



PROJECT REPORT

PURE WATER 2023

BANGLADESH SCENARIO

The Struggle for Access to Uncontaminated Drinking Water

In Bangladesh, the issue of drinking water scarcity is a pressing concern affecting many communities. According to the WHO–Unicef Joint Monitoring Programme (JMP) report, **68.3** million people in Bangladesh (**41 percent** of the population) don't have access to safely managed drinking water. Only **159** municipalities out of **328** across the country have piped water supply systems. A significant percentage of the population faces challenges in accessing clean and safe drinking water. Projects for Humanity(P4H) has taken a proactive approach to address this crisis. Our initiative aims to provide these communities with access to safe water, taking a step toward a healthier and more sustainable future

Our comprehensive project aims to combat scarcity by establishing Pure Water Wells across different regions across the country. These wells will provide a reliable source of clean water for communities facing water shortages. Additionally, the project includes the implementation of treatment plants specifically designed to purify saline water, offering a sustainable solution to the unique challenges posed by the local water sources of Shyamnagar, an upazila located in the Southern part of Bangladesh.

By leveraging advanced technologies and strategic planning, P4H strives to make a tangible impact on the lives of those affected by water scarcity in Bangladesh. The Pure Water Well project embodies our commitment to ensuring access to safe drinking water for all, contributing to improved health and well-being throughout the region.

Bangladesh scored **26.90** out of **100** in the *2022 Environmental Performance Index (EPI)*, meaning the local tap water is one of the **most dangerous** in the world.





WHAT WE DID

In our Pure Water Project, we took significant steps to provide clean water to various regions in the country. We established water wells in different areas, ensuring access to safe and reliable water sources for local communities. Additionally, in this year, we set up a solar-powered Saline Water treatment plant at Nildumur at Shyamnagar upazila of Satkhira district to resolve the crisis of saline water in that region. Through these initiatives, we aimed to make a positive impact on people's lives by promoting access to pure and sustainable water resources.

WHY WE DID

The coastal area of Bangladesh is one of the poorest regions in the country. Over 35 million people endure a daily struggle for clean water. Higher infant mortality rates and prevalent waterborne diseases" then show some patients. Nestled against the Bay of Bengal, the coastal region of Bangladesh grapples with extreme water salinity, resulting in higher infant mortality rates and the relentless grip of waterborne diseases For people in these communities, it's a daily struggle to travel long distances in search of clean water. They have no option without drinking uncleaned water. We believe that every person deserves access to clean, safe water. And this what drove us to come up with this **pure water project** in order to provide clean water to the people and keep them free from these diseases, we have established various facilities in different areas and made them suitable for use.

SOLAR OPERATED REVERSE OSMOSIS WATER TREATMENT PLANT

We have established a **Solar Operated Water Treatment Plant (SOWTP)** at Nildumur in Shyamnagar, Satkhira. We are harnessing renewable solar energy to tackle the water crisis in this locality. Running by state-of-the-art Reverse Osmosis (RO) technology, this plant will provide safe and potable drinking water for the local community with no adverse environmental impacts.



Clean Drinking Water



Solar Powered



Awareness



Reduced Health Risk



Employment



BENEFITS



5000 liters of water/day.



200 families (1000+ individuals) will be benefited daily.



3.6 million people will be served over a period of 10 years, by 18 million+ liters of water.



HAND PUMP WATER WELLS

In **2023**, We have successfully implemented the establishment of **30** water wells all across Bangladesh, specifically aimed at serving deprived communities. Our endeavors involved constructing sustainable ground platforms and strategically placing water wells in locations accessible to the community. Before making the water accessible to everyone, we conducted thorough checks to ensure its cleanliness, salinity, sterility, and absence of arsenic contamination. Our objective was to provide safe drinking water to underprivileged individuals, thereby enabling them to safeguard their health and mitigate the risks of waterborne diseases and arsenic contamination.



**QUENCHING THIRST:
PURE DRINKING WATER IS NOW AT THEIR REACH**



AT A GLANCE: PURE WATER PROJECT



"Wellness in Every Drop: Pure Water, Easy Life." Safe Water is now Just Steps Away!



"Pouring smiles: Elders embrace hassle-free clean water access."



Transforming nature's gift into a lifeline. The evolution of water treatment plant, where every frame tells a tale of progress, purification, and a sustainable future in the making.

APPRECIATIONS



We used to collect water from the pond. There was no tube well in our village. The pond water was not clean and hygienic. We had to suffer from different diseases, especially our children suffered the worst.

Thanks to the incredible contribution of P4H, our lives have taken a refreshing turn with the installation of a hand-pump water well. Now we have the facility of tasting the pure essence of life, right within walking distance! This tubewell is not just a water source; it's a lifeline, a testament to the transformative power of compassion.

Aslamuddin
Pure Water Beneficiary



This water treatment plant is a blessing for us. We are no longer worried about the supply of fresh and clean drinking water. It has become easier to collect pure water as we don't have to go a long distance.

Our children are also enjoying the benefits of this healthy water. They can continue their schools without any health issues due to waterborne diseases.

We pray for those who extended their hand in kindness and provided us with this precious gift.

Ms. Jamila
Pure Water Beneficiary



FINANCIALS

FUND RAISED

≈ \$ 71,130

EXPENSES

≈ \$ 39,000

THANK YOU

for your support in Implementing Pure Water Initiatives for the Underprivileged Communities!



You have helped to establish a **Solar-Powered Reverse Osmosis Water Treatment Plant** for most needed communities along with **30** hand pump water wells and to provide safe drinking water.



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