

# MEGHALAYA NON-CONVENTIONAL AND RURAL ENERGY DEVELOPMENT AGENCY

Near BSF Camp Mawpat, Shillong-793012.  
Phone No.0364-2537343/2536138## Fax No.0364-2537611  
E-Mail mnreda\_shg @ bsnl.in ## Website www.mnreda.Gov.in

## **SHORT TENDER DOCUMENT**

1. WORK NO. : MNREDA/1476/2011/5
1. Name of Work : Supply of 1500 Nos. Solar LED Home Lighting System.
3. Date of Issue of Tender Document : 18<sup>th</sup> May, 2012 to 12<sup>th</sup> June, 2012.
4. Date of submission of Tender : 18<sup>th</sup> June, 2012 at 12.00 hours
5. Date of Opening of Tender : 18<sup>th</sup> June, 2012 at 13.00 hours.
6. Tender document Issue to M/s  
\_\_\_\_\_ against application vide letter  
NO. \_\_\_\_\_ dated \_\_\_\_\_ against payment of Rs.1000/-  
(Rupees One thousand) only vide Demand Draft  
No. \_\_\_\_\_ dated \_\_\_\_\_ of Bank  
towards cost of Tender Document (Non-refundable).

Issued by : \_\_\_\_\_

**For Member Secretary Cum Director,  
Meghalaya Non Conventional And  
Rural Energy Development Agency,  
Shillong.**

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## 1. NOTICE INVITING TENDER

No.MNREDA/1476/2011/5 :- Sealed Quotation with 60(sixty) days validity are invited from the approved Manufacturer / Supplier for supply of 1500 Nos. of complete Solar LED Home Lighting System with 12 volt, 10 Wp SPV Module, 12 volt 7 AH SMF Battery, 3 Nos. of 3 watt super LED tube light and provision for Mobile charging facility and duration of light usage of 4 to 6 hours. Tender paper will be issued with effect from 18<sup>th</sup> May 2012 to 12<sup>th</sup> June, 2012 on payment of tender cost of Rs.1000/- (Rupees one thousand) only.

Last date of submission and opening of tender is on 18<sup>th</sup> June 2012 at 12.00 hours and 13.00 hours respectively.

Member Secretary Cum-Director,  
Meghalaya Non-Conventional & Rural  
Energy Development Agency, Shillong.

Memo.No.MNREDA/1476/2011/5(a)

Dated Shillong, the 11<sup>th</sup> May, 2012

Copy to :-

1. The Shillong Times  
Riblong, Shillong-4. With a request to publish in one issue of your  
Newspaper within a space of 2xcolx7.5 cm  
Publish in Shillong Times. Bill in triplicate may be  
Submitted to the undersigned for payment.
2. Office Notice Board.

Member Secretary Cum-Director,  
Meghalaya Non-Conventional & Rural  
Energy Development Agency, Shillong.

2. **Instruction to Tenderer :-**

- i) The cost of tender papers or document should be in the form of Cash/Bankers Cheque No./Demand Draft (Non-refundable) drawn in favour of Member-Secretary-cum-Director, Meghalaya Non-Conventional and Rural Energy Development Agency, Shillong.
- ii) Tender Document will be issued by Courier or Speed Post on request but extra payment of Rs.200/- (Rupees two hundred) only should be made by Demand Draft towards cost of Speed Post or Courier.
- iii) Local Dealer of any manufacturer or supplier will be issued Tender document but on furnishing of their Dealership Certificate and tender document will be issued in Principal's name.
- iv) In the event of postal delayed, MNREDA shall not be held responsible.
- v) Tender document will be issued on any working days within the specified date.
- vi) In case the opening date is declared as holiday tender shall be open in the next working day at the same time and hour.
- vii) Tenderer are to furnish their offer in a seal cover envelope.
- viii) Commercial Terms and Conditions specifically indicating deviations to the terms and conditions stipulated in detailed tender papers including payment terms etc. must be clearly specify the deviation.
- ix) The price quoted should be firm and as per the format provided in the tender document and should be inclusive of all Taxes and duties.

