ENERGY AUDIT REPORT

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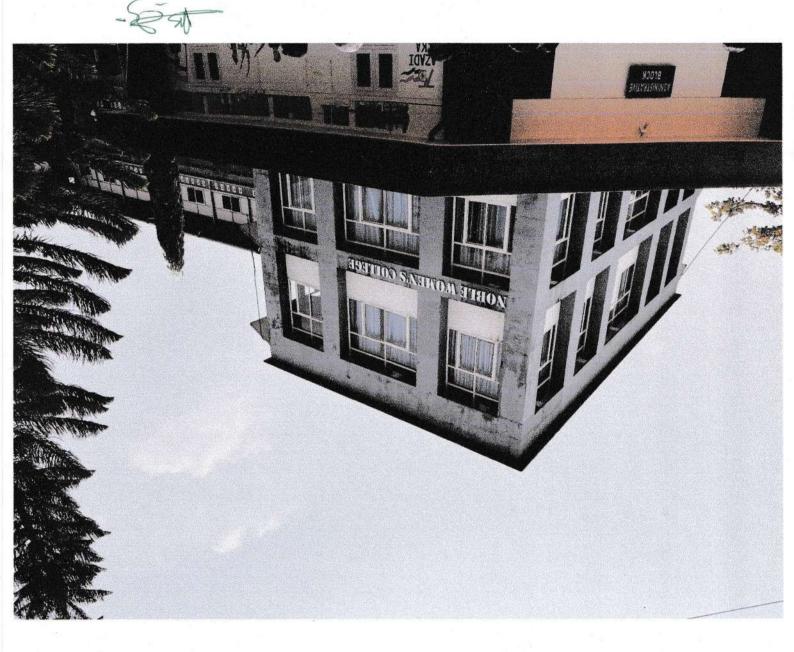






Dr. U SAIDALVI PRINCIPAL NOBLE WOMEN'S COLLEGE, MANJERI PULLANCHERI PO , PIN: 676 122





MANJERI ROBLE WOMEN'S COLLEGE ENERGY AUDIT REPORT



Energy Audit Report NOBLE WOMEN'S COLLEGE, MANJERI Report No: EA 999 2023



Empaneled Accredited Energy Auditor, AEA 33 Bureau of Energy Efficiency Government of India

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Empaneled Energy Auditor, EMCEEA-0211F, Energy Management Centre Government of Kerala.

Authorized Energy Auditor, GEDA/ENC/EAC: Autho/2014/8/103/2316, Gujarat Energy Development Agency Government of Gujarat



Empaneled Energy Auditor, India SME Technology Services Ltd A joint Venture of SIDBI, SBI, Indian Bank, Oriental Bank of Commerce & Indian Overseas Bank

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" for the best performance as an Energy Auditor.

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 audit team 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 For OTTOTRACTIONS



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Certification

This is to certify that

The data collection has been carried out diligently and truthfully;

All data monitoring devices are in good working condition and have been calibrated or certified by approved agencies authorised and no tampering of such devices has occurred;

All reasonable professional skill, care and diligence had been taken in preparing the energy audit report and the contents thereof are a true representation of the facts;

Adequate training provided to personnel involved in daily operations after implementation of recommendations; and

The energy audit has been carried out in accordance with the Bureau of Energy Efficiency (Manner and Intervals of Time for the Conduct of Energy Audit) Regulations, 2010.

> SURESH BABU B V ACCREDITED ENERGY AUDITOR (AEA 33) BUREAU OF ENERGY EFFICIENCY GOVERNMENT OF INDIA



	Consolidated Cost Benefit Analysis of NOBLE WOMEN'S				.0,000
SI No	Projects	Investment	Cost saving	SPB	Energy saved
NO		(Lakhs Rs)	(Rs)/Yr	Months	kWh/Yr
1	Energy Saving in Lighting by replacing existing 7 No's T8 (40W) Lamps to 18W LED Tube	0.02	0.008	32.01	111
2	Energy Saving in Lighting by replacing existing 3 No's T12 (55W) Lamps to 18W LED Tube	0.01	0.011	10.13	80
3	Energy Saving by replacing existing 141 No's in-efficient ceiling fans with Energy Efficient Five-star fans	4.23	0.283	179.65	3980
4	Installation of 25kWp Solar Power Plant	13.75	4.551	36.26	34219
	Total	18.01	4.85	258.05	38389





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Introduction

A detailed energy audit has been carried out at Noble Women's College by OTTOTRACTIONS in March 2023. During the energy audit energy saving opportunities has been identified to help improving energy efficiency of the facility. OTTOTRACTIONS is an Accredited Energy Auditor of Bureau of Energy Efficiency and Empaneled Energy Auditor of Energy Management Centre, Government of Kerala.

