

# **TENDER BID DOCUMENT**

## **TENDER**

**for**

**Design, supply, installation & commissioning of 20 Nos. LED solar street lighting systems at Raj Bhavan, Imphal, Manipur by Renovation of existing 20 Nos. solar street lighting systems including 5 years Maintenance and Performance Warranty Contract (MPWC).**

**NIB No. MANIREDA/SLS/SADP/2019-20/15**

**Under**

**Jawaharlal Nehru National Solar Mission  
Of  
The Ministry of New and Renewable Energy**

**For the Year 2019- 20**

### **Manipur Renewable Energy Development Agency (MANIREDA)**

2<sup>nd</sup> Floor, South Block, Secured Office Complex, A.T. Line, Near Hotel Imphal, Imphal-795001

Tele Fax : 0385-2421594, e-mail : [manireda99@yahoo.com](mailto:manireda99@yahoo.com), Website : [www.manireda.com](http://www.manireda.com)

(This tender document is having 28 pages including this page)

Cost of bid document: Rs. 500/-

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No. : MANIREDA/SLS/SADP/2019-20/15

Date: 5/08/2019

**NOTICE INVITING BID**

Offline tenders are invited from eligible MNRE accredited channel partners/firms of Grid connected Solar Photo Voltaic (SPV) power plant programme for Renovation of existing 20 Nos, of LED solar street lighting systems at Raj Bhavan, Imphal, Manipur

<b>Tender Specification No.</b>	<b>Cost of Bid Document</b>	<b>Pre-Bid discussion</b>	<b>Last date &amp; time for submission of Tender</b>
NIB No. MANIREDA/SLS/SADP/2019-20/15 dtd. 5/8/2019	Rs. 500/-	11.00 a.m. 26/08/2019	2/9/2019 upto 12.00 Noon Sharp

Tender Document can be downloaded from the website [www.manipur.gov.in](http://www.manipur.gov.in) or [www.manireda.com](http://www.manireda.com). Bidders have to submit the Bids to the office of MANIREDA.

Last date & time of submission of Bid is 12.00 Noon of 2<sup>nd</sup> of Sept., 2019

Sd/-

(L. Manglem Singh)  
Director, MANIREDA



### 3. Detailed Notice Inviting Bid (DNIB)

#### **Manipur Renewable Energy Development Agency (MANIREDA)**

2<sup>nd</sup> Floor, South Block, Secured Office Complex, AT Line, Near Imphal Hotel, Imphal-795001

Ph. : 0385-2421594, Fax : 0385-2421594, e-mail : manireda99@yahoo.com

Website : [www.manireda.com](http://www.manireda.com)

NIB No. : MANIREDA/SLS/SADP/2019-20/15

Date: 5/08/2019

Sub : Renovation of existing 20 Nos, of WLED solar street lighting systems at Raj Bhavan, Imphal, Manipur.

Dear Sir/Madam,

Manipur Renewable Energy Development Agency (MANIREDA), Imphal is inviting offer from eligible empanelled Channel Partners of MNRE for the above work with the best binding price offer as per specifications and terms & conditions mentioned in the bid document. Salient features of the bid document are given below:

### **CHAPTER – I: ABOUT THE BID AND ITS SUBMISSION PERIOD:**

#### **1. Bid Document**

1.1 NIB No. : MANIREDA/SLS/SADP/2019-20/15 dated 5/08/2019.

1.2 This Bid Document comprises of total 28 pages including Proformas. In addition, any other documents/ instructions/amendments/revisions issued by MANIREDA to the bidder till the due date of opening of the bids shall also be deemed to be the integral part of the bid document. Failure to furnish all the information as per the bid document in every respect will be at the bidder's risk.

1.3 The Technical Bids and Financial Bids will be opened on the date and time mentioned in the tender website in the **Office of the Director, MANIREDA, 2<sup>nd</sup> Floor, South Block, Secured Office Complex, AT Line, Near Hotel Imphal, Imphal** in presence of bidders or their authorized representatives. The representative should produce authorization letter to attend the bid opening meeting in the Proforma - 2.

