



# ENERGY AUDIT

**DHARMASALA COLLEGE  
DHARMASALA, DHUBRI, ASSAM**



**Period: 2023-2024**

**AFFILIATED TO GAUHATI UNIVERSITY**

**Website: [www.dharmasalacollege.com](http://www.dharmasalacollege.com)**

**Email Id: [dharmasala.college175@gmail.com](mailto:dharmasala.college175@gmail.com)**

## Introduction:

Dharmasala College was established in the year 1993 and one of the growing institutes in the western part of Dhubri district of Assam. The college is located in the rural area at a distance of 15 KM from the Dhubri town.

Energy Auditing is a regular procedure of assessing energy consumption and its analysis. This report shows the energy audit of the Dharmasala College after verifying all electrical loads, its connection and utilization of electricity.

## Electrical Load of the Campus:

The electricity supply to Dharmasala College is provided by the Assam Power Distribution Company Limited (APDCL), Assam.

Consumer No. 047000015912

Connected Load: 1KW

Supply Voltage Level: LT

Contracted Demand in KVA: 1.00

The following sections show details of electrical gadgets used by various academic and administrative blocks of the college.

### (a) Academic Block:

Sl. No.	Department	Fan	Light	Computer	Printer	UPS
1	Arabic	1	1			
2	Assamese	1	1			
3	Economics	1	1			
4	Education	1	1			
5	English	1	1			
6	History	1	1			
7	Political Science	1	1			
8	Philosophy	1	1			
9	Sanskrit	1	1			

### (b) Class Room:

Sl. No.	Room No.	Fan	Light	Computer	Printer	UPS
1	Room No.3	5	3			
2	Room No.4	5	4			
3	Room No.5	5	3			
4	Digital Room	4	5			
5	Auditorium Hall	10	7			



**(c) Administrative Block:**

Sl. No.	Type	Fan	Light	Computer	Printer	UPS
1	Principal	2	1			1
2	Office-1	2	2	2	2	
3	Office-2	2	1	1		
4	IQAC	4	2	1		1
5	Library	4	3	1	1	1
6	Corridor		1			

**(d) Other:**

Sl. No.	Type	Fan	Light	Computer	Printer	UPS
1	Girls' Common Room	4	3			

In addition to all the above gadgets, the following electrical appliances are also available in the college.

Sl. No.	Electrical Items	Rating	Quantity
1	Water Pump	0.5 KW	1
2	Kent RO	60 W	1
3	AI Face Biometric		1
4	Wifi		1
5	Projector		1
6	MCB		4
7	Sound System	200 W	1

**Switches:**

There are appropriate and sufficient numbers of MCBs and Isolators for maintaining and protecting the equipments.

**(e) Energy Consumption Data:**

The trend of utilization of electrical gadgets and other appliances are reflected in the monthly bills of energy consumption. The energy consumption data are presented below for seven months only from January 2024 to July 2024.

Month	Energy Consumption	Monthly bills
January, 2024	205.00	1865/-

February, 2024	220.00	1959/-
March, 2024	123.00	1153/-
April, 2024	97.00	926/-
May, 2024	88.00	843/-
June, 2024	107.00	2244/-

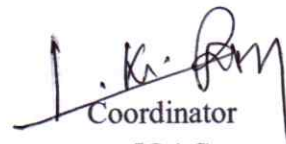
(f) **Conclusion:**

The college has been taking lot of initiative to create awareness among the students, teachers and other stakeholders to make the college campus an energy efficient campus. With the rising awareness on the necessity to save energy, the college has resorted to ways and means for saving electricity. Efforts have been made to shift to renewable energy phase wise. The college has taken steps to replace conventional electric bulbs with LED bulbs to save energy to some extent.



