

(Affiliated to the University of Rajasthan)
A Co-educational English Medium PG College

### 7.1.2

The College 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

Fedure IQAC
Co-ordinator
Shri Mahaveer College



SHRI MANAVEER COLLEGE

(Affiliated to the University of Rajasthan)

Mahaveer Marg C-Scheme Jaipur



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7.1.2 QnM	The Institution has facilities and initiatives for:	20
S. F	<ol> <li>Alternate sources of energy and energy conservation measures</li> <li>Management of the various types of degradable and non-degradable waste</li> <li>Water conservation</li> </ol>	
	4. Green campus initiatives	
331	5. Disabled-friendly, barrier free environment	4
		-
	Options: A. 4 or All of the above	
	B. 3 of the above	TO L
	C. 2 of the above	PRIE :
	D.1of the above	
	E. None of the above	
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	Upload supporting document	

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#### 7.1.2

### 1. Alternate sources of energy and energy conservation measures

Here are some alternative energy sources and energy-saving techniques that Shri Mahaveer College consider to support sustainable energy practices.

The following are some of the resources and programs the college has put in place:

- Solar Power: Shri Mahaveer College has installed solar power panels on the roof of its building. Solar panel has the capacity of 44.64 kWp. The power generated by this panel is injected to the grid and the rebate on the electricity bill is availed each month accordingly. Bills of Solar Panels & Pics to be attached here
- 2. Transportation Initiatives: Shri Mahaveer College encourages environmental friendly modes of transportation by mandating the use of bicycles and e-vehicles for two days. Additionally, the college can further support its sustainability efforts by implementing various transportation initiatives. These include establishing a bike-sharing program to make bicycles easily accessible. A carpooling system and shuttle services from nearby public transport hubs can reduce the number of vehicles on campus.
- 3. **Energy Audits**: Shri Mahaveer College regularly conducts energy audits to identify areas where energy use can be reduced. Using the data from these audits, the college optimizes energy usage and implements various energy conservation measures. This proactive approach helps the college to minimize its carbon footprint, enhance sustainability, and reduce operational costs by ensuring that energy resources are used efficiently.

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- 4. **LED Lights:** Shri Mahaveer College is committed to reducing energy consumption by using CFL, LED, and star-rated power equipment. These devices consume less electricity, resulting in reduced energy utilization. The college ensures that all electrical equipment procured has an energy star rating as per the Bureau of Energy Efficiency (BEE) standards, which guarantees lower electricity consumption. The college has installed LED lighting throughout the entire campus, replacing older lighting systems to ensure low energy consumption.
- 5. **Energy Audits:** Shri Mahaveer College regularly conducts energy audits to identify areas where energy consumption can be reduced. Using the data obtained from these audits, the college optimizes energy usage and implements energy conservation measures to enhance efficiency and reduce overall energy consumption.

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### 2. Management of the Various Types of Degradable and

### **Non- Degradable Waste**

Shri Mahaveer College is deeply committed to protecting the environment, health, and well-being through effective waste management practices such as segregation, recycling, and composting. The college promotes awareness about generating less waste among students, staff, and faculty members. The housekeeping staff, gardeners, and sweepers play a crucial role in the segregation of waste, ensuring that waste management practices are effectively implemented throughout the campus.

To deal with the issue of degradable waste generated on campus, Shri Mahaveer College has installed compost pits to break down organic waste materials such as leftover food and garden waste. The compost produced is used as organic fertilizer for the gardens and green areas on campus. This initiative has helped maintain the campus's greenery while also reducing the amount of waste sent to landfills.

Students are encouraged to use waste paper and newspapers in creative activities such as Wall Magazine and Waste to Best. Tree waste, including dried leaves and plant clippings, is collected and composted, with the resulting compost used in organic farming. Dustbins are strategically placed throughout the campus for effective waste segregation.

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The college is committed to reducing paper-based waste through digitization of office procedures using Whats App, email, and other electronic means. This not only reduces paper waste but also cuts down on carbon dioxide emissions. Single-sided paper use is encouraged for drafts, meeting minutes, and notes, promoting an environmentally friendly approach to waste management.





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#### 3. Water Conservation

Water conservation involves the effective protection, regulation, and management of water resources. At Shri Mahaveer College, reusable water systems and water conservation practices are implemented to save energy and ensure the prudent use and maintenance of the water supply. This includes managing both the quantity and quality of water used.