#### **2 Cost of Bid Document**

2.1 Bidders can download the Bid Document from MANIREDA's website ([www.manireda.com](http://www.manireda.com)) and submit the cost of the bid document amounting Rs 500/-,(Non Refundable), along with Technical Bid.

#### **3. Earnest Money Deposit (EMD)**

3.1 EMD for an amount of Rs. 15,000/- shall be submitted alongwith the technical bid in the form of Demand Draft from a Nationalised Bank/scheduled bank of requisite value in favour of Director, MANIREDA payable at Imphal.

3.2 Bidders failing to submit EMD will be rejected.

3.3 EMD shall be returned to all unsuccessful bidders in technical evaluation, within three weeks.

3.4 No interest will be paid on EMD.

3.5 EMD shall be forfeited if –

3.5.1. Any bidder withdraws his bid during the validity period of the bid.

3.5.2. The successful bidder fails to furnish his acceptance of the Order within fifteen days of placement of Work Order by MANIREDA.

3.5.3. The bidder fails to successfully complete the work within the stipulated time frame. Delay in completion due to extreme and unavoidable situations will have to get approved by Director, MANIREDA.

#### 4. Exemption of Tender Fee and Earnest Money Deposit (EMD)

Cost of Bid Document and Earnest Money Deposit (EMD) will not be exempted for any Firm since in previous Tender, the successful Firm (after exempting EMD for MSME Firms) backed out without executing the Work and Tender had to be floated again.

#### 5. Submission of Bids:

This is offline Tender so Bidders are not required to upload the Bid in the E-tender website.

**Bidders shall have to submit the Bids offline in Hard copies** at the office of MANIREDA within the stipulated time mentioned in Sl. No. 4 in "Bid at a Glance".

- 5.1 Bidders are advised to submit their bids strictly based on the specifications, terms and conditions contained in the bid document and subsequent revisions/amendments, if any.
- 5.2 **Only 1(one) Hard copy of Bid shall be submitted by each Bidder in Hard Bond or Spiral Binding.** The bid shall be prepared and submitted by typing or printing in English with indelible black ink on white paper in consecutively numbered pages duly signed by the authorized signatory with company seal affixed on each page. Any part of the bid, which is not specifically signed by the authorized signatory and not affixed with company seal, shall not be considered for the purpose of evaluation.
- 5.3 Total number of pages should be clearly mentioned and certified by competent authority.
- 5.4 Original copy of bid document, amendments/revisions to bid document, including minutes of meeting(s), issued by MANIREDA, if any, shall be signed and submitted along with the bid.
- 5.5 All the Proformas must be on the bidder's official letterhead. Any change in wording of the Proforma will lead to rejection of the bid application.
- 5.6 The offer shall contain no erasures or overwriting except as necessary to correct errors made by bidder. Such corrections, if any, shall be initialed by the person signing the offer.
- 5.7 The Bid Documents should have proper paging and flagging of Annexures/details. Documents without proper binding and proper paging etc. will not be considered in the evaluation. Any Overwriting /illegible/erasing, etc. in the documents submitted by the firms shall not be accepted.
- 5.8 Insertion, post-script, addition and alteration in Hard Copy shall not be recognized unless confirmed by bidder's signature and stamp.
- 5.9 MANIREDA reserves the right to reject part or whole of the bid/order without assigning any reason thereof, postpone the date of receipt and opening of the bids or cancel the bid without bearing any liability, whatsoever, consequent upon such decision.
- 5.10 Attestation of various documents enclosed along with the offer must be done by a competent authority or by the Proprietor of the Firm.

