

#### **7.1.4. Water conservation facilities available in the Institution:**

**1. Rain water harvesting.**

**2. Borewell / Open well recharge.**

**3. Construction of tanks and bunds.**

**4. Waste water recycling.**

**5. Maintenance of water bodies and distribution system in the campus.**

**Response:**

**1. Rain water harvesting:**

The rain water coming from roof tops and that flowing within the campus are collected in one pits of 3m x 3m size, and depth of around 10 feet. It is connected at all feasible points in the campus recharge ground water. It is situated behind the canteen.

<b>S. No.</b>	<b>Location</b>	<b>Size</b>	<b>Purpose</b>
1.	Behind the Canteen	Size: 3ft.* 3 ft.* 10 ft.	Rain water harvesting.

**2. Borewell/ Open well recharge:**

An open well located in the campus is recharged by rain water.

<b>S. No.</b>	<b>Borewell Location</b>	<b>Year</b>	<b>Details</b>	<b>Photos</b>
1.	Mess- Garden Area.	1995	Depth: 300 feet. Width: 6 inch.	Pic. 1
2.	Corner of the playground.	2004	Depth: 430 feet. Width: 6 inch.	Pic. 2

### 3. Construction of tanks and bunds:

A tank of size 15 ft. x 3ft. x 3 ft. is created along one boundary of the college for the collection of waste water. It is situated behind the canteen. The waste water collected in the tank coming out from all over the campus was further used in gardening.

S. No.	Location	Size	Purpose	Photo
1.	Behind the Canteen	Size: 3ft.* 3 ft.* 10 ft.	Rain water harvesting.	Pic. 1 & 2

### 4. Waste water recycling:

Waste water discharged from mess, hostel (Girls/Boys), laboratories, toilets, pantry, employee quarters and canteen waste water are used for gardening, watering of trees, maintenance of ground, etc after primary treatment.

### 5. Maintenance of water bodies and distribution system in the campus:

Groundwater is pumped to storage unit at various locations on campus. The storages tanks are situated on the terrace of the building (White as well as Red) for the supply of water in mess, swimming pool, garden and laboratories, Staff Quarter, Toilets etc. Water is distributed through a well-drained pipe network. The construction committee well monitors the entire water distribution system to ensure: No leaks and loss of valuable water through connections, valves, and etc. Water uses reduces when using low pressure wash. All institute staff and students are well trained to use water economically and efficiently.

S.NO.	Location	Capacity	Supply	Photo
1	White Building	5000 lit. ×1	Offices, Laboratories, Toilets, Staff room.	Pic 5
2	Auditorium	5000 lit. × 2	Garden, Boys Hostel, Toilets,	Pic 4
3	Hostel	5000 lit.× 2	Mess, Cleaning	Pic 3

			section, Girls Hostel.	
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# Maharaja Ranjit Singh College of Professional Sciences, Indore



