



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
NAAC Accredited



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7.1.4-Water conservation facilities available in the Institution

1. Rain water harvesting:

Institute contains separate building for major departments. The department of Chemistry and Zoology has rain water harvesting system. The department of chemistry gets distilled water for laboratory use throughout the year by rain water harvesting system. This reduces the electricity consumption, which is required to supply distilled water for the entire department. Most of the departments have roof-top water harvesting in rainy season. Water collected on the roof is collected into small pits. The collected water is used for gardening and washing purpose. Institute makes efforts to minimize loss of water and to retain/boost the ground water level by allowing rain water to flow through trenches. The department of Geology monitors the quality and ground water level periodically. There is one bore well in the campus. As the Institute has larger number of varieties of trees which, play a crucial role in preserving ground water level.



Rain water harvesting (Enrichment of Ground Water) in Zoology Department



Waste water recycling in Chemistry Department

2. Bore well/ Open well recharge:

Bore well / Open well recharge is very effective method of rain water harvesting. The bore wells on campus are used to replenish rainwater. Bore well recharge technique also makes sure the storage of naturally filtered rainwater. The Institute has twelve bore wells and one open well which provide the water to the departments/Hostels/Office/Sports building etc.

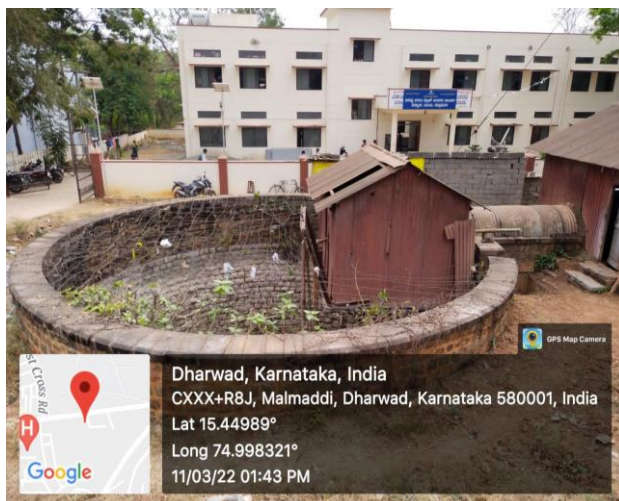
4. Open Well:

SI No	Name of the Department/Place	Number of Open well
1	Karnatak science college campus	1

5. Bore well:

SI No	Name of the Department/Place	Number of Borewells in the campus
1	Karnatak science college campus	12

Bore well /Open well recharge



3. Construction of Tanks/ Ponds.

Water tanks have been constructed to provide adequate water facility to aquatic plants culture and fish cultivation in the department of Botany (02), BCA(01) and Zoology (14). These tanks are regularly monitored by the respective departments. Ponds of Botany department are used for Lotus growing and aquatic plants culture. Ponds in the department of Zoology are used for fish farming.

Number of Tanks/Ponds:

Sl No	Name of the Department/Place	Number of Tanks/Ponds	Storing Capacity (in Ltrs)
1	Botany	2	2000
2	Zoology	14	5000
3	BCA	1	5000
Total		17	12000

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

The institution has 72 Overhead tanks, 02 underground tanks, 01 Open Well, 12 Borewell, 09 tanks and ponds. The college has a separate building department with good number of technical staff for the Maintenance of water bodies in the campus. The water bodies are regularly maintained by the technical staff of the building department of the college, as a result of which college does not face the water scarcity.

1. Total number of overhead tanks with different capacity in the campus: **72**
2. Total number of Underground Tanks: **03**
3. Number of Tanks/Ponds: **07**
4. Open Well: **01**
5. Bore well: **12**

1. Overhead Tanks

Sl No	Name of the Department/Place	Number of <i>overhead tanks</i>	Storing Capacity (in Ltrs)
1	Behind Gothic structure	1	10,000
2	Geography	1	2000
3	Zoology	1	1500
		4	2000
		1	1000
4	Hospital	1	1000
5	N1,N2	1	4000
6	Science Block	6	2000
7	Washroom (Ladies adjusted to Chemistry)	2	2000
8	Library	3	2000
		1	1000
9	BCA	7	2000
10	Physics	6	2000
11	Student Room	3	2000
12	Forensic Science	2	2000
13	Botany	7	2000
14	Kaveri Ladies Hostel	6	2000
		2	4000
		2	1500
15	Kaveri Ladies Hostel Wing 2	8	2000
16	Badminton Hall	2	2000
17	Aganashini	5	2000
Total		72	52000

2. Underground Tanks:

Sl No	Name of the Department/Place	Number of Underground Tanks	Storing Capacity (in Ltrs)
1	Botany	1	10,000
2	Physics	1	10,000
3	BCA	1	5000
Total		3	25000