

MEGHALAYA NON-CONVENTIONAL AND RURAL ENERGY DEVELOPMENT AGENCY,

Near bsf camp mawpat, Shillong7930012.
Phone : 0364 2537343/ Fax No.0364 2537611
Email : mnreda.dir@gmail.com :: www.mnreda.gov.in

CORRIGENDUM

No.MNREDA/1688/2016/47

Dated Shillong, the 16th August, 2016.

In the light of queries received from prospective bidders regarding amendment/suggestions, MNREDA has decided to make following amendment in the NIT No.MNREDA/1668/2016/25 Dated Shillong, the 8th August, 2016.

Sl. No.	Original in NIT	Read as/amendment
1.	Page No.16 Data Sheet is only for Inverter.	Page No.16 Data Sheet should be for PCU, Battery, Module and Inverter and the same should be furnished as per format page 16(a) and page 16 (b).

1. The corrigendum shall form the integral Part of the tender documents.
2. The above Amendment shall be uploaded on MNREDA website. The bidder shall download along with the original NIT and shall submit it duly signed with bid document.

Member Secretary-cum-Director,
Meghalaya Non-Conventional and Rural
Energy Development Agency,
Shillong.

Dated Shillong, the 16th August, 2016.

Memo.No.MNREDA/1688/2016/47-A

Copy to :-

1. State Informatic Officer
National Informatic Centre
Shillong, Meghalaya.

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With a request to display the
corrigendum in the website is
enclosed herewith.

2. Notice Board
MNREDA, Shillong.

Member Secretary-cum-Director,
Meghalaya Non-Conventional and Rural
Energy Development Agency,
Shillong.

DATA SHEET

50 Kw Off-Grid Power Plant.

Sl. No.	Item Description	Qty.
1.	Solar PV Module ≥ 250 Wp – 50 Kwp	1 set
2.	Power Conditioning Unit – 50 KVA	1 set
3.	Battery Bank – 240V, 600 Ah	1 set
4.	Module Mounting Structure	1 set
5.	AJB, ACDB & DCDB	1 set
6.	Earthing and Lighting Arrestor	1 set
7.	Cables and other components	As per site requirement

General Specification of PCU:

PCU Rating: 50 KVA

Parameters	Specification to be filled in by bidder
Photovoltaic Input	
Nominal Input Voltage (Vdc)	
Input Voltage Range	
Maximum PV power recommended (Kw)	
Charge controller	
MPPT base Charge Controller	
Switching Element	
Controller	
Type of Charger	
Peak Efficiency	
Grid Input	
Input Supply Phases	
Nominal Voltage & Range	
Active Filtering during load on mains	
a. THD	
b. Power Factor	
c. Harmonic Attenuation Ratio	
Battery:	
Type	
Battery Capacity	
Battery Nominal Voltage	
Grid through battery charging	
Active filtering during Battery charging from Grid	
a. THD	
b. Power Factor	

Inverter	
Switching Element	
Controller	
Nominal Output Voltage	
Output Supply Phase	
Output Waveform	
Nominal Frequency	
Load Power Factor	
Nominal Output Current (A)	
Voltage regulation	
Voltage Stability in dynamic condition	
Parameters	Specification
Output Voltage distortion with 100% linear load (%)	
Overload at nominal output voltage for 10 minutes	
Overload at nominal output voltage for 1 minutes	
System peak efficiency	
Noise @ 1 meter (dBA \pm 2dBA)	
Enclosure protection degree with open doors	
Cooling	
Galvanic Isolation	
Protection	
Display Parameter	
Operating Temperature ($^{\circ}$ C)	
Max. Relative Humidity	