

National Water Mission - *Jal Shakthi Abhiyan*

Action taken report by

MANONMANIAM SUNDARANAR UNIVERSITY

Tirunelveli, Tamil Nadu



With reference to the file No: D.O.No.M.65022/09/2020-NWM for National Water Mission under “Catch the Rain, where it falls, when it falls”, Jal Shakthi Abhiyan is aimed towards ensuring a water-secure future for the country. Manonmaniam Sundaranar University focused number of aspects of water conservation in the campus. The university has a water pond with large capacity to hold rainwater of 75m breadth, 15 feet height and 75m length dimension. Rainwater harvesting system is implemented throughout the campus to sustain the ground water level because the campus has large built-up area to conserve and harvest the rainwater. As one of the activities, the roof of the building is used as the catchment area for rainwater harvesting. At Women’s Hostel, collection of used water from bathroom and washing area is being done and recycled in a step-by-step process. This recycled water also serves as a source of water for gardening and drip irrigation. This initiative is likely to help recharge the ground water and help preserve the water table in the area. In staff quarters, the rain and used water through the pipes directly serves as water for the plants. In view of the “Jal Shakthi Abhiyan”, the Manonmaniam Sundaranar University has initiated the following plan/methods to conserve the water and its sources with utmost care.

- ✓ Rainwater harvesting pits and Rooftop arrangements,
- ✓ Construction of Check dams and Pond
 - In the campus, water overflow during rainy season – YouTube Video link
<https://youtu.be/lxqO8QrKZbs>
https://youtu.be/zmn_7TM9mDE
 - The excess water from the check dams will be collected in a Pond - YouTube Video link.
<https://youtu.be/tHx7yFwU4Hs>

- ✓ Removal of encroachments on catchment areas
- ✓ Removal of obstruction in channels
- ✓ Reuse of Treated Wastewater
- ✓ Rejuvenation of Water Bodies
- ✓ Reuse of water and recharging of structures
- ✓ Plantation
 - Drip irrigation in the campus was installed to promote efficient water use for irrigation by shifting to micro irrigation systems for water intensive crops.
- ✓ Green campus with animals

Here we attached photos related to every activity.

1. Removal of Seemai Karuvelam (Prosopis Juliflora):



2. Renovating Channels, Check dam and Pond

a. Channels Before



b. Channels after



c. Pond before



d. Pond after



e. Check Dam before



f. Check Dam after



3. Rainwater Harvesting Pits



4. Usage of Bathroom wastewater in Quarters



5. Usage of Kitchen water in Quarters



6. Harvesting water from Air Conditioner outlet for crops



7. Sewage Treatment Plant in Women's Hostel.



8. Wells in the University Campus



9. Tamil Nadu State Flower - Senkanthal Malar blossoms in the University Campus. The flower is used for many traditional medicines



10. Green Campus with Animals (Deer and Peacock)



