN COMPARE WITH the utility bills meter readings in order to ensure accuracy;
- 2. Consider Jopting and implementing a sustainable procurement policy which takes in account the whole life cycle of a product, and make paure IPAL



environmental issues are written into tenders when contracting out.

- 3. Consider trialing recycled paper again many recycled brands today, such as Evolve, are just as good as virgin paper.
- 4. Trial the use of re-manufactured (i.e., refilled) ink and toner cartridges rather than purchasing new ones.
- 5. Consider producing some designated 'environmental' pages on the intranet to make it easier for staff to find environmental information. If possible, a discussion forum could be set up to allow easy internal communications and staff to make suggestions for environmental improvements.
- 6. Environmental training could be formalized and carried out for all staff. It does not have to be too long or onerous, providing it covers key points, particularly in relation to waste so all staff are aware of the legal requirements. At the very least, environmental information should be included in the induction pack.
- 7. It is strongly recommended that environmental information is also given to students and staff during induction. It is particularly important for them to be aware of what waste they can dispose of on site and where they can dispose of it, and what waste streams they must take away with them.
- 8. Consider implementing an environmental management system to incorporate all improvements and monitoring requirements. It does not need to be a complex system certified to any particular standard, merely a way of ensuring that baselines are set and progress is measured. Formation of Environment Policy and communicated to all faculties and other staff.
- 9. Plan for Zero Waste Campus Project

STATE OF STA

- 10. E-waste monthly inventory be maintained at campus as per E waste rules 2016.
- 11. A Water Meter should be installed at the institute for monitoring of water consumption per capita.
- 12. Increase in Environmental promotional activities for spreading awareness at

13. Environment/Green committee formation for regulating eco-friendly initiatives at campus premises and periphery.

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College, Manjeri





CONCLUSION

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This audit involved extensive consultation with all the campus team, interactions with key personnel on a wide range of issues related to Environmental aspects. The audit has identified several observations for making the campus premise more environmentally friendly. The recommendations are also mentioned with observations for Bharata Mata School of Legal Studies team to initiate actions.



	Carbon Foot	Print			
SI.	Particulars	2021-22	tCO2e	2022-23	tCO2e
No.	T ditiodialo	202122	10020	2022 20	.001
1	Electricity (kWh)	64256	52.69	55687	45.66
2	Diesel (L)	6072	19.43	11942	38.21
3	LPG (kg)	195.00	0.29	165.00	0.25
4	Biogas (m3)	0.00	0.00	0.00	0.000
5	Degradable Waste in kg/yr.	7792.4	4.91	7955.2	5.01
6	Paper Waste in kg/yr	77.92	0.04	79.55	0.04
	Total Carbon Foot Print tCO2e/yr		77.37		89.18

_	Net Carbon Emission after implementing Energy Efficiency projects and Renewable Energy Projects Proposed								
1	Total Carbon Foot Print tCO2e/yr	89.18							
2	Carbon Sequestrated tCO2e/yr	10.80							
3	Carbon mitigated by Renewable Energy tCO2e/yr (Installed)	47.14							
4	Carbon mitigated by Renewable Energy tCO2e/yr (Proposed)	24.98							
5	Carbon mitigated by Energy Efficiency (Proposed) tCO2e/yr	6.61							
6	Effective Carbon footprint tCO2e/yr	-0.35							
7	Total No of Students	1704							
8	Specific Carbon Footprint kg CO2e/Student/Yr	-0.21							

However, there is scope for further improvement, particularly in relation to waste minimization and energy monitoring. By implementing a basic environmental management system, current good practice can be formalized and a framework can be set up for monitoring, implementation of action plans and continual improvement.

The audit team observed that the overall site is maintained well from an environmental perspective. There are no major observations but few things are important to initiate urgently are waste management records by monthly inventory of hazardous waste, rainwater harvesting recharge; water balance cycle and

CAMPINERA P.O MALAPPURAM (DI)

periodic inspection of buildings; environment policy and initiation of composting at



References

- The Environment [Protection] Act 1986 (Amended 1991) & Rules-1986 (Amended 2010)
- The Petroleum Act: 1934 The Petroleum Rules: 2002
- The Central Motor Vehicle Act: 1988 (Amended 2011) and The Central Motor Vehicle
- Rules:1989 (Amended in 2005)
- Energy Conservation Act 2010.
- The Water [Prevention & Control Of Pollution] Act 1974 (Amended 1988) & the Water (Prevention & Control of Pollution) Rules – 1975
- The Water [Prevention & Control Of Pollution] Cess Act-1977 (Amended 2003) and Rules- 1978
- The Air [Prevention & Control Of Pollution] Act 1981 (Amended 1987) The Air (Prevention
 - & Control of Pollution) Rules 1982
- The Gas Cylinders Rules 2016 (Replaces the Gas Cylinder Rules 1981)
- E-waste management rules 2016
- Electrical Act 2003 (Amended 2001) / Rules 1956 (Amended 2006)
- The Hazardous Waste (Management and Handling and Trans-boundary Movement) Rules, 2008 (Amended 2016)
- The Noise Pollution Regulation & Control rules, 2000 (Amended 2010)
- The Batteries (Management and Handling) rules, 2001 (Amended 2010)
- Relevant Indian Standard Code practices