- i) Any other particular information, which are required to be furnished as per detailed tender papers but which have not been specifically indicated.
- ii) The rate should be legible written in English both in figure and in words. In case of any dispute between the figure and words the letter shall be indicated.
- iii) Earnest Money Deposit of 1% for Schedule Tribe and Scheduled Cast and backward classes and 2% for general on the amount quoted in the form of Bank Guarantee/Call Deposit/FDR from any Scheduled or Nationalized Bank of India pledged in favor of Director, MNREDA, Shillong should be furnished without which tenders will be rejected.
- xiii) Sample of the LED Home Lighting System should be submitted along with the Bids, without which Tender will be rejected.
- (xiv) **Supply of System** : The system are to be supply equally to all the 7(seven) District of MNREDA District Offices.
- (xv) Test Report of Module from MNRE should be submitted.

3. **General/Commercial terms and conditions:-**

- i) Signing of Tender Paper** :- The tender document as issued by MNREDA should be sealed and signed by the Authorized person of the firm and it will be view as acceptance of each and every conditions containing therein.
- ii) Attestation** :- All Xerox supporting papers which is not original should be duly attested by the Government official not below the rank of Magistrate.
- iii) VAT** :- VAT Registration and VAT clearance certificate upto March, 2012 should be furnished along with the Bid.
- iv) Time of Completion** :- The work should be completed within 60(sixty) days from the date of issue of final work order.
- v) Trading License** :- The successful bidder has to produce a Trading License from the proper authority before supplied the system.
- vi) Agreement** :- An Agreement has to be signed within 7(seven) days of issues of final work order. The Agreement shall be prepared by the purchaser on a stamp paper duly signed by the authorize person of the firm and purchaser.

The tender document as issued along with the Bid as submitted by the bidders along with supporting papers shall be part and parcel of the agreement

**vii) Division of work :-** The work may be allotted to more than one party so as to enable to complete the work within the set target date.

viii) **Warranty** :- The system should be guarantee for a period of 2 years.

ix) **Payment Terms and Conditions** :- The Bidders shall be entitled to the following payment terms:-

- (a) **Mobilization Advance** : The contractor shall be paid 30% (thirty percent) of value as mobilization advance against a Bank Guarantee of equivalent/like amount from any Nationalized Bank or Scheduled valid for a period of 60( sixty) days from the date of acceptance of work.
- (b) 60% (sixty percent) of the contract value of the plant/equipment shall be paid against receipt of materials at our District Office in good conditions.
- (c) Balance 10% (ten percent) to be paid at the end of 2(two) years of warranty period or against submission of Bank Guarantee of equivalent/like amount valid for a period of two years from the date of distribution of systems.
- (d) The Annual/comprehensive maintenance contract payment shall be made on percentage of 30%, 30% and 40% at the end of 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> years basis.

In the event of contractor not being able to supply or to carry out the work or a part of the work assigned to him in accordance with the terms of this contract, the purchaser shall have the right to recover any sums advanced from the contractor from his/its assets/amount submitted as mobilization advance.

**x) Write up of System** :- Each system write up in English about functioning of the system shall have to be supplied along with system and one copy should be submitted with the Bids.

**xi) Experience** :- The bidders are required to submit the detailed experience during the last 3 years of the work completed of the same system. A statement in this respect has to be compiled in a comprehensive form along with work orders and completion certificate. Due weightage will be given or considered to the bidders who have any experience in similar kind of work.

**xii) Financial Soundness** : Documentary evidence in support of Financial Soundness of the Tenderer should be furnished.

**xiii) Submission of Bids** :- The submission of Bids should be strictly in the following order:-

- (a) Tender paper as issued by the Agency duly signed and seal by the Authorized persons of the firm.
- (b) Technical Specification duly filled in as per Tender Document.
- (c) Experience in similar kind of works.
- (d) VAT Registration and latest clearance certificate upto March, 2012
- (e) Write up of system
- (f) Any deviation with justification thereof.
- (g) Test Report of Module
  
- (h) Earnest Money Deposit.

**(xiv) Service Centre** :- It is mandatory that the manufacturer or Supplier should have a local service centre in the state, and preference will be given to those firm.

**(xv) Exemption of EMD** :- The Manufacturer or Supplier who claim exemption shall have to furnish and SSI Registration Certificate issued by NSIC.