#### 6. Mode of Submission of Bids: Bidders have submit the Bid as Hard copy as stated below:

##### 6.1 The bidder shall submit;

- (i) Scanned copy of Tender Fee and scanned copy of Earnest Money Deposit (EMD)
- (ii) Forwarding Letter- Proforma -1
- (iii) Authorization letter for attending Bid Opening Meeting - Proforma-2
- (iv) Information about the Bidding Firm- Proforma-3
- (v) Details of Orders Received and Executed in Past 3 years (Grid connected SPV Power Plants only) -Proforma-4
- (vi) Document for being valid Channel Partner of MNRE for Grid connected Solar power plants under JNNSM with credit rating
- (vii) Test Reports of components like Grid connected string Inverter/PCU, Energy meters, Luminary, VRLA battery for SSLs etc. from approved/competent testing centres.
- (viii) Bidders should have installed and commissioned at least one 50 kWp capacity of Grid connected SPV Power plant whose work order issued in the name of the bidder to Govt. aided/Govt. Deptt./Institutions/Private Institution.
- (ix) A summarized sheet of turnover for last 3 yrs certified by registered Chartered Accountant.
- (x) Letter of authorized dealer/service provider registered as per MVAT Act in Manipur

- (xi) ISO 9001 certificate
  - (xii) ISO 14001 certificate.
  - (xiii) Registration Certificate of Company/Firm.
- 6.2 The hard copy of Technical Bid should be submitted in a sealed envelope superscribed "NIB No.: MANIREDA/SLS/SADP/2019-20/15 (Technical Bid)", to the office of MANIREDA, 2<sup>nd</sup> Floor, South Block, Secured Office Complex, AT Line, Near Hotel Imphal, Imphal-795001 addressed to Director, MANIREDA. This envelope should contain the following:
- (i) Cost of bid document.
  - (ii) Original earnest money by demand Draft of requisite value.
  - (iii) Technical Bid should not contain price of any item. Such cases, even if found anywhere, shall not be given any cognizance.
- 6.3 The hard copy with earnest money and cost of tender document has to be submitted during the period upto 12 noon of 2<sup>nd</sup> September, 2019 failing which no late comers would be strictly entertained.

## **7.0 Pre-Bid Discussion & Authority of Person Signing the Documents**

- 7.1 A Pre-Bid Meeting will be held at the Office of Director, MANIREDA, on the designated Date and Time mentioned in 'Bid at a Glance' on Page No.4 of this Bid Document. All the prospective Bidders are to attend this Pre-Bid Meeting without fail.
- 7.2 In the Pre-Bid discussion, the following points shall be discussed:
- a) Scope of Work and necessary Plant & equipments to be installed,
  - b) Smooth implementation of the project, etc.
- 7.3 **All the Bidders are requested to attend this Pre-Bid Meeting to familiarize the scope of work to be executed. Any complaints afterwards from the Bidders who do not attend the Pre-Bid Meeting shall not be entertained.**
- 7.4 If the terms and conditions of the NIB require improvement, modifications may be made depending on the outcome of the Pre-Bid Meeting.
- 7.5 The Bidders should furnish the Authorization letter as per Proforma – 2 with the seal of the company for the person attending the Bid Opening meeting & signing the bid document.
- 7.6 A person signing the bid document or any document forming part of the bid document shall be deemed to warrant that he has authority to bind such offer/ document and if on enquiry it appears that the person signing had no authority to do so, MANIREDA may, without prejudice to other civil and criminal remedies, cancel the bid/contract and hold the signatory liable for all costs and damages.

