

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 @ bsnl.in ## Website www.mnreda.Gov.in

TENDER DOCUMENT

1. Work No. : No.MNREDA/1286/2008-09/P&C/8
2. Name of Work : Supply, Installation and Commissioning of 1000(One thousand) Nos. of 74 Wp SPV Street Lighting System including AMC under MNRE SPV Programme during 2008-2009.
3. Date of Submission : The 29th June, 2009 upto 12.00 hours.
4. Date of Opening : The 29th June, 2009 at 13.00 hours
(For Technical Bid & Commercial Terms & Conditions)

Tender document issue to M/s. _____

against application vide their letter No. _____

Dated-----and against payment of Rs.2000/-

(Rupees two thousand)only vide No. _____ vide Banker's Cheque/

Bank Draft dtd _____ towards the cost of Document.

Issued By:

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



INDEX

1. Notice Inviting Tender-
2. Instruction to Tenderer -
3. General Terms & Conditions-
4. Technical Specification –
5. Bidding scheduled -



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1. NOTICE INVITING TENDER

Sealed Tender with 120 (one hundred and twenty) days are invited from the Govt. of India, Ministry of New & Renewable Energy approved Manufacturer and Supplier or from any experience contractor or Consultants to undertake the below mentioned work as details below :-

Sl. No.	Work number	Name of work	Cost of tender paper (Rs.)	Date of issue of tender	Date of submission of tender	Date of opening of tender.
(i)	No.MNREDA/1286/2008-09/P&C/8	Supply, installation and commissioning of 1000 Nos. of 74 wp SPV Street Lighting System including AMC under MNRE SPV programme during 2008-2009.	2000.00	4.6.09 To 25.6.09	29.6.09 Upto 12.00 hours	29.6.09 at 13.00 hours for Technical Bid & Commercial terms & Conditions.
(ii)	No.MNREDA/1201/08/Sr.PO/102	Design, supply, Installation, Testing & Commissioning of 10 Nos. of Wind Solar Hybrid Power Plant i.e. 4 Nos. of 10 Kw and 6 Nos. of 5 Kw in different location in Meghalaya.	2000.00	10.6.09 To 3.7.09	8.7.09 Upto 12.00 hours	8.7.09 at 13.00 hours for Technical Bid and Commercial Terms & Conditions.



(iii)	No.MNREDA/1206/08/ Sr.PO/145	Design, supply, installation, Testing & commissioning of various capacity solar water heating system (100 LPD to 2500 LPD unit capacity) in different Institutions in Meghalaya.	2000.00	8.6.09 To 30.6.09	8.7.09 Upto 13.00 hours	8.7.09 At 14.00 hours for Technical Bid & Commercial terms & conditions.
(iv)	No.MNREDA/1096/06/844	Design, supply, installation, testing and commissioning of 5 Kw SPV Power Plant at Upper Shillong.	500.00	8.6.09 To 30.6.09	9.7.09 Upto 12.00 hours	9.7.09 at 13.00 hours.
(v)	No.MNREDA/1242/2008- 09/Prog.Officer/16	Survey, Investigation & Preparation of Pre Feasibility Project for 7 Nos. of Micro Hydel Projects.	200.00	10.6.09 To 3.7.09	9.7.09 Upto 13.00 hours	9.7.09 At 14.00 hours
(vi)	No.MNREDA/1258/2009/ PO(BE)/13	Survey, Investigation & Preparation DPR with Technical Recommendation for 10 Nos. of Biomass Gasifier in 5 Nos. of District in Meghalaya.	200.00	10.6.09 To 3.7.09	10.7.09 Upto 12.00 hours	10.7.09 At 13.00 hours
(vii)	No.MNREDA/1305/2009/ Sr.PO/68	Evaluation, Monitoring & Preparation of Report on 70 Nos. of Remote Village Electrification in Meghalaya in 6(six) Districts in Meghalaya.	200.00	15.6.09 To 10.7.09	13.7.09 Upto 12.00 hours	13.7.09 At 13.00 hours



