



Prof.Dr.T.J.Sawant
BE(Elec.), PGDBM, Ph.D
PRESIDENT

The Shetkari Shikshan Mandal

Bhivarabai Sawant College Of Engineering & Research

Accredited by NAAC With 'A' Grade

(Approved by A.I.C.T.E. & Govt. of Maharashtra Affiliated To Savitribai Phule Pune University

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S.No. 12/1/2 & 12/2/2, Narhe, Taluka-Haveli, Pune-411041.

Phone : 020-24608500/01 **Website** : www.tssm.edu.in

Email : principal@tssm.edu.in

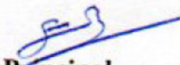
Dr.G.A.Hinge
Ph.D.LMISH
PRINCIPAL

7.1.2: The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and non-degradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Sr. No.	Particulars	Digital Page No.
1	Facilities for alternate source of energy	2
2	Facilities for waste management	3
3	Facilities for water conservation	5
4	Green Campus Initiatives	6
5	Disabled-Friendly, barrier free environment	7




Principal,
BSCOER, Pune.
PRINCIPAL
TSSM's Bhivarabai Sawant College
of Engineering & Research
Narhe, Pune - 411 041

CHAPTER III

STUDY OF USAGE OF RENEWABLE ENERGY

The College has installed Roof Top Solar PV Plant of Capacity **1 kWp**.

In the following Table, we compute the Annual Reduction in CO₂ Emissions due to installation of Roof Top Solar PV Plant.

Table No 2: Computation of Annual Reduction in CO₂ Emissions:

No	Particulars	Value	Unit
1	Installed Capacity of Roof Top Solar PV Plant Capacity	1	kWp
2	Energy Generated in per kWp	4	4 kWh/kWp
3	Annual Solar Energy generation Days	300	Nos
4	Energy Generated in the Year: 23-24	1200	kWh
5	1 kWh of Electrical Energy saves	0.93	Kg/kWh
6	Qty of CO₂ Saved by Solar PV Plant = (4)*(5) /1000	1.116	MT of CO₂

Photograph of Roof Top Solar PV Plant:



CHAPTER IV STUDY OF WASTE MANAGEMENT

In this Chapter, we present the Waste Management Practices, followed by the College.

Details of Waste Management Practices:

No	Head	Observation	Photograph
1	Solid Waste	Segregation of Waste at Source: Provision of Waste Collection Bins	Waste Collection Bin: 
2	Liquid Waste	Provision of Sewage Treatment Plant for treatment of Liquid waste	Sewage Treatment Plant: 

3	Organic Waste	Provision of Bio Gas Plant	Bio Gas Plant:  Pune, Maharashtra, India CRVJ+588, Narhe, Pune, Maharashtra 411046, India Lat 18.443003° Long 73.831023°
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CHAPTER-V

STUDY OF RAIN WATER MANAGEMENT

The College has implemented the Rain Water Management Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is gathered and is used to increase the Underground Water Table.

Photograph of Rain water Pipe Section & Sand Filter Unit:



Rain Water
Collecting Pipe &
Sand Filter Unit

CHAPTER-VI

STUDY OF GREEN & SUSTAINABLE PRACTICES

In this Chapter, we present the Green & Sustainable Practices followed by the College.

Green & Sustainable Practices:

No	Head	Observation	Photograph
1	Easy Movement of Stake Holders	Provision of Good Internal Road within the Campus	Internal Road:  GPS Map Camera Pune, Maharashtra, India CRRJ+RQ2, Mekarwadi, Pune, Maharashtra 411046, India Lat 18.442217° Long 73.831938° 08/01/24 01:01 PM GMT +05:30
2	Tree Plantation	Internal Tree Plantation in the Campus	Internal Tree Plantation:  GPS Map Camera Pune, Maharashtra, India CRRJ+RQ2, Mekarwadi, Pune, Maharashtra 411046, India Lat 18.44226° Long 73.831952° 08/01/24 01:01 PM GMT +05:30

3	Facilities for Divyangajan	Provision of Ramp for Divyangajan	Ramp for Divyangajan: 
4	Creation of Awareness among Stake Holders	Display of Poster on Energy Conservation	Poster on Energy Conservation: 