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Shri Shivaji ShikshanPrasarak Mandal Barshi's
Karmaveer Mamasaheb Jagdale Mahavidyalaya, Washi
Tal- Washi, Dist- Dharashiv (MS)

REPORT ON WATER CONSERVATION

RAIN WATER HARVESTING

Geology of the area:

The basaltic lava flow belonging to the Deccan trap is the only major geological formation occurring in the region. Deccan basaltic flows mainly compact amygdaloidal basalt flows occurs mainly in college campus and the upper layer consists of vesicular and amygdaloidal Zeolitic basalt while the bottom layer consists of massive basalt. The lava flows are individually different in their ability to receive as well as hold water in storage and to transmit it. The difference in the productivity of groundwater in various flows arises as a result of their inherent physical properties such as porosity, permeability & transmittivity. The groundwater occurs under water table condition and is mainly controlled by the extent of its secondary porosity i.e. thickness of weathered rock and spacing of joint and fractures. The area in which institute is situated suffers from drought conditions frequently. As this region comes under shadow zone, it faces the problems of low rainfall. The average rainfall is only 700 mm. The frequent conditions of scarcity of water compels for best management of available water. As a result, Rain Water Harvesting unit is established in the college. The Rainwater Harvesting & Water Management program in College Campus is one of the ideal projects of Rainwater Harvesting in this region.

a. Rain Water Harvesting: The part of rainwater from the roofs is harvested by accumulating it and finally collected through a single pipeline directly in the tanks. Some part of water collected and directly used for the gardening purpose. The rainwater is principally pure water without any dissolved impurities, so it is considered as distilled water and used for some laboratory

perpetrations. The quality of such rainwater is controlled by diverting initial showering of the rainy seasons to the garden area, and latter showering is collected for laboratory use. Plumbing maintenance is done on a regular basis to prevent the wastage of water.

b. Borewell/Open well Recherge: Therefore, rooftop rain water harvesting system is installed for recharging ground water and meeting water requirements. The runoff from the terrace of the college building is channelized into for recharging bore wells. All the rooftop rain water outlets discharge, facilitate groundwater recharge. Layer of bricks filled inside the recharge well ensures proper filtration of harvested water.

c. Construction of tanks and bunds: In the college campus, there are 3 tanks of total 30-thousand-liter capacity. They are located in different places for storage of rainwater. The college has its own water well of approximate capacity of 10 lac litre. The selection of different areas for tanks is for widening the catchment area for maximum rainwater collection.

d. Maintenance of water bodies and distribution system in the camous: For the purpose of distribution of available water we formed water distribution committee. Through this committee water is channelized towards bore wells to raise the ground water level, for trees, medicinal plants and lawns are maintained with water drips to avoid wastage of water. Careful use of water has ensured constant supply of water for the stakeholders in the college.

We organize the different programs on Water Harvesting for staff, students and society in order to create awareness about water conservation and rain water harvesting. Our students visited different areas of Washi city for spreading the message 'Use Water with Care and Avoid Wastage'. So that water reserves available last till the onset of next rain. They instigate the citizens for groundwater recharge system near their bore wells. College students and staff actively participated in social work camp for Water Conservation organized by Pani Foundation.

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Water Distribution Committee

1) Principal K M J M Washi	-Chairman
2) Shri Choudhari V.G.	-Member
3) Shri Doke S.S.	-Member
4) Shri Kawade J.G	-Member
5)Dr. Kakade S. S	-Member

IQAC CO-ORDINATOR

PRINCIPAL

PRINCIPAL
KMAVEER MAMASAHEB JAGD
MAHAVIDYALAYA WASH