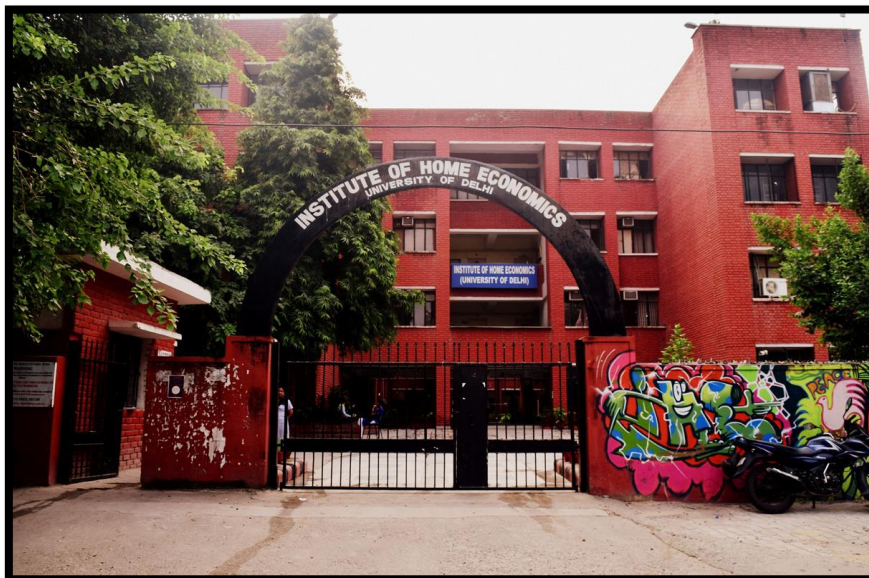


# INSTITUTE OF HOME ECONOMICS

(UNIVERSITY OF DELHI)



**Supporting Documents for Criterion 7.1.4**  
**Water Conservation Facilities available in College**



# INSTITUTE OF HOME ECONOMICS

(University of Delhi)

इंस्टिट्यूट ऑफ़ होम इकोनॉमिक्स  
(दिल्ली विश्वविद्यालय)



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Ref. No. ....

## Supporting Documents for Criterion 7.1.4

### Water Conservation Facilities available in College

Key Indicator	Details of Proofs Attached	Page No
7.1.4	Geotagged Pics 1.Storage tanks 2. Rain water harvesting 3. Recycling waste water 4.Use of sprinkler for gardening	3-5
7.1.4	Water Conservation Report	6-7



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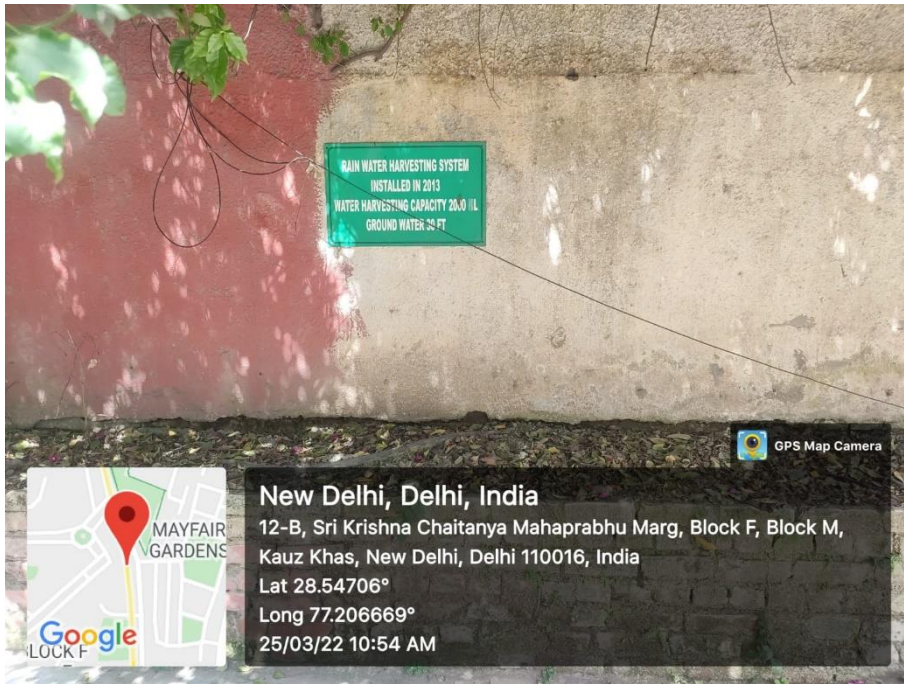
Email / ई मेल : principal@ihe.du.ac.in Website / वेबसाइट : www.ihe-du.com