Water resources management (WRM) at the college encompasses the planning, development, and administration of water resources, addressing both water quantity and quality for all applications. These practices ensure sustainable water use and contribute to the college's overall environmental conservation efforts.

Rain water harvesting system: Runoff generated on the campus is collected using a check dam constructed on a natural drain passing through the campus. The stored water percolates into the ground to recharge groundwater. Rainwater from rooftops and surface runoff within the campus are collected in five percolation pits, each measuring 3m x 3m, strategically located at feasible points to further enhance groundwater recharge.

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### 4. Green Campus Initiatives

Shri Mahaveer College is committed to demonstrating finely tuned sensitivity and responsibility in implementing green concepts on campus. Our campus sustainability initiatives aim to promote green practices within and beyond the institution, developing best practices strategies in environmental management. While the establishment and maintenance of a green campus are crucial, spreading awareness about green practices among students and educating stakeholders is our priority.

The policy begins with information and concludes with a plan of action. Shri Mahaveer College will responsibly manage water resources, implement effective waste management, conserve natural resources, and advocate for minimal paper use. The college will adopt the following practices to establish and maintain a green campus while extending awareness and green initiatives beyond the campus. This will create a safer environment that is a better place to live, learn, and play.

- a) Water Resource Management: Efficient use and conservation of water resources through reusable systems and water conservation techniques.
- b) Waste Management: Effective segregation, recycling, and composting of waste to reduce landfill contributions.
- c) Energy Conservation: Utilization of energy-efficient devices and renewable energy sources to minimize energy consumption.
- d) **Paperless Communication**: Promoting digital communication and minimizing paper use through electronic means.
- e) Green Awareness: Educating students and staff on sustainable practices and involving them in green initiatives.
- f) **Tobacco Free campus**: According to institute policy and rules the use of tobacco products is treated as offence.

These practices ensure a holistic approach to environmental sustainability, fostering a green campus culture at Shri Mahaveer College. Co-ordinator Shri Mahaveer College

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### 5. Disabled-friendly, barrier free environment

Shri Mahaveer College provides a barrier-free environment where students and staff with disabilities can move about safely and freely, using all facilities within the built environment. This environment supports the independent functioning of individuals, enabling them to participate in everyday activities on campus without assistance. Buildings and places are made barrier-free.

**RAMP:** Ramps with handrails, inclined planes built in addition to staircases, are provided. These ramps are carefully designed according to specifications to be used by differently-abled individuals.

**LIFT:** College buildings are equipped with lifts to ensure barrier-free access for students, staff, visitors, and differently-abled individuals. The lift facility is available in the main building.

**Divyangjan-friendly Washrooms:** College buildings are equipped with Divyangjan-friendly washrooms, ensuring barrier-free access for students, staff, and visitors with disabilities.

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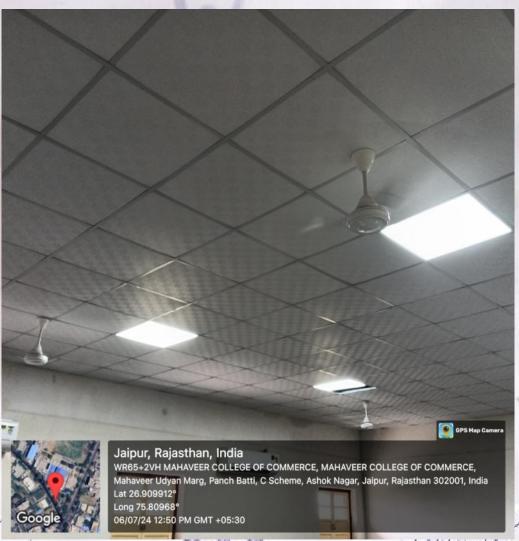
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Snapshots Depicting Specific Facilities for Alternate Sources of Energy and Energy Conservation Measures in the Campus

