



GLOBAL GRANT 2463825



# Rainwater harvesting program for schools

Las Torres Satelite D4170 – Mexico Host Club  
District 5830 TX/OK – International Sponsor District  
July 1, 2024





## Community Needs

- a. 66% of Mexico suffers from water shortages.
- b. In 2006, 61% of municipalities had access to water every day, now only 33% do.
- c. Schools are affected by the lack of water, as it precludes their normal activities and endangers the health of students. Without water the students are not able to using bathrooms and cleaning, which is why suspension of classes is common.
- d. Improve hygienic conditions in schools



## Global Grants - Area of Focus

## Water, Sanitation and Hygiene

- a) This project consists of the installation of a rainwater harvesting system, and training to create awareness among the school community.
  
- b) The proposed rainwater harvesting system uses the roofs of buildings as collectors. The water is collected through gutters, conveyed through downspouts and stored in airtight tanks, after filtering leaves and sediments.





## Global Grants - Area of Focus

## Water, Sanitation and Hygiene

- a) Our project meets the fifth statement and goal of the area of interest, which is to strengthen the capacities of governments, institutions and communities to design, finance, manage and maintain sustainable water supply and sanitation services.
- b) The first phase of this project will beneficiate **4,500 students** in three schools, but it is planned to expand it to more schools in the future.





## Sustainability

- The beneficiary population is students from CONALEP, a public institution, and CONALEP agree to sign a maintenance agreement for the donated equipment
- The project include a training to create awareness among students, teachers, and parents about the importance of rainwater and the required measures for the proper operation and maintenance of the system





## Budget in pesos

CONCEPT	UNITS	MXP
Rainwater harvesting system (including installation, training, monitoring, and maintenance for one year after completion of installation)	3 schools	899,696
<b>Total Amount</b>		<b>899,696</b>



**The budget includes the following material concepts for the three schools**

- 6 water storage tanks of 5 thousand liters each
- 200 meters of polypropylene pipe
- 6 “first rain” separators with a capacity of 200 liters each
- Support and fastening elements
- 6 leaf filters
- 6 concrete bases for tanks
- 6 Hydraulic pumps
- Among other minors



## Funding in US Dollars (exchange rate 18:1)

Sponsor	USD
CR Las Torres Satelite	\$3,000
District 4170 DDF	4,000
US Sponsor & Other Partners DDF	22,102
Rotary Foundation Match	20.881
<b>Total Amount</b>	<b>\$49,983</b>



The  
**Rotary**  
Foundation



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