

Igbara-Oke Association in the UK-Europe Charity Project Summary Report:
Solar-Powered Borehole for the Community General Hospital in Igbara-Oke, Ondo-State, Nigeria.
The project was commissioned on 26 August 2022.

Introduction

In line with our commitment to enhance the quality of life in our community, our charity organisation embarked on an ambitious project. This initiative not only promotes sustainable energy but also significantly impacts the well-being of our community members. The primary objective was to ensure a reliable and pure water source for the Community General Hospital. This was achieved by installing a solar-powered borehole, a project graciously commissioned by our King, HRM Oba Dr. Francis Ilufemiloye Agbede, Ogidi III, the Olowa of Igbara-Oke Kingdom, on the 26th of August 2022.

Project Highlights

1. **Solar-Powered Borehole:** Understanding the imperative of sustainability, we chose a solar-powered borehole system. This guarantees an uninterrupted water supply to the hospital, even during power outages. Notably, the pumping machine features a dual power source — solar and electric — and boasts a robust 2.5 HP capacity with a lifespan of over 20 years. Solar energy is the primary power source for the pump, with the electric source reserved for days without sunlight.
2. **Backup Borehole:** An auxiliary second and separate borehole system powered by electricity was set up as a backup. The solar-powered and electric boreholes feed into the overhead twin 3,000-litre water tanks.
3. **Metal Stanchion Installation:** A sturdy metal stanchion, rising over 9 meters, was erected to support the twin 3,000-litre water tanks. This stanchion guarantees ample pressure for distributing water across the hospital premises.
4. **Water Distribution Network:** The water supply spans multiple locations within the hospital. Our team carefully planned and installed a network of pipes connecting the stanchion to vital hospital sections, including the Administration Block, Mortuary, Maternity Ward, X-ray ward, and Staff Quarters.

Benefits of the Project

1. **Reliable Water Supply:** With the solar-powered borehole system, the Community General Hospital can now enjoy a steady and good water source, indispensable for daily operations and patient care.
2. **Sustainability:** Leveraging solar power for the borehole reinforces our commitment to eco-friendly solutions, reducing the hospital's and the broader community's carbon footprint.
3. **Enhanced Hospital Operations:** A stable and clean water supply significantly elevates hygiene standards, medical processes, and efficiency.

Conclusion

The fruition of this project underscores our charity organisation's unwavering commitment to sustainable community progress. The solar-powered borehole initiative has not just catered to the immediate water necessities of the Community General Hospital but has also paved the way for subsequent sustainable endeavours. We extend our heartfelt gratitude to every individual and partner who transformed this vision into reality. We're excited about spearheading more projects that focus on community betterment.

For further details about this project or collaboration opportunities for upcoming ventures, don't hesitate to contact us.