



NETAJI SUBHAS UNIVERSITY

JAMSHEDPUR

(A Unit of Sitwanto Devi Mahila Kalyan Sansthan)

Estd. Under Jharkhand State Private University Act, 2018

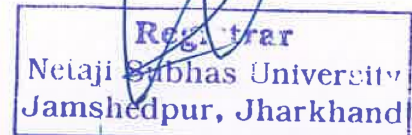
Rain Water Harvesting

Netaji Subhas University has undertaken a significant initiative to implement rainwater harvesting (RWH) across its campus. This initiative aims to optimize water usage, reduce dependence on external water sources, and contribute to environmental sustainability. By capturing and utilizing rainwater for non-potable purposes and replenishing the local groundwater table, the university demonstrates a strong commitment to the principles of water conservation, sustainable resource management, and environmental stewardship.

For Netaji Subhas University (NSU), Jamshedpur, this criterion is addressed through their broader "Green Campus and Environment Policy." Based on the university's official reports and Green Audit documents, here is how NSU fulfills the Rainwater Harvesting requirements

1. The Core Objective at NSU

Netaji Subhas University has explicitly integrated rainwater harvesting into its environmental policy with the primary goal of replenishing the groundwater table. The university recognizes the importance of water sustainability in the region and has committed to "Green Campus Initiatives" to minimize water wastage and maximize recharge.





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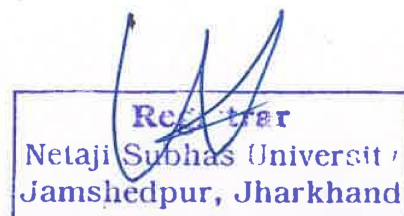
2. Implementation of Rainwater Harvesting (RWH)

NSU has implemented the following measures:

Rooftop Rainwater Collection: The University utilizes the large surface area of its academic and administrative building roofs to collect rainwater. Instead of allowing this water to run off into drains and be wasted, it is channelled effectively.

Groundwater Recharge: The collected water is directed into the ground to recharge the aquifers. The university's policy document states: "*Netaji Subhas University has committed itself to the effort to replenish the groundwater table by practicing rainwater harvesting.*" This helps maintain the water level in the campus bore wells, ensuring a sustainable water supply even during dry months.

Infrastructure: The campus includes specific pits or recharge structures designed to filter and percolation rain water back into the soil, rather than letting it cause water logging or flow out of the campus premises.

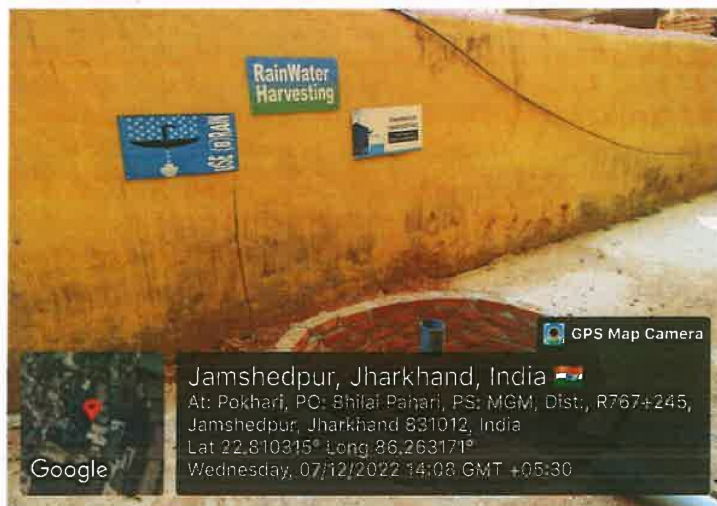




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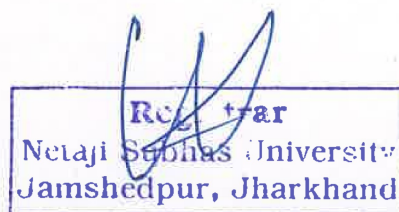
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Rain Water Harvesting-1



Rain Water Harvesting-2



NSU (CAMPUS): Pokhari, Bhilai Pahari, PS: MGM, Dist: East Singhbhum, Jamshedpur - 831012

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Registrar
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Jamshedpur, Jharkhand

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Borewell / Open Well Recharge

University has taken various steps for water conservation within the campus. One of them is installation of borewell and open well recharge. Details of the borewell and open well recharge is given below.

1. Borewell / Open Well Recharge

Objective: To reverse groundwater depletion caused by extraction for campus needs.

Netaji Subhas University (NSU), Jamshedpur, situated in the Chota Nagpur Plateau region where groundwater levels can fluctuate significantly, has prioritized **Borewell and Open Well Recharge** as a critical component of its institutional "Green Campus Policy." Understanding that groundwater extraction must be balanced with replenishment, the university has integrated scientific recharge mechanisms to ensure water sustainability.

The system functions by capturing the substantial volume of rainwater runoff from the expansive rooftops of the Academic Blocks and Hostels. Instead of flowing into drains, this water is channelled through a dedicated pipe network into specific **recharge pits** and **percolation tanks** located adjacent to the active borewells.

