

VASANTDADA SUGAR INSTITUTE

MANJARI BK, TALUKA HAVELI, DISTRICT PUNE-412 307

<https://www.vsisugar.com>



Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.2 The Institution has facilities and initiatives for

CONTENTS

Sr. No.	Particulars	Page no.
1.	Alternate sources of energy and energy conservation measures i) Solar energy ii) Wheeling to the grid: iii) Use of LED bulbs/ power efficient equipment:	2-4
2.	Management of the various types of degradable and non-degradable waste i) Solid waste management ii) Liquid waste management iii) E-waste management	5-8
3.	Water conservation i) Borewell /Open well recharge ii) Construction of tanks and bunds iii) Maintenance of water bodies and distribution system in the campus	9
4.	Green campus initiatives	10-11
5.	Disabled friendly, barrier free environment	12

1. Alternate sources of energy and energy conservation measures

i. Solar energy

In a step towards Environmental Consciousness, VSI installed a solar plant in 2019. We have installed two Roof Top Solar Power plants that have capacity 200 KWP & 600 KWP. The 200 KWP Solar Project started on 16 May 2019. It generates electricity 243119 KWH among 321 days at average rate 9.8. This plant generates total electricity 1181263 KWH from May 2019 to Aug 2023 among 1569 days with saving amount of Rs. 1,18,47,391.96/-. The second plant of 600 KWP capacity started on date 21st January 2021. It generates 2209212 KWH electricity among 952 days with saving amount of Rs. 1,32,63,734.54/-. This initiative is not only a step towards reduced dependence on oil and fossil fuels rather a strong gesture in maintaining and protecting the green environment.



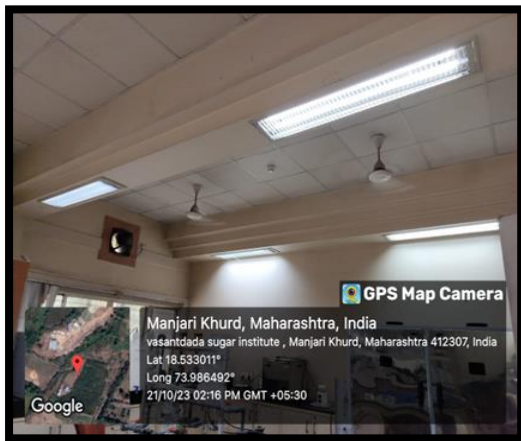
Solar Plant installed

ii. Wheeling to the grid:

VSI is transferring the solar PV system generated electrical power to the Grid via the distribution system of Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL) and helping the MSEDCL to cater the power demands of the area during the peak demand time.

iii. Use of LED bulbs/ power efficient equipment:

Most of the existing tube lights have been replaced by energy efficient LEDs at various locations, viz., administrative building, corridors, auditorium, various departments, class-rooms, laboratories, and hostels etc. in the institute.



LED lights installed

2. Management of the various types of degradable and non-degradable waste

i. Solid waste management:

The waste is generated by all sorts of routine activities carried out in the Institute that includes paper, plastics, glass, metals, foods etc. The waste is segregated at each level and source. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The block safai workers in each floor collect, clean segregate, and compile the waste in the dustbins (Green, Red and Blue) provided at each floor. The floor dustbins are emptied in movable containers/dustbins provided for each block and is taken to the dumping yard provided by the Institute.

Bio-degradable wastes are effectively converted to fertilizer by composting technology inside the Institute campus. A vermicomposting unit required some biodegradable waste to convert these as fertilizer. After segregation of biodegradable waste from canteens, residential quarters, Hostel and guest houses are collected and dumped in the composting unit in the Institute campus. This fertilizer is used to promote the Organic Farming by farmers located in that region. Institute discourages uses of plastic; particularly single use plastics in campus. Degradable solid waste collected from various departments are dumped in the Vermicompost Unit to make some Organic fertilizer which are used for Gardening and Farming purpose.

The **non-biodegradable solid waste** is incinerated by using incineration system available at institute.

Other scrap materials like metal, wood, glass etc. which are collected from laboratories and the institute campus are given to scrap dealers for recycling. Old newspapers and other paper material (Raddi) is also given for recycling.