Principal  
Dharmasala College

**Principal,  
DHARMASALA COLLEGE**



Coordinator  
IQAC  
Dharmasala College  
**Coordinator,  
IQAC  
Dharmasala College**





# Assam Power Distribution Company Ltd

ELECTRICAL SUB-DIVISION/IRCA: Gauripur


CIN: U40109AS2003SGC007242

GSTIN: 18AABCL1354J1ZJ

ELECTRICITY BILL

website : www.apdcl.org

Centralized Customer Care Number : 1912

Consumer Name: PRINCIPAL DHARMASALA COLLEGE Address: DHARMSALA	Consumer Number: 047000015912 Old Consumer Number: B1328 DTR Number: 125 Pole Number: 000 Connected Load in KW: 1.00 Contracted Demand in KVA: 1.00 Load Security: 1150.00 Meter Number: LT565806	Bill Amount: 1758.00 Due Date: 26-Jul-2024 Bill Number: 904188332 Bill Period: 02-Jun-2024 To 01-Jul-2024 Bill Date: 11-Jul-2024 Number of Days: 30 Meter Status: Running Billing Status: Normal
Contact Number : 9957365098 Email: Supply Voltage Level: LT Tariff Category: LT V(B) GENERAL PURPOSE (EDUCA)		 047000015912

## Meter Reading Details

Reading Type	Meter Number	MF	Previous Reading in KWh	Previous Export in KWh	Current Reading in KWh	Current Export in KWh	Difference Reading in KWh	Difference Export in KWh
KWh (Normal)	LT565806	1.00	2651.00	0	2861.00	0	210.00	0
		0	0	0	0	0	0	0

Unit Consumed	PF Penalty/Rebate	LT Metering Penalty @ 3%	DTR Penalty @ 10%	HT Rebate @ 3%	Billable Units in KWh
210.00	0				210.00
0	0				0
Recorded Demand (in KVA)	0	Maximum Demand (in KVA)	0	Billing Demand (in KVA) 1.00	Average Power Factor 85.00
Power on Hours	0	Freeze Amount	0	Availability Percentage	

## FPPPA Details

Slab-1 (Unit   Rate   Charge)	Slab-2 (Unit   Rate   Charge)	Slab-3 (Unit   Rate   Charge)	Slab-4 (Unit   Rate   Charge)	Slab-5 (Unit   Rate   Charge)
210.00   1.29   270.90	0   0   0	0   0   0	0   0   0	0   0   0

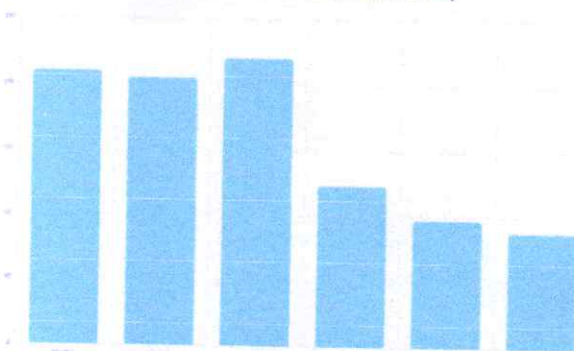
## Billing Details

Current Demand	Outstanding Amount	Adjustment Amount	Government Subsidy	Solar Rebate	Net Bill Amount
1874.53	0	116.47	0	0	1758.00
					In Words: Rupees One Thousand Seven Hundred Fifty Eight Only

PLEASE PAY YOUR BILL ON TIME AND HELP US TO SERVE YOU BETTER

Load Security Interest/Refund of Rs.116.47 has been credited.

Energy Consumption (Last 6 Months' Bill)



Consumption & payment history of last 6 electricity bills (Bill#1 being the latest bill prior to this current bill)

	Bill#1	Bill#2	Bill#3	Bill#4	Bill#5	Bill#6
Unit Consumed	205.00	220.00	123.00	97.00	88.00	107.00
Bill Amount (in Rs.)	1865.00	1959.00	1153.00	926.00	843.00	2244.00
Payment (in Rs.)	1865.00	1959.00	1153.00	926.00	843.00	2244.00

## Charges Breakup

Details	Units	Rate	Amount
Energy Charge	210.00	6.85	1438.50
	0	0	0
	0	0	0
	0	0	0
	0	0	0
Total Energy Charge			1438.50
Energy Charge ReEstimated			0
Demand/Fixed Charge	1.00	90.00	88.77
FPPPA Charge			270.90
Electricity Duty		5.00	76.36
Government Subsidy		0	0
Meter Rent		20.00	0
Transformer M D Charge			
Overdrawal Penalty			0
Adjustment Amount			116.47
Charges for dishonoured cheque			0
Arrear Principal			0
Arrear Surcharge			0
Current Surcharge			0
Misc. Arrear			0
Rebate if paid before due date			0
Payable amount before due date			0
Payable amount after due date			1758.00

