

Executed by



Dr. U SAIDALVI  
PRINCIPAL  
NOBLE WOMEN'S COLLEGE, MANJERI  
PULLANCHERI PO , PIN: 676 122

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# ENVIRONMENT AUDIT REPORT

## NOBLE WOMEN'S COLLEGE

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MANJERI



*Mr. S.*



Environment Audit Report  
NOBLE WOMEN'S COLLEGE, MANJERI  
EA 999, 2023

### Audit Team

#### Ottotractions

- |   |                      |                                   |
|---|----------------------|-----------------------------------|
| 1 | Er. Suresh Babu B V, | Accredited Energy Auditor, AEA 33 |
| 2 | Er. B. Zachariah,    | Director, Ottotractions           |
| 3 | Er. Abin Baby,       | Project Engineer,                 |
| 4 | Er. Devan J          | Project Engineer,                 |
| 5 | Er. Joemon J S       | Project Engineer,                 |
| 6 | Ms.Amrutha           | Data Analyst                      |
| 7 | Ms.Anjana            | Project Assistant                 |

### About OTTOTRACTIONS

*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 Energy Conservation Award 2009" for the best performance as an Energy Auditor. Ottotractions is an ISO 9001-2015, ISO 17020-2012 and ISO 14001-2015 Certified organization, which ensures the quality of its services.*

## **Acknowledgment**

We were privileged to work together with the administration and staff of Noble 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

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# INTRODUCTION

Noble Women's College has entrusted Ottotractions to carry out an environmental audit of their campus building.

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

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## BACKGROUND

To mould many young minds towards excellence through education, the management of Islahi Educational Society (I E S) Manjeri a registered charitable Society under societies Registration Act of 1860 (No 396/96) consisting of religious reformers, educationalists and social activists started NOBLE WOMEN'S COLLEGE in 2011 with an aim to uplift the Muslim Community in particular and the society in

general by providing quality and moral based education under a conducive cultural environment.

The college has all physical amenities and very efficient faculties. The college is a major hub for young women folk to undergo their higher education in a 'safe' Campus. The upliftment of the half section of the society by facilitating good quality education with cultural ethics and social values as such will lead to empowerment of women which the society and nation aspire and achieve our motto-Best Education Better Generation



Occupancy Details			
Particulars	2020-21	2021-22	2022-23
Total Students	734	845	859
Staffs	35	43	54
Total Occupancy of the college	769	888	913

Total student strength of the campus is 859. 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 additional issues.

## **1.1. Waste**

The way communities generate and manage their waste plays an absolutely key role in their ability to use resources efficiently. All buildings contain bins for both general 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 are four basic 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 during the food 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, the biogas generated is used in the kitchen. A state of art sewage treatment plant is installed in the campus

Degradable Waste Generation			
NOBLE WOMEN'S COLLEGE, MANJERI			
Particulars	2020-21	2021-22	2022-23
Total Occupancy	769	888	913
Waste generated in kg /day	7.69	17.76	18.26
Waste generated in kg /Yr	1691.8	3907.2	4017.2

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			
NOBLE WOMEN'S COLLEGE, MANJERI			
Particulars	2020-21	2021-22	2022-23
Total Occupancy	769	888	913
Waste paper generated in kg /day	0.1538	0.1776	0.1826
Waste plastic generated in kg /day	0.2307	0.2664	0.2739
Waste paper generated in kg /Yr	33.84	39.07	40.17
Waste plastic generated in kg /Yr	50.75	58.61	60.26

WASTE MINIMIZATION AND RECYCLING		
1	Does your institute generate any waste? If so, what are they?	Yes, Solid waste, Canteen waste, paper, plastic, Horticulture Waste etc.
2	What is the approximate amount of waste generated per day? (in Kilograms/) (approx.)	19
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.
	1 Composting	In-house
	2 Recycling	In-house
	3 Reusing	In-house
	4 Others (specify)	

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.	Number of awareness programs through Nature Club, Biodiversity Club and NSS Camp
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
3	Total number of Plants in Campus	Plant type
		Trees
		Ornamental
		Approx. number
		34
		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.	10
	Survival Rate	100%

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 sequestered 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 sequester 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 sequestered by a tree can be calculated by different methods. In this study, the volumetric approach was taken into account, thus the details including CBH



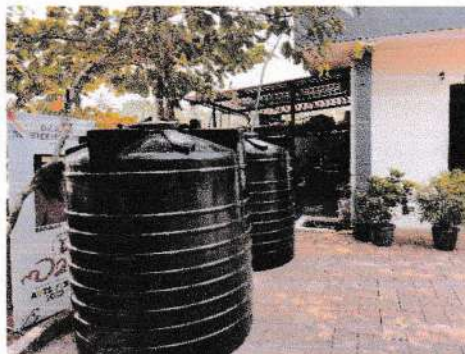
(Circumference at Breast Height), height, average age, and total number of the trees, are required. Detailed table is included in the technical supplement.

