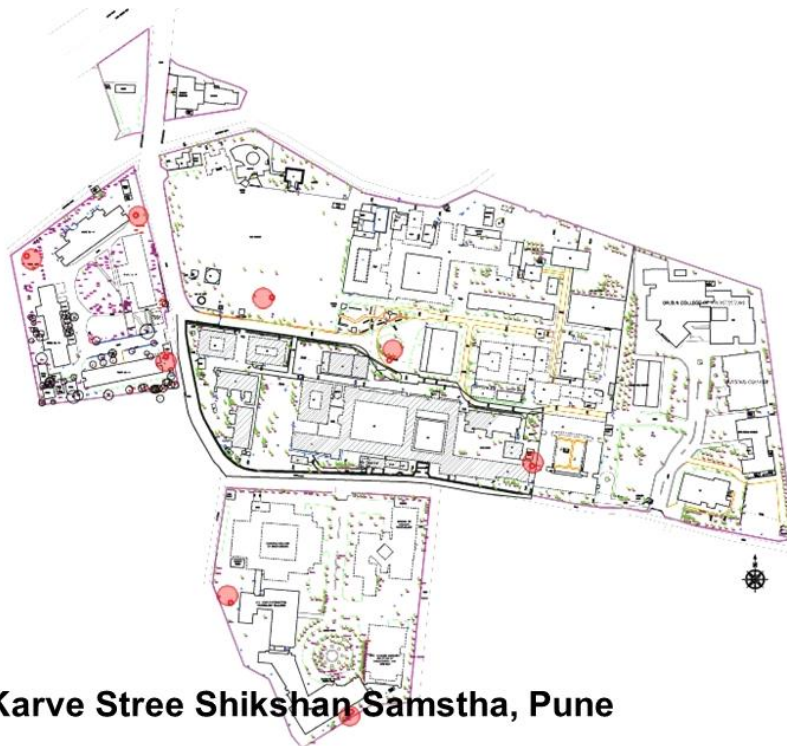


### 7.1.2.3 Water Conservation

Water conservation is another cornerstone of the institute's sustainability efforts. A rainwater harvesting system with a capacity of 4,20,000 litres ensures borewells remain recharged throughout the year. Additionally, a wastewater treatment plant recycles 2 lakh litres of grey water daily, which is then reused for landscaping and flushing purposes. Combined, recycled wastewater and harvested rainwater contribute 3 lakh Litres daily, fulfilling 37% of the campus's water requirements. Water saving low-flow fixtures are used in most of the toilet blocks in the BNCA building.

#### a. Rainwater harvesting

The MKSSS campus has a fully operational rainwater harvesting system. The harvested rainwater gets collected in chambers to recharge the bore wells on the campus. This helps to keep the bore wells recharged throughout the year and increases the water table. The rainwater harvested through the bore wells is used further for landscaping and irrigation purposes.



**Maharshi Karve Stree Shikshan Samstha, Pune**

*Location of Rainwater Harvesting Pit*

## b. Borewell/Open well recharge

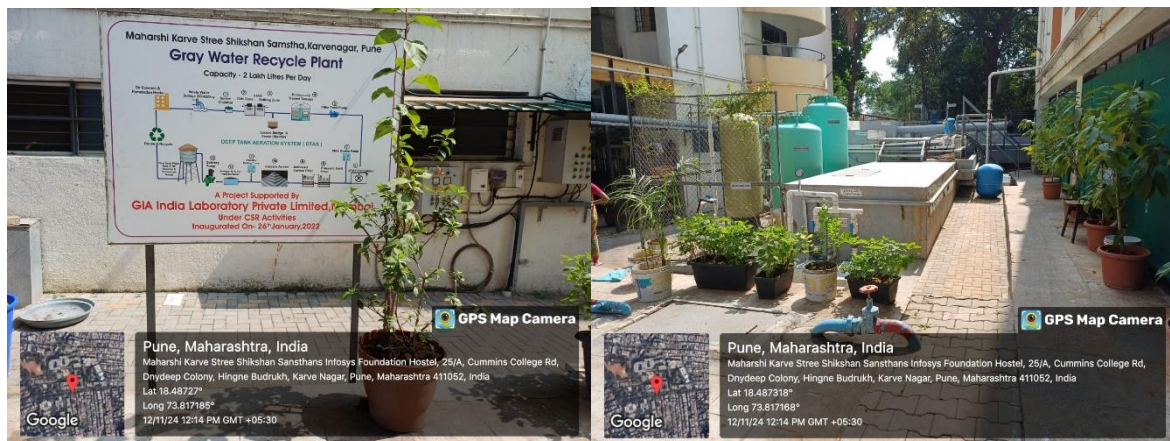
The stormwater in the campus is collected through channels and led into recharge pits. The landscape water requirement of irrigation is met through water recharged in these bore wells at the campus level.



*Recharge borewell and stormwater collection system*

## c. Wastewater / Grey water treatment plant

A wastewater treatment plant installed near the hostel efficiently treats and recycles 2,00,000 lit. of grey water, thereby reducing the demand for fresh water. The treated water is used for flushing purposes in the hostels and for irrigation.



*Grey Water recycle Plant on the MKSSS Campus*

## Green Campus Initiatives

BNCA commits to sustainability and the efforts are reflected in various activities and programs aimed at reducing waste, conserving energy, and enhancing green spaces. From tree plantation drives to waste management programs, these efforts improve the campus environment and help instill a sense of responsibility among students, staff, and the community. Through these activities, the college aims to serve as a model for sustainable practices, inspiring stakeholders to adopt eco-conscious habits in their daily lives.

- **QR coding of campus trees-** Separate unique QR codes and URLs are developed for individual trees giving information about that tree at a single click. The project aims to promote awareness of the importance of trees in urban ecology and biodiversity in an educational campus and to spread information about trees in society using easy and effective technological mediums.



*QR coding activity for the trees on the MKSSS Campus*

- **Tree Plantation Drive**

- i. The NSS team of BNCA organized a tree plantation activity on 15<sup>th</sup> Aug 2023. Enthusiastic participation from the students and the staff not only added greenery to the campus but also instilled a sense of unity and responsibility towards the environment among the participants.



- ii. 'Environment Week' was celebrated from 3<sup>rd</sup> – 7<sup>th</sup> June 2024 by organizing a tree plantation drive on the MKSSS campus ahead of World Environment Day. The students planted indigenous plant varieties on the campus as their contribution to safeguarding the environment.



- World Water Day 22 March 2021

22 March 10:42

**World Water Day**  
I care for each drop

UNWATER BNCA DEAP

*Check your toilet for leaks.*

*Put a few drops of food coloring in your toilet tank. If, without flushing, the coloring begins to appear in the bowl, you have a leak that may be wasting more than 100 gallons of water a day.*

*#worldwaterday #savewater  
#sustainability #savingwatertips  
#lovenature #savetheworld*

*@bnca\_environment*

**I PLEDGE TO  
SAVE WATER  
SAVE WATER IN EVERY WAY**