## **CHAPTER – II: ELIGIBILITY CRITERIA**

### **8.0 Eligibility and Qualification Criteria**

- 8.1 The bidder should be:
- A Registered Company/Firm/Corporation in India with supporting documents. Cumulative Experience of the Bidders should be of executing contracts of Grid connected Solar Power Plants (installed & commissioned). The Bidders should have designed, supplied, installed & commissioned Solar Street Lighting systems. with Work Order awarded in Bidder's Name/Firm. (Copies of work orders alongwith Project Completion Certificate from the Institutions must be enclosed to support the cumulative experience).
- 8.2 The bidder should be an MNRE accredited Channel Partner having credit rating (from MNRE Accredited Rating Agency).
- 8.3 Bidder should have Test Certificate for the components of Solar Street lighting systems like PV module, Battery, luminary etc. from an approved/competent testing centres as per requirements under the JNNSM scheme of the MNRE, GOI.
- 8.4 The Bidder should have valid CST /State VAT/ TIN registration certificate. A copy of which should be enclosed.
- 8.5 Cumulative Turnover of the Company/Firm/ Corporation in the last three financial years (2015-16,

2016-17 & 2017-18) should be at least **2.00 crores**. This must be the individual Company's turnover and not that of any group of Companies. (A summarized sheet of turnover certified by registered CA should be compulsorily enclosed)

- 8.6 The Bidder should have registered office/authorized dealer/service network in Manipur as per MVAT Act 2005. Details of the authorized dealer viz. name, address, contact no. both mobile and landline, e-mail ID etc. should be enclosed.
- Bidders who do not have service network in Manipur should be willing to appoint within 15 days from the date of Work Order and the details should be submitted. A self declaration on the same should be submitted with the Bid document.
  - Trained manpower, proper infrastructures with adequate spares should be maintained in the office for smooth execution of MPWC.
- 8.7 The bidder should have ISO 9001 certification
- 8.8 The bidder should have ISO 14001 certification.

## **CHAPTER – III: SCOPE OF WORK**

### **9.0 Scope of Work**

- 9.1 Scope of work as mentioned in the 'Bid at a Glance'. MANIREDA reserves the right to amend the scope of work, accept or reject any or all the offers/bids, in part or in full or cancel/withdraw the invitation for bids without assigning any reasons whatsoever and in such case, the bidder/intending bidder shall have no claim arising out of such action.
- 9.2 The Bidder shall carefully check the specifications and shall satisfy himself regarding the technical requirement and completeness of the equipment/system. MANIREDA shall examine whether the bid is complete in all respects and conform to the stipulated requirement of the technical specifications and tests reports. The bid having material deviation shall be rejected as being non-responsive. If any amendment in specification is made by MNRE during implementation of this project, the same shall be followed by MANIREDA.
- 9.3 The bidders should beforehand thoroughly familiarized with the sites to be installed, incidental expenditures/ charges on transportation, installation and maintenance expenses etc. They should also access the local conditions including prevailing law and order problems before submitting their offer. Any claim on change/ increase in the rate/price/cost of the work due to any reason will not be entertained at any circumstances.
- 9.4 MANIREDA, if required, may at its discretion obtain clarifications on offers by requesting clarifications from any or all the bidders at any time prior to Financial Bid opening. Such request for clarification and the response shall be in writing.
- 9.5 It is not necessary to select the lowest quoted rate. MANIREDA reserves the right to decide the reasonable price/rate for successful implementation of the project.
- 9.6 The Financial Bid of only those bidders, whose Technical Bids are found qualified after evaluation, will be opened and evaluated. In case of deviation in the date and time of opening of the Financial Bid from what is given in the Bid Detail, the date & time for opening of the Financial Bid will be uploaded on MANIREDA website. Bidders are requested to visit the website ([www.manireda.com](http://www.manireda.com)) regularly and keep themselves informed.
- 9.7 The bidders shall be ranked L1, L2, L3 etc.as per the Total Price (P). The work order will be issued subject to the acceptance of the bidders to supply at approved rate. MANIREDA reserves the right to award more than one firm for execution.

### **10.0 Price**

- 10.1 **The Bidder shall quote price as per Proforma - 8.** Price quoted shall be firm & binding and shall not be subject to any variation whatsoever, on any account except for statutory variation on taxes & duties during contractual completion period.