<b>Carbon Sequestration</b>			
Particulars	2020-21	2021-22	2022-23
Total No of Trees	36	36	36
Carbon sequestered by trees in the campus (tCO <sub>2</sub> e)	3.4	3.5	3.73

Carbon sequestered 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 CO<sub>2</sub> sequestered in the tree
- Determining the weight of CO<sub>2</sub> sequestered in the tree per year

Carbon sequestered 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		
Sl. No.	Name of the tree	QTY
1	Peepal Tree	18
2	Mango	1
3	Coconut tree	6
4	Arecanut	1
5	Almond tree	6
6	Java plum	2
<b>Total</b>		<b>34</b>

### 3.1.1 ENERGY

#### a. Electricity

The total emission of the carbon dioxide per student is 28.58 kg per year. Emission reduction plans were prepared to bring the existing per capita carbon footprint to zero or below 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 -3.51 kg of CO<sub>2</sub> 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.

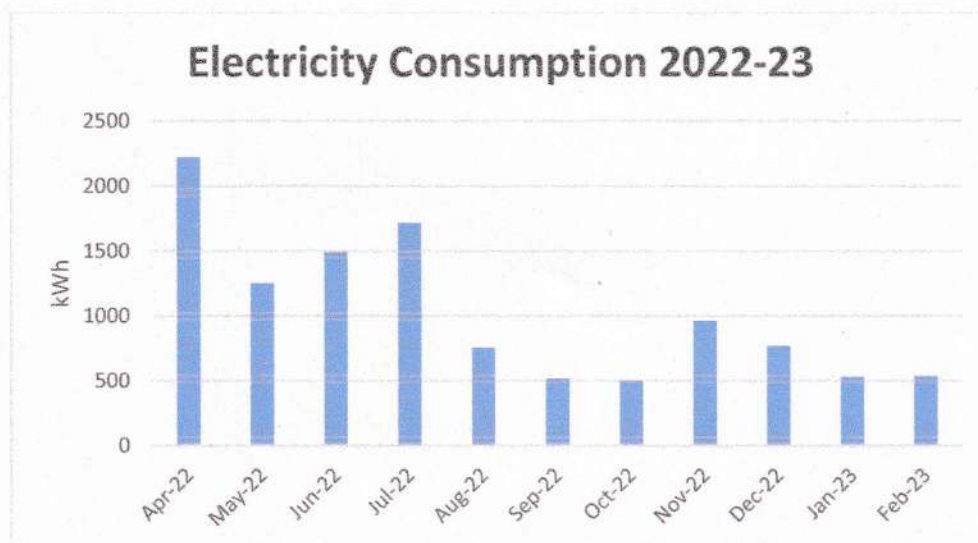
Here, three major methods are taken in to account as the plans for reducing the carbon emission of the campus.

- Resource optimization
- Energy efficiency
- Renewable energy

## Electricity Consumption

Electricity Connection Details		
NOBLE WOMEN'S COLLEGE, MANJERI		
1	Name of the Consumer	NOBLE WOMEN'S COLLEGE, MANJERI
2	Tariff	LT-6A 3Ph
3	Consumer Numbers	1165474048654
5	Connected Load Total (kW)	23
6	Annual Electricity Consumption (kWh)	6490

Annual Electricity Consumption (kWh)				
Consumer No	2020-21	2021-22	2022-23	Connected Load (kW)
1165474048654	4543	6165	6490	23
<b>Total</b>	<b>4543</b>	<b>6165</b>	<b>6490</b>	<b>23</b>



## 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

Energy efficiency is the practice of reducing the energy requirements while achieving the required energy output. Energy efficiency can be effectively implemented in all the sectors 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 - Kilometers 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

10kWp 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.