INSTRUCTIONS :-

- (i) Cost of Tender Paper or document should in the form of Banker's Cheque/Demand Draft(Non-Refundable) drawn in favour of Member-Secretary-cum-Director, Meghalaya Non-Conventional and Rural Energy Development Agency.
- (ii) While requesting for issuing Tender paper/document an application form in plain paper must be stated clearly Tender Notice with work No. and proof for qualification for the work must be submitted along, without which no Tender will be issued.
- (iii) Tender paper/document will be issued by courier/speed post on request but extra payment of Rs.200/- (Rupees two hundred) only for each work No. should be made by Demand Draft in favour of the undersigned towards cost of speed post/courier.
- (iv) Local Dealer of any Firm/Manufacturer/Supplier will be issued Tender paper but on furnish of their Dealership Certificate and tender paper issued will be in their Principle's name.
- (v) In the event of postal delayed, the undersigned shall not be held responsible.
- (vi) Tender paper/document shall be issued on any working day within the specified date.
- (vii) Earnest Money deposit of either 1% or 2% as the case may should be accompany the offer.
- (viii) Tenderer are to see by themselves that for each work No. nature of work are qualified or not, issuing of tender paper by the office to those non qualified firm/supplier/manufacturer are not the responsibility of this office.
- (ix) In case the opening date is declared as holiday, tender shall be opened in the next working day at the same time and hour.
- (x) Tender document may be download from our website www.mnreda.Gov.in and bid may be submitted on downloaded but cost of tender shall have to be submitted before submission of tender.

The undersigned reserves the right not to accept the lowest tenderer and may reject any or all the tenderers without assigning any reasons whatsoever.

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



Copy to :

- (i) The Principal Secretary
to the Govt.of Meghalaya,
Power Department.
- (ii) Shri Sudhir Mohan,
Adviser (RVE Division)
Ministry of New & Renewable Energy
Block No.14, CGO Complex,
Lodi Road, New Delhi-110003.
- (iii) Dr. R.Raman,
Director (Hybrid Division)
Ministry of New & Renewable Energy
Block No.14, CGO Complex,
Lodi Road, New Delhi-110003.
- (iv) Dr.R..P.Goswami (Solar Thermal Division)
Principal Scientific Officer,
Ministry of New & Renewable Energy
Block No.14, CGO Complex,
Lodi Road, New Delhi-110003.
- (v) Shri H.R.Khan,
Director, (SPV Division),
Ministry of New & Renewable Energy
Block No.14, CGO Complex,
Lodi Road, New Delhi-110003.
- (vi) M/s. Impact INC
Glorys Plaza, 2nd Floor,
Police Bazar, Shillong. } With a request to Publish in one issue of the
Shillong Times and in Business Standard covering
in 12 cities Bill along with published material should
submitted for payment.
- (vii) The Directorate of Information
& Public Relation Department,
Meghalaya, Shillong. } For information.
- (viii) ✓ The State Public Information Officer }
National Informatic Centre
Meghalaya, Shillong. } With a request to put in the State Website.

- (ix) All Registered & Recognized MNRE
Manufacturer & Supplier.
- (x) Notice Board.

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



2. **INSTRUCTIONS TO TENDERER.**

- (i) The Offer is of two parts bidding i.e. (a) Commercial Terms and Conditions and and Technical Bid and (b) Price Bid.
- (ii) Tenderer are to furnish their offer in a sealed cover enveloped and should marked clearly on the time of opening.
- (iii) The Commercial Terms and Conditions and Technical Bid offer should contains approval and Registration Certificate by MNRE, VAT Registration Certificate, Technical Specification, write up manual, Test Report of the System, Experience in similar kind of work and Tender issued by MNREA signed and seal in all pages by the Authorized persons of the Firms.
- (iv) The price should contains Earnest Money Deposit and Price quoted as per Bidding scheduled furnished in the Tender. Separate sheet may be used for price Bid but Format of Bidding scheduled should be maintained. Any deviation on this respect shall may the offer invalid/rejected.
- (v) No overwriting in the price quoted shall be allowed and in case overwriting, price quoted should be written clearly in words and duly signed and sealed by the Authorized persons of the Firm.
- (vi) The opening date of price Bid for those successful Bidder who qualifies for Technical Bid will be intimated separately but not less than 10(ten) days before the opening date.
- (vii) Bid of those unsuccessful Bidder in Technical Bid will be returned unopened to the respective Bidder.
- (viii) Agreement on stamped paper has to be signed by the successful Bidder before release of Mobilization Advance which is to be prepared by the Purchaser/MNREDA.
- (ix) AMC system separate Agreement on stamped paper shall have to be signed by the Manufacturer Or Supplier on complete installation and commissioning of system.
- (x) Any discrepancies observed by the tenderer in the tender paper/document, the tender should bring to the notice of the undersigned prior to tendering.
- (xi) The write up about the system, operation and maintenance manual in English should be furnished one copy along with the offer.



