

GLOBAL GRANTS PROJECT FIAR

# ROTARY MIRAFLORES PIURA

PROJECT: IMPLEMENTATION OF REVERSE OSMOSIS WATER  
TREATMENT PLANT.

EL CARMEN. TAMBOGRANDE. PIURA. PERU



## PROJECT: IMPLEMENTATION OF REVERSE OSMOSIS WATER TREATMENT PLANT. EL CARMEN. TAMBOGRANDE. PIURA. PERU

### GENERAL INFORMATION:

- Location: El Carmen, a rural community in the arid desert area of Tambogrande district, Piura Region, Peru, approximately 50 km from Piura city.
- Population: 1,600 residents across 320 families



# PROJECT DESCRIPTION

## Problem:

The community has been without access to clean water for over 80 years. They rely on purchasing potable water at high cost from cistern trucks that arrive twice a week. Located 4.5 km away from the community, there is a 150-meter deep borehole yielding 6.5 liters per second of water. Laboratory analysis indicates it is brackish, causing kidney problems and increasing the risk of gastrointestinal diseases among the population. Residents spend many hours transporting water to their homes.

## Solution Proposal: Objective

Installing a reverse osmosis water treatment plant near the borehole area will convert brackish water into safe, constant, and sustainable drinking water.

## Goals:

Ensure access to safe drinking water, improved sanitation, and hygiene for the entire community.

Strengthen communities to develop, finance, and maintain sustainable water and sanitation systems.

Implement programs to educate the community about the benefits of safe drinking water, sanitation, and hygiene.

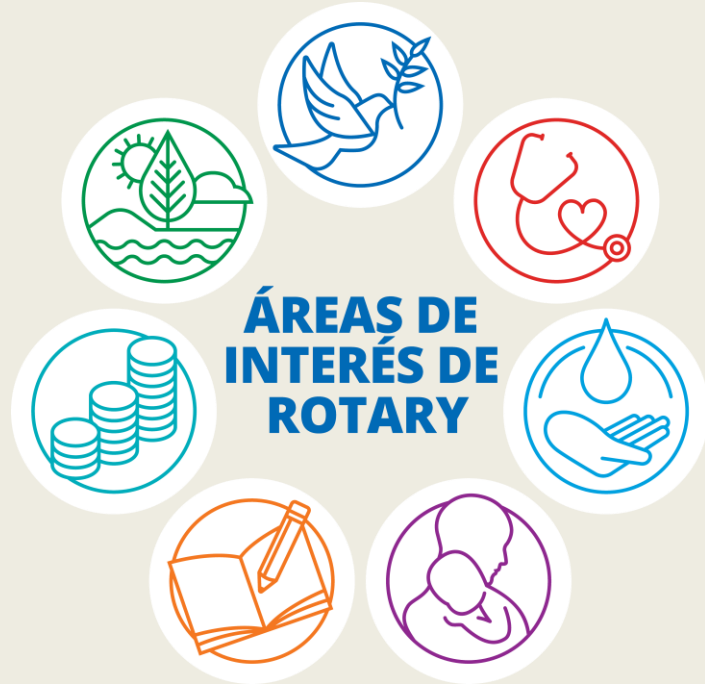




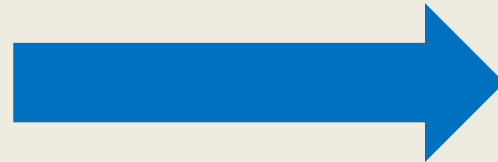




# AREA OF INTEREST



Sanitation, Water and Hygiene (WASH)



**AGUA, SANEAMIENTO  
E HIGIENE**

# SUSTAINABILITY

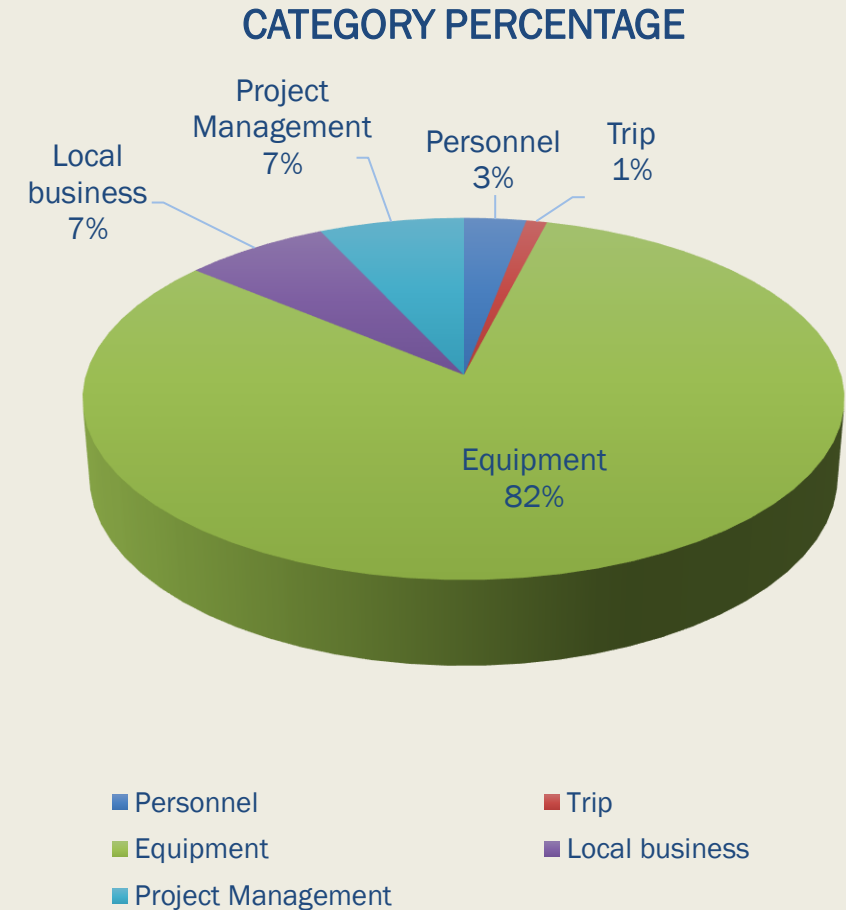
## 5-Year Sustainability Plan with 10-Year Projection





**BUDGET: USD \$ 85,400**

**Investment per capita:  
USD \$ 53.37**



# FINANCING

**Total amount raised: USD \$ 5,900.00**

**Missing funding: USD 79,500.00**

**Total Project Value: USD 85,400.00**



# CONTACT INFORMATION

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**Thank you for helping us make a  
difference!**

With gratitude and respect,

**Rotary**   
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