

### **7.1.6 Relevant Information on Environment and energy audits**

The campus of Government College of Pharmacy Amravati is well maintained with plantation of varieties of medicinal plants in the campus. The campus has substantial number of plants and trees to maintain the greenery in the campus with spent sufficient expenditure. Variety of herbs, decorative/ornamental plants, bushes, shrubs has been planted in the campus. The campus is a “No Smoking and Plastic free Zone”

The building of Government College of Pharmacy, Amravati constructed by Public Work Department is based Solar Passive Architecture Technology. The design of the institute has been planned by considering the solar exposure and wind movements. Therefore exposure of direct sunlight to the building wall is hindered during summer whereas sunlight enters in building during winter season which helps to maintain the temperature. The windows are positioned considering the wind direction to ensure the air circulation in the building. The stack ventilators used remove the air at roof. Turbines suction Hot air through stacks allowing the entry of outer cool air to maintain air flow in the rooms. Roof of the building reflects the heat. Overall, the design and architecture of the building ensure the air temperature within the building at 27°C.

The rainfall collected on the roof is collected in the tank constructed below the stage and used for the bathrooms and toiled. Moreover, this water can be employed for drinking purpose after some precaution measures and treatment. Heighted trees have been planted along the west and south side of the building. This helps the cooling of air before entering in the building. All this measures has resulted into the energy conservation by 36%. The architecture of this building has received the award for energy efficient building of the state in 2006 by Maharashtra Energy Development Agency.



### 7.1.6 Beyond the campus environmental promotional activities

#### Tree plantation

Under the theme of 13 crore trees plantation, students actively participated in tree plantation program and planted various medicinal & non medicinal saplings in college premises as well as outside the campus like officer club. Dr. S. S. Khadabadi, Principal delivered key note about current issues of global warming and importance of trees for nature balance, NSS volunteers taken the responsibility for tress conservation.



### Swachha Bharat Abhiyan

Students of the NSS Squad contributed to creating space for parking by raising the entire carrot grass and other unnecessary tissues and trees in two-wheeler parking space, which was arranged in the college premises. The rickshaw camp in front of the college was cleaned and waste disposal of the premises. All the volunteers of NSS unit spread across the institute and neighborhood areas to clean up all the garbage, plastic wrappers, bottle etc.