- **Facilities for segregated waste collection:**

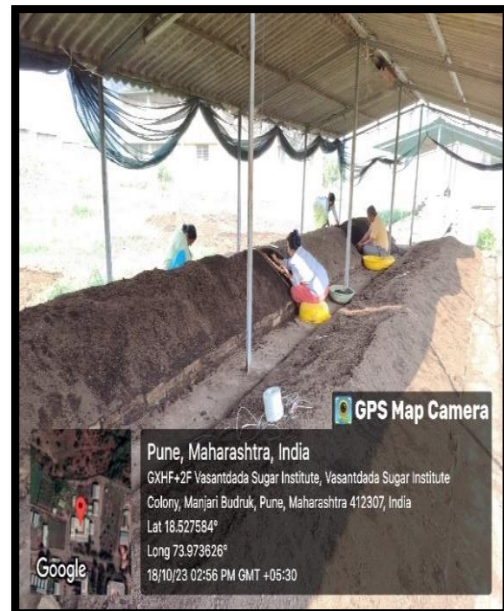
1. **Green Dustbin-** Degradable
2. **Red Dustbin-** Non-degradable
3. **Blue Dustbin-** Recyclable



Incinerator installed for solid waste



Dustbins for waste segregation



Vermicompost

ii. Liquid waste management



Liquid waste generated by the institute are of two types:

1. Sewage waste
2. Laboratory and canteen effluent waste: The liquid wastes are mainly drained to improve the ground level of water. Institute do not have any sewage treatment plant yet.

iii. E-waste management

For proper disposal of E – Waste, institute have agreement with Nizam Enterprises, Pune.

Aknowldgment from Nizam Enterprizes, Pune for E-Waste Managment

	NIZAM ENTERPRISES
	<small>(MPCB) AUTHORISED REG. NO. MPCB/RO (HQ) HSMD/AUTH/22/EW/40 COLLECTION, SEGREGATION, DISMANTLING & REFURBISHING OF E- WASTE GSTIN NO. 27AJGPC319H126</small>
Ref. no.	Date: 26/11/22
ACKNOWLEDGMENT	
<p>Management of Nizam Enterprises²⁴⁵ is very happy to acknowledge that our company is in agreement with Vasantdada Sugar Institute, Manjari (Bk.), Pune for scientific disposal of e-waste and other depleted hardwares generated in the institute.</p>	
<p>For NIZAM ENTERPRISES  Proprietor</p>	
<p>B-24, Nand Jyot Industrial Premises Co-op. Society Ltd. Kurla - Andheri Road, Safed Pool, Andheri (E), Mumbai - 400072. Mobile No.9823669059 ● E-mail:nizam.ewaste@gmail.com</p>	

Aknowledgment from Shivshambo Scrap Center, Pune for scrap disposal

SHIVSHAMBHO SCRAP CENTER

Sr no 227, Fursungi Road, Pune, Maharashtra,412308

Date - 02/12/2022

ACKNOWLEDGMENT

Management of Shivshambo Scrap Center, Pune is acknowledging that our center is in agreement with Vasantdada Sugar Institute, Manjari (Bk.), Pune for disposal of scrap and raddi in the institute.

शिवशंभो स्कॅप सेंटर करिता



प्रोप्रायटर

3. Water conservation

i. Borewell /Open well recharge

The total 8 borewells are available in the institute.

ii. Construction of tanks and bunds

The institute is having well-built water tank and the water from tank is used for drinking purpose.

iii. Maintenance of water bodies and distribution system in the campus

Institute have open pond and the water from this pond is used for farms.



Borewell facility



Water tank (Capacity: 1 lakh litre)



Water reservoir

4. Green campus initiatives

Institute has declared to all stakeholders to 'no plastic' campus.

Notice displayed on notice board

Phone : (020) 26902100 - 30 lines
Fax : (020) 26902244
E-mail : admin@vsiisugar.org.in
vsi_admin@vsiisugar.org.in
Web site : www.vsiisugar.com




VASANTDADA SUGAR INSTITUTE
Manjari (Bk.) Tal. : Haveli, Dist. : Pune - 412 307, Maharashtra, India

Dt.: 19/08/2021

NOTICE

All the teaching and non-teaching staff members as well as all students are hereby informed that from the academic year 2021-22 and onwards our Institute will be observed with '**No Plastic**'.

In this regard everyone is appealed to participate in this '**Plastic Ban Campaign**'.


