



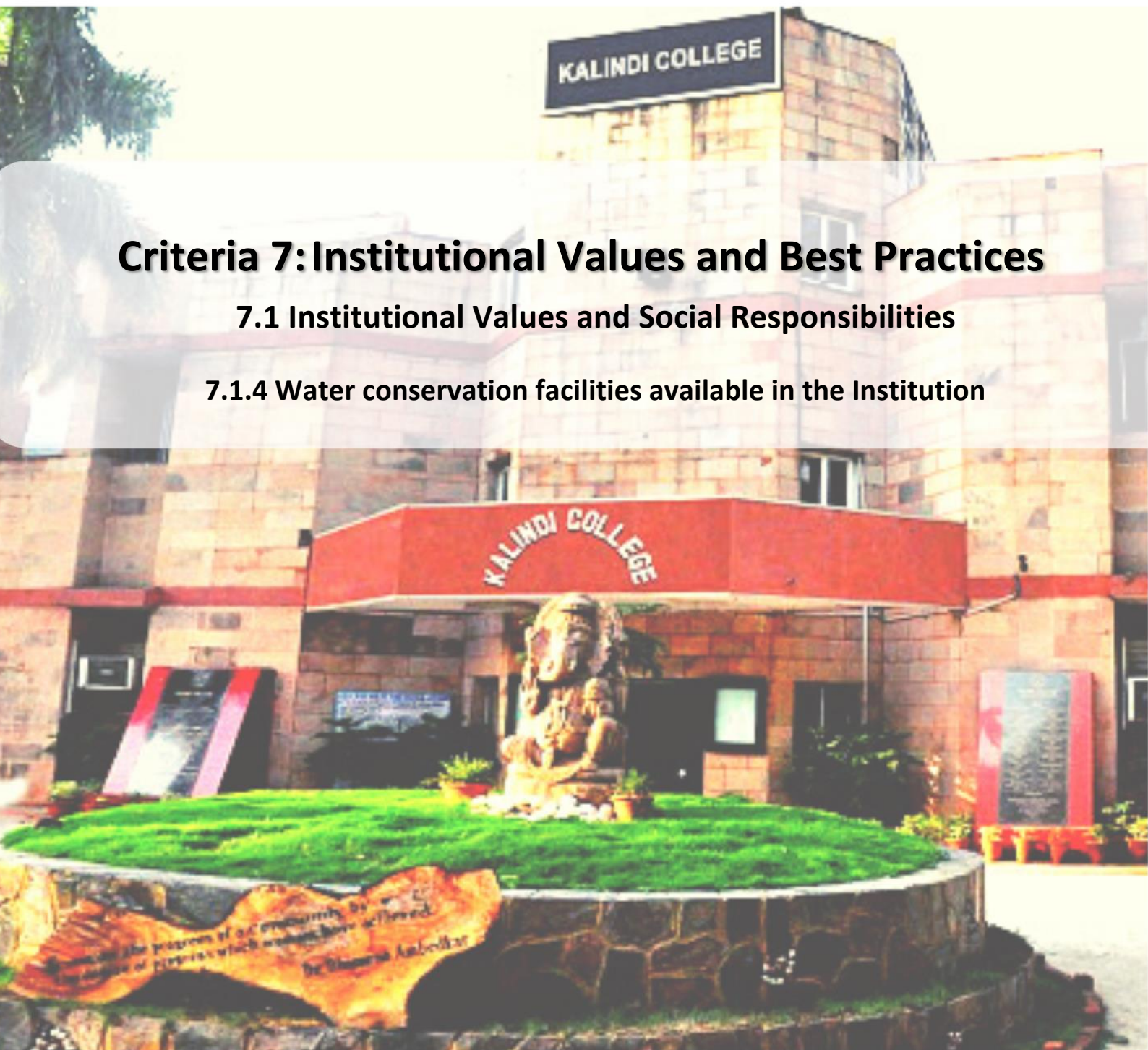
KALINDI COLLEGE

NAAC Accredited with Grade 'A'
(University of Delhi)

Criteria 7: Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.4 Water conservation facilities available in the Institution



Submitted to
National Assessment and
Accreditation Council (NAAC)
(2016-21)

GREEN AUDIT
KALINDI COLLEGE, UNIVERSITY OF DELHI



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DECEMBER, 2021

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Additional information with evidential proof on ENERGY USE & ITS CONSERVATION are attached at Annexure-III of Annexure report.

