

**Best Practice: I****Title of the practice: *Medicinal Garden*****Goal :**

- To cultivate medicinal flora to spread awareness about it
- To inform students about traditional medicine
- To introduce students to Indian Knowledge Systems
- To develop students' interest in conservation and cultivation of medicinal plants.

**The context:**

Ayurvedic medicine is an integral part of the Indian Knowledge Systems and has been accepted by the world. Medicinal plants form an essential aspect of this medicinal system. Even some chronic ailments get treated by use this system and research in the properties is being conducted in the scientific realms. Therefore, it becomes a necessity to introduce students with the uses, properties and importance of such medicinal plants. Moreover, detailed study of these plants can also open vistas of career and self-employment to them.

**The Practice:**

Our college has a sprawling campus of 32 acres with rich flora and fauna. in order to make variety of medicinal plants available at one place for the observation of students we have developed a medicinal garden. We procured many plants from nurseries, government nurseries and some individuals. Some of the plants have been reared by the students. Our students are actively engaged in protection and conservation of these plants. They are introduced to the species, types, families, properties of the plants. Students are also educated about uses of these plants at domestic and industrial levels. Students are also told about the career and entrepreneurial opportunities related to the cultivation, conservation, marketing of these plants and the products made by using them.

**Evidence of Success:**

Students from all faculties visit the medicinal garden and ask questions about the plants. This shows that they are getting inquisitive about the properties and uses of such plants. The overall awareness of students about the Indian medicine has increased. It has been observed that students get encouraged to read more and hone their writing skills. They also develop their reference skills in the process. The number of articles has been increasing every year. This year total 124 students' articles have been included in the magazine. It also indicates that students are getting aware about socio-culturally relevant issues. Their active participation in the writing workshop suggests their urge to develop creative and critical thinking abilities. Students also participate in all curricular, co-curricular and extracurricular activities as their achievements are recognized through the magazine. We humbly say that as a result of all these efforts, the college has received several awards in the best magazine competition organized by the affiliating university.



**Contact Details:**

Name of the Principal: Dr. Adinath More

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Science College1, City: Lasalgaon, Pin Code: 422306

Accredited Status: NAAC reaccredited: A grade with 3.11 C.G.P.A in 4<sup>th</sup> cycle of  
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## Best Practice: II

### Title of the practice: *Use of Solar Energy*

#### Goal :

- To use solar energy as a source of non-conventional energy
- To reduce the dependence on electricity provided by the electricity board
- To help maintaining the environmental balance

#### The context:

Traditional sources of energy are on the brink of exhaustion. They also are the major cause of pollution and thereby environmental crises. The use of solar energy on the other hand is environmentally clean helping our endangered earth. It is a renewable energy source that is free and in abundance in India. It is the need of the hour that we shift gradually to solar energy and other non-conventional energy sources.

Our college has a big campus of 32 acres and there are total 07 buildings for administrative and academic purposes. Therefore the electricity requirement is quite large and it attracts heavy electricity bills. To reduce the dependence on the traditional source we use electricity generated by solar energy.

#### The Practice:

Considering the need of the hour and ample availability of the solar power, our college has installed 15 KW Solar Panel in the Institute campus it has been installed on the roofs of two buildings. These plants are regularly maintained in respect with cleaning, repairs etc. The cleaning aspect is important to generate solar power at optimum level.

#### Evidence of Success:

The following are the details of annual consumption and generation of energy after the installation of solar panels. The numbers show that the practice has been successful.

#### Solar Net Meter Consumption Details

Month	Import Unit	Export Unit	Generation of Unit
April	342	1135	1936
May	515	732	1915
June	711	474	1837
July	397	805	1647
August	733	417	1005
September	668	574	1332
October	795	506	1391
November	692	920	1703
December	699	656	1758
January	854	478	1442
February	1156	300	1395
March	802	395	1405
<b>Total</b>	<b>8364</b>	<b>7392</b>	<b>18766</b>

## Sample Photo of electrical bill

CURRENT CONSUMPTION DETAILS						
Reading Date	KWH	KVAR	EXPORT LEAD	IMPORT LEAD	PF (R)	PF (S)
Current						
26/12/2022	25015.00	28442.38	579.80	1088.20	7.35	7.84
Difference	24315.80	25709.48	560.00	5428.00	8.40	8.81
Multiplying Factor	899.20	732.85	19.00	122.00	1.00	1.00
Consumption	1.00	1.00	1.00	1.00	1.00	1.00
Add # L.T. Metering	899.20	733.00	20.00	122.00	2.75	7.84
Adjustment	0.00	0.00	0.00	0.00	0.00	0.00
Assessed Consumption	500.00	0.00	0.00	0.00	0.00	0.00
Total Consumption	0.00	0.00	0.00	0.00	0.00	0.00
	146.00	733.00	20.00	122.00	7.35	8.81