This energy audit report complies with the clauses in *Energy Conservation Act,* 2001 on mandatory energy audit (**Form 4** [refer regulation 6(2)] guidelines for preparation of energy audit report) and complies with the G.O (Rt) No.2/2011/PD dated 01.01.2011 issued by Government of Kerala on mandatory energy audit.

1.1. General Building details and descriptions

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					

For calculating specific energy consumption, the total built-up area is taken into account.

Energy audit team

The Energy Audit team is listed below. Besides this list various domine experts also participated in this project.

- 1. Suresh Babu B V, Accredited Energy Auditor, AEA 33
- 2. B. Zachariah, Chief Technical Consultant
- 3. Abin Baby, Project Engineer
- 4. Devan J, Project Engineer
- 5. Jomon J S, Project Engineer
- 6. Amrutha A M, Data Analyst
- 7. Anjana B S, Project Assistant

2

Process Description

The energy audit has been carried out at Noble Women's College. The following is the baseline data of this building.

		Form-A					
	BASELINE DATA SI	HEET F	OR G	REEN	AUDIT		
1	Name of the Organisation	NOBLE WOMEN'S COLLEGE, MANJER					
2	Address (include telephone, fax & e-mail)	Noble Campus, Vettekode, Pullancheri P.O, Manjeri Malappuram Dist, Pin:67612 0483- 2766 364, principal@naasmanjeri.org					
2	Year of Establishment	2011					
3	Name of building and Total No. of Electrical Connections/building	NOBLE WOMEN'S COLLEGE					
4	Total Number of Students	Boys		Girls	859	Total	859
5	Total Number of Staff				54		
6	Total Occupancy				913		
7	Total area of green cover				50%		
8	Type of Electrical Connection	HT	0	LT		1	
9	Total Connected Load (kW)				23		
10	Average Maximum Demand (KVA)		1		-		
11	Total built up area of the building (M ²)				3500		
12	Number of Buildings				1		
13	Average system Power Factor				0.98		
14	Details of capacitors connected				NA		
15	Transformer Details (Nos., kVA, Voltage ratio)	TR 1 NA					
15	DG Set Details (kVA)	DG1 3	DG2	DG3	DG4	DG5	Remarks



3 Energy and Utility System Description

3.1.1 Electricity

Electricity is purchased from KSEB under LT 6A, the details are given below. A 3 kVA Generator are in operation at this campus

	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								

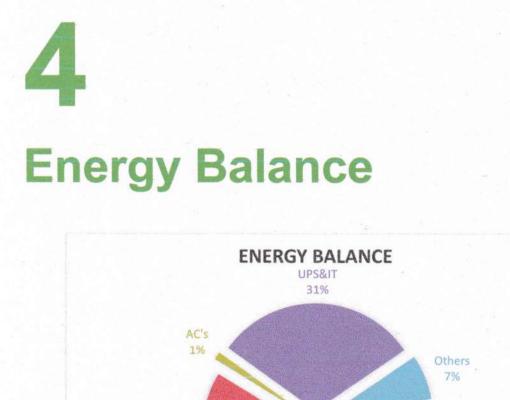
3.2. Thermal Energy / Transportation

There are Two bus operated from college for transportation. LPG is used for cooking in the canteen and diesel is used to operate Diesel Generators.