IV. WATER CONSERVATION

1.	What are the sources of water in the Kalindi college?	1) Supply from Delhi Jal Board; 2) Groundwater; 3) Rainwater Harvest. (ANNEXURE-IV of ANNEXURE REPORT)
2.	List uses of water in your college?	1. Drinking 2. Gardening 3. Kitchen and Toilets 4. Washroom and Construction. (ANNEXURE-III of ANNEXURE REPORT)
3.	Daily quantity of water pumped per day?	Total use of Water= 50,000 Lit. per day. In working days= 2000 to 2500 litres per day Daily use of water= 50,000 lit./ working day. (ANNEXURE-IV of ANNEXURE REPORT)
4.	How does your college store water? Are there any water saving techniques followed in your college?	Overhead Water Tanks and Underground Water tank installed for storage of water. (ANNEXURE-IV of ANNEXURE REPORT)
5.	Are there signs reminding student/staff to turn off water taps?	Yes
6.	Write down ways that could reduce the amount of water used in your college and is being practiced.	Basic Four ways: 1. Close the taps after usage; 2. Maintenance and monitoring of valves in supply system to avoid overflow, 3. Maintain leakage and spillage; 4. Water Conservation awareness for students. (ANNEXURE-IV of ANNEXURE REPORT)
7.	Record water uses from the college water meter for one year? And annual water charges paid for water uses?	1574 units (Approx.), in working days. Rs. 366513 per year (ANNEXURE-IV of ANNEXURE REPORT)

8.	Does your college harvest rain water?	Yes, through modern rain water harvesting system are available. One rain water harvesting unit of about 20,000 lit water capacity has been installed in college premises. (ANNEXURE-IV of ANNEXURE REPORT)
9.	Is there any water recycling system or treatment of water?	No
10.	Does college organized workshop/ conference/ training/seminar for the student and college staff for water management and conservation?	Yes, college administration and eco-club organizes various conferences and seminar for water conservation and management. (ANNEXURE-IV of ANNEXURE REPORT)

Water is a natural resource; all living matters depend on water. While freely available in many natural environments, in human settlements potable (drinkable) water is less readily available. We need to use water wisely to ensure that drinkable water is available for all, now and in the future. A small drip from a leaky tap can waste more than 180 liters of water in a day; that is a lot of water to waste - enough to flush the toilet eight times! Aquifer depletion and water contamination are taking place at unprecedented rates. It is therefore essential that any environmentally responsible institution should examine its water use practices. Water auditing is conducted for the evaluation of facilities of raw water intake and determining the facilities for water treatment and reuse. The concerned auditor investigates the relevant method that can be adopted and implemented to balance the demand and supply of water. It is therefore, essential that any environmentally responsible university/ college/ institution examine its water use practices.

The *Kalindi college* of Delhi University, uses the water in various ways such as drinking, gardening, kitchen and Toilets, washroom and construction purposes. The Kalindi college uses 50,000 lit. per day water as basic use. However, total use of water in working days is 2000 to 2500 litres per day. The college is being practicing reduction and minimization of water use. Furthermore, the college is also practicing in prevention and leakages of water. There are four basic ways adopted by the college to prevent and minimize water wastage in the college: 1. Close the taps after usage; 2. Maintenance and monitoring of valves in supply system to avoid overflow, 3. Maintain leakage and spillage; 4. Water Conservation awareness for students. It is revealed that record water uses from the college water meter for one year is being practiced. It is also revealed that Kalindi College is recording daily 1574 units working days (Approx.) as running water bill per month and annual water charges paid

for water uses is Rs. 366513 per annum. The Kalindi College is also practicing modern rain water harvesting system and there is one rain water harvesting unit of about 20,000 lit water capacity which was installed in college premises. Besides that, college administration and eco-club organizes various conferences and seminar for water conservation and management. The college administration and eco-club organizes various conferences and seminar for water conservation and management.

Additional information with evidential proof on Water Conservation are attached at Annexure-IV of Annexure report.

V. CARBON FOOTPRINT

1.	Total Number of vehicles used by the stakeholders of the college (per day). Number of visitors with vehicles per day?	During normal days ~ 205 persons uses cars/scooters/motorcycles/cab/taxi/auto/metro everyday No. of visitors per day ~10 to 12 visitors per day during normal days (ANNEXURE-V of ANNEXURE REPORT)
2.	No. of two wheelers used by the staff members and students? (Annual average of fuel used).	~ 18 staff members uses average fuel ~ 120 to 230 litres annually ~ 12-15 students (ANNEXURE-V of ANNEXURE REPORT)
3.	No. of cars used per day by the staff and students of the college? (Annual average of fuel used)	~ 38 staff members uses average fuel ~ 480 to 849 litres annually No students uses car (ANNEXURE-V of ANNEXURE REPORT)
4.	No. of cycles used by the staff members and student and no. of persons using common (public) transportation?	1 faculty member uses cycle No other staff members and students use cycle ~ 195 staff members (teaching + non-teaching) uses Common public transport (Bus/Metro/Auto/Taxi) (ANNEXURE-V of ANNEXURE REPORT)
5.	Number of generators used every day (hours). Give the amount of fuel used per day? (Annual average of fuel used)	1 generator Rarely used
6.	Number of LPG cylinders used in the canteen (Give the amount of fuel used per month and amount spent).	2-3 Blue commercial cylinders in 3 days (~13-14 cylinders per month) Each cylinder weighs 19kg and rates ~900Rs. The canteen has started running from last month of this year. Usage is ~1 Blue commercial cylinder in a week Each cylinder weighs 19kg and rates ~Rs. 1000 (ANNEXURE-V of ANNEXURE REPORT)