*[Signature]*  
Principal,  
DHARMSALA COLLEGE





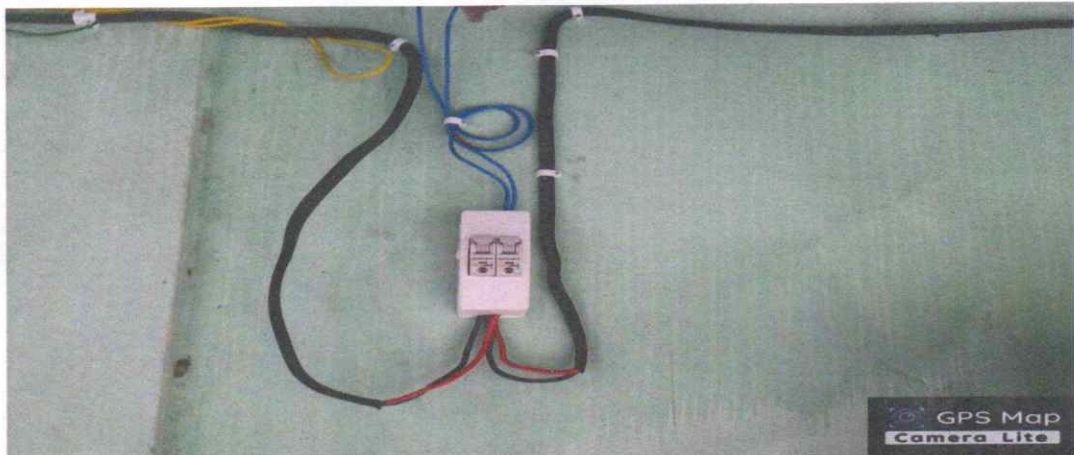
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Local 05:31:10 PM  
GMT 12:01:10 PM

Longitude  
89.885665°

Altitude 30 meters  
Saturday, 03.08.2024



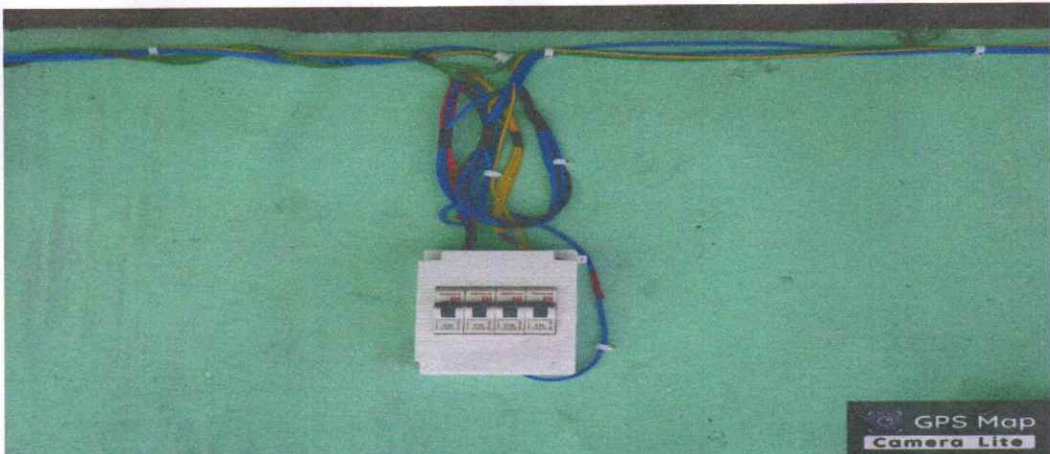
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GMT 12:02:03 PM

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89.88595500000001°

Altitude 34 meters  
Saturday, 03.08.2024



2VFP+GC8, Block Rd, Dharmoshala Pt.III, Assam 783324, India

Latitude  
26.023739999999997°

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GMT 12:02:32 PM

Longitude  
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Altitude 34 meters  
Saturday, 03.08.2024



  
Principal,  
DHARMASALA COLLEGE