#### **LED LIGHTS**



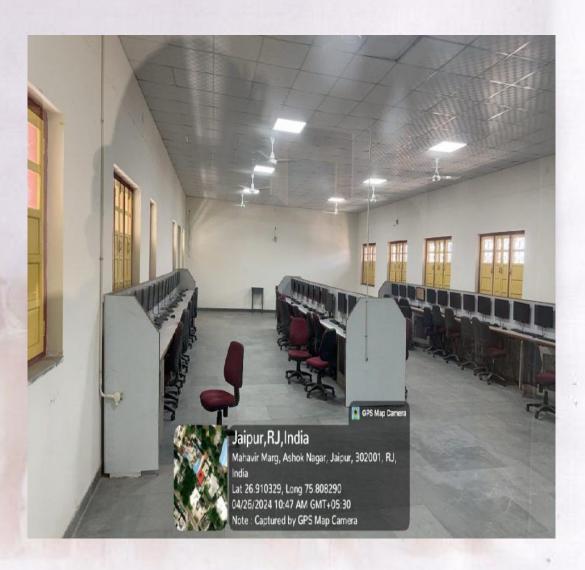
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#### **LED LIGHTS**



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#### **GENERATORS**



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### **GROUND WATER PUMPS (BOREWELL)**



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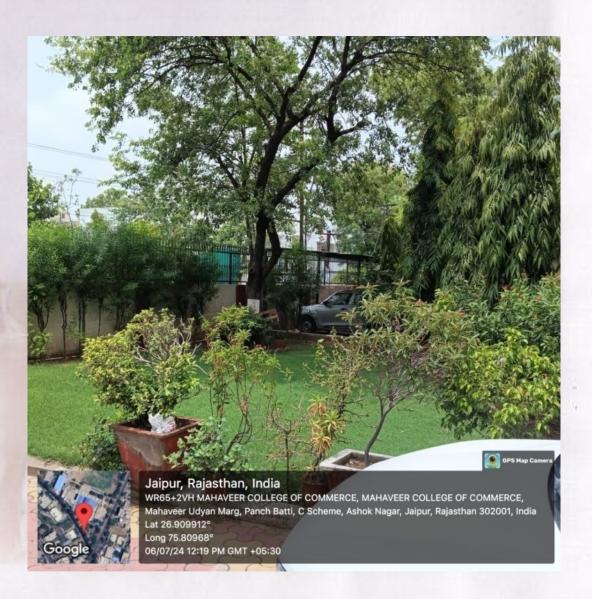
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#### LAND SCAPING



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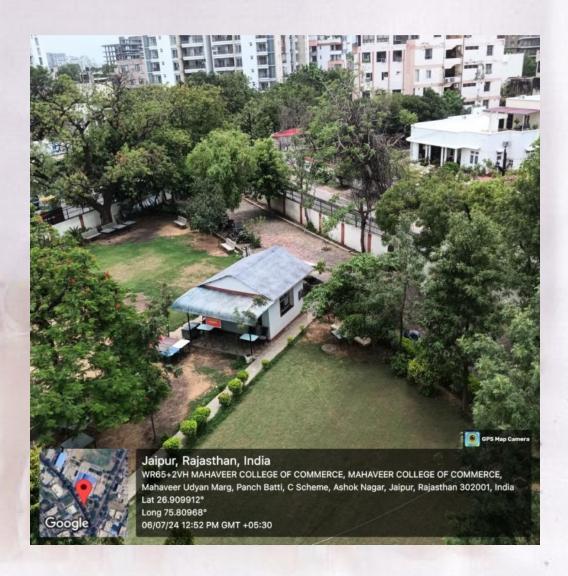
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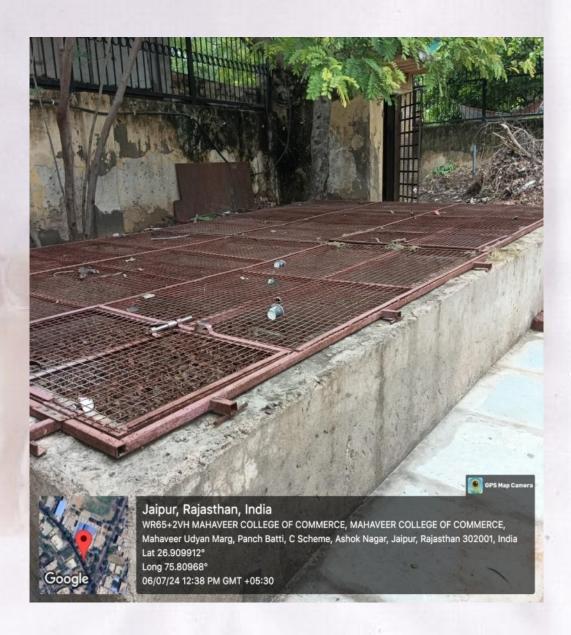
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### **COMPOST PIT**