Figure : Water storage sites in college campus



Figure : Ground water extraction site in college campus



Figure : Rain water harvesting site in college campus

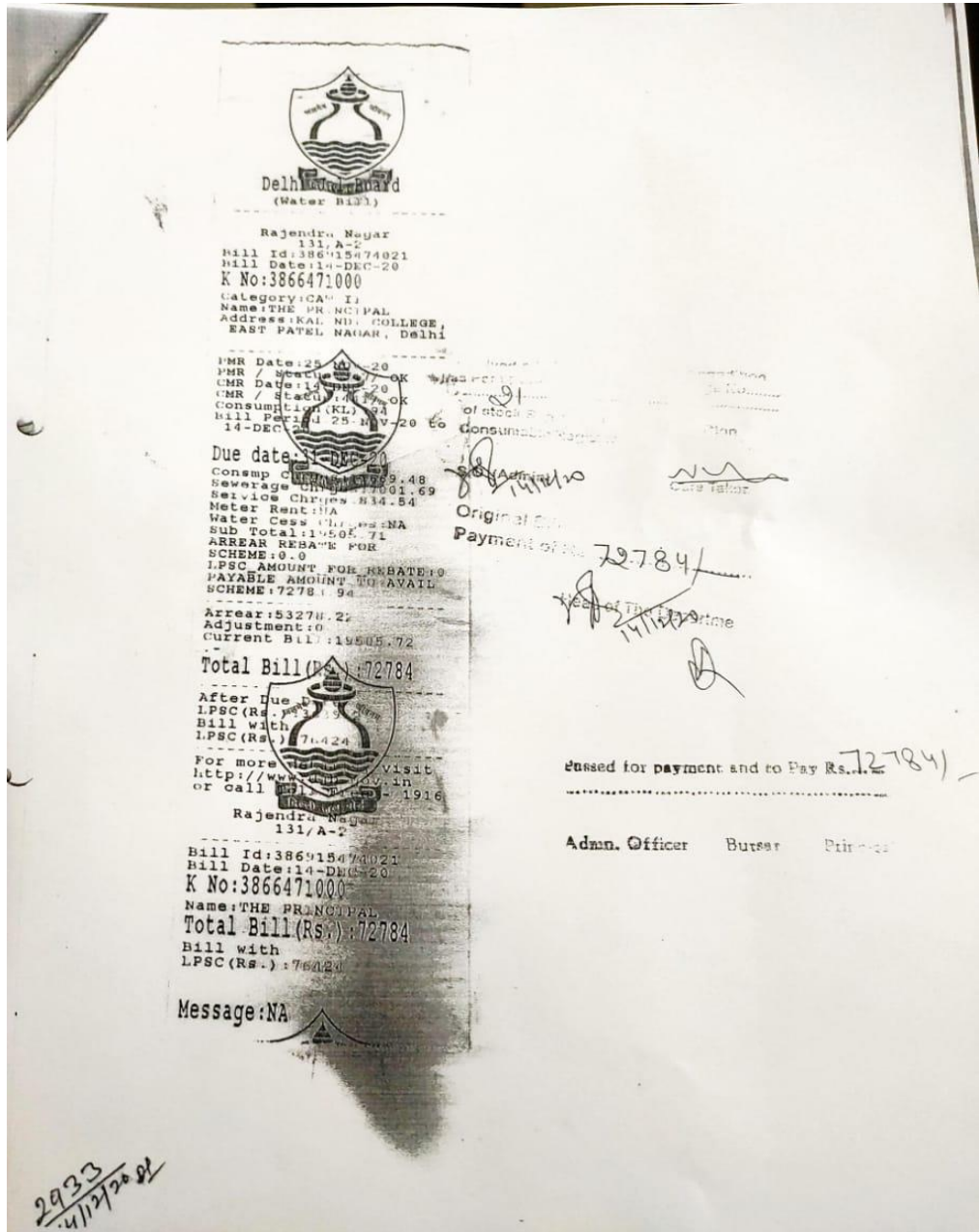


Figure : Water bill issues by Delhi Jal Board (for the year 2020)

Water Awareness Programs

World Water Day-Eco club celebrated world water day on 22 March 2021. In which students took pledge on online mode to save water. On this day an online speech competition ‘AQUABLISS’ was held and the topic was ‘Innovative ideas for water conservation’ to get to know about more practical and creative ways to conserve water.



Figure : Pledge Taking ceremony On World Water Day - 22th March 2021