  

BILLING DETAILS			
Item	Rate	Units	Amount
Billed Demand (KVA)	₹ Rs.		
Assessed P.F.	12	Avg. P.F.	427.00
Billed P.F.	0.9000	L.F.	0.8800
Consumption Type	0.000000	Rate	₹ Charges Rs.
Industrial			
Residential	0.00	0.00	0.00
Commercial	0.00	0.00	0.00
C.D. on (Rs.)	Rate	10.75	Amount
0.00	0.00		0.00
0.00	0.00		0.00
<b>7374.50 Tariffs</b>	Rate	Units	Demand
7000 Hrs-0600 Hrs & 22:00 Hrs-2400 Hrs	1.5000	0	2
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	0.0000	0	8
0900 Hrs-1200 Hrs	0.8000	0	3
1800 Hrs-2200 Hrs	0.8000	0	3
Amount in Words	146	146	160.50
EIGHT THOUSAND EIGHT HUNDRED FORTY ONLY			

  

Demand Charges	
Wheeling Charges	5128.00
Energy Charges	135
TOD Tariff EC	1575.38
FAC @ PaU	160.60
Electricity @ PaU	373.95
Other Charges	1547.90
Tax on Sale @ PaU	0.00
P.F. Panel Charge @ PaU Incentive	26.28
Charges For Excess Demand	-116.58
	0.00
Debit B/E Adjustment	
<b>TOTAL CURRENT BILL</b>	<b>8840.00</b>
Current Interest	8840.00
Principal Amount	81/12/2022
Interest Amount	2.99
<b>Total Bill Amount (Rounded) Rs.</b>	<b>8840.00</b>
Delayed Payment Charges Rs.	8840.00
<b>Amount (Rounded) Payable After</b>	<b>116.43</b>
26/12/2022 <b>8950.00</b>	

  

SOLAR NET METER CONSUMPTION DETAILS									
SOLAR TARIFF	IMPORT			EXPORT			GENERATION		
	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units
0600 Hrs - 0900 Hrs & 2200 Hrs - 2400 Hrs	9635.00	9655.00	20.00	0.00	0.00	0.00	32.50	31.20	1.30
0900 Hrs - 1200 Hrs & 1200 Hrs - 1800 Hrs	7130.80	7368.40	237.60	1890.40	16146.60	954.00	29143.60	28155.70	1047.90
0900 Hrs - 1200 Hrs	1838.20	1890.40	5.20	11739.60	11287.70	451.90	17955.10	18954.80	778.00
1800 Hrs - 2200 Hrs	3507.80	3382.00	125.80	8.30	8.30	0.00	147.40	146.60	0.80
<b>TOTAL</b>	<b>28016.00</b>	<b>24315.80</b>	<b>369.60</b>	<b>28396.00</b>	<b>27742.60</b>	<b>656.00</b>	<b>40973.60</b>	<b>40316.70</b>	<b>1756.30</b>
Total	523.00	Previous Demand	734.00	Current Demand	897.00	Banking Charge			146.00

  

### CONDITIONS

- The total bill amount of the bill may be remitted by a Crossed Demand Draft/Cheque drawn in favor of "Maharashtra State Electricity Distribution Co. Ltd." Wherever Security Deposit is demanded separate Cheque/Bank Draft should be sent.
- The current bill is payable within fifteen days from the date of issue of the bill. Even if there is any discrepancy in the bill or any other clarification needed, consumers are requested to pay the billed amount in full provisionally or under protest subject to review and subsequent adjustment so that payment of delayed payment charges is avoided.
- This bill is issued subject to the provision of the "Conditions and Miscellaneous charges for supply of Electrical Energy" of the company.
- Please quote the Consumer Number on the back of the Cheque. The payment of this bill should be made at Company's office only.
- If the cheque is sent by post the same should be posted three clear days in advance of the due date.
- In case of payment made through RTGS/NEFT/Cheque/DD/Pay order, the date of amount credited to MSEDCL's account will be treated as receipt date.

**Collection Hours : 10:30 to 16:00 Hours ( Except on Bank Holidays, Sundays & Saturdays)**

## Solar Panel installed in the Institute campus



### Contact Details:

Name of the Principal: Dr. Adinath More

Name of the Institution: N.V.P.Mandals Arts, Commerce and  
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