



Norwegian People's Aid

Request for Information (RFI)

Subject: Supply of Solar Power System Installation for a 3-Floor Building

Request for Information number: 117-24-RFI001

Norwegian People's Aid

Juba- South Sudan

05 November, 2024

Introduction

Norwegian People's Aid (NPA) is a humanitarian organization rooted in the Norwegian Labour Movement. We work with International Development Partnerships, Mine Action and Disarmament (MAD), Rescue Service and First Aid, and Asylum and Integration. Norwegian People's Aid has more than 12,000 members in Norway and 2,400 staff worldwide. We work in 32 countries around the world.

NPA is a registered Non-Governmental Organization (NGO) that has been operating in South Sudan for over 30 years to support its humanitarian mandate.

Background:

The NPA offices in Juba currently rely on an unstable electricity supply, leading to operational challenges and increased energy costs. To address this, NPA is exploring the possibility of transitioning from generator-based power to a renewable solar energy system for our three-floor building located at Juba. This shift aligns with our commitment to sustainability and reducing operational costs associated with conventional power sources.

Purpose of the RFI

The purpose of this RFI is to gather information on available solar power solutions, understand supplier capabilities, assess preliminary cost estimates, and outline timelines. The purpose of this RFI is not to short list or pre-qualify suppliers in any way. Please note that the RFI does not seek a direct response in the form of an offer.



Norwegian People's Aid

Building Specifications:

- Location: Martyrs Street, Plot41B, Juba, South Sudan- NPA Building
- Size: Three floors with approximately 2347 sqm as total space including the parking area.
- Energy Requirements: Solar system required to provide full power from 6:00 AM to 5:00 PM, supporting a current load of approximately 210 kW.
- Current Power Source: Diesel generators.

Scope of Information Requested:

We invite you to provide the following information to help us better understand your capabilities and solution offerings:

1. Site assessment

2. System Design & Capability:

- Recommendations for the optimal solar system design suited to a 3-floor commercial building, including suggestions on integrating parking sheds to maximize the use of parking and other available spaces.
- An outline of system capacity, storage options (batteries), and estimated output based on average local sunlight hours.
- Information about what materials are used in the solar panels and batteries and where the solar panels and batteries are being manufactured and assemble

3. Installation & Integration:

- Installation requirements, timeline estimates, and any prerequisites for a successful installation.
- Information on how the system integrates with our current setup, potential integration with public electricity grid, including potential need for backup generators during the transition.

4. Cost Estimates:

- Preliminary pricing for installation, equipment, and any maintenance or operational costs.

5. Maintenance and Support Services:

- Frequency of maintenance requirements, expected operational lifespan, and warranty details.
- Support packages available post-installation for troubleshooting and system updates.
- Testing, commissioning, and training.
- Support for managing, re-using or disposal of used solar panels/batteries if they need to be substituted.

6. Timeline and Availability:

- Estimated timeline for project completion from start to finish, based on your standard service.
- Availability to initiate the project within the next four months.



Norwegian People's Aid

7. Environmental & Financial Impact:

- Potential energy savings and environmental benefits specific to this location and building size.
- Information on any financial incentives, discounts, or grants available in this region to support solar energy installations.

Submission Guidelines:

Please submit your response by **06 December 2024** to ghassang@npaid.org, along with any relevant documentation, product information, case studies, or references that highlight your experience in commercial solar installations.

Contact Information

For any questions or clarifications regarding this RFI, please reach out to:

- Ghassan Jamous ghassang@npaid.org

For Site assessment, please reach out to:

Alee Moses mosale936@npaid.org, Mobile [+211 926946919](tel:+211926946919) / [922052264](tel:+211922052264)

-

Thank you for your time and interest. We look forward to receiving your insights and exploring potential collaboration.

Norwegian People's Aid

South Sudan