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Your Ref: .....

# THE TEFAPE COMMUNITY BOREHOLE COMPLETION ROJECT REPORT



Reg No.: CRBN 10  
BN:29

Our Ref: .....

Your Ref: .....

# CONSTRUCTION OF ONE WATER WELL IN TEFAPE COMMUNITY

## KAGARKO AREA COUNCIL OF KADUNA STATE, NIGERIA

SUBMITTED BY ANDREW IKPONMWOSA  
CONTRACTING SUPERVISOR

APRIL 2026



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**CLIENT: JHB HOPE FOUNDATION UNDER JESUS HOUSE BALTIMORE MARYLAND USA, AND NAFH –NIGERIA**

**LOCAION:** Tefape community, kagarko area council, Kaduna state, Nigeria

**PROJECT START DATE: February 2026**

**PROJECT COMPLETION DATE: APRIL 2024**

**DRILLING COMPANY: Roots Drilling & Engineering Construction Limited**

#### **Project Goals:**

- The initial goal and objective of the project was to ensure the community is provided with accessible and safe drinking water, that could help improve their health and wellbeing as well as the people’s livelihood.

#### **Project Summary:**

This report details the completion of a borehole project undertaken for **JHB HOPE FOUNDATION UNDER JESUS HOUSE BALTIMORE MARYLAND USA, and NAFH – NIGERIA. The project is situated at Tefape Community in kagarko Area Council, Kaduna State, Nigeria.**

The project aimed to drill a borehole to a target depth of [50m to 80m] to provide access to clean water for domestic use. This report also captured the actual project cost, and cost adjustment on project bill due to the rise in the cost of gasoline in the Nigeria market as shown in the tables below.

**PROJECT SCOPE:** The scope of this project covers, investigate ground water feasibility in Tefape Community.

2. The drilling of the borehole to a recommended depth of [50m to 80m as recommended in the geo- survey report

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3. Installation of [Casing Material, e.g., plastic pressure casing] to ensure borehole stability.
4. Development of the borehole to improve water yield. {pump installation}
5. Water yield testing to determine the borehole's capacity.
6. Demobilization of drilling rig and site cleanup.
7. Project Results/commission same for safe use

The borehole was successfully drilled to a final depth of seventy meters [90m].

The area is underlain by gneiss & migmatite group of rocks which belong to the Basement Complex Rocks. Groundwater occurs in the Basement Complex in the weathered zone at a depth of 70m to 85m with overburden of 28m where water was discovered.

The borehole development is believed to have yielded a sustained flow rate of 100liters per hour as seen in the flushing of the well.

## Conclusion

The borehole project was completed successfully on 19<sup>th</sup> of April 2026 outside budget and on schedule. The borehole meets the client's requirements for the Purpose of Borehole with a sustainable water yield.

## The following milestone has been reached;

- The drilling data/ information showing the bed and tentative water formation (Geophysical survey report)
- Improvement on the accessible road for the drilling also archived in collaboration with the community
- Mechanical pump [ hand pump] which was recommended has also been purchased and delivered
- Drilling successfully carried out



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**ENGINEERING & PROPERTIES**

| BUILDING & MANAGEMENT OF CIVIL ENGINEERING STRUCTURES | SOFT & HARD LANDSCAPING  
| SUPPLY & INSTALLATION OF SECURITY EQUIPMENTS | GENERAL SUPPLY & MERCHANDISE

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- Pump installation - done!
- Official Project Commissioning for use and handing over- successful.

### PROJECT ACTUAL COST

	<b>ITEM DESCRIPTION</b>	<b>QUTY</b>	<b>UNIT</b>	<b>RATE</b>	<b>TOTAL AMOUNT</b>
1	Geophysical survey			50,00	50,000.00
2	Drilling and casing	90	m	25,000	2,250,000.00
3	complete Pump set and installation	1	nos	800,000	800,000.00
4	Construction of platforms	3	nos	300,000	300,00.00
4	Transport and other logistics			150,000	150,000.00
	<b>TOTAL COST</b>				<b>3,550,000.00</b>



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