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Solar Project Proposal

Proposal for Solar
System Installation

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Table of Contents

Executive Summary	03
Introduction	04
Project Understanding	05
Solar System Installation Proposal	06
Installation Process	07
Timeline	08
Previous Work Experience	09
Financing Options	10
Benefits of My Proposal	11
Next Steps	12
Contact Us	13

Executive Summary

This proposal outlines a comprehensive solar system installation tailored to meet the energy needs of [Client's Name]. Leveraging my extensive experience and cutting-edge knowledge in solar technology, I propose a customized solar setup that is highly efficient and suitable for the unique conditions of Nigeria. This solution will provide reliable, sustainable energy while significantly reducing electricity costs.



Omotola Oyeniyi
Thollarkings Company
CEO





④ Introduction

I am a seasoned solar technician with over 8 years of experience in solar energy installations. My expertise includes the latest advancements in solar technology, which I have adapted to create an optimal setup pattern for our region. My commitment to quality and customer satisfaction has led to successful installations across various sectors.

Project Understanding

- Reduction in electricity bills.
- Reliable power supply in remote areas.
- Sustainable energy solutions to minimize environmental impact.
- Off grid reliable system



Solar System Installation Sizes

⊕ 2 kW System

- Panels: 6 panels (300 W each)
- Installation Kits: 2 kits
- Hybrid Inverter
- Wires: Suitable for 2 kW capacity
- Digital Breakers: Sized for 2 kW system
- Battery Options:
 - Lead Acid: 200 Ah at 12 V
 - Battery Gantry: 1 required
 - Lithium-Ion: 100 Ah at 24 V
- **Total Cost:**
 - Lead Acid (200 Ah): **1,910,000 Naira**
 - Lithium-Ion (100 Ah): **2,790,000 Naira**

⊕ 3.5 kW System

- Panels: 12 panels (300 W each)
- Installation Kits: 4 kits
- Hybrid Inverter
- Wires: Suitable for 3.5 kW capacity
- Digital Breakers: Sized for 3.5 kW system
- Battery Options:
 - Lead Acid: 400 Ah at 12 V
 - Battery Gantry: 1 required
 - Lithium-Ion: 200 Ah at 24 V
- **Total Cost:**
 - Lead Acid (400 Ah): **3,180,000 Naira**
 - Lithium-Ion (200 Ah): **4,480,000 Naira**

⊕ 5 kW System

- Panels: 17 panels (300 W each)
- Installation Kits: 6 kits
- Hybrid Inverter
- Wires: Suitable for 5 kW capacity
- Digital Breakers: Sized for 5 kW system
- Battery Options:
 - Lead Acid: 800 Ah at 12 V
 - Battery Gantry: 1 required
 - Lithium-Ion: 200 Ah at 24 V
- **Total Cost:**
 - Lead Acid (800 Ah): **4,430,000 Naira**
 - Lithium-Ion (200 Ah): **5,230,000 Naira**



Solar System Installation Sizes

⊕ 7.5 kW System

- Panels: 25 panels (300 W each)
- Installation Kits: 9 kits
- Hybrid Inverter
- Wires: Suitable for 7.5 kW capacity
- Digital Breakers: Sized for 7.5 kW system
- Battery Options:
 - Lead Acid: 800 Ah at 12 V
 - Battery Gantry: 1 required
 - Lithium-Ion: 400 Ah at 24 V
- **Total Cost:**
 - Lead Acid (800 Ah): **5,500,000 Naira**
 - Lithium-Ion (400 Ah): **8,800,000 Naira**

⊕ 10 kW System

- Panels: 34 panels (300 W each)
- Installation Kits: 12 kits
- Hybrid Inverter
- Wires: Suitable for 10 kW capacity
- Digital Breakers: Sized for 10 kW system
- Battery Options:
 - Lead Acid: 800 Ah at 12 V
 - Battery Gantry: 1 required
 - Lithium-Ion: 800 Ah at 24 V
- **Total Cost:**
 - Lead Acid (800 Ah): **7,860,000 Naira**
 - Lithium-Ion (800 Ah): **15,060,000 Naira**