**(xvi) Delivery of system** :-

- (a) The contractor shall deliver the plant/systems in accordance with the terms of the contract at the time/times at the place/places and in the manner specified in the contract. The contractor shall comply with instructions that may be given by the purchaser from time to time regarding the transit of the plant and material.

- (b) Notification of delivery or dispatch in regard to each and every consignment shall be made to the purchaser immediately after dispatch or delivery. The contractor shall supply to the consignee invoice in duplicate and packing account of all stores delivered or dispatch by him.
- (b) In case of any occurrence of loss or damage in transit upto destination, it shall be liability of the contractor to initiate or pursue the claim with Insurance Company. He should take immediate steps to repair the damaged apparatus or replacement thereto. Any extension of time limit required in such contingency will be considered by the purchaser on merit.

(xvii) **Arbitration** :-

- (a) Except where otherwise provided if anytime question dispute or difference whatever shall arise between the contractor and the purchaser upon or in the relation to or 1(one) connection with this contract either of the parties may give to the other notice in writing of the existence of such a question on rejection of the matter, the dispute or difference shall be referred to the sole arbitration appointed by MNREDA at the time of dispute after ascertaining the terms of reference mutually.
- (b) The Arbitration will preferably be a member of Arbitration Council and arbitration proceeding will take place as per provision or arbitration Act 1940 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply.
- (c) The contractor will ensure that the work under this contract shall continue during arbitration proceeding and dispute and no payments due from or payment by the purchaser shall be withhold on account of such proceeding except to the extent which may be in dispute.

(xviii) **Court of Competent Jurisdiction**:-

The Courts of Gauhati High Courts, Shillong Bench will only have jurisdiction in this case.

4. **Technical Requirement :-**

- (i) Load :- 3 x3 W LED Light = 9 Watt.
- (ii) Operational Hours :- 4 to 5 hours average daily without autonomy
- (iii) System normal voltage :- 12V DC
- (iv) Daily Load in AH :- 3.75 AH
- (v) Battery sizing :- 12V, 7 AH
- (vi) Solar Panel :- 12V, 10 Wp for proper charging the 7 AH Battery

(vii) **The specification should be furnished below :-**

**1. BATTERY :**

- i) Make
- ii) Type of battery
- iii) AH capacity
- iv) Efficiency
- v) Battery Rating
- vi) Separator Materials
- vii) Discharge rate
- viii) Battery Box Material
- ix) Sl.No. & Date

**2. DUTY CYCLE :-**

- i) No. of light point
- ii) Average hour of operation/day

**3. MODULE :-**

- i) Make
- ii) Type of Module
- iii) Efficiency
- iv) Maximum Wattage
- v) Operating Voltage
- vi) Sl. No. & Date
- vii) Test Report from Authorized Test Centre of Modules should be submitted along with.

**4. LAMPS :-**

- i) Make
- ii) Type of lamps
- iii) Light output

**5. ELECTRONICS :-**

- i) Name of manufacturer
- ii) Model/Type No.
- iii) Idle current
- iv) Total electronic efficiency

- v) Operating Voltage of the electronic circuit
- vi) Type of Inverter, sine wave /quasi sine wave.
- vii) Type of protection provided
- viii) Whether protection against battery overcharge or deep discharge provided
- ix) Prevention of reverse current provided or not
- x) Full protection against open circuit, accidental short circuit and reverse polarity provided or not.
- xi) Mobile charging provision.

**5.Bidding Scheduled :-**

Sl. No.	Description	Quantity	Unit	Unit price (Rs.)	Total price (Rs.)
1.	Supply of LED Solar Home Lighting System with 12 volt, 10 Wp SPV Modules, 12 volt 7 AH SMF Battery, 3 Nos. of 3W LED tube light with provision for Mobile charging facilities.	1500	Nos.		
2.	Local transportation upto the District Head Quarter.	1500	Nos.		
3.	CMC for 3 years after the warranty period.	1500	Nos.		
	TOTAL				

(Rupees \_\_\_\_\_)only.

Dated :

Seal & Signature  
of the Authorized  
person of the Firm.