



INDIA

Bogaipadar Community

MOSS TECHNOLOGY

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BOGAIPADAR COMMUNITY

ODISHA, KORAPUT, INDIA

LATITUDE: 18.844983, LONGITUDE: 82.642366

ABOUT THE COMMUNITY

When the Bogaipadar community's well ran dry, the 250 residents despaired. They knew that water access would become more toilsome and unsafe. Women were the primary water collectors in the community. They began to walk long distances to find water. Some people collected water from a stream located about a kilometer away from the community. The stream swelled during the monsoon season, making it dangerous to access. Yet during the summer months, it became unreliable as the water levels dwindled. Others walked to neighboring communities to collect water. Many were required to pay for the water they used, which made this unsustainable.

Aside from the scarcity of water, the community members were afflicted by the water's unsafe quality. They often suffered from water-related illnesses including typhoid, cholera, diarrhea, and dysentery. While harming their bodies, these illnesses also deprived them of time that they could be earning for their families as daily wage laborers.

The situation was bleak. The community members asked the municipal government for aid, and in response, workers came to drill a new well. They subsequently attempted to drill boreholes four times, but each one was dry. Eventually, the government told the community that the groundwater was depleted and that they could not help them. The community members knew there had to be another way. They did not want to pass this water crisis on to their children.



This government-issued well is no longer functional.



Community members work as daily wage laborers.

The pastor in the community spoke to some local evangelists about the water crisis. The evangelists shared what they knew about Living Water International's work in the region. Refusing to believe that a new well was a lost cause, the community pastor decided to make contact with Living Water. The Living Water India staff was glad to visit to ascertain what could be done to assist the community. They could see as soon as they arrived that the need was dire. They also witnessed the community members' willingness to mobilize to sustain a solution. The Living Water India staff therefore agreed to return to complete a safe water well. This



The Living Water India staff visits the community.

POPULATION	250
MAIN WATER COLLECTORS	women, children
LOCATION	rural

was only possible because of your generous gift, Moss Technology!

The staff returned to Bogaipadar with a drilling rig to begin work on the well. They drilled 106 meters into the earth to access an aquifer of safe water. The Living Water staff flushed the borehole to remove sedimentary rock debris, inserted a PVC pipe, and formed a gravel pack. To ensure the well's safety, they also installed a sanitary seal and treated the well with a shock chlorination. They tested the water's quality, and it proved to be safe for drinking. Living Water India installed a hand pump and poured a concrete base with a drainage channel, and then the well was complete! This project was a testament to the community that the Lord can accomplish what man says is impossible.



The drilling staff works on forming a borehole.

CONSTRUCTION DETAILS

ALTITUDE **862 m**

DEPTH DRILLED **106 m**

STATIC LEVEL **16 m**

CASING MATERIAL **PVC**

CASING DIAMETER **127 mm**

PUMP TYPE **HAND PUMP**

SANITARY SEAL DEPTH **3 m**

SHOCK CHLORINATION **YES**

PLATFORM MATERIAL **CONCRETE**

WATER QUALITY TESTS

TOTAL DISSOLVED SOLIDS **149 ppm**

PH **7**

HARDNESS **40 ppm**

COLIFORM BACTERIA **ABSENT**



The community rejoices that they have plenty of safe water.



These children enjoy safe water for the first time!



The community members know that safe water changes everything!

SUSTAINABILITY

The Living Water staff helped the residents consider long-term stewardship of their safe water well and to establish best practices. The community nominated the pastor of the community as the water caretaker. The community members learned to contribute a small monthly fee to the water caretaker in order to save a fund to cover the cost of future repairs made to wells. This helped them gain a sense of ownership and pride. They knew that they could sustain their safe water access if they worked together.

“For a very long time, we have been depending on the stream flowing by the hills, which is about one kilometer from the community houses. We knew the water was not good for drinking but had to use it just the same. We asked the local government for a new well, and they drilled four times, but each project failed. They finally told us that there was no more water in the ground. Some of us did not want to continue using the stream, so we walked to other communities to collect water. It took us many hours to do this chore. We did not have enough water at all. It is great to have safe drinking water in the community now. We will save time and money, and we are happy we can bathe.”

— *Sukari Khura, 45-year-old agricultural worker*



Sukari shares her point of view.

SANITATION & HYGIENE

The Living Water staff also led a sanitation and hygiene promotional activity for 63 community members. The community members learned how they could take initiative to improve their health through the proper use of their well and also prescriptive and preventative health measures. First the staff explained how to use the well properly and store water safely.

Next, the staff used visual aids to explain how germs are spread and diseases are transmitted. They taught the participants that they could prevent this through correct and regular handwashing. They led a demonstration and gave the participants a chance to practice washing their hands. The staff also made a connection to the gospel through the imagery of handwashing. In a lesson called "Clean Hands, Clean Heart," the community members learned the outer cleansing of their bodies is a metaphor for the way that the Lord redeems and purifies their hearts.

The final lesson the community members learned was discussion-oriented. The staff led them through a compare-and-contrast discussion of good versus bad hygiene behaviors. This helped them plan ahead for specific ways they can modify their behaviors to improve overall community well-being.



Community members gather for sanitation and hygiene lessons.



The lessons are made easy for children to understand through visual aids and interactive elements.

IN JESUS' NAME

At an evangelism session, Living Water India partnered with the local pastor to share the message of the gospel. They taught the community how the new water well serves as a representation of God's cleansing and sustaining *living water* offered through Christ. This concept comes from John 4:13-14 (NIV): "Everyone who drinks this water will be thirsty again, but whoever drinks the water I give them will never thirst. Indeed, the water I give them will become in them a spring of water welling up to eternal life." In this way, 60 people were presented with the message of the gospel and invited into a personal relationship with Jesus Christ.



The Living Water staff lead an evangelism session.

YOUR IMPACT

Moss Technology, by giving the community of Bogaipadar the gift of safe water, you restored health and hope. The women in the community no longer have to suffer long walks in search of water or the strain of carrying it all the way home. With abundant safe water located just outside their homes, they now have more time and energy for the things that truly matter to them. The residents no longer live in fear of their water running out or making them ill. They are confident of their new-found ability to steward their water supply.

By giving this gift of safe water, you have also demonstrated the Lord's desire to provide for both our spiritual and physical needs. Your generosity partners with the attitude of Christ, reflected in John 10:10 (NIV): “ I have come that they may have life, and have it to the full.”

Thank you for giving water, for life, in Jesus's name.