TECHNICAL SUPPLEMENTS



PRINCIPAL Corambavil Abama



			Lig	hts				Fa	ans			ΙŢ			Oth		
SI.N o	Location	LED-T	LED-B	8L	T5	T12	CFL	CF	EF	WF	Printer	Projector	PC	2	AC (1TR)	AC (1.5)	AC (3TR)
1	Psychology department	1						1			1		1		-		
2	4 Classrooms		8					8									
3	Maths	3	1					4									
4	Corridor	8	1														
5	Classrooms	3			1			2		2							
6	Hall									4		1					3
7	Zoology Department			2				2	1	-							
8	Zoology Lab		12		5			4		4				1			
9	Zoology Class	3		1				4	Н	•				-			
10	Psychology	2		2				3									
11	Malayalam department	1						1					1				
12	Bsc Chemistry		1					3									
13	Bsc		1					3						1			
14	Bsc Botany	3						3						1			
15	Msc Hsc	3	3					1				1	2				
16	BA History	1	1		\vdash			4	\vdash			1		1			
17	Biochemistry Lab	2	26		Н			14	1			1	2	ı	1		
17	Home science		26					14	1						1		
18	Department	1						2									<u> </u>
19	Home science Lab	2	8	12		1		5	1								ļ
20	Department	1						1									
21	Manager Room	2						2							2		
22	Department of Language	1						1		1			1				L
23	Library		24					16					27				
24	Botany Department	9	2	2				10			1	1	1				
25	Lab	17	1	1				12				2					
26	Instrumentation Room		1										7				
27	Studio	6	2										4	1		2	
28	IQAC						16			2	1		2				
29	BA English	1						3									
30	SeminarHall		35												4		
24	Physics			4				1									
31	Department			1				_ I		_				L			_
320	Corioc. Store	6	4	3													
33	Store		1		П		1	1									
34	B.Com			2	П			4						1			
	PEAMISTURE		2					2								۲ ۱	\mathcal{I}
36	Ell									1 0		1	49		ţ	4	4
3	Bsc CS		1		Н			2	Ш					<u> </u>		RIN	0.15



38	Bsc CS		1					2				1					
39	Bcom		1					3						1			
40	Msc CS		1					2									
41	Exam Hall	2		8				21									
42	History Department	1						2			1		1				
43	Class Room			1				4									
44	Department of Computer science			2				5					1				
45	Class Room	1						3						1			
46	Reception Block	1						1			1		1				
47	Canteen	12	5					8									
48	Auditorium		20					20		6							
49	Chemistry Block	2	21					24				1					
50	Indoor Stadium			32													
51	Block 3		63					47									
52	Non Resident student	10	9					15									
	Total	102	256	69	6	1	17	27 6	3	2 9	5	9	10 0	7	7	6	7





Demand/Disconnection Notice As per Reg 122 of Supply Code-2014) Manjeri South Section 0483-2755170

C#: 1165460033834

81115 6546230319630 Conn 1d 9721965 Nane N. P. M. HASSAN MAHMOO SECRETARY, MUSLIM E atus Connected AU-51/1 : Status

Pole Trans UNITY COLLEGE 4511791 906/13/170 16/03/2023 27/03/2023 Meters Bill Area : Rill Date :

Due Date : Disconn Dt: 13/04/2023 Tariff : LT-68 NDom Purpose

Hostel of NON-S S Deposit : 23103

Prev. Payment

Prv Pald Ot : 20-01-2023 Prv Pald Amt : 25904

Main Meter

Meter (MM) Status OK Load : 8 KW C Demand : 7.75 KVA Phase : 3 Load Prv Rd Dt : 18/01/2023 Prs Rd Dt : 16/03/2023 Ht Rd(ONF): 1 Readings & Cons. (MM)

Unit Curr Pray 15455 12212 KWH/A/I 243 2460

Bill Details

Fixed Charges Heter Rent 1440.00 35. 40 23187. 45 2318. 74 Energy Charges Duty Fuel Sur. Round off 214.04

Bill Raount 27196.00 Payable : 27195.00

Reserks fuel Sur. @ Rs. 09/unit Mtr Rent: 30 CGST 94: 2.7 SGST 94: 2.7

Pay Online https://wss.kseb.in AKSHAY N 9207124 Meter Reader \$8M:YT -1.45 /11002226 16-03-2023 10 :59:46 AM

