



Maitrey Educational Society

Nagarjuna

Institute of Engineering, Technology & Management
(AICTE, DTE Approved & Affiliated to R.T.M. Nagpur University Nagpur)

Village Satnavri, Amravati Road, Nagpur 440023

College Code - 4192

Email: maitrey.ngp@gmail.com; Website: www.nietm.in; Phone No. 07118 322211, 12

National Assessment and Accreditation Council

AQAR 2021-22

NAAC Criteria-7: Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.2

Environmental Consciousness and Sustainability
The institution has facilities for alternate sources of energy and energy conservation measures



Maitrey Educational Society

Nagarjuna

Institute of Engineering, Technology & Management
(AICTE, DTE Approved & Affiliated to R.T.M. Nagpur University Nagpur)

Village Satnavri, Amravati Road, Nagpur 440023

College Code - 4192

Email: maltrey.ngp@gmail.com; Website: www.nietm.in; Phone No. 07118 322211, 12

Criteria-7: Institutional Values and Best Practices

Metric No. 7.1.2

Contents

Sr. No.	Particulars	Page No.
1	Summary	1
2	Solar Energy	2
3	Bill for Solar energy usage	3-4
4	Use of LED bulbs	5



**MAITREY EDUCATIONAL SOCIETY;S
NAGARJUNA INSTITUTE OF ENGINEERING, TECHNOLOGY
& MANAGEMENT, NAGPUR**

Criterion No 7

Institutional Values and Best Practices

7.1.2 Environmental Consciousness and Sustainability

INDEX

Sr. No.	CONTENT
1	SOLAR ENERGY
2	USE OF LED BULBS

SOLAR ENERGY



We have installed 20 KW_p Solar Panel on the top roof of the college. This is used to supply the electricity to meet the lighting and lab related requirements of the various departments of our college. The bill of Solar installation is attached below, showing the unitwise consumption for various months throughout the year.

Principal
Nagarjuna Institute of Engineering
Technology & Management



CURRENT CONSUMPTION DETAILS						
Reading Date	KWH	KVAH	RKVAH (LAG)	RKVAH (LEAD)	KW (MD)	KVA (MD)
Current				2155.50	8.00	8.38
Previous 31/07/2021	37345.50	39287.20	9017.60	2113.40	11.72	13.10
Difference 30/05/2021	35978.70	37843.30	8844.30	42.10		
Multiplying Factor	1366.60	1443.90	373.30	1.00	1.00	1.00
Consumption	1.00	1.00	1.00	42.00	8.00	8.38
Add if L. T. Metering	1366.60	1444.00	373.00	0.00	0.00	0.00
Adjustment	0.00	0.00	0.00	0.00	0.00	0.00
Assessed Consumption	0.00	0.00	0.00	0.00	0.00	0.00
Total Consumption	0.00	0.00	0.00	0.00	0.00	0.00