## CHAPTER – IV: PAYMENT TERMS

### 11.0 Terms of Payment

- 11.1 20% of the total work order value (excluding installation, commissioning and MPWC cost) shall be released as mobilisation advance against the submission of Bank Guarantee of equivalent amount from a Nationalised Bank/ Scheduled Bank valid at least for a period of 6 months after verification subject to availability of fund. The mobilisation advance so paid shall be interest bearing @ 9% per annum effective from the day on which advance payment is made.
- 11.2 50% of the total work order value (excluding installation, commissioning and MPWC charges) or 70% if the mobilisation advance is not taken for each bill shall be released against delivery of goods in full and in good condition subject to availability of fund and after submission of :-
- 11.2.1. Certificate of supply of grid connected solar power plant received by the consignee as specified.
- 11.2.2. Commercial invoice of the supply made in triplicate.
- 11.2.3. Copy of delivery challan/transportation challan/lorry receipt
- 11.2.4. Material Inspection Certificate.
- 11.3 Remaining 30% of the contract price (excluding installation, commissioning and MPWC charges) and 100% of installation, commissioning charges shall be paid against duly verified completion report with successful installation and commissioning including erection and testing of the systems after submission of the following documents:
- 11.3.1. Certificate of installation, commissioning, integration to grid and testing of grid connected solar power plant.
- 11.3.3. Commercial invoice of the supply made in triplicate.
- 11.3.4. Copy of delivery challan/transportation challan/lorry receipt.
- 11.3.5. Verification of Certificate of Commissioning and testing from the consumer/ beneficiary countersigned by officer concerned.
- 11.3.6. Photographs along with details of module, inverter/PCU, metering etc. installed.
- 11.3.7. All payments shall be released by MANIREDA through e-payment through RTGS/account transfer for which the following mandatory information is to be furnished from the consumer;

Name of the Firm to whom payment is to be made	Name of bank	Bank Branch address	Account Number	Type of account	MICR Code	IFSC code	PAN No.
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### Performance Guarantee

- 11.4 The contractor has to deposit **@5% of the project cost (excluding MPWC cost) as Performance Guarantee in terms of irrevocable Bank Guarantee for the tenure of the contract including MPWC period.** For the successful bidders, the EMD submitted may also be adjusted as part of the Performance Guarantee, but the firm has to submit the balance in the form of BG to make requisite 5% Performance Guarantee. If the Solar system fails to conform to the laid down systems specifications or any deviation/compromise has been observed in the system specifications etc., the performance guarantee deposit of the firm shall be forfeited.
- 11.5 MPWC charges shall be released on 5 equal yearly installments on satisfactory performance. The record of performance sheet/metering system duly attested by the Beneficiaries shall be submitted to MANIREDA on quarterly basis, by 15th of the next month.

## CHAPTER – V: GENERAL TERMS AND CONDITIONS

### 12.0 No Claim or Compensation for Submission of Tender.

- 12.1 The bidder whose bid is not accepted shall not be entitled to claim any costs, charges, expenses and incidental incurred by him through or in connection with his submission of bid, even though MANIREDA may decide to withdraw the notice inviting bid.

### **13.0 Validity of Offer**

13.1 Unless otherwise specified, the bidder shall keep his tender valid initially for a period of 365 days from the due date of submission of the offer.

### **14.0 Award of Contract/Work Order**

14.1 The contract/work order shall be awarded to the bidder whose financial Bid was acceptable and who is selected by the Tender Committee of MANIREDA/Departmental Tender Committee to undertake the work at the approved rate and on approval of the Chairman, MANIREDA.

### **15.0 Effective Date of Contract**

15.1 The effective date of commencement of execution of the order by the selected contractor shall be the date of issue of the Purchase/Work Order whichever is earlier.

### **16.0 Contract Price**

16.1 The total contract price should include a detailed break up of cost for supply of each materials such as control electronics, inverter, energy meter, mechanical components, etc. including 5 years MPWC in Proforma – 9. The price shall be for the total scope as defined in this document.

