



**S. S. P. Mandal's
Bhagwan Mahavidyalaya
(Arts, Commerce and Science) Ashti
Tal- Ashti, Dist- Beed, 414203, Maharashtra**



CRITERION-VII: INSTITUTIONAL VALUES AND BEST PRACTICES

7.1.2 *Water conservation through bunds and tanks Water distribution system , Rain water harvesting with Geo Tagged photos.*

7.1.2 Water conservation through bunds and tanks Water distribution system , Rain water harvesting with geo tagged photos.

For water conservation, the college has taken various measures, in which the rain water in the main building area has been blocked by building a stone wall in the building area. Below this wall, there is a college playground which is generally 12 feet deep. On this playground, there is a main bore well that supplies water to the college. A pit 15 feet wide and 10 feet deep has been dug. In this pit, the rain water collected in the college area percolates into a pit dug five feet deep on the playground. The water from this channel flows into the gravel dug for water recharge. At the same time, water from the roof of the girls' hostel building, library building and indoor hall has been released through rain water harvesting in the same pit. This has helped to recharge the main bore well. This bore well has become a boon for the college, hostel and the trees in the college premises.

Along with this, the water coming through the water supply pipeline under the nagar panchayat is collected in a tank with a capacity of about 50 thousand liters. This water fed to the trees in the college through drip irrigation. RO (Reverse Osmosis) units have been installed in the college. An RO water unit in a college is crucial for several reasons: **Safe Drinking Water:** Ensures students and staff have access to clean, potable water by removing contaminants and impurities, **Health Benefits:** Reduces the risk of waterborne diseases and health issues associated with poor water quality, **Cost-Effective:** Reduces the need for bottled water, saving costs in the long run and promoting environmental sustainability, **Educational Value:** Serves as a practical example of advanced water treatment technology, providing students with real-world insights into environmental science and engineering. **Enhanced Facility Image:** Demonstrates a commitment to health and environmental responsibility, improving the institution's reputation..Also, to reuse the water coming out of the RO (Reverse Osmosis) installed in the college. The water coming out of the RO (Reverse Osmosis) is stored in a tank and fed to the trees in the college premises through drip irrigation with the help of an electric motor. In this way, an attempt has been made to conserve water by reusing rainwater and water coming out of RO.



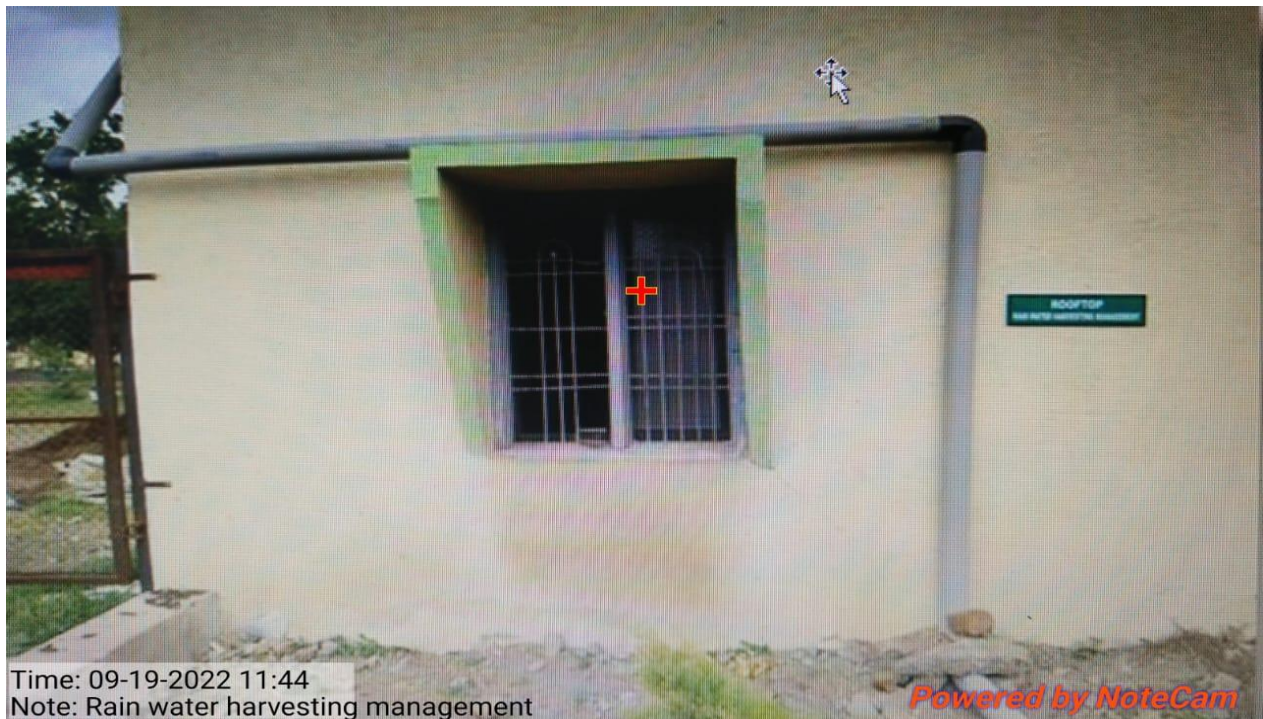
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Rain Water Harvesting Management



Water is collected in a tank of 50 thousand liters capacity from the pipeline under Ashti Nagar Panchayat and that water is given to the trees and flowers of the college through drip irrigation.



Gardens and botanical gardens in the college premises are watered through drip irrigation.





Garden, botanical gardens and trees in the college premises are watered through drip irrigation.



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