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Fans 51%

51 % of the total energy consumed in this facility is used to operate Fans. Lighting uses 10% AC uses 1% and Others uses 7%

Lights 10%



5 Performance Evaluation Of Major Utilities And Process Equipment's /Systems.

5.1. List of equipment and process where performance testing was done.

- 5.1.1. Electrical System
- 5.1.2. Lighting & Fans

5.2. Results of performance testing

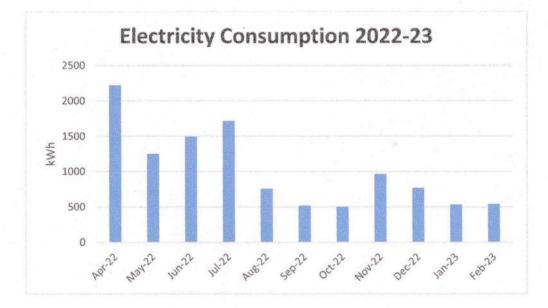
5.2.1. Electrical System

The average unit cost of electricity is **8.02 Rs/kWh**. This is taken as the basis for the financial analysis of electrical energy efficiency projects. The information on average energy consumption is taken from the historical electricity bill analysis.

Electricity Consumption

1

Name of the C	Consumer	NOBLE WOMEN'S COLLEGE, MANJER						
Connected load 23		Consumer no	1165474048654					
Tariff	LT-6A 3Ph	Section	Manjeri N	lorth				
Manth	kWh	kWh	Rs	Rs/kwh				
Month	Import	Export	(Total)	RS/KWN				
Apr-22	2222	476	19107	8.60				
May-22	1251	347	9584	7.66				
Jun-22	1497	297	11465	7.66				
Jul-22	1718	343	15635	9.10				
Aug-22	757	432	5799	7.66				
Sep-22	519	644	3976	7.66				
Oct-22	503	556	3964	7.88				
Nov-22	964	471	7899	8.19				
Dec-22	771	308	8107	10.51				
Jan-23	533	695	3968	7.44				
Feb-23	3 542 605	605	3968	7.32				
Mar-23	794	407	5207	6.56				





Diesel

The campus has Two College bus set in operation. The details of Diesel consumption is given below.

Diesel Consumption Details									
	Transportation	Generator	Total	cost					
	in L	in L	in L	in Rs					
20-21	2760	0	2760	262200					
21-22	6420	0	6420	609900					
22-23	7667	0	7667	728388					

A	nnual Electri	icity Consur	nption (kWh	
Consumer No	2020-21	2021-22	2022-23	Connected Load (kW)
1165474048654	4543	6165	6490	23
Total	4543	6165	6490	23

	Base L	ine Energy Dat	a	
	NOBLE WOMEN	V'S COLLEGE,	MANJERI	
		2020-21	2021-22	2022-23
1	Electricity KSEB (kWh)	4543	6165	6490
2	Electricity Solar , Off grid (kWh)	0.00	0.00	0.00
3	Electricity (KSEB + Off grid) kWh	4543	6165	6490
4	Electricity Grid Tied (kWh)	5581	5581	5581
5	Diesel (L)	2760	6420	7667
6	LPG (kg)	120	240	300.00
7	Biogas (m3)	330.00	330.00	330.00

	Ener	gy Consumption Pro	ofile	
SI	Fuel	2020-21	2021-22	2022-23
No		(kCal)	(kCal)	(kCal)
1	Electricity	3906882	5302197	5581260
2	Diesel	28980000	67410000	80506042
3	LPG	1440000	2880000	3600000
4	Biogas	1155000	1155000	1155000
	Total	35481882	76747197	90842302

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Solar Power Plant

Solar Pe	ower Plant
Capacity (kWp)	Annual Generation
10	5581

Lighting

		NOB	LE WO		3 001			JERI			-	
~	Location	Lights			Fans		IT			Others		
SI. No		LED -T	LED -B	Т8	T1 2	CF	W F	Print er	Projec tor	PC	T V	AC (1TR)
1	II MA English				1	1						
2	Alumini Room				1	1		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.	1		
8	Physical Education						1					
9	Library	2	16			11		3		6		
10	Computer Lab	4				7			1	53		
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	1					
26	Seminar Hall	3			-	4		-	1			