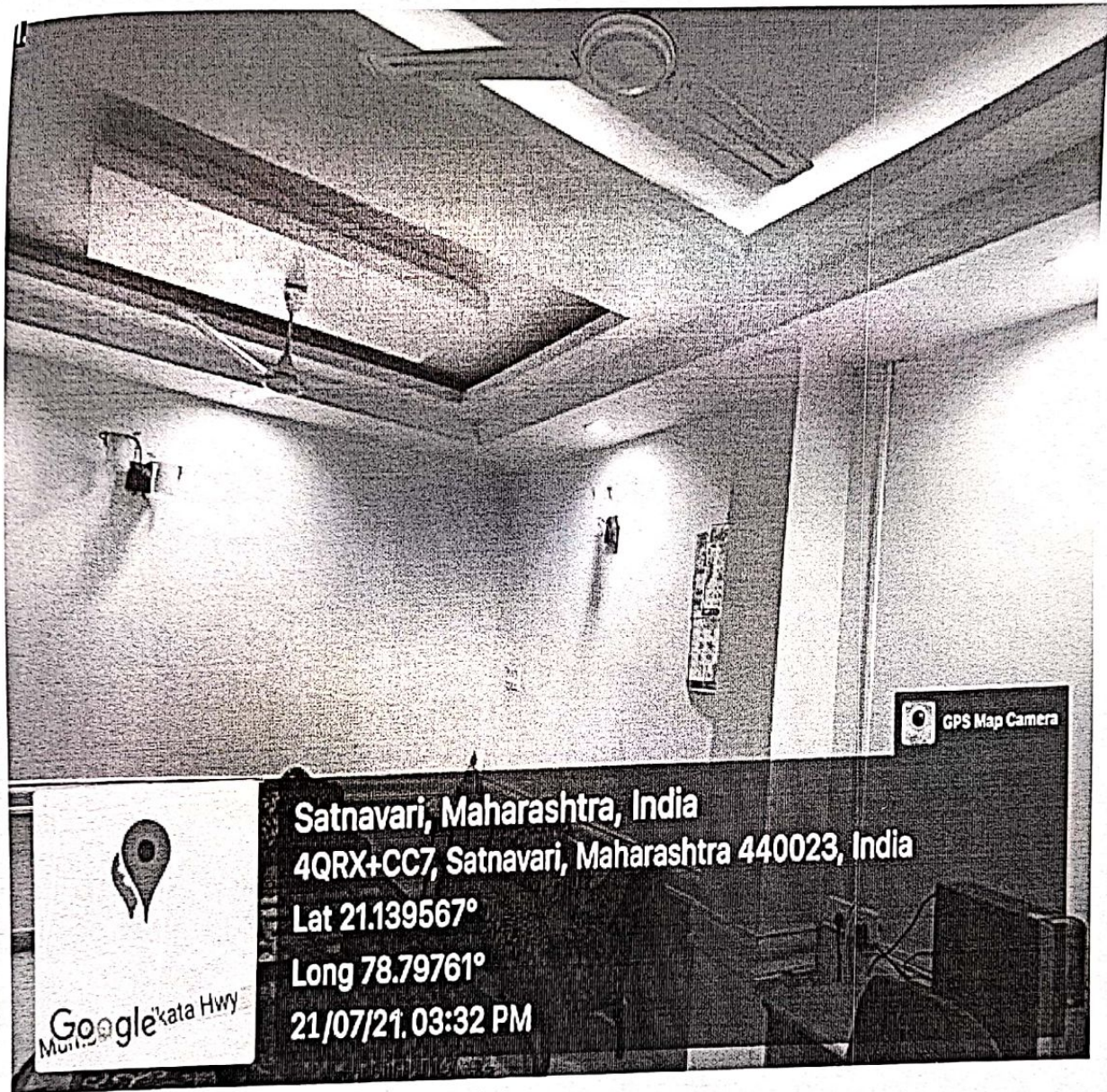
BILLING DETAILS					
Billed Demand (KVA)	29	@ Rs.	379.00	Demand Charges	7460.00
Assessed P.F.	0.9900	Avg. P.F.	0.9670	Wheeling Charges	1.38
Billed P.R.	0.9570	L.F.	0	Energy Charges	9944.48
Consumption Type	Units	Rate	Charges Rs.	TOD Tariff EC	262.40
Industrial	0.30	0.00	0.00	FAC@	0.00
Residential	0.00	0.00	0.00	Electricity Duty	0.00
Commercial	1366.00	7.28	9944.48	Other Charges	0.00
E.D. on (Rs.)	Rate %	Amount Rs.		Tax on Sale @ 19.04	260.09
0.00	0.00	0.00		P.F. Penal Charges / P.F. Incentive	95.44
0.00	0.00	0.00		Charges For Excess Demand	0.00
10: 7.15	0.00	0.00		Debit Bill Adjustment	0.00
TOD Tariffs	Rate % (Rs/Units)	Units	Demand	Charges Rs.	TOTAL CURRENT BILL
0000 Hrs-0600 Hrs & 2200 Hrs-2400 Hrs	1.5000	356	7	-537.00	19251.81
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	0.0000	621	8	0.00	Current Interest 05/08/2021
0900 Hrs-1200 Hrs	0.8000	231	8	160.80	169.76
1800 Hrs-2200 Hrs	1.1000	158	5	173.80	Interest Arrears
Amount In Words	₹	NINETEEN THOUSAND FOUR HUNDRED FORTY ONLY			Total Bill Amount (Rounded) Rs.
					19440.00
					Delayed Payment Charges Rs.
					240.65
					Amount (Rounded) Payable As on 05/08/2021
					19680.00

NET METER CONSUMPTION DETAILS									
SOLAR TARIFF	IMPORT			EXPORT			GENERATION		
	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units
0000 Hrs - 0600 Hrs & 2200 Hrs - 2400 Hrs	10674.40	10610.00	368.00	0.00	0.00	0.00	41.30	40.40	1.00
0600 Hrs - 0900 Hrs & 1200 Hrs - 1800 Hrs	15800.10	15750.90	849.00	8108.50	8108.50	0.00	17903.40	17903.00	1.00
0900 Hrs - 1200 Hrs	4028.80	3920.00	201.00	8820.00	8820.00	0.00	11827.20	11827.00	0.00
1800 Hrs - 2200 Hrs	6541.20	6382.60	168.00	0.00	0.00	0.00	37.60	37.00	1.00
TOTAL	37346.30	35678.70	1307.00	14938.00	14938.00	0.00	20008.30	20008.40	3.00
Plant	0.00	Previous Reading	0.00	Current Banked	0.00	Banking Charge Unit		Billed	1584.00


Principal
Nagarjuna Institute of Engineering
Technology & Management




Use of LED bulbs



The Institute has facilities for alternate source of energy and energy conservation measures by use of LED bulbs as a power efficient equipment.

We are using LED bulbs in our college premises which are about 50-55 % of the total lighting requirement of the college. LED bulbs help to save the electricity and electric bill consumption.


Principal
Nagarjuna Institute of Engineering
Technology & Management