## Rain Water Harvesting and Water Storage Tanks



Storage tanks





## Rain Water Harvesting System

## Waster Water Recycling





**Use of Water Sprinkler for Gardening**

## **Water Conservation Report**

### **Activities Conducted:**

#### **1. Plantation/ afforestation drives and groundwater recharge**

The college has a team of gardeners and environment committee members who manage the college's greenery and landscaping. Along with the seasonal floral plants, over 80 different species of trees and different types of medicinal plants have been planted in and around the campus area. The institution maintains three small nurseries that offer plants to the college gardens and the plantation programme on a regular basis. Our college has just introduced organic vegetable gardening for the production of seasonal crops for demonstration purpose. Such initiatives of plantation drive on the part of the environment and community outreach committee aids in water percolation deep into the ground with tree roots loosening the soil and elevating the ground water level. Plantation drives also helped boost the process of transpiration of the aerial parts of the plants.

#### **2. Nadi ko Jano campaign**

The Environment and Community Outreach Committee of the college has implemented a number of sustainability initiatives aimed at instilling responsible behavior and environmental ethics in students, faculty, and community members. Participation of students and faculty in the 'Nadi ko Jano campaign' in one such initiative. College students and faculty participated in a nationwide campaign titled 'Nadi ko Jano'organised by Research for Resurgence Foundation (RFRF) for crowd sourcing of real time data on rivers of India. The campaign was launched by Honourable Minister for Education Shri. Dharmendra Pradhan on the occasion of Vyasa Pooja (25th July 2021). Mr. Aakash Upadhyay, Committee Member and representative of Delhi University (Nadi ko Jaano Abhiyan) conducted an online interactive session on 'Nadi Ko Jano Abhiyan' on November 13th, 2021 exclusively for students and staff of IHE. In total, around 496 students and faculty members have registered for this campaign and have actively completed the required prerequisites that involved visiting rivers and writing the detailed information about them as suggested in the campaign form. This campaign helped in creating awareness amongst students about importance of our local water bodies and rivers, and how these water sources can be managed in sustainable manner.

#### **3. Rain Water Harvesting**

Out of the several ways that college has adopted to preserve and further improve the environment, one of the most significant steps taken by college is adopting the Rain Water Harvesting system. As the level of water table is continuously going down especially in cities like Delhi, rain water harvesting is an important way to reduce the stress on water table. Reduction in water treatment, lower water bills, savings on washing maintenance and healthier gardens are the other added advantages of rainwater harvesting. The college installed a rain

water harvesting system in the year 2013. The capacity of the system is 2000 KL. The harvested water is used for recharging ground water. College is also planning to remodel its RWH system so that harvested water can be recycled and reused for gardening and cleaning purposes. Apart from saving water, the system also motivates college students to save water and reduce its wastage.

#### **4. Webinar on Traditional Water Waste Management**

International Mother Earth Day was commemorated by a webinar on April 22, 2021. Dr. Yogesh Aniruddha Murkute, a hydrogeologist at RTM Nagpur University's PG Department of Geology, having 22 years of expertise in the field (water conservation and management) was the event's keynote speaker. He addressed students and staff on "India's Ancient and Traditional Water Management System." In his lecture, he emphasized that water security has always been a challenge and the concern is increasing all the more with the expansion of the world's population. He further discussed India's long history of water management and traditional methods of water conservation. He briefed about mechanisms through which rain water was stored to meet the needs of the community during the dry months of the year in dry states in India. Structures were created in ways so that conventional water harvesting systems can be used to collect and store rainwater, and even refill and recharge groundwater in the process.

#### **Future activities which environment and community outreach committee envisions to undertaken at the college level**

- **Posters Competitions/ Power point Presentations / Slogans** on Water conservation, e.g, Simple Actions = Big Water Savings
- **Interactive Discussions/ Quiz** on 'HOW CAN STUDENTS SAVE WATER IN COLLEGE'
- Sensitising the students and staff through **workshops**
- Each student/ faculty calculates his/ her **water footprint**. Possibility of a study can be explored using appropriate questionnaires using google forms that can be circulated to staff and students.
- **Water use audit** of the college can be done: A physical inspection of the college can identify inefficiencies and look for opportunities to increase water conservation throughout the physical structures on campus.



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