

Wari Foundation - Rotary Club of Thana West

Project Completion Report FY 2023-24



रोटरी क्लब ऑफ ठाणा वेस्ट

डिस्ट्रीक्ट नंबर - 3142/2024-25

सौजन्य-Flagship Biotech International Pvt Ltd.

धरणातील गाळ काढणे व नाला खोलीकरण

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मिशन ५०० कोटी लिटर जलसाठी पाच पाटील टीम चाळीसगाव.



Executive Summary

The Wari Foundation, in collaboration with the Rotary Club of Thana West, has successfully completed a water conservation and sustainable resource management project in Belkheda and Raghunathpurwadi villages, located in Vijapur and Kannad talukas of Aurangabad District, Maharashtra. The intervention focused on addressing critical water scarcity and supporting agricultural livelihoods through large-scale land and water conservation activities.

A fleet of two heavy-duty machines (Pokland and JCB) was strategically deployed to execute deep excavation, desilting, and watershed development tasks, operating for a cumulative 582 work hours. The initiative directly empowered 70 farmers by improving irrigation water availability, reducing dependence on erratic rainfall, and enhancing crop yields. Additionally, around 350 community members actively participated, reflecting strong community ownership.

The cost of diesel to run the machinery was ₹7,64,600, which was covered through contributions from donors and farmers, demonstrating efficient financial planning and optimal utilization of resources.

As a tangible outcome, an estimated 3.77 crore litres of additional water storage capacity was created by reviving and enhancing approximately 40 wells and borewells, now serving as reliable water sources for agriculture and domestic needs. The project has positively impacted neighbouring hamlets and downstream villages, fostering improved water security, resilience to climate variability, and agricultural productivity across the region.

2. Beneficiary Overview

The project significantly impacted multiple stakeholders, especially rural farming communities facing water scarcity:

- **Direct Beneficiaries:** 70 families with improved access to water for drinking, irrigation, and livestock.
- **Indirect Beneficiaries:** 350 families across two villages, benefiting from enhanced water availability and agricultural productivity.
- **Local Farmers:** Increased water storage and rehabilitated borewells improved soil moisture and crop yields, ensuring economic stability.
- **Community at Large:** Raised awareness and fostered a culture of sustainable water management for long-term benefits.

3. Project Background and Objectives

3.1 Project Need and Context

The project aimed to address acute water shortages in drought-prone rural areas where declining groundwater levels and soil degradation had severely affected livelihoods. The Wari Foundation designed interventions focused on water storage, conservation, and soil rehabilitation.

3.2 Project Goals

- Improve water accessibility for families in targeted villages.
- Increase water storage capacity to mitigate drought impacts.
- Rehabilitate wells and borewells to strengthen water conservation.
- Enhance soil health through sustainable agricultural practices.

4. Project Implementation

4.1 Key Activities and Interventions

4.1.1 Water Storage Initiatives

- Construction of structures capable of storing 3.77 crore litres of water.
- Deepening of existing village ponds and reservoirs.
- Establishment of rainwater harvesting units to capture monsoon runoff.

4.1.2 Borewell Rehabilitation and Groundwater Recharge

- Restoration of 40 defunct wells and borewells across two villages.
- Installation of recharge structures to replenish groundwater levels.
- Awareness campaigns promoting responsible water usage.

5. Community Participation and Stakeholder Engagement

Community participation was central, with farmers contributing around 60% of the project cost through financial support, labor, and local material supply, ensuring long-term ownership and sustainability. Regular meetings and training sessions strengthened the community's commitment to conservation efforts.

6. Project Impact and Outcomes

6.1 Beneficiaries

- Direct: 70 families with secure water access.
- Indirect: approx. 350 families benefiting from improved water availability.

6.2 Environmental and Agricultural Impact

- Creation of 3.77 crore litres of water storage.
- Rehabilitation of 40 wells and borewells.
- Increased soil fertility and higher crop yields, ensuring financial stability.

6.3 Long-term Sustainability

- Strong community ownership ensures maintenance of conservation structures.
- Ongoing training equips farmers with knowledge for sustaining practices.

7. Detailed Village-Wise Summary

Sr No	Village Name	Taluka	Machine	Work Hours	Farmers	Diesel (₹)	Amount Paid (₹)	Water Storage (Cr L)	Wells/Borewells	Indirect Beneficiaries
1	Raghunathpurwadi	Vaijapur	Pokland	162	45	1,61,800	3,23,600	2.31	25	240
2	Belkheda	Kannad	JCB	420	25	2,31,000	4,41,000	1.46	15	110

8. Challenges and Lessons Learned

8.1 Challenges

- Unpredictable Weather: Rainfall fluctuations affected water storage and scheduling.

8.2 Key Learnings

- Community Involvement is Crucial: Participation enhanced ownership and project efficiency.
- Adaptive Planning: Modifying plans based on weather improved outcomes.
- Continuous Monitoring: Regular assessments ensured effective implementation.

9. Future Plans and Way Forward

Building on this success, Wari Foundation plans to:

- Introduce advanced water conservation and rainwater harvesting technologies.
- Strengthen farmer training on sustainable agriculture.
- Expand partnerships for greater outreach and scale.

10. Conclusion

The Rotary Club of Thana West Project, in partnership with the Wari Foundation, has created a transformative impact on water conservation and rural well-being. The unwavering support of donors and active participation of farmers have been key to this success.

As we prepare for the next phase, we seek continued support to sustain and expand these interventions, ensuring a water-secure future for rural farming communities.

Attachments

- ✓ Snapshots: Before, during, and after project implementation.
- ✓ Media Coverage: Local and regional features.
- ✓ Village-wise Project Gallery:
 - Belkheda
 - Raghunathpurwadi

- Belkheda



- Raghunathpurwadi

