

Rainwater harvesting or Sub-Soil Recharging Scheme of Saroop Rani Government College for Women, Amritsar

Rainwater harvesting can be defined as an activity of direct collection and storage of rain water, as well as other related activities aimed at harvesting and conserving surface run off and ground water to prevent its loss through evaporation and seepage.

Rooftop rain water harvesting technique is used in our college to recharge the sub soil strata. Rainwater from the rooftops is collected in recharge chambers. There are 12 recharge chambers build in different parts of college. Rain water is collected in these chambers through pipes installed from roof top to chambers. The Recharge pits of these chambers are backfilled with small gravel and sand (Top Layer), pebbles (Central layer) and brick bats (bottom layer), so that the silt content that will come with water will be deposited on the top of the coarse sand layer and can easily be removed. Water gets cleaned as it passes through these layers and thus clean water reaches to the ground water table to recharge it. The college building consists of three main blocks of education and one of residential i.e. Girls hostel.

Recharge Chambers

The 12 recharge chambers are installed on the following locations in the college:

Sr No.	Location	Size
1	Near the entrance	8'x5'
2	Staff room lawn	8'x5'
3	Outside staff room	8'x5'
4	In front of Dance room	8'x5'
5	Outside Chemistry department	8'x5'
6	Hostel lawn	5'x5'
7	Near hostel washrooms	5'x5'
8	Backyard of hostel	5'x5'
9	In science lawn	8'x5'
10	Near book shop	8'x5'
11	Near sports department	8'x5'
12	Outside canteen	8'x5'

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23/9/23
Principal,
Saroop Rani Government
College For Women
Amritsar.

RAIN WATER RECHARGE CHAMBERS



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22/9/23
Principal,
Saroop Rani Government
College For Women
Amritsar.
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Maintenance of Recharge Chambers:

For the regular maintenance of recharge chambers, roof tops of college building are cleaned on regular basis. Before the rainy season inlets of pipes are checked and cleaned properly. Chambers are also cleaned so that water goes uninterruptedly to subsoil.

LABOURERS REPAIRING RAIN WATER HARVESTING CHAMBERS NEAR SCIENCE BLOCK



Department of Higher Education, Ministry of Education, Government of India awarded 'A Grade' to college in rooftop rain harvesting.

Parameters	Green Cover on campus	Surface Water Harvesting	Rooftop Water Harvesting	Boiling Water System	Waste Management
Grades	A+	A	A	C	A

This is to certify that
Saroop Rani Government College for Women, Amritsar, Punjab
graded as

for the academic year of 2022-23 in Phase I of the
National Rural Institutions Sustainability Grading (NRISG)

Date: 15/5/2023

Member Secretary

Mahatma Gandhi National Council of Rural Education
Department of Higher Education Ministry of Education
Government of India

Certificate NO: MNCRE/NRISG/Amritsar/01

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Principal,
Saroop Rani Government
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