

# **Report**

## **Water Supply to 13,000 Rural Dwellers in Nigeria; Construction of a 40Ft High Scaffolding to Hold 10,000L of Water for Distribution, phase 1.**

Firstly, Dako foundation for Rural Healthcare and Education (DFRHCE) wishes you a happy new year and specifically thank you- our esteemed donors for your immense donations toward our project to provide Potable Water Supply to 13,000 Rural Dwellers in Nigeria. DFRHCE works to improve the living conditions of disadvantaged communities in Nigeria through public health measures, education and direct medical interventions, ultimately empowering communities to advocate for their improved well-being.

### **Community need for the water project.**

In Nigeria, access to safe and regular water supply is a major challenge especially as more than half (62.6%) of its people live in poverty. Also, clean and regular water supply have not kept pace with the rapid rate of population increase. Water scarcity, poor water quality and inadequate sanitation negatively impact food security, livelihood choices and educational opportunities for poor families and lead to water borne diseases such as diarrheal, cholera, typhoid, hookworm etc. This situation is particularly worse in underserved rural communities where most of the children die due to preventable diseases associated with inadequate water supply, sanitation and hygiene. This situation is very rife in the communities where DFRHCE implements a water project to serve 13,000 rural dwellers.

### **Project Overview**

Construction of a 40 feet (ft) high scaffolding at the artesian water source in order to carry 10,000Litres of water reservoir from where water would be distributed through extension pipes to six (6) other neighbouring communities at a distance of 5 kilometers.

**Project Location:** Iyerekhu, Edo State, Nigeria.

**Project Reach:** The project is expected to provide water supply to reach 13000 people in total; 6000 people in its primary community and another 7000 residents through its water extension from the source to neighbouring communities.

### **Project Funding and Implementation Successes.**

So far, \$8,553.05 out of a total budget of \$54000 has been disbursed towards the water project. Below are pictures of activities showing how the \$8,553.03 has been judiciously used.

### Project Activities:



Figure 1-4: Some materials for the construction of water project scaffolding.







Picture 5: Construction of Basement for Water Scaffolding.



Picture 6 and 7: Construction of Basement for Water Scaffolding (continuation).





Figure 8 and 9: Construction of a concrete basement to hold 10,000L of water Storage.



Figure 10: Ongoing construction of the 40ft high water scaffolding.





Figure 11: The artesian water source with completed plumbing installations to convey water to 40feet high water reservoir of 10,000L. This picture of the Artesian water source shows the stage where the water which flows out naturally from the aquifer layer beneath the ground had been capped. The capping further helps to increase the water pressure to flow upward and prevent water wastage. See attached video of the uncapped stage for details.



Figure 12: Ongoing construction of a 40feet high steel scaffolding to hold 10,000L water reservoir, Iyerekhu, Edo State.



### **Next Phase of the water Project:**

Following further funding, below are next line of activities and materials needed for the water project

<b>Water Storage and extension pipes</b>	
	<b>310 WAX Solar Panel</b>
	<b>Overhead Tank (10,000 L)</b>
	<b>10 Public Taps</b>
	<b>Homus Pressure Pipes (5KM) and to 10 Taps. (19685ft=6km)</b>
	<b>Pumping Machines</b>
<b>Solar Power Source</b>	
	<b>Solar Panel Rack</b>
	<b>8MM Cables of 150 yards</b>
	<b>Inverter Machine</b>
	<b>12V 200AH Amaron Battery</b>
	<b>Charger Controller</b>
<b>Labour &amp; Sustainability plan</b>	
	<b>Electrical wiring and Solar Power Installation</b>
	<b>Digging -fixing of 5KM Pipes</b>
	<b>Plumbing for 5km pipes and 10 Taps</b>
	<b>Builders (Bricklayers) for 10 taps platforms</b>
	<b>Phase 2 Transportation of Materials</b>
	<b>Project Supervision</b>
	<b>Security for personnel and materials for project duration</b>
	<b>3 weeks Sustainability Trainings for 7 Community Volunteers</b>

Despite the huge success recorded so far from the \$8,553.05 disbursed funds to DFRHCE, more can still be achieved to complete the construction and reach a larger number of people including farmers and school children who continuously get late to school due to long distance walk to fetch water several times daily before attending school etc. These people increasingly access this water source by walking a distance of over 5KM per trip from neighbouring communities. Thus, there is need to continuously support this project financially to enable us buy the 10,000L reservoir and further extend this artesian water supply to reach these neighbouring communities that lack access to water supply. This water storage and extension project is expected to benefit communities and end their lingering inability to access regular potable water supply.

Our donation link <https://www.globalgiving.org/projects/potable-water-supply-to-13000-villagers-in-nigeria/> is still active on GlobalGiving and opens for donations. We crave your



continuous support through donations to ensure timely and successful completion of the water project and provide potable water to 13,000 rural dwellers.

Thank you for your donations towards providing potable water to 13,000 rural dwellers. The successes recorded so far have been made possible due to widespread donations from all our donors in the UK, Canada, Australia, Europe, America, South Africa and Nigeria. We look forward to a year of continued support from you as we provide potable water to underserved communities in Nigeria.

Thank you,

Dr Mamudu Dako

Founder/CEO

Dako Foundation for Rural Healthcare and Education (DFRHCE).