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#### **DUSTBIN**



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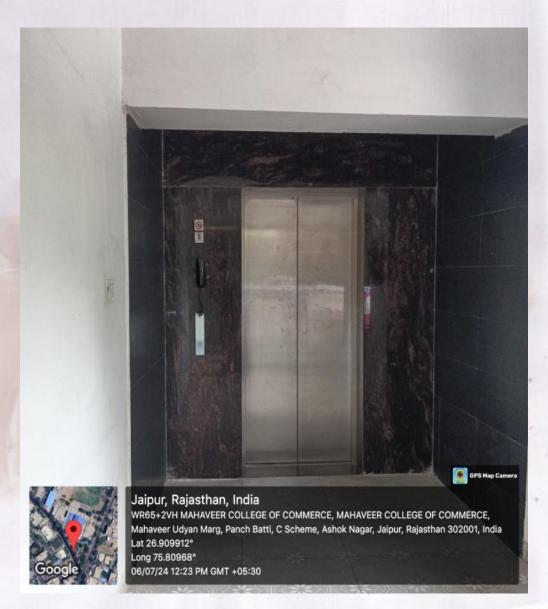
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### DISABLED FREE ENVIRONMENT (LIFT)



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#### DISABLED FREE ENVIRONMENTTOILETS WITH HANDLES



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### DISABLED FREE ENVIRONMENT RAMPS



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### BARRIER FREE ENVIRONMENT

Perfection of the No. DETIL 2023. 24/03/16

PAN NO: AAFFD9212J GSTIN : 08AAFFD9212J1ZD

Date: 03-04-2024

#### Certificate

#### Barrier free Environment

This is to certify that barrier free environment and toilets are available for physically challenged, in the ground floor of building of Shri Mahaveer College on Mahaveer Marg, C-Scheme Jaipur.

Date: 03-04-2024

Place: Joifue.

Architect:

Navoen

Ar. Naveen Sonkarla DESIGN GROUP 52 Iffur Floor, Shashi Market Ber Puken, Adarsh Nagar, Jaipur C. 92698 CTP RAJ/Architect/2021/93

52, Hnd Floor, Shastri Market, 20 Dukan, Adarsh Nagar, Jaipur (Raj.) E-mai : designgroup.jpr@gmail.com, dknimesh@gmail.com Mobile No. 9413343284, 8696543284

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#### SEWAGE DISPOSAL SYSTEM

Groups Groups

anners No. DG1/2023-24/03/15

PAN NO: AAFFD9212J GSTIN: 08AAFFD9212J1ZD

Date: 03.-04-2024

### Certificate Sewage Disposal System

This is to certify that Shri Mahaveer College has a fully functional sewage disposal system as per the norms prescribed by competent authority.

Hence this certificate is issued.

Date: 03-04-2024

Place: Jaifue

Architect: Naveen

Ar. Naveen Sonkaria DESIGN GROUP 52 Ilnd Floor, Shastri Market Bees Dukan, Adarsh Nagar, Jaipur CA/2018/92698 CTP RAJ./Architect/2021/93

52, Hnd Floor, Shastri Market, 20 Dukan, Adarsh Nagar, Jaipur (Raj.) E-mai: designgroup.jpr@gmail.com, dknimesh@gmail.com Mobile No. 9413343284, 8696543284

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#### PPLANTS DISTRIBUTION



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#### **CLEAN INDIA CAMPAIGN AT JAIPUR JUNCTION 2019**



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### CERTIFICATE OF CLEAN INDIA CAMPAIGN AT JAIPUR JUNCTION 2019



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#### WORK SHOP ON "SAY NO TO TOBACCO" 2019



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#### **FIT INDIA CYCLOTRON 2019**



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#### **CLEAN YOUR SURROUNDINGS**



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### TREE PLANTATION AT GOVT. KUST ROG HOSPITAL, PURANA GHAT, AGRA ROAD, JAIPUR (24 JANUARY 2020)



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### SHRAMDAN FOR CLEANING THE ROAD SIDES NEARBY COLLEGE CAMPUS (29 SEPTEMBER 2023)





FORC Co-ordinator Shri Mahaveer College



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# VISIT TO HORTICULTURE FARM OF GOVT. OF RAJASTHAN (ONE DAY CAMP) 16TH DECEMBER, 2023



FORC Co-ordinator Shri Mahaveer College



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