

# SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER



## SESSION 2023-24

### Criterion 7: 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:***

Environmental sustainability is an objective that the Sophia Girls' College (Autonomous) in Ajmer is really devoted to achieving.

#### **RAIN WATER HARVESTING**

Though situated in the hot arid climate of Rajasthan, Sophia Girls' College (Autonomous) Ajmer, will never experience a water shortage because of its rainwater harvesting systems' ample storage of water. Installing a rainwater harvesting system is one of the methods the College uses to meet the Institution's daily water needs while also conserving water. The new rainwater gathering system has a huge storage capacity of 100,000 liters and the old rainwater harvesting reservoir, next to the college's Chemistry Block, has a capacity of 2547 liters. These reservoirs use well-organized piping and drainage systems to collect rain water from the College terrace.

#### **OPEN WELL**

Water gathered from the rainwater collection system is used to replenish the two open wells on the College campus. Water is supplied via a single, 110-foot open well at a rate of 45,000 liters per hour. Water for the swimming pool is supplied by the other 90-foot open well.

#### **TANKS AND BUNDS**

Thirteen syntax tanks of the College supply water to both the dorm and the college. Additionally, the campus is equipped with five cement tanks for water supply.

#### **WASTE WATER RECYCLING**


Water in the swimming pool is recycled periodically.

#### **MAINTENCE OF WATER BODIES AND DISTRIBUTION SYSTEM**

Twice a year, the water storage tanks are cleaned. The College features eight UV purifiers, four dispensers, and seven water coolers for drinking. Potable water is stored in 13 syntax, 7 tanks, and 2 rainwater collection pits.

### 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  
 SOPHIA GIRLS' COLLEGE  
 (AUTONOMOUS)  
 AJMER