



# INDIA

*Umarkhadi School Street*

*Latitude: 21 28.704 N, Longitude: 073 23.547 E*





# **BERNSTEIN GWM HOUSTON**

# WATER

## Community Details

Hindered by a lack of an adequate safe water supply, the people of Umarkhadi School Street, a community of 350 families, struggled with disease. Typhoid and malaria were common issues faced by men, women and children. Without proper training in hygiene and sanitation, the people practiced open defecation, not realizing this practice added to their burden of disease. Wanting a new way of life with safe drinking water, the community leaders contacted Living Water International by phone to request a new borehole, and Living Water responded.

The Living Water India team successfully drilled a 100-meter-deep borehole and installed a new India Mark II hand pump for the people. In addition, they gave the community life-saving lessons on hygiene and sanitation to help end dangerous practices, such as open defecation. The local church, already a strong Christian presence in the community, helped spread the name of Christ during the well installation. The Scriptures were read to the people, and now both the Protestants and the Hindus have access to physical water to bring life to their bodies and spiritual water to bring life to their souls!

## Project Details

Product	New
Location of water point	Umarkhadi School Street, Gujarat, Surat, India
Type of Institution Served	Village
GPS Coordinates	Latitude: 21 28.704 N    Longitude: 073 23.547 E

## Construction

Altitude	162 m
Total depth drilled	100 m
Static level	15 m
Total depth of casing	6 m

External Diameter of casing	150 mm
Casing material	PVC
Screen	Start: 0m Stop: 0 m
Pump Type	India Mark II
Depth of cylinder	30 m
Gravel Pack	Yes
Gravel Pack Depth	1
Well yield	23 Liters/minute
Sanitary seal depth from surface	2 m
Shock Chlorination	Yes

### Evangelism

Number of people in attendance	Number Of Men: 6 Number Of Women: 15 Number Children: 6
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### Well Platform

Dimension of Platform (H*W*L)	.3*1.2*1.2
Drainage Channel or soak pit installed	Yes

### Water Quality Results

Water Purity Test	LWI Test Kit
Total Dissolved Solids (as per T.D.S meter) :	475
pH:	6.5
Total Hardness:	180 Ppm
Nitrate/Nitrites:	0 Ppm
Bacteria Test	Coliform Bacteria NOT detected ( Colorless or Light Yellow color)

## FOR LIFE

### *Hygiene Promotion*

With diseases such as typhoid and malaria present, the people of Umarkhadi School Street suffered greatly from a lack of knowledge regarding hygiene and sanitation. Although safe water is essential to eliminating disease and developing communities, safe hygiene and sanitation practices are equally as essential. Because of a lack of training regarding disease and disease transmission, the community practiced open defecation, which perpetuated the burden of disease. To alleviate the disease burden, the Living Water team provided hygiene and sanitation training to the community. The lessons included: disease transmission, germs, healthy and unhealthy communities, latrine perception, good and bad hygiene behaviors, clean hands and clean hearts, proper care of the pump and keeping the water clean. With these community-specific lessons, the people were able to gain insight into how to keep themselves, their families and their community safe from disease. All of these lessons are taught in a participatory method, using the Living Water International Traditional Method, to help community members discover ways to improve their hygiene and sanitation choices and implement community-driven solutions.

### *Community Member Interview*

“There are water supply facilities by Gram Panchayat, but not in all of the streets – only selected streets is there a water supply,” explained 25-year-old community member and housewife, Laabha. “Most of the streets are dry, no water there. People use the water from the government bore wells, but in the bore wells there is no water. In some bore wells the water is deep, but after 100 to 150 pumps, a little water comes out. In the summer time, dirty water comes out. Now the time is summer, and people are facing so many difficulties for drinking water. Now, with the LWI bore well, we feel so happy. We thank the LWI team and we pray our blessings on them.”

## IN JESUS' NAME

### *Christian Witness*

“All the villagers are laborers and initially there was no one who was a Christian,” reported the local field staff. “But after the pastor interacted with the villagers, they became friendly with the pastor and, after looking at the pastor’s goodness and kindness, the people slowly came into faith. Now, there are 25 families that attend the local church.” Because of this great witness, the local church was intricately involved in the gospel proclamation at the well site. By using the Empowerment Model, the church was placed in the forefront of the community during the well drilling project. By allowing the local church to be seen as the providers of the well, the church has an unprecedented opportunity to reach the local people for Christ. The local church helped with the well dedication ceremony where Christ was proclaimed through Scripture reading to 27 local people. With the local church actively involved, and the work of another mission organization called the IEHC, the people of Umarkhadi School Street have a regular opportunity to hear about the life-giving love of Jesus Christ!



## PHOTOS



The previous water source that did not provide sufficient water for the community's needs.



The Living Water team drills a new borehole beside the local church.



A close-up of the plaque that shows the international impact of Christ-like love!



The new India Mark II hand pump is surrounded by a new concrete platform to help keep the borehole protected and mosquitos at a minimum.





The women of the village try the new life-changing hand pump!



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The man pictured above is a member of the new local Water Committee, which is responsible to ensure the pump is properly cared for and maintained.



The community gathers to hear the gospel shared at the well dedication ceremony. Many locals heard the gospel for the first time!