GLOBAL HUMANITARIAN MISSION

PROJECT PROPOSAL

A Water Well

For

HONDURAS

Overview

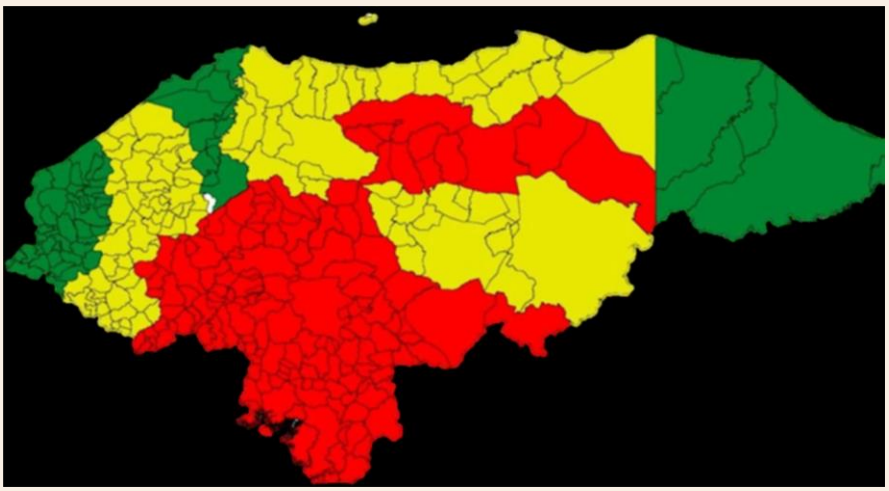
Honduras is the second poorest country in Latin America, and one of the poorest in the world. It has a population of nearly 10 million people.

Located in Central America, Honduras has a poverty rate of over 66 percent, resulting from wealth distribution and low income. The majority of those experiencing poverty live in the rural areas, while those living in the urban areas exhibit a lower percentage of poverty. Unfortunately, the average citizen of Honduras lives a poor quality of life.

The main economic industries in the country are agriculture and mining; yet poverty is the root cause of food insecurity in Honduras, and the rural areas are the most affected by limited food supply.

Honduras lies in what is called the 'Dry Corridor', an area in Central America that is particularly susceptible to irregular and long-lasting droughts, which prevent the growth of steady crops. Hunger in Honduras is an ongoing problem. Around 58 percent of children living in the *Dry Corridor* are undernourished and have stunted growth as a result.

Compounding all this is the El Niño phenomenon, which is drying up the water sources that supply communities, municipalities, and departments across the country. As a result, Honduras is experiencing one of the largest humanitarian crises in its history. Authorities have issued a red alert in 140 municipalities of the country, due to the meteorological drought associated with El Niño that is also the reason for deficiencies in basic grain crops and livestock.



Types of drought alerts in Honduras

140 Municipalities ***101 Municipalities*** ***54 Municipalities***

Project Snapshot

Global Humanitarian Mission is establishing this project to help ease the plight of impoverished families in rural villages throughout Honduras by providing them with sustainable and safe access to clean water.

The lack of access to clean water is a significant problem for the poor in Honduras. These communities often rely on surface water sources such as rivers and streams, which are likely contaminated and unreliable. This is mainly due to the fact that many of these communities have outdated drinking water distribution systems. Most communities have self-made gravity-based water distribution systems, which means they bring water to their homes from distant sources in the mountains. Other communities that are further away from the country's main cities have never had a water distribution system.

Constructing a water well in one of these communities is an effective solution to increasing the health and wellbeing of impoverished families, with access to clean water. The well is drilled into the ground to reach underground water layers, which provides a cleaner and more consistent water source.

The project will entail:

- Building a new water well, including
  - Installation of a water pump
  - Water quality analysis
  - Testing
  - Filters to dispense drinkable water
- Establishing a community water management system that promotes active resident participation.
- Training residents in the operation and maintenance of the water well to ensure proper and extended use.
- WASH Training
- Training and promoting awareness of the importance of water conservation, water storage, water treatment, and prevention of contamination.
- Collaborating with local organizations, government authorities, and other stakeholders to maximize the impact of the project and ensure long-term sustainability.

The Well

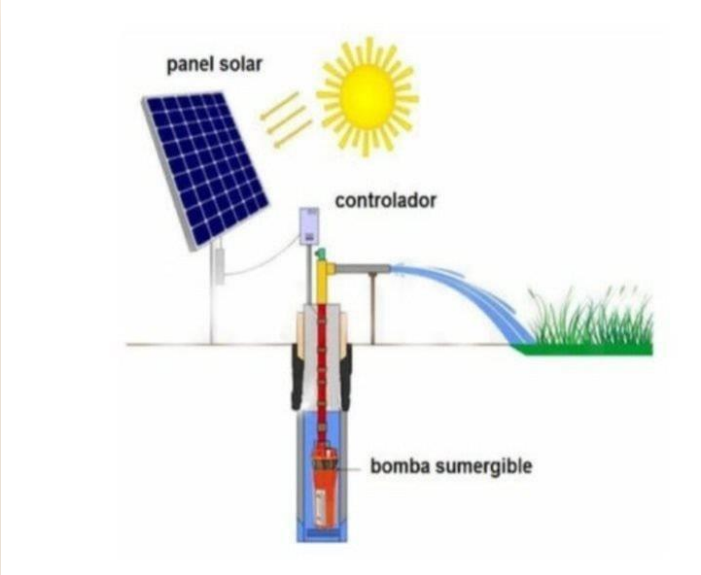
Several factors are taken into consideration prior to constructing the well, such as location, well depth, soil type, and access to appropriate equipment and materials. It is also important to consider the long-term sustainability of the well and ensure that the community has the knowledge and resources to maintain and repair the well, if necessary.

The following well has been identified as the most practical and cost-effective.

Drilling and construction of a water well with a 22HP diesel motor deep rock drilling rig
(capable of drilling up to 100 ft. depth and up to 4" diameter)

Includes:

- Cleaning and development of the well with 4" PVC SDR26 pipe, natural gravel filter
- **Solar submersible pump, ½ HP (capable of providing 12 gallons of water/minute or 17,280 gallons daily).**
- 1 Controller
- 3 330W solar panels
- 16-gallon tank
- 70ft. 3x14 submersible cable, accessories, installation
- Wooden shed for equipment protection, with steel plate
- (4) 2"x5' wooden blocks
- Water filter
- Water purification tablets
- Laboratory water analysis
- Technical training
- WASH training
- No monthly fee, since solar pumps do not require energy.



A well like this benefits 250 households/1,250 individuals

TOTAL COST: $10,913.98

From
Global Humanitarian Mission

Families across Honduras find it difficult to meet their basic survival needs, such as food and clean drinking water. Lack of access to clean water creates a breeding ground for waterborne diseases, such as diarrhea, typhoid fever, and cholera.

You can make a difference in the lives of families with a well such as this.

Your gift will literally be the difference between life and death for 1,250 people!

"Come, all you who are thirsty, come to the waters. Isaiah 55:1

Global Humanitarian Mission, a 501(c)(3) organization, is comprised of a compassionate and committed team with over thirty years' experience working in international relief and development around the globe. Global Humanitarian Mission honors the intent of our donors. All proceeds are restricted for the specific project for which they are raised. If more funds are received than are required for a specific project, the additional funds will be used to meet the most urgent need.