

## 1. Title of Best Practice I:

### **Clean and Safe RO (Reverse Osmosis) Drinking Water for Villagers & College**

**Introduction:** Drinking water to villages is supplied from the channels like wells, lakes and borewells. The problem with such drinking water is that it contains harmful toxins and inorganic compounds such as lead, which in excess can cause high blood pressure and kidney problems.

Taking into consideration this fact, college took an initiative to create clean and safe drinking water facility and bring its awareness among the people.

## 2. Objectives of the Practice:

- Increase participation of stakeholders in social work.
- To solve severe problem of drinking water of villagers.
- Motivate the college students about water conservation and management.
- Sustainability of water conservation practices.
- Strategies for managing water resource supply and demand.
- Water substitution and its reuse.
- Interaction with needy people for their problems.

## 3. The Context:

In Maharashtra state, Parner tehsil is a permanent drought-prone region. So, there is water scarcity in the vicinity.

- There is no dam or river flowing through Parner tehsil.
- The college located area is less economically developed due to water shortage for agriculture and drinking water.
- Our college is located at Plateau, so less water percolation.
- '*Mandohol*' is the only natural rainwater reservoir which is the source of drinking water for many villages.

Alumni of our college who are active in 'Amhi Takalika Group' non-governmental organisation who had given a thought to supply of clean and safe drinking water to the villagers. Through their efforts and involvement in this task they through the help of gram panchayat and guidance from college collaborated the project. Towards this endeavour college decided to contribute to the social responsibility. Hence the best practice of Clean and Safe RO Water for drinking is chosen for the implementation. With constant relations with alumni the meeting and plans were executed. The NGO contributed a lot to the development of the college also. In that they donated books worth of fifty thousand to the college. They played vital role in National Service Scheme activities, plantation of trees, in the year 2019, the college signed an MOU with this NGO.

## 4. The Practice:

- The college has done MoU with NGO "Amhi Takalika Group" for different social activities in Takali Dhokeshwar village.

- With the motto of “YES WE CAN”, we have started a drinking water project for entire villagers.
- The RO water project started with low cost for drinking water purpose and wastewater utilized for cleaning, washing, bathing, and gardening purposes.
- The water conservation CCT and KT wells (*bandharas*) and ponds were dug through our activity by which the water storage is increased from 30% to 85%.
- We always organize cleanliness drives, health camps, tree plantations, and sports activities throughout the year.

#### 5. Evidence of Success:

- Ten Thousand liters of drinking RO water is provided per day to the entire village at a rate of 50 Paisa/Litre. via digital water meter.
- The rainwater storage in KT wells and agriculture artificial tanks increased from 30% to 45% water percolation and subsequently groundwater level increased by percolation for agricultural purposes.

#### 6. Problem Encountered and resources required:

In the rainy season, we get plenty of water in the village common well. But during the summer season common wells dry up and water has to be fetched by tanker from a small ‘*Mandohol*’ water reservoir which is a little expensive.

#### 7. Notes (Optional):

- Amhi Takalika Group and College have developed the Cemetery (*Graveyard*) place by different facilities like male-female toilets, tree plantation, paving blocks.
- To create awareness about the importance of water in society, street plays, rallies, poster exhibitions, cleanliness drives, etc. were organized by the college.

### 1. Title of Best Practice II: Green Campus

- **Introduction:** A Green Campus is a place where environment friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. We believe that greening the campus is all about sweeping away wasteful inefficiencies and using conventional sources of energies for its daily power needs, correct disposal handling, purchase of environment friendly supplies and effective recycling program.

### 2. Objectives of the Practice:

- To avail various species of plants on the college campus.
- To create a healthy and conducive physical environment for learning.
- To enhance the beauty of the campus and conserve the trees during drought conditions.
- To increase awareness of the environment among the stakeholders.

### **3. The Context:**

- It was necessary to develop the college campus, so the college constructed the botanical garden, medicinal plant garden. For eco-friendly energy source, solar energy plant needed to be installed. Rainwater harvesting was necessary in conserve water.

### **4. The Practice:**

- All stakeholders participated year wise in various activities as following details.
- In 2017-2018 Solar Power proposals were submitted to university. Tree Plantation with the help of Amhi Takalikar and Forest Department.
- In 2018-2019 Shed-Net house was built for Vermiculture, Ornamental, Flowering, and Medicinal plants. This shed net is in use for Plant Propagation purposes.
- In 2019-2020 10 kW on-grid Solar Power Plant was installed. A water storage tank of one lakh litre capacity was built near the Ladies' Hostel.
- In 2020-2021 5 kW off-grid Solar Power Plant was installed for the Ladies' Hostel. Lotus and Lily Garden developed behind the Hostel through donations from NGO named Anandsindhu. Introduced an environment-friendly beekeeping course.
- In 2021-2022 Rain Water Harvesting Project, Medicinal Plant, and Botanical Garden were completed. Benches donated from local eminent people and institutions.

### **5. Evidence of Success:**

- Botanical, Lotus and Medicinal Plant Garden were developed.
- A water tank was built to collect water from the terrace of the college.
- 15 kva. solar projects installed. Rainwater harvesting project completed.
- Students in their spare time can be seen studying, discussing, and taking a rest in the shed of trees.
- The green campus has added to students' interest and attention to environmental issues. They have become aware of their role in the environment.

### **6. Problems Encountered and Resources Required:**

- The college is situated on a barren hill slope. The soil is infertile. Besides, this region is in a drought area. There is a low rainfall so manpower and water management are essential for plant preservation.
- During the covid 19 pandemic situation it was a very tough task to preserve flora and fauna developed on a college campus, but with the help of drip irrigation and a water storage tank, it was made possible for us to irrigate.

### **7. Notes (Optional):**

- Various plant species have been cultivated.
- Botany is the conservation of various rare plants.