⊕ 15 kW System

- Panels: 50 panels (300 W each)
- Installation Kits: 17 kits
- Hybrid Inverter
- Wires: Suitable for 15 kW capacity
- Digital Breakers: Sized for 15 kW system
- Battery Options:
 - Lead Acid: 1,200 Ah at 12 V
 - Battery Gantry: 2 required
 - Lithium-Ion: 1,200 Ah at 24 V
- **Total Cost:**
 - Lead Acid (1,200 Ah): **10,500,000 Naira**
 - Lithium-Ion (1,200 Ah): **22,500,000 Naira**

⊕ 20 kW System

- Panels: 67 panels (300 W each)
- Installation Kits: 23 kits
- Hybrid Inverter
- Wires: Suitable for 20 kW capacity
- Digital Breakers: Sized for 20 kW system
- Battery Options:
 - Lead Acid: 1,600 Ah at 12 V
 - Battery Gantry: 2 required
 - Lithium-Ion: 1,600 Ah at 24 V
- **Total Cost:**
 - Lead Acid (1,600 Ah): **13,230,000 Naira**
 - Lithium-Ion (1,600 Ah): **30,030,000 Naira**

Installation Process

- Site Assessment: Conduct a thorough evaluation of the installation site.
- Design Approval: Present the final design for your approval.
- Installation: Complete the installation within 1 week.
- Commissioning: Conduct tests to ensure optimal performance.

Timeline

- Project Kickoff: [Start Date]
- Completion: 1 to 3 days depending on complexities and system size.



Previous Work Experience

I have successfully completed numerous solar installations, including:

Automatic Water Pressure Pump –

- Location: Ibadan
- System Size: 2kw
- Client: Engineer Awoderu
- Outcome: Works fine to meet demand



Whole House Installation –

- Location: Oyo, Nigeria
- System Size: 2kw System
- Client: Dr Oyetunde Mogbesola
- Outcome: works fine no downtime(proper monitoring)

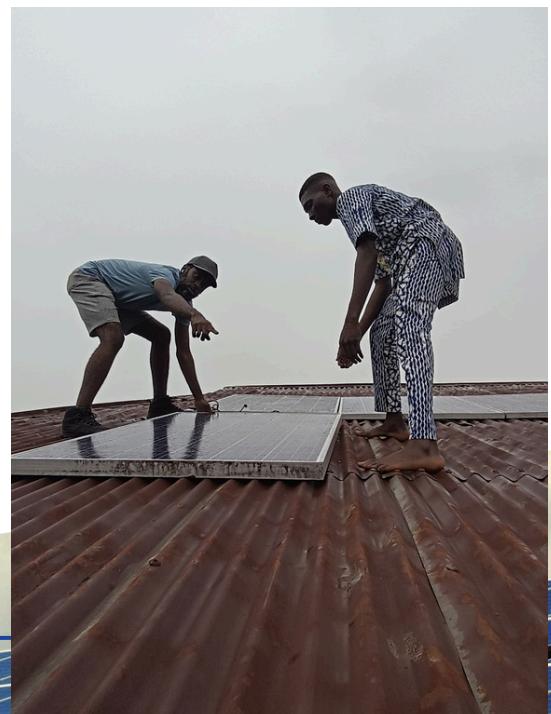


Previous Work Experience

Contd:

Whole House Installation –

- **Location:** Oyo, Nigeria
- **System Size:** 5kw System
- **Client:** Mr and Mrs Okunade
- **Outcome:** works fine no downtime(proper monitoring)



Previous Work Experience

Contd:

Whole House Installation –

- Location: Ibadan, Nigeria
- System Size: 3.5kw System
- Client: Pharm. Oyeniyi
- Outcome: works fine no downtime(proper monitoring)

Whole House Installation –

- Location: Ibadan, Nigeria
- System Size: 2kw System
- Client: Mr. Harry
- Outcome: works fine no downtime(proper monitoring)

.....and many more



Financing Options

While we currently do not offer flexible financing options, we understand that investing in a solar system is significant. Therefore, the proposed systems are highly scalable, allowing for gradual funding and expansion. This means that [Client's Name] can start with a smaller system and increase capacity over time as needed.



Benefits of My Proposal

Tailored Solutions: Custom setup patterns designed for the Nigerian climate.

Quality Assurance: High-quality materials and installation practices.

Support and Maintenance: Ongoing support and maintenance packages are available.

Next Steps

To proceed with this proposal, I suggest scheduling a follow-up meeting to discuss any questions you may have and finalize the details.



**Thank you for considering this proposal. I
look forward to working with you and
providing a reliable solar solution.**



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