## Waste recycling system



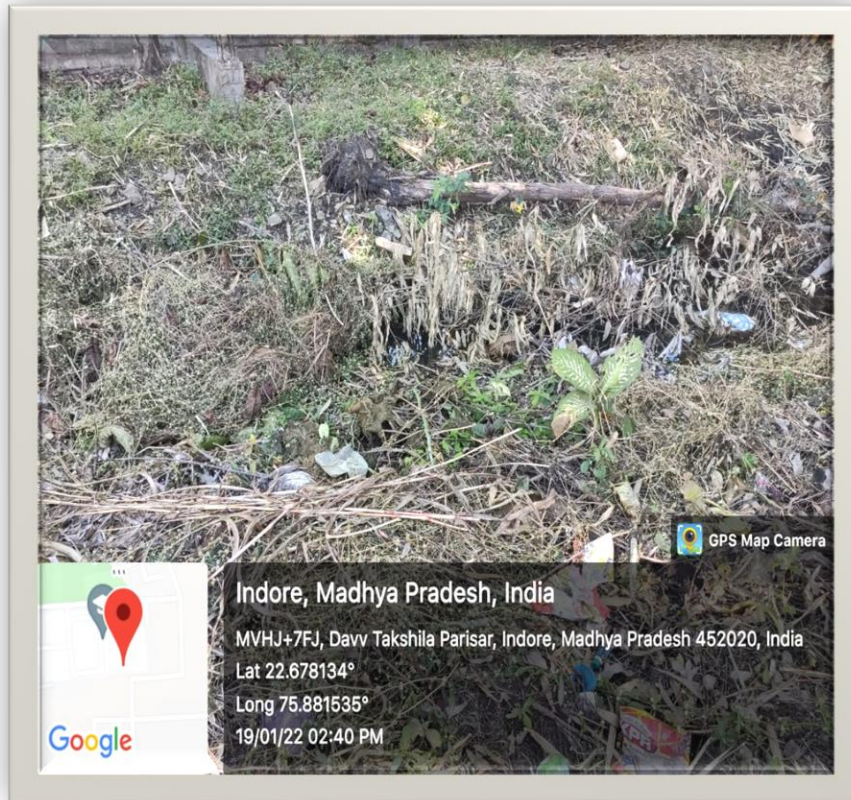




# Maharaja Ranjit Singh College of Professional Sciences, Indore



## Rain water harvesting :- Ground Water Harvesting



South-East Corner of Campus



South-East Corner of Campus





# Maharaja Ranjit Singh College of Professional Sciences, Indore



## Rain water harvesting :- Roof Water Harvesting

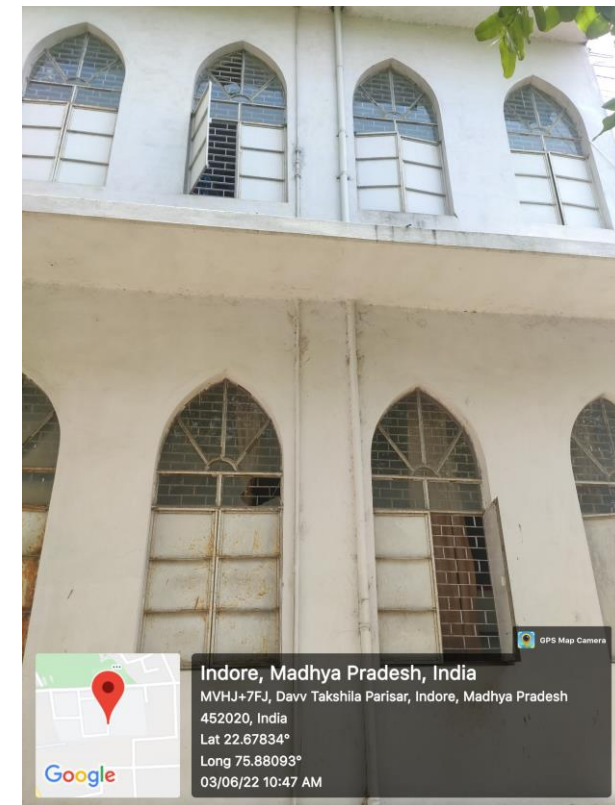
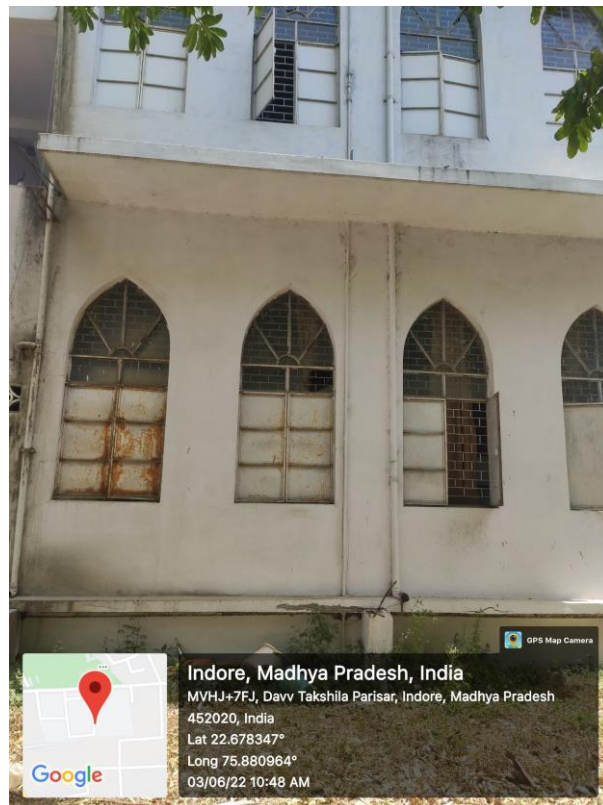




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## Rain water harvesting :- Roof Water Harvesting





