



College Code - 4192

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

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

National Assessment and Accreditation Council

AQAR 2020-21

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



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Criteria-7: Institutional Values and Best Practices

Metric No. 7.1.2

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**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

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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.



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CURRENT CONSUMPTION DETAILS						
Reading Date	KWH	KVAH	RKVAH (LAG)	RKVAH (LEAD)	KW (MD)	
Current						
Previous 31/07/2021	37345.53	39287.20	9017.60	2155.50	8.00	8.38
Difference 30/06/2021	35978.70	37843.30	8544.30	2113.40	11.72	13.10
Multiplying Factor	1366.63	1443.90	373.30	42.10		
Consumption	1.00	1.00	1.00	1.00	1.00	1.00
Add if L. T. Metering	1366.60	1444.00	373.00	42.00	8.00	8.38
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					Amount in Rs.	
Billed Demand (KVA)	20	@ Rs.	373.00	Demand Charges		7460.00
Assessed P.F.	0.6000	Avg. P.F.	0.9578	Wheeling Charges	1.38	1885.68
Billed P.R	0.8670	L.F.	0	Energy Charges		9944.48
Consumption Type	Units	Rate	Charges Rs.	TOD Tariff EC		262.40
Industrial	0.00	0.00	0.00	FAC@	0.00 Ps/U	0.00
Residential	0.00	0.00	0.00	Electricity Duty		0.00
Commercial	1366.60	7.28	9944.48	Other Charges		0.00
E.D. on (Rs.)	Rate %	Amount Rs		Tax on Sale @ 19.04	Ps/U	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
15: 7.16	0.00	0.00				
TOD Tariffs	Rate % (Rs/Units)	Units	Demand	Charges Rs.		
0000 Hrs-0600 Hrs & 2200 Hrs-2400 Hrs	1.5000	356	7	-537.00	Debit Bill Adjustment	3.00
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	1.0000	649	8	0.00	TOTAL CURRENT BILL	19251.81
0900 Hrs-1200 Hrs	0.8000	201	8	160.80	Current Interest	05/08/2021 3.00
1800 Hrs-2200 Hrs	1.1000	155	5	173.80	Principal Arrears	169.76
Interest Arrears						0.00
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

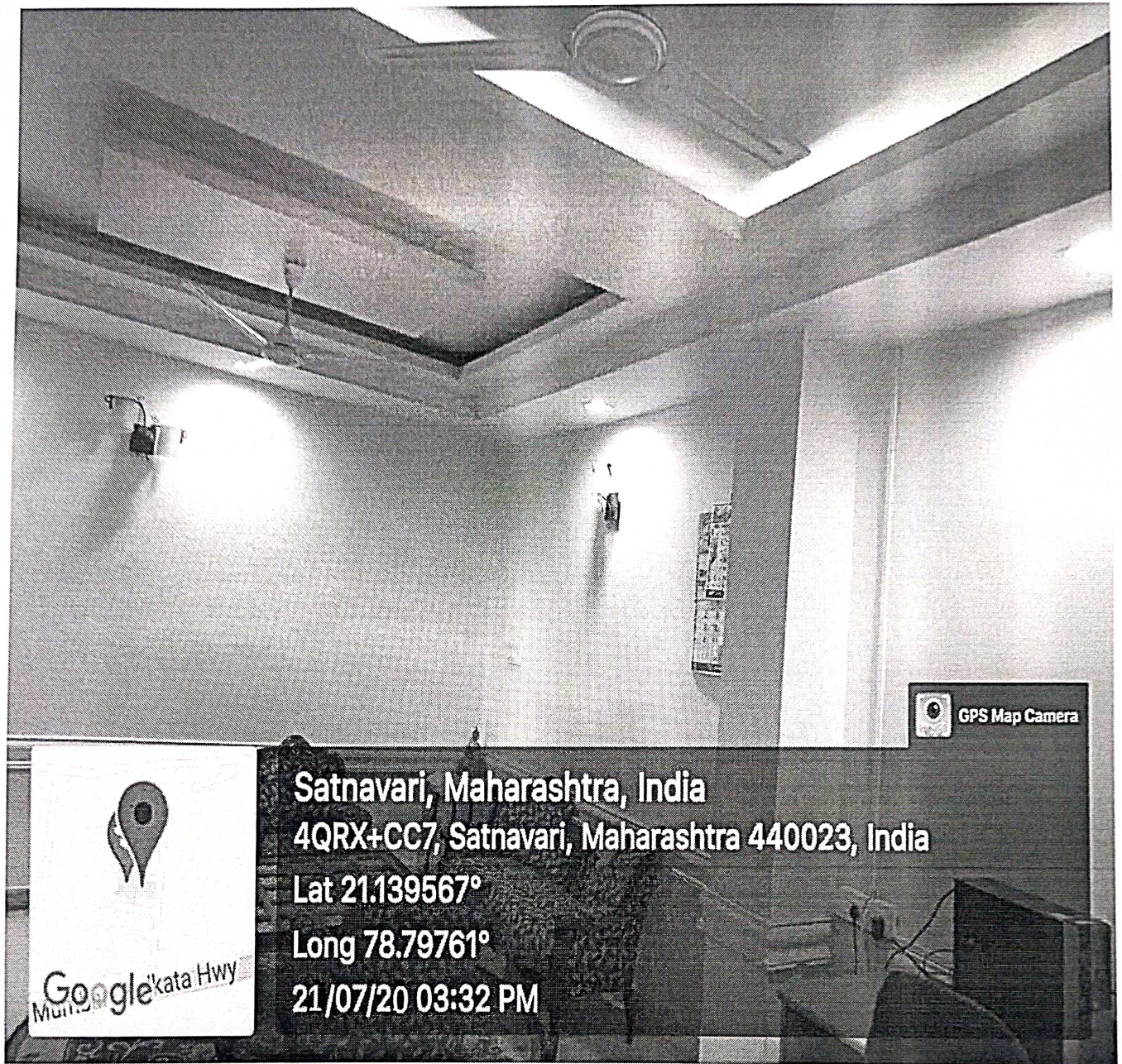
NET METER CONSUMPTION DETAILS									
SOLAR TARIFF	IMPORT			EXPORT			GENERATION		
	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units
0000 Hrs - 0600 Hrs & 2200 Hrs - 2400 Hrs	10074.40	10610.00	358.00	0.00	0.00	0.00	41.20	40.40	1.60
0600 Hrs - 0900 Hrs & 1200 Hrs - 1800 Hrs	15800.10	15159.90	649.00	8108.50	8108.50	0.00	17903.40	17903.00	1.00
0900 Hrs - 1200 Hrs	4028.60	3520.00	201.00	6829.00	6829.00	0.00	11927.20	11927.00	0.00
1800 Hrs - 2200 Hrs	6541.20	6382.80	188.00	0.50	0.50	0.00	37.50	37.00	1.00
TOTAL	37345.30	35172.70	1387.00	14938.00	14938.00	0.00	29908.30	29906.40	3.00
Rate 0.00	Previous Billing 0.00	Current Billing 0.00	Billing Charge Unit	Billed:		1588.00			



(Signature)

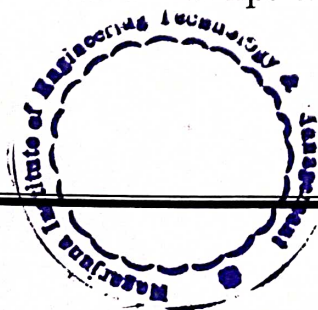
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Use of LED bulbs



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.



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