

A CALL FOR TENDER

26th MAR 2025

Dear Sir/Madam,

Re: **Tender Invitation – < PV system Installation in coordination Office > (Yangon Region)**

Médecins Sans Frontières (MSF) is an international medical humanitarian not-for-profit organization. MSF assists free of charge to populations in distress, victims of natural or man-made disasters, and victims of armed conflict. MSF has been working in Myanmar since 1992 and is currently providing healthcare in Kachin, Rakhine, and Shan states, as well as Yangon.

Regarding the subject mentioned above, kindly receive the tender announcement letter for the PV system Installation in the coordination Office per the tender documentation and information listed below.

We look forward to receiving your quotation; however, should you have any queries, please do not hesitate to contact the undersigned.

Médecins Sans Frontières (MSF)

Invitation for **PV system Installation in the coordination office**

Person In Charge	Mission Technical Referent (Power and Electricity)
Targeted area	Yangon
Ref No:	Ref No:P1623_25_0001, 26 th MAR 2025
Deadline of submission	21 st April 2025

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Yours sincerely,
Su Mon Win
Mission Technical Referent
+959 765469130

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Call for Information

For its PV system in the coordination office, the central location for receiving all cargoes, sorting the appropriate items to each destination, and distributing them accordingly, smooth operational efficiency is paramount.

Médecins Sans Frontières is searching for local partners to realize an off-the-solar-only hybrid electrical system producing 228 kWh/day.

With this call, MSF wants to:

1. Get an impression of the knowledge, equipment, warranty, and service available on the Myanmar market.
2. Get enough information to decide on the schematic setup.
3. Get to know trustworthy, professional, and skilled market parties, for this and upcoming projects.

Site Location at coordinates 16.85149, 96.16463, Yan Kin Township, Yangon.

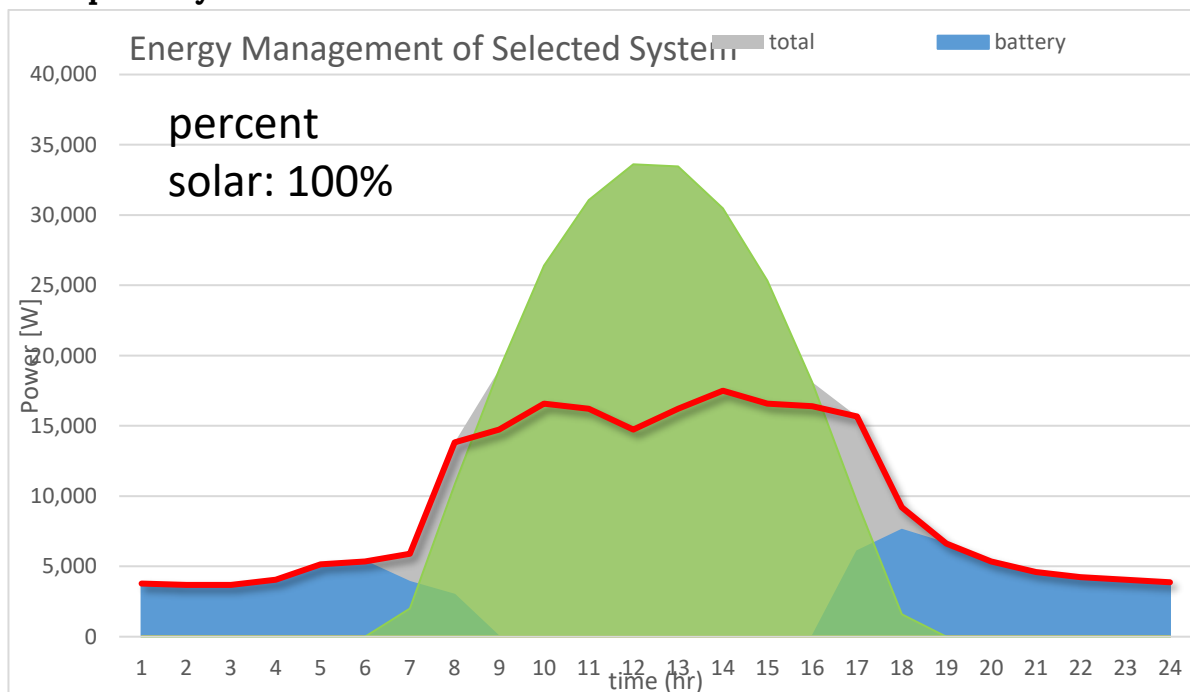
Site survey at No. 70/B, Parami Road, 8th Ward, Yankin Township, from April 1, 2025, to April 11, 2025 (during office hours).

General Specifications

Current Energy Use

- 228 kWh/day
- 20kW (estimated)

Proposed System A



Proposed system function

A hybrid system that will run on solar during the day and battery power at night. A Generator or grid must be present as a backup for periods of low insolation.

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Proposed Photovoltaic (PV) Production

Total installed PV capacity: 57.5 [kWp] (The total PV capacity is based on space for solar Panel)

Average PV energy production per day: 241.5 [kWh]

Proposed Energy Storage

Minimum usable energy storage: 76 [kWh] (daily utilization)

Minimum total capacity Lithium (LiFPo4) batteries: 120 [kWh] (desired battery technology)

Other Components

Minimum inverter capacity: 50 [kW] (DC to AC)

Prefer charger capacity: 30 [kW] (AC to DC)

Solar-charger capacity: as appropriate for the proposed solution

Approximate PV-inverter capacity: N/A

Controls and data logging: local system performance monitoring and online/remote monitoring and logging required

Recommended brand and specification of PV, Inverter and Batteries

Jinko solar panel (N-type Mono half-cell 590 Wp)

Micro-grid Hybrid Inverter (3phase), HV (SUN-30K-SG01HP3-EU-BM3)

Lithium Battery (Deye, 90% DoD), HV (51.2V 100AH)

Documentation to be provided;

- 1) Copy of the Company Profile and References
- 2) Payment Terms and Conditions (50%, 45%, and 5%, with the final payment due 6 months after installation)
- 3) Organization Chart (Optional)
- 4) Catalogue of Products/Services Provided by the Company
- 5) Project Schedule
- 6) Design Package (including Single Line Diagram, Solar Panel Layout, and Solar Size Calculation)
- 7) Design Package for Walkway (Cleaning and Maintenance) and mounting and extension structure for solar panel
- 8) Remote Monitoring Platform
- 9) Annex_A: Information Form-2025_03 (Must be provided with completed data)

Deliverables

Global system design/setup for the proposed system

Please contact myanmar-electrician@oca.msf.org to inquire about how to submit the proposal and to receive the tender documentation package.

Deadline

We ask you kindly to send all requested documents to myanmar-electrician@oca.msf.org, myanmar-supplylog@oca.msf.org **before 21/04/2025**.