OTTOTRACTIONS- ENERGY AUDIT						
NOBLE WOMEN'S COLLEGE, MANJERI						
Greenhouse Gas Mitigation through Major Energy Efficiency Projects						
Sl No	Projects	Energy saved (Yearly)		Sustainability (Years)	First year ton of CO2 mitigated	Expected Tons of CO2 mitigated throughout life cycle
		(kWh)	MWh	Years		
1	Energy Saving in Lighting by replacing existing 7 No's T8 (40W) Lamps to 18W LED Tube	111	0.11	10	0.08	0.81
2	Energy Saving in Lighting by replacing existing 3 No's T12 (55W) Lamps to 18W LED Tube	80	0.08	10	0.06	0.58
3	Energy Saving by replacing existing 141 No's in-efficient ceiling fans with Energy Efficient Five star fans	3980	3.98	10	2.91	29.05
Total		<b>4170</b>	<b>4</b>	<b>10</b>	<b>3.04</b>	<b>30.44</b>

OTTOTRACTIONS- ENERGY AUDIT						
NOBLE WOMEN'S COLLEGE, MANJERI						
Greenhouse Gas Mitigation through Renewable Energy Projects						
Sl No	Projects	Energy saved(Yearly)		Sustainability (Years)	First year ton of CO2 mitigated	Expected Tons of CO2 mitigated through out life cycle
		(kWh)	MWh	Years		
1	Installation of 25kWp Solar Power Plant	34219	34.22	25	24.98	624.49
Total		34219	34	25	24.98	624

<b>General Environmental Awareness Questionnaire</b>	
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)

<b>Best Practices and Initiatives</b>	
Renewable Energy	Yes
Solar Power Plant	Yes
Energy Audit and Green Audit Conducted	Yes
Biogas Plant installed	Yes
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
Energy Conservation	Yes





# RECOMMENDATIONS

1. Implement a utility monitoring program.
  - Allocate staff to carry out meter readings for electricity, waste and water on regular basis
  - Add monitoring data to spreadsheet so results can be viewed graphically
  - Compare with the utility bills meter readings in order to ensure accuracy;
2. Consider adopting and implementing a sustainable procurement policy which takes into account the whole life cycle of a product, and make sure 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
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 campus.
13. Environment/Green committee formation for regulating eco-friendly initiatives at campus premises and periphery.



## CONCLUSION

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 Noble Women's College, Manjeri team to initiate actions.

Carbon Foot Print							
Sl. No.		2020-21	tCO <sub>2</sub> e	2021-22	tCO <sub>2</sub> e	2022-23	tCO <sub>2</sub> e
1	Electricity (kWh)	4543	3.73	6165	5.06	6490	5.32
2	Diesel (L)	2760	8.83	6420	20.54	7667	24.54
3	LPG (kg)	120	0.18	240	0.36	300	0.45
4	Biogas (m <sup>3</sup> )	330	0.46	330	0.46	330	0.46
5	Degradable Waste in kg/yr.	1692	1.07	3907	2.46	4017	2.53
6	Paper Waste in kg/yr	33.84	0.02	39.07	0.02	40.17	0.02
<b>Total Carbon Foot Print tCO<sub>2</sub>e/yr</b>			<b>14.28</b>		<b>28.905</b>		<b>33.32</b>

Net Carbon Emission after implementing Energy Efficiency projects and Renewable Energy Projects Proposed		
1	Total Carbon Foot Print tCO <sub>2</sub> e/yr	33.32
2	Carbon Sequestered tCO <sub>2</sub> e/yr	3.73
3	Carbon mitigated by Renewable Energy tCO <sub>2</sub> e/yr (Installed)	4.58
4	Carbon mitigated by Renewable Energy tCO <sub>2</sub> e/yr (Proposed)	24.98
5	Carbon mitigated by Energy Efficiency (Proposed) tCO <sub>2</sub> e/yr	3.04
6	Effective Carbon footprint tCO <sub>2</sub> e/yr	-3.01
7	Total No of Students	859
8	Specific Carbon Footprint kg CO <sub>2</sub> e/Student/Yr	-3.51