## Borewell recharge





## Construction of tanks and bunds



Behind the canteen



Behind the canteen

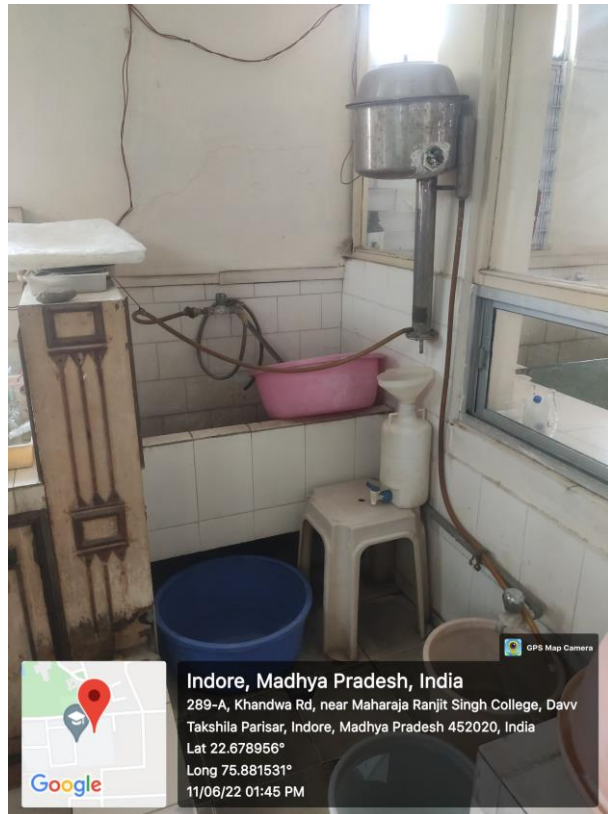




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## Waste water Recycling

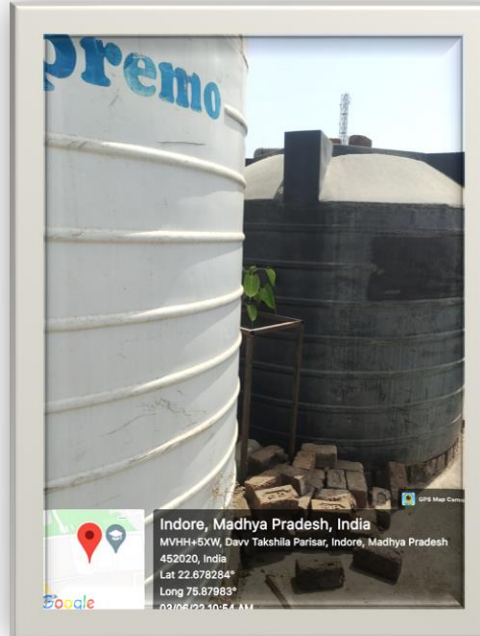




## Maintenance of water bodies and distribution system in the campus



White Building



In Between Auditorium and Mess



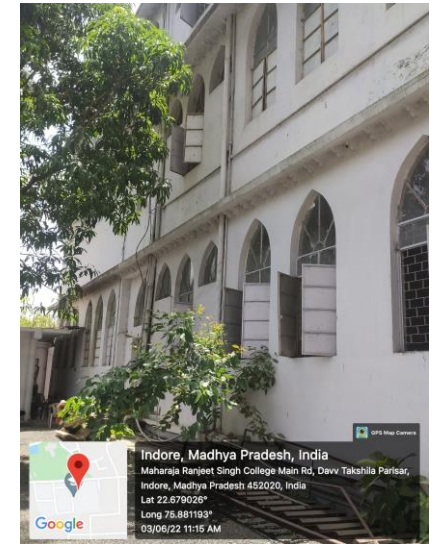
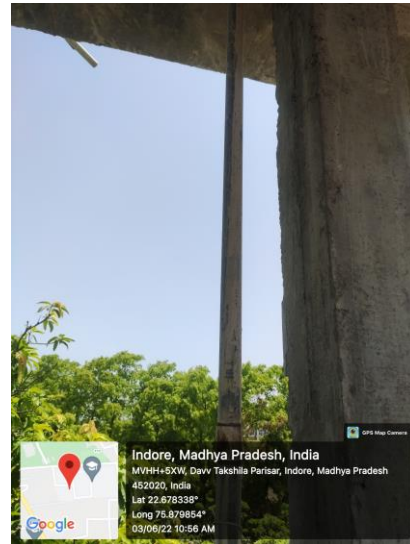
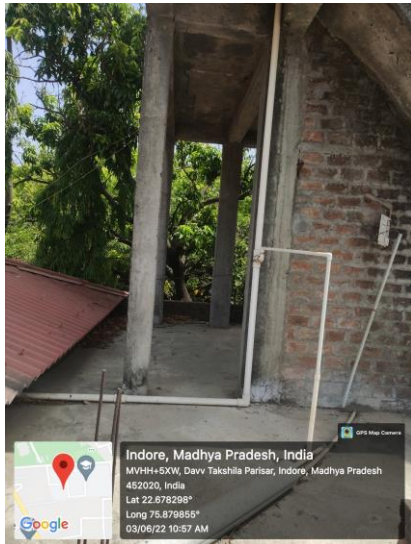
Near Main Gate



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## Water Supply pipes







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## Water Supply pipes