(D.B. Ghule)
Principal

Copy to Notice Board of ,

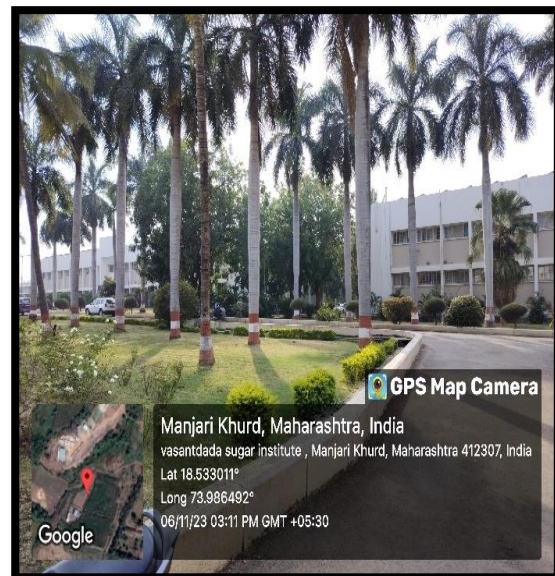
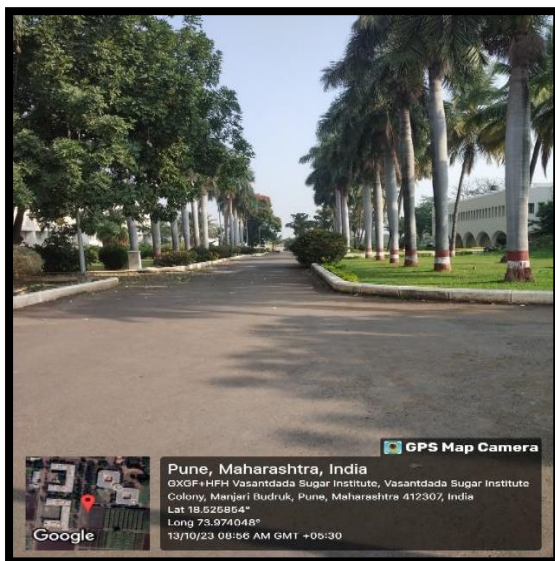
- 1) Boys' Hostel
- 2) Girls' Hostel
- 3) Library
- 4) All VSI Department's Notice Board

Reply to be sent on the name of Institute and not on individual's name.

Institute have one battery operated buggy car.



Battery operated Buggy car



Landscaping with trees and plants

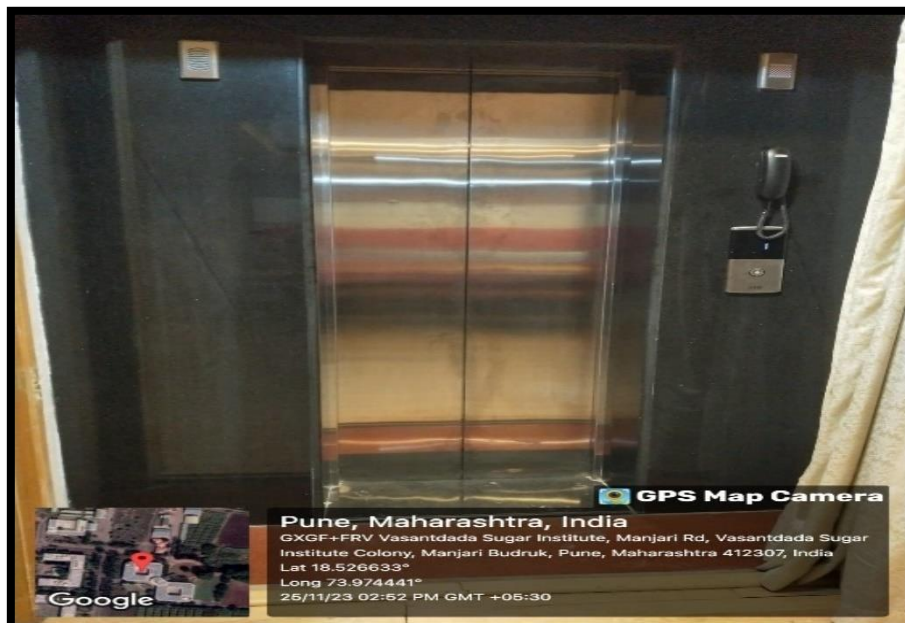
Institute have recognized as **carbon neutral campus** by auditing agency.

5. Disabled friendly, barrier free environment

In the institute, ramps and lifts are available for easy access to the classroom.



Ramps



Lift facility