	Power	132 0	590	28 0	16 5	112 80	18 0	1400	840	140 00	30 0	1200
	Wattage	20	10	40	55	80	60	100	120	200	10 0	1200
	Total	66	59	7	3	141	3	14	7	70	3	1
50	Hostel 5 Rooms	10				20						
49	Management Room	3	4			2	-					1
48	Principal		10			3		1		1	1	
47	Hall	4				4						
46	Store	1	1			1		1				
45	Office	4				4	1	2		3		
44	II Mcom	1				1		-				
43	III BA English	1		1		3		12			1	
42	III BA Sociology	1				1						
41	II BCA			1		2		2	1			
40	III BCA			2		2					1	
39	Corridor	-	7									
38	1 BCA	1				2						
37	Auditorium	5				16						10 1 1 K 3
36	Bcom		2	1		6						1
35	II BA Sociology		1			4						
34	I BA Sociology		1			4		-	1			
33	Studio	3	2							1		
32	II MSc Psychology	1				1						
31	II MA Sociology		1			1						
30	I MA Sociology		1			1			1.1			
29	Psychology Department	1				2	-	1		1		
28	Psychology Lab Counciling Room					1						1
27		2			e at	4	2 24	1		1 1		



LUX MEASUREMENTS

SI. No:	Location	Lux Avg
1	IBBA	57
2	English Department	67
3	Physical Education	55
4	Library	67
5	Computer Lab	65
6	Classroom	67
7	II BCA	78
8	Ground Floor	71
9	Computer Science Department	73
10	I MSc Computer Science	84
11	I M Com	67
12	II MSc Computer Science	68
13	III BSc Psychology	67
14	II BSc Psychology	66
15	Seminar Hall	76
16	Psychology Lab	64
17	Counselling Room	98
18	Psychology Department	71
19	I MA Sociology	67
20	II MA Sociology	65
21	II MSc Psychology	67
22	Studio	78
23	I BA Sociology	71
24	II BA Sociology	73
25	BCom	84
26	Auditorium	67
27	IBCA	68
28	III BCA	76
29	II BCA	81
30	III BA Sociology	84



6

Energy Efficiency in Utility and Process System

The specific energy consumption is normally taken as the ratio of total energy consumed to the total are of building.

	OTTOTRACTIO	NS-ENERGY A	UDIT	
	NOBLE WOMEN'S	COLLEGE, MA	NJERI	
	Energy Perfor	mance Index (E	PI)	
SI No	Particulars	2020-21	2021-22	2022-23
1	Total building area (m ²)	3500	3500	3500
2	Annual Energy Consumption (kCal)	35481882	76747197	90842302
3	Annual Energy Consumption (kWh)	41258	89241	105631
4	Total Energy in Toe	3.55	7.67	9.08
5	Specific Energy Consumption kWh/m ²	11.79	25.50	30.18

The Energy Performance Index (EPI) is

30.18 kWh/m²

The EPI of 2022-23 may be taken as benchmark.



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7 Evaluation of Energy Management System

Energy management policy

There is no written energy policy available, but environment policy is available which includes energy conservation also. A draft energy management policy is given below. The management may constitute an energy management policy and display the same in the plant to motivate the staff.

NOBLE WOMEN'S COLLEGE, MANJERI

ENERGY POLICY

(Draft)

We are committed to optimally utilize various forms of energy in a cost effective manner to effect conservation of energy resources. We are committed

to conserve the energy which is a scarce resource with the requisite consistency in the efficiency, effectiveness in the cost involved in the operations and ensuring that production quality and quantity, environment, safety, health of people are maintained. We are also committed to increase the renewable energy share of the total energy we use.

We are also committed to monitor continuously the saving achieved and reduce its specific energy consumption by minimum of 2% every year.

Date -----

Head of the Institution

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7.1. Energy management monitoring system

- Energy Management Cell has to be constituted with an objective to revise action plan for energy conservation thereby reducing the production cost.
- Energy conservation tips/ posters are displayed in crucial points.
- Use of renewable energy has to be encouraged.

7.2. Training to staff responsible for operational and Documentation.

- The staff and students need to be made more aware of the importance of energy saving and management.
- Log books shall be maintained to record Electricity Consumption and Diesel consumption.
- Meter reading shall be taken and compared with KSEB regularly.
- Better operating practices regarding appliances and fixtures should be taught to the staff.