3. **GENERAL TERMS AND CONDITIONS:**

- (i) **Agreement** : The successful bidder shall have to sign an Agreement within 7(seven) days of issue of work order to be prepared in a stamp paper by the Purchaser.
- (ii) **VAT** : The Tender should submit the VAT Registration Certificate.
- (iii) **Time of Supply** : Supply of Systems should be completed within 60(sixty) days of issue of the work order and installation and commissioning should be completed within 30(thirty) days of furnishing of the list of site for installation by the Purchaser.
- (iv) **Test report of the System** : Test Certificate duly issued by SEC/ERTL/CPRI has to be submitted. The test Certificate issued on or after 1st April, 2006 are valid for this Tender.
- (v) **Guarantee and Warranty period** : The warranty period of the system is for of 2(two) years for the complete system including the battery and for modules the warranty period is 10(ten) years from the date of completion of installation and commissioning of the system.
- (vi) **Replacement of defective parts and component of system** : During the warranty period the suppliers are required to replace any defective parts or components or the whole systems in case if it is required to do so free of cost without any financial involvement to the Purchaser.
- (vii) **Court of Competent Jurisdiction** : The Court of Guwahati High Court, Shillong Bench will have a Jurisdiction.
- (viii) **Detail Drawing and Installation of System** : The details drawing indicating the size of angle for Modules post for frame and luminaire of system and grouting of post should be submitted along with the offer. This will be approved by the undersigned before starting of the work.
- (ix) **Comprehensive maintenance contract** : The Annual/Comprehensive maintenance contract of three years after the end of the warranty period should be undertaking by the Tenderer. A separate Agreement on this has to be signed by the successful bidder on complete installation and commissioning of the system.
- (x) **Testing of System** : In case the purchaser doubts the Technical performance of the system a random checking of a least two system out of the total lot may be sent for testing to the Authorized test centre of MNRE at the Supplier/Tenderer cost. The decision of the test centre shall bind to both parties.
- (xi) **Payment Terms and Conditions** :
 - a) 30% will be paid as Mobilization Advance in lieu of Bank Guarantee of like amount valid for 60(sixty) days from any Nationalized Bank.



- b) 60% will be paid on receiving of system and equipments at Shillong or respective sites. Subject to availability of fund.
- c) 10% shall be paid on expiry of 2(two) years warranty period or on complete installation and commissioning but in lieu of Bank Guarantee of like amount with a validity period of 2(two) years.
- d) The AMC CML payment will be made in a yearly basis i.e. at the end of 3rd, 4th and 5th years on a percentage of 30%,30% and 40% basis.
- xii) **Trading License** : No Tribal Contractor/Supplier/Manufacturer should produce Trading License from the local authority before supply of materials/starting work.
- xiii) **Others** : The Tenderer are required to give an undertaking that any modification and alternative as issued by the Govt.of India, Ministry of Non-Conventional Energy Sources from time to time till expiry of AMC/CMC/period shall be binding on them.
- xiv) **Cross Check the performance of the System** : (1) During the Warranty period the Govt.of India, MNRE/State Agency/Users reserve the right to cross check the performance of the systems with the minimum performance levels specified in the MNRE specifications.
4. **Technical Specification** : The Technical Specifications of system shall have to be furnished in all respect as per the specifications laid down below. Submission of Test Report of the Systems without furnished the below specification shall be automatically rejected :-
- A. **BATTERY:**
- i) Type of Battery _____
- ii) Make _____
- iii) AH capacity _____
- iv) Efficiency _____
- v) Battery rating _____
- vi) Separator materials _____
- vii) Discharge rate _____
- viii) Battery Box material _____
- ix) Sl.No. & Date _____



B. **DUTY CYCLE :**

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

C. **MODULE :**

- i) Make _____
- ii) Type of Module _____
- iii) Efficiency _____
- iv) Maximum Wattage _____
- v) Operating voltage _____
- vi) Sl.No. & Date _____

D. **LAMPS :**

- i) Make _____
- ii) Type of Lamp _____
- iii) Light Output _____

E. **ELECTRONICS :**

- i) Name of Manufacturer _____
- ii) Model/Type No. _____
- iii) Ideal current _____
- iv) Total Electronics 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 over charge or deep
discharge provided _____
- ix) Prevention of current provided _____
- x) Full protection an open circuit
accident, short circuit &
polarity provided _____



F. **MECHANICAL :**

- i) Type of Frame Stand _____
- ii) Provision to adjustment inclination for installation the specified tilt angle _____
- iii) Pole _____

5. **BIDDING SCHEDULED :**

Sl. No.	Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1.	Supply of 74 Wp SPV Street Lighting System with 12V, 75 AH complete system FOR Shillong.	Nos/System	1000		
2.	Local transportation per system	Nos/System	1000		
3.	Installation & commissioning	Nos/system	1000		
4.	AMC/CMC for 3 years after expiry of warranty period per system.	Nos/system	1000		
	TOTAL				

(Rupees _____)only.

Signature & Seal of the Authorized
Person of the firms.