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

## 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

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# TECHNICAL SUPPLEMENTS

NOBLE WOMEN'S COLLEGE, MANJERI												
Sl. No	Location	Lights				Fans		IT			Others	
		LE D-T	LE D-B	T 8	T1 2	C F	W F	Printer	Projector	P C	T V	AC (1TR)
1	II MA English				1	1						
2	Alumini Room				1	1						
3	III BA English			2	1	3						
4	II BBA	2				2						
5	I BBA	2		1		3						
6	IQAC		1			1						
7	English Department	2				2		1		1		
8	Physical Education						1					
9	Library	2	16			11		3		6		
10	Computer Lab	4				7			1	5 3		
11	Classroom	1				1						
12	II BCA	1				2			1			
13	Ground Floor		10									
14	Computer Science Department		1			2			1	1		
15	I MSc Computer Science	1				1		1				
16	I M Com	1				1						
17	II MSc Computer Science	1				1						
18	III B Com	1				4			1			
19	II MA English	1				1						
20	Corridor		1									
21	I Bsc Psychology	1				2		1				
22	Sociology department	2					1	1		1		
23	Commerce and Management Studies	1				2		1		1		
24	III BSc Psychology	1				2						
25	II BSc Psychology	1				2						
26	Seminar Hall	3				4			1			
27	Psychology Lab	2				4		1		1		
28	Counciling Room					1						
29	Psychology Department	1				2		1		1		
30	I MA Sociology		1			1						
31	II MA Sociology		1			1						
32	II MSc Psychology	1				1						
33	Studio	3	2							1		
34	I BA Sociology		1			4			1			
35	II BA Sociology		1			4						
36	Bcom		2			6						



37	Auditorium	5				16							
38	I BCA	1				2							
39	Corridor		7										
40	III BCA			2		2					1		
41	II BCA			1		2			1				
42	III BA Sociology	1				1							
43	III BA English	1		1		3					1		
44	II Mcom	1				1							
45	Office	4				4	1	2			3		
46	Store	1	1			1		1					
47	Hall	4				4							
48	Principal		10			3		1		1	1		
49	Management Room	3	4			2						1	
50	Hostel 5 Rooms	10				20							
	<b>Total</b>	<b>66</b>	<b>59</b>	<b>7</b>	<b>3</b>	<b>14</b>	<b>3</b>	<b>14</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>3</b>	<b>1</b>

**KERALA STATE ELECTRICITY BOARD LIMITED**  
**ELECTRICAL SECTION, MANJERI NORTH, VYDYURHI BHAVANAM, MANJERI-676121.**  
**Phone : 0483-2766848, email : ksebmjn@gmail.com.**

**Bill & Payment history in respect of Consumer No.1165474048654**  
**(Moideen Madani, President, Islahi Educational Society, Pullancheri, Manjeri)**  
**For the period from 01-04-2020 to 28-02-2023.**

BILL HISTORY					PAYMENT HISTORY				
Date	Bill No.	Bill Amt	Paid/ Adjusted	Type	Date	Receipt No.	Amount	Mop	Type
01-02-2023	6547230200644	3968	3968	RgCC	22-02-2023	65470230222701145	3968	ADJ	OnLine
05-01-2023	6547230105427	3968	3968	RgCC	10-01-2023	65470230110701184	3968	ADJ	OnLine
01-12-2022	6547221200060	8102	8102	RgCC	07-12-2022	65470221207701067	8102	ADJ	OnLine
01-11-2022	6547221106153	8	8	Surcharge	09-11-2022	65470221109701106	7904	ADJ	OnLine
01-11-2022	6547221100046	7896	7896	RgCC	17-10-2022	65470221017701031	3964	ADJ	OnLine
01-10-2022	6547221004289	13	13	Surcharge	22-09-2022	65470220922701208	3976	ADJ	OnLine
01-10-2022	6547221000059	3951	3951	RgCC	24-08-2022	65470220824701017	5799	ADJ	OnLine
01-09-2022	6547220909307	25	25	Surcharge	25-07-2022	65470220725701107	15635	ADJ	OnLine
01-09-2022	6547220900062	3951	3951	RgCC	06-06-2022	65470220606701143	19858	ADJ	OnLine
01-08-2022	6547220800060	5799	5799	RgCC	25-05-2022	65470220525403050	893	ADJ	SDInterest
21-07-2022	6547220734778	15635	15635	RgCC	13-05-2022	65470220513701125	9597	ADJ	OnLine
01-06-2022	6547220600058	11465	11465	RgCC	13-04-2022	65470220413701210	19107	ADJ	OnLine
26-05-2022	6547220527236	9286	9286	AnulACD	12-04-2022	65470220412101207	11800	CSH	OnCounter
03-05-2022	6547220507141	13	13	Surcharge	02-04-2022	65470220402101144	1180	CSH	OnCounter
03-05-2022	6547220500047	9584	9584	RgCC	08-03-2022	65470220308701154	16454	ADJ	OnLine
12-04-2022	6547220413753	900	900	CGST-Div	08-02-2022	65470220208701190	14593	ADJ	OnLine
12-04-2022	6547220413752	900	900	SGST-Div	07-01-2022	65470220107701079	16142	ADJ	OnLine
12-04-2022	6547220413751	10000	10000	SG-RF	14-12-2021	65470211214701178	15185	ADJ	OnLine
01-04-2022	6547220400197	19107	19107	RgCC	17-11-2021	65470211117701023	8910	ADJ	OnLine
02-04-2022	6547220403231	90	90	CGST-Div	07-10-2021	65470211007701079	6876	ADJ	OnLine
02-04-2022	6547220403230	90	90	SGST-Div	09-09-2021	65470210909701051	5400	ADJ	OnLine
02-04-2022	6547220403229	1000	1000	SG-AF	09-08-2021	65470210809701014	5525	ADJ	OnLine
02-03-2022	6547220300051	16454	16454	RgCC	29-07-2021	65470210729401006	596	ADJ	ExcessSD
01-02-2022	6547220200045	14593	14593	RgCC	08-07-2021	65470210708701067	5479	ADJ	OnLine
01-01-2022	6547220105395	5	5	Surcharge	08-06-2021	65470210608701130	2520	ADJ	OnLine
01-01-2022	6547220100042	16137	16137	RgCC	05-05-2021	65470210505701051	5575	ADJ	OnLine
01-12-2021	6547211208787	18	18	Surcharge	29-04-2021	65470210429403022	1038	ADJ	SDInterest
01-12-2021	6547211200047	15167	15167	RgCC	29-04-2021	65470210429701033	16898	ADJ	OnLine
01-11-2021	6547211100052	8910	8910	RgCC	16-03-2021	65470210316701102	24968	ADJ	OnLine
01-10-2021	6547211000048	6876	6876	RgCC	21-01-2021	65470210121102148	16245	CHQ	OnCounter