7.3. Best Practices

- Have solid waste management program
- Conducted Green Audit.
- Have different social and environmental clubs
- Installed LED bulbs
- Conducted Energy Conservation Training Programs
- Installed Solar Power Plant



8

Energy Conservation Measures and Recommendations

	Consolidated Cost Benefit Analysis of B NOBLE WOMEN'S (the second s		venient i	0,0010
SI	Projects	Investment	Cost	SPB	Energy saved
No		(Lakhs Rs)	(Rs)/Yr	Months	kWh/Yr
1	Energy Saving in Lighting by replacing existing 7 No's T8 (40W) Lamps to 18W LED Tube	0.02	0.008	32.01	111
2	Energy Saving in Lighting by replacing existing 3 No's T12 (55W) Lamps to 18W LED Tube	0.01	0.011	10.13	80
3	Energy Saving by replacing existing 141 No's in-efficient ceiling fans with Energy Efficient Five star fans	4.23	0.283	179.65	3980
4	Installation of 25kWp Solar Power Plant	13.75	4.551	36.26	34219
	Total	18.01	4.85	258.05	38389

Energy Saving Proposal Code 1

Energy Saving in Lighting by replacing existing 7 No's T8 (40W) Lamps to 18W LED Tube

Existing Scenario

7 numbers of T8(40 W) lamps were identified during the energy audit field survey in the facility. During discussion with officers it is observed that the average utility of these fittings are of 30%.

Proposed System

The existing T8 may be replaced to LED Tube of 18W in phased manner and the savings will be of 55% (inclusive of improved light output and reduced energy consumption)

Financial Analysis	
Annual working hours (hr)	2400
No of fittings	7
Total load (kW)	0.28
Annual Energy Consumption (kWh)	202
Expected Annual Energy saving for replacing all fittings (kWh)	111
Cost of Power	7.10
Annual saving in Lakhs Rs (1st year)	0.01
Investment required for complete replacements [@Rs 300 per fittings] (Lakhs Rs)	0.02
Simple Pay Back (in Months)	32.01

OTTOTRACTIONS- ENERGY A	UDIT
Energy Saving Proposal Cod	e
Energy Saving in Lighting by replacing existing 3 No LED Tube	's T12 (55W) Lamps to 18W
Existing Scenario	
257 numbers of T12(55 W) lamps were identified during th the facility. During discussion with officers it is observed th fittings are of 30%.	
Proposed System	
The existing T12 may be replaced to LED Tube of 18W in savings will be of 67% (inclusive of improved light output a consumption)	
Financial Analysis	
Annual working hours (hr)	2400
No of fittings	3
Total load (kW)	0.17
Annual Energy Consumption (kWh)	119
Expected Annual Energy saving for replacing all fittings (kWh)	80
Cost of Power	13.39
Annual saving in Lakhs Rs (1st year)	0.01
Investment required for complete replacements [@Rs 300 per fittings](Lakhs Rs)	0.01
Simple Pay Back (in Months)	10.13
Simple Pay Back (in Months)	10.13



OTTOTRACTIONS- ENERGY AUDIT

Energy Saving Proposal

Energy Saving by replacing existing 141 No's in-efficent ceiling fans with Energy Efficient Five star fans

Existing Scenario

There are 141 numbers of ceiling fans installed in the facility with minimum 8 hrs a day operation. All are conventional type and most of them are very old.

Proposed System

There is an energy saving opportunity in replace the existing fans with new five star labelled fans. The five star labelled fans give a savings up to 30% with higher service value (air delivery/watt).

