



SUSTAINABLE URBAN WATER SOLUTIONS: REPLENISHING THE RAVI BASIN

The River Ravi, once a vital water source, now suffers from severe pollution and over-extraction, contributing to groundwater depletion in surrounding regions. This project advances corporate water stewardship by promoting water conservation and resilience through wastewater reuse, groundwater recharge, and improved efficiency in the Ravi basin areas of Lahore, Gujranwala, and Faisalabad. Inclusive community engagement ensures solutions are sustainable, locally owned, and socially responsive.

Funding Period: April 2025 – August 2027
Expected Annual Replenishment Capacity: 503,000 m³

 Project Area: Lahore, Gujranwala and Faisalabad

- PROJECT VISION -

To build a water-secure future for the Ravi Basin through scalable, community-empowered, and climate-resilient water management interventions that promote equitable participation and long-term sustainability.

- KEY INTERVENTIONS -



Community and Stakeholder Mobilization



Artificial Groundwater Recharge Wells



Watercourse Lining



Laser Land Leveling



Ablution Water Reuse Systems



Floating Treatment Wetlands



Capacity Building and Awareness Campaigns

- BENEFICIARIES -

DIRECT BENEFICIARIES
~50,000 Individuals

INDIRECT BENEFICIARIES
~100,000 Individuals

- EXPECTED OUTCOMES -

Following successful implementation, the project aims to achieve the following outcomes:

- Recharge 48,000 m³/year of rainwater into aquifers through urban recharge systems.
- Conserve 355,000 m³/year of water through the adoption of water-efficient agricultural practices.
- Treat 100,000 m³/year of wastewater, reducing pressure on freshwater sources.
- Training of community members and youth on sustainable water use, conservation, and hygiene practices.
- Establish institutional partnerships to support long-term sustainability.
- Engage schools, colleges, and faith-based institutions in WASH and water stewardship initiatives and develop educational materials.
- Strengthen local ownership and inclusive participation in water resource management.

- STRATEGIC ALIGNMENT AND IMPACT CONTRIBUTION -

- Advancing Corporate Water Stewardship
 - Enhancing Gender Inclusive Engagement
 - Supporting Freshwater Challenges
- Contribution to National Water Policy & Global Sustainability Goals including:



- CORE COMMUNITY AND INSTITUTIONAL PARTNERS -



Educational and
Research Institutes



Farmer and
Rural Communities



Non-Governmental
Organisations



Local
Authorities



Volunteer
Groups



Religious
Institutions



Environmental
Regulatory Bodies

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