



SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER

Session 2022-23

**Criterion
VII**

**Institutional Values and Best
Practices**

7.1.4 Water conservation facilities available in the institution:

- 1. Rainwater 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***

7.1.4 Water conservation facilities available in the Institution:

The Sophia Girls' College in Ajmer (Autonomous) is an institution that is sincerely committed to accomplishing its goal of environmental sustainability.

RAIN WATER HARVESTING:

One of the strategies used by the College to conserve water and meet the daily water needs of the Institution is the installation of a rainwater harvesting system. The old rain water harvesting reservoir adjacent to the Chemistry Block of the College has a storage capacity of 2547 litres and the new rain water harvesting system has a massive storage capacity of 100,000 litres. These reservoirs collect rainwater from the College terrace using fully organized pipelines and drainage mechanisms. The rainwater harvesting systems stores enough water to ensure that there is never a water shortage on the college campus, regardless of the season.

OPEN WELL:

There are two open wells in the College campus and these are recharged with water collected from the rain water harvesting system. One open well of 110 feet supplies water at the rate of 45,000 liters per hour. The other open well of 90 feet supplies water to the swimming pool.

TANKS AND BUNDS:

The College has 13 syntax tanks which provide water in the College and Hostel. Also there are 5 cemented tanks to supply water on the Campus.

WASTE WATER RECYCLING:


Water in the swimming pool is recycled annually.

MAINTENCE OF WATER BODIES AND DISTRIBUTION SYSTEM:

The water storage tanks are cleaned twice a year. For drinking purpose, the College has 8 UV purifiers, 4 dispensers and 6 water coolers. 13 syntax, 7 tanks and 2 rain water harvesting pits are used for storage of potable water.

Details of water storage sources

S. No.	Syntax (College+ Hostel)	Cement tanks (College+ Hostel)	Open wells	Rain water harvesting pits	Underground Tanks (College+ Hostel)	Water purifiers (College+ Hostel)	Cleaning frequency	Maintenance staff
1	7+6	3+2	2	2	1+1	6+2	Twice a year	Mr. Pukhraj and Mr. Kailash


Dr. Sr. Pearl
PRINCIPAL
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