Financial Analysis

i mancial Analysis	
Annual working hours (hrs)	2400
Total numbers of ordinary fans	141
Total load (kW)	9.87
Annual Energy Consumption (kWh)	14213
Expected Annual Energy saving, for total replacement(kWh)	3980
Cost of Power (Rs)	7.10
Annual saving in Lakhs Rs (1st year)	0.28
Investment required for a total replacement (Lakhs Rs)[@3000 Rs per Fan with 50W at full speed]	4.23
Simple Pay Back (in Months)	179.65

Energy Saving Proposal	
Installation of 25kWp Solar Power Plant	
Existing Scenario	
There is a good potential of solar power electricity generation. The avail is very high. There are some canopies available in the proposed site, bu proper trimming of trees this may be avoided. If the SPVs are place in the help improving RTTV (Roof Thermal Transmit Value) of the building.	ut by having
Proposed System	
It is proposed to have a Solar Power Plant of 10kW at the beginning state central government is pushing and giving good assistance to the installar installed as an internal grid connected system which is much cheaper the system. Now days the technology provides trouble free grid interactive a system. The installation will provide 25yrs trouble free generation with or efficiency loss at the 25th year.	ation. It can be nan off grid and connected
	any 2076
Financial Analysis	
Financial Analysis Proposed Solar installed Capacity (kW)	25
Financial Analysis Proposed Solar installed Capacity (kW) Total average kWh per day expected (3.5kWh/day average)	25 93.75
Financial Analysis Proposed Solar installed Capacity (kW) Total average kWh per day expected (3.5kWh/day average) Total annual Generating Capacity (kWh)	25 93.75 34219
Financial Analysis Proposed Solar installed Capacity (kW) Total average kWh per day expected (3.5kWh/day average) Total annual Generating Capacity (kWh) Cost of energy generated annually Lakhs Rs	25 93.75 34219 4.55
Financial Analysis Proposed Solar installed Capacity (kW) Total average kWh per day expected (3.5kWh/day average) Total annual Generating Capacity (kWh) Cost of energy generated annually Lakhs Rs Investment required (INR lakh)(Approx)	25 93.75 34219 4.55 13.75
Financial Analysis Proposed Solar installed Capacity (kW) Total average kWh per day expected (3.5kWh/day average) Total annual Generating Capacity (kWh) Cost of energy generated annually Lakhs Rs	25 93.75 34219 4.55 13.75 36.26 25

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Technical Supplements

		NOBL	E WOME	N'S C	OLLEG	E, MA	NJERI					
			Lights	;		Fa	ns		IT	2010		Others
SI.No	Location	LED-T	LED-B	T8	T12	CF	WF	Printer	Projector	PC	TV	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					6	1					
9	Library	2	16			11		3		6		
10	Computer Lab	4				7			1	53		
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		1						

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										0	
18	III B Com	1		1_1-	4			1	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				

Energy Audit Report 2023 EA 999- Noble women's College, Manjeri

_	Wattage Power	20	10 590	40 280	55 165	80 11280	60 180	100 1400	120 840	200	100 300	1200
	Total	66	59	7	3	141	3	14	7	70	3	1
50	Hostel 5 Rooms	10			-	20				-		_
49	Management Room	3	4		1.	2						1
48	Principal		10			3		1		1	1	
47	Hall	4			1	4						

Energy Audit Report 2023 EA 999- Noble women's College, Manjeri



Name of the	Consumer	NOBLE WOMEN'S COLLEGE, MANJERI						
Connected load 23		Consumer no	1165474048654					
Tariff	LT-6A 3Ph	Section	Manjeri North					
884L	kWh	kWh	De (Tetel)	Rs/kwh				
Month	Import	Export	Rs (Total)					
Apr-22	2222	2222 476		8.60				
May-22	1251	347	9584	7.66				
Jun-22	1497	297	11465	7.66				
Jul-22	1718	343	15635	9.10				
Aug-22	757	432	5799	7.66				
Sep-22	519	644	3976	7.66				
Oct-22	503	556	3964	7.88				
Nov-22	964	471	7899	8.19				
Dec-22	771	308	8107	10.51				
Jan-23	533	695	3968	7.44				
Feb-23	542	605	3968	7.32				
Mar-23	794	407	5207	6.56				