01-09-2021	6547210900044	5400	5400	RgCC	17-11-2020	65470201117102069	15990	CHQ	OnCounter
02-08-2021	6547210800051	6121	6121	RgCC	27-10-2020	65470201027402010	1594	ADJ	ExcessSD
01-07-2021	6547210700047	5479	5479	RgCC	08-09-2020	65470200908701079	8656	ADJ	OnLine
01-06-2021	6547210603716	84	84	Surcharge	18-08-2020	65470200818701038	5125	ADJ	OnLine
01-06-2021	6547210600047	3474	3474	RgCC	16-07-2020	65470200716701044	5529	ADJ	OnLine
03-05-2021	6547210500049	5575	5575	RgCC	20-06-2020	65470200620701034	3055	ADJ	OnLine
03-04-2021	6547210405056	376	376	Surcharge	26-05-2020	65470200526403022	1495	ADJ	SDInterest
03-04-2021	6547210405055	612	612	Surcharge	16-05-2020	65470200516701085	11184	ADJ	OnLine
03-04-2021	6547210400045	15910	15910	RgCC					
01-03-2021	6547210300045	12178	0	RgCC-Dispute					
01-02-2021	6547210205249	27	0	Surcharge-Dispute					
01-02-2021	6547210205248	506	26	Surcharge-Dispute					
01-02-2021	6547210200510	12257	0	RgCC-Dispute					
01-01-2021	6547210100042	11891	11891	RgCC					
01-12-2020	6547201204506	3	3	Surcharge					
01-12-2020	6547201204505	256	256	Surcharge					
01-12-2020	6547201200037	14386	14386	RgCC					
02-11-2020	6547201106224	8	8	Surcharge					
02-11-2020	6547201100045	16237	16237	RgCC					
01-10-2020	6547201000047	15990	15990	RgCC					
03-09-2020	6547200906775	12	12	Surcharge					
03-09-2020	6547200900944	8644	8644	RgCC					
01-08-2020	6547200804358	10	10	Surcharge					
01-08-2020	6547200800040	5115	5115	RgCC					
01-07-2020	6547200706078	10	10	Surcharge					
01-07-2020	6547200700086	5519	5519	RgCC					
01-06-2020	6547200600035	4550	4550	RgCC					
01-05-2020	6547200500015	5588	5588	RgCC					
01-04-2020	6547200400039	5596	5596	RgCC-Rev					

Manjeri,  
17-03-2023.



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സീനിയർ സൂപ്രണ്ട് &  
പബ്ലിക് ഇൻഫർമേഷൻ ഓഫീസർ  
ഇലക്ട്രിക്കൽ സെക്ഷൻ  
മഞ്ചേരി നോർത്ത്

*[Handwritten Signature]*

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A handwritten signature in green ink.

Dr. U SAIDALVI  
PRINCIPAL  
NOBLE WOMEN'S COLLEGE, MANJERI  
PULLANCHERI PO, PIN: 676 122