NARUKARA P.O MALAPPURAM (DI) MAMER

KERALA STATE ELECTRICITY BOARD LTD

Ele, Section Razzaniania North Collenter: Electrical Section Manieri North L

Receipt No 5070220530101172 Original # 1

Consumer 1145447009325 THE PRINCIPAL of Electrical Section Manieri South

Payment Mode

4/220500075	Racc	1582	5.00	15	0al paid 826.00	balance
men.		1	0		4.00	
						2
		Total ₁₅₈₂	5.00	158	30.00	100 11/2

Remarksonnitre

Next-time pay online visit was keep in

Principal incharge KAHM Unity Women's U F11071 Spilege, Manjeri

AMBILI

ast Billed Rdg. D	ate Prev. Rd	g. Date	Prev. Meter Rdg. Stat	tus Prst. Rdg.	Date	Prst. Meter Rdg. Status Working		
01-04-2022	01-04-2)22	Working	03-05-202	2			
Power Unit	Zone	Trading	Initial Reading(IR)	Final Reading(FR)	OMF	Units*		
кwн	Cumulative	Import	464.00	554.00	20	1800		
KWH	Cumulative	Export	454.00	457.00	20	6		

Remarks:

Last Paid Amount - Rs.33515.00

Last Payment Date - 02-04-2022

ill De	etails		[INR] Amount(Rs.
a)	Fixed Charges	Fixed Charge[FC]	5200.00
	TENDO IN	Sub Total	5200.00
b)	Energy Charges	Energy Charge[EC]	11310.00
		Sub Total	11310.00
c)	Other Charges	Electricity Duty[ED]	1131.00
		Sub Total	1131.00
		Sub Total	0.00
e)	Total Amt.(Bill#65462	220500075) (a+b+c)	17641.00
ŋ	Surcharge		0.00
g)	Reconnection Fee		0.00
h)	Interim Bills		0.00
i)	Arrears	1.77	0.00
j)	Less paid/adj.		-1815.00
k)	Less Advance		-0.00
	Net Payable(e+	f+g+h+i-j-k)	15826.00

ORIAL UNITY NARUKARA P.O MALAPPURAM (DI)

Principal incharge KAHM Unity Women's College, Manjeri

Kerambayii Ahamed H Memorial Unity Women College, Manjeri

KERALA STATE ELECTRICITY BOARD LTD RECEIPT Ele Section Receipt No 5470 520402101101 Original # 1 Consumer 1/65%: 7009325 THE PRINCIPAL of Electrical Section Manager South Payment Mode ACL SHEE Total Received Rs. 33515.00(Rubees Thirty Three Thousand Five Hundred 00.00 33515.00 and Fifteen Remarksect Advance@ONCOUNTER Principal incharge KAHM Unity Women's Mext time.pay.online.wisitwsakseb.in AMBILI U TII College, Manjeri 6546220400070 nn. Id 9692014 THE PRINCIPAL JNITY WOMANS COLLEG itatus Connected AU-51/8 UNITY COLLEGE ers X1413909 ND1/1/66 Date : 01/04/2022 Date 11/04/2022 onn Dt: 25/04/2022 LT-6A NDon OSE Educational Ins posit : 38250 r (MM) Status OK 80 KW 79. 505 KVA ld Dt : 02/03/2022 d Dt : 01/04/2022 (OMF) : 20 Payment rid Dt : 04-03-2022 Id Ant : 27520 dings & Cons. Curr Cons 265 3980 173 454 453 Details SZUR III ARA P.O arges nt PRINCIPAL Kerambayii Ahamed Haji 33514.00 Memorial Unity Women's 33514.00 College, Manjeri

ns

Remarks

eter

KORAMBAYIL AHAMED HAJI MEMORIAL UNITY WOMEN'S COLLEGE, MANJERI

STUDENTS STRENGTH AS ON FEBRUARY 2023

a) 11	Natura O Nama of				Admission during the						At the end of the Month		
	Nature & Name of	3	4	5	6	7	8	9	10	11	12	13	14
1	2	1 Year	II Year	III Year			_	1 Year	II Year	III Year	1 Year	II Year	III Year
				47	1			1	1		45	40	47
1	B.Sc. Computer Sc		41	-	-			-	-		41	45	50
2	B. Sc. Chemistry	41	45	50				-			43	48	46
3	B. Sc. Botany	43	48	46							43	40	40
4	B. Sc. Family & Community	40	39	44							40	39	44
5	Science B. Sc. Mathematic	39	45	50		1	10 10 10				39	45	50
6	B.A. English	64	53	47							64	53	47
7	B.A. History	69	64	63		-					69	64	63
8	B. Com. Co-operat	67	66	60							67	66	60
9	M. A. Englsih	29	3	0		100					29	3	0
10	M. Sc. Chemistry	19	20	0	1						20	20	0
11	M. Sc. Botany	19	11	0		1 1			1 22 1		19	11	0
	Year - wise Total	476	462	407	1		-	1	1		476	461	407
	Grand Total	1345			1			2			1344		





His basis History and the history of the history of