Energy Audit Report 2023 EA 999- Noble women's College, Manjeri

KERALA STATE EECTRICITY 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	Туре	Date	Receipt No.	Amount	Мор	Туре	
01-02-2023	6547230200644	3968	3968	RgCC	22-02-2023	65470230222701145	3968	ADJ	OnLin	
05-01-2023	6547230105427	3968	3968	RgCC	10-01-2023	65470230110701184	3968	ADJ	OnLin	
01-12-2022	6547221200060	8102	8102	RgCC	07-12-2022	65470221207701067	8102	ADJ	OnLin	
01-11-2022	6547221106153	8	8	Surcharge	09-11-2022	65470221109701106	7904	ADJ	OnLin	
01-11-2022	6547221100046	7896	7896	RgCC	17-10-2022	65470221017701031	3964	ADJ	OnLin	
01-10-2022	6547221004289	13	13	Surcharge	22-09-2022	65470220922701208	3976	ADJ	OnLin	
01-10-2022	6547221000059	3951	3951	RgCC	24-08-2022	65470220824701017	5799	ADJ	OnLin	
01-09-2022	6547220909307	25	25	Surcharge	25-07-2022	65470220725701107	15635	ADJ	OnLin	
01-09-2022	6547220900062	3951	3951	RgCC	06-06-2022	65470220606701143	19858	ADJ	OnLin	
01-08-2022	6547220800060	5799	5799	RgCC	25-05-2022	65470220525403050	893	ADJ	SDInter	
21-07-2022	6547220734778	15635	15635	RgCC	13-05-2022	65470220513701125	9597	ADJ	OnLin	
01-06-2022	6547220600058	11465	11465	RgCC	13-04-2022	65470220413701210	19107	ADJ	OnLin	
26-05-2022	6547220527236	9286	9286	AnulACD	12-04-2022	65470220412101207	11800	CSH	OnCoun	
03-05-2022	6547220507141	13	13	Surcharge	02-04-2022	65470220402101144	1180	CSH	OnCoun	
03-05-2022	6547220500047	9584	9584	RgCC	08-03-2022	65470220308701154	16454	ADJ	OnLin	
12-04-2022	6547220413753	900	900	CGST-Div	08-02-2022	65470220208701190	14593	ADJ	OnLin	
12-04-2022	6547220413752	900	900	SGST-Div	07-01-2022	65470220107701079	16142	ADJ	OnLin	
12-04-2022	6547220413751	10000	10000	SG-RF	14-12-2021	65470211214701178	15185	ADJ	OnLin	
01-04-2022	6547220400197	19107	19107	RgCC	17-11-2021	65470211117701023	8910	ADJ	OnLin	
02-04-2022	6547220403231	90	90	CGST-Div	07-10-2021	65470211007701079	6876	ADJ	OnLin	
02-04-2022	6547220403230	90	90	SGST-Div	09-09-2021	65470210909701051	5400	ADJ	OnLin	
02-04-2022	6547220403229	1000	1000	SG-AF	09-08-2021		5525	ADJ	OnLin	
02-03-2022	6547220300051	16454	16454	RgCC	29-07-2021	65470210729401006	596	ADJ	Excess	
01-02-2022	6547220200045	14593	14593	RgCC	08-07-2021	65470210708701067	5479	ADJ	OnLin	
01-01-2022	6547220105395	5	5	Surcharge	08-06-2021	65470210608701130	2520	ADJ	OnLin	
01-01-2022	6547220100042	16137	16137	RgCC	05-05-2021	65470210505701051	5575	ADJ	OnLin	
01-12-2021	6547211208787	18	18	Surcharge	29-04-2021	65470210429403022	1038	ADJ	SDInter	
01-12-2021	6547211200047	15167	15167	RgCÇ	29-04-2021	65470210429701033	16898	ADJ	OnLin	
01-11-2021	6547211100052	8910	8910	1	16-03-2021	65470210316701102	24968	ADJ	OnLin	
01-10-2021	6547211000048	6876	6876		21-01-2021	65470210121102148	16245	CHQ	OnCour	

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Sheet1

Sheet1

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	L				
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					

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Manjeri, 17-03-2023.

SSISTA S.E. BOARD LTD. MANJERI NORTH YEER * TRICALS

സിനിയർ സൂപ്രങ് 6 പബ്ലിക് ഇൻഫർമേഷൻ ഓഫീസർ ഇലക്ട്രിക്കൽ സെക്ഷൻ മഞ്ഞിരി നോർത്ത്





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