



NETAJI SUBHAS UNIVERSITY

JAMSHEDPUR

(A Unit of Sitwanto Devi Mahila Kalyan Sansthan)

Estd. Under Jharkhand State Private University Act, 2018

Borewell / Open Well Recharge

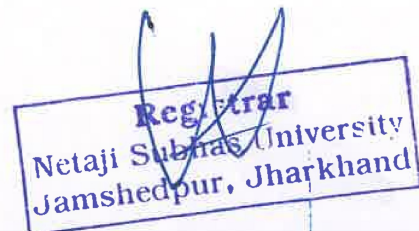
University has taken various steps for water conservation within the campus. One of them is installation of borewell and open well recharge. Details of the borewell and open well recharge is given below.

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.





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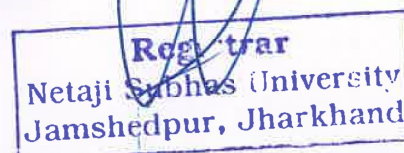
At Netaji Subhas University, the primary source of water is groundwater extracted through borewells.

To ensure sustainable yield and prevent the water table from plummeting, the university has integrated **Artificial Recharge** techniques.

- **Mechanism:** The campus utilizes the rooftop rainwater harvesting network to channel filtered rainwater directly into the ground near existing borewells.
- **Impact:** This acts as a direct feeder to the aquifers, ensuring that the borewells remain functional even during the peak summer months of Jamshedpur.
- **Policy Alignment:** This directly fulfills the university's mandate (as per the *Green Campus Policy*) to "replenish the groundwater table" rather than just consuming it.



Borewell- 1 (Shaheed Raj Guru Block)





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Borewell / open well recharge



Borewell- 1 (Shaheed Raj Guru Block)



Borewell-2 (Chandra Shekhar Azad Block)

Registrar
Netaji Subhas University
Jamshedpur, Jharkhand



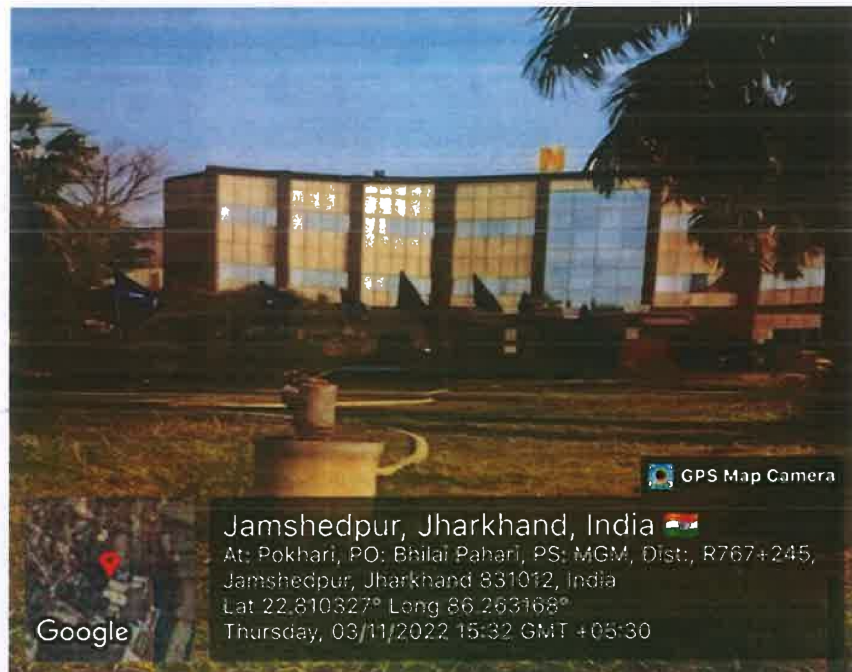
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Borewell-3 (Bal Gangadhar Tilak Block)



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NSU (CAMPUS): Pokhari, Bhilai Pahari, PS: MGM, Dist: East Singhbhum, Jamshedpur - 831012
NSU (CITY OFFICE): 4th Floor, Shatabdi Tower, Sakchi, Jamshedpur - 831001

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Borewell-2 (Chandra Shekhar Azad Block)



Borewell-3 (Bal Gangadhar Tilak Block)





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Borewell-4 (Shaheed Bhagat Singh Block)



Borewell-5 (Veer Savarkar Block)



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