16.2 The income tax shall be deducted as applicable at the existing rate.

16.3 During the period of the contract, MANIREDA may order addition/deletion in quantities/capacities which the bidder shall comply. The adjustment in Contract Price shall be made at the same unit rate as per **Price Schedule (Proforma – 8)**.

### **17.0 Statutory Variations in Taxes and Duties:**

17.1 The adjustment in the Contract Price towards imposition of new taxes or abrogation of existing taxes due to statutory variation shall be applicable only if the new tax is enacted or existing tax is abrogated within contractual delivery/execution period. For any upward variation due to enactment of new tax or abrogation of existing tax after contractual delivery/execution period, adjustment in the Contract Price shall not apply, although for any downward variation, MANIREDA shall make necessary adjustment in the rate of the items.

17.2 The Supplier shall bear and pay all liabilities in respect of statutory variations in taxes and duties and imposition of new taxes and duties that may be imposed after the contractual delivery/execution dates, as originally stipulated, in case the delivery dates are extended due to reasons attributable to Supplier.

### **18.0 Agreement:**

18.1 The Supplier/Contractor(s) have to enter into an agreement within two weeks, in the office of the Director, MANIREDA in prescribed format before commencement of supply/services.

### **19.0 Dispatch Instructions:**

19.1 All items/equipments may be subjected to pre-dispatch inspection by Director, MANIREDA or its authorized representative(s) as per relative standards/provisions approved by MANIREDA before dispatch of items. Cost of inspection by officials (not more than two) would be borne by the successful bidder.

### **20.0 Transit Insurance:**

20.1 Transit Insurance shall be arranged by the Supplier for his total supplies. In case of any damage/loss/pilferage/non-delivery during transit, the Supplier shall lodge the claim and settle the claim with the insurance agency. The Supplier shall also arrange replacement of the damaged, lost/pilfered items expeditiously pending settlement of commercial implications with insurance agency, if any, so as not to hamper the working of the system. The resultant loss if any due to failure of Supplier to comply with the above shall be to the account of the Supplier.

### **21.0 After Sales Service and Availability of Spare Parts:**

21.1 The Supplier shall depute authorized Service Engineer within 3 days from the date of the intimation of fault, and establish sufficient inventory of spares, well trained technicians in the State in consultation with MANIREDA to provide satisfactory and uninterrupted services during the guarantee/ MPWC period for which a servicing centre must be established at Imphal. Address, contact number etc. of the Servicing centre must be submitted before commencement of the work.

### **22.0 Completion Schedule:**

22.1 The Project shall be completed in full as per the terms and conditions of the contract within 4 **(Four) months** from the date of issue of the Work Order.

### **23.0 Guarantee/Warranty Period:**

23.1 The manufacturer must provide guarantee which include servicing & replacement guarantee for parts and components (such as electronics, inverters, meters etc.) of grid connected rooftop Solar Power Plant for 5 (five) years. For PV modules, it must be warranted for its output peak watt capacity, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years from the date of commissioning the SPPs at site & demonstration of performance to the consignee/MANIREDA.

24.2 The guarantee card to be supplied with the systems must be in original and contain the details of the system supplied as given in the Proforma - 6. The manufacturers can also provide additional information about the system and condition of guarantee as necessary.

24.3 Supplier/contractor shall without prejudice to any other clauses of the order repair/replace the defective parts and restore the system to satisfactory working/performance within 7(seven) days of intimation of fault without any additional cost to MANIREDA within the period of guarantee/MPWC.

### **25.0 Assignment/Sub Letting/Pre Bidding Tie Up:**

25.1 The Supplier/contractor shall not assign or sub let, manufacture, shop testing, packing & forwarding, transportation, transit insurance and supply, in whole or part, its obligations to any third party to perform under the order/contract.

25.2 In the event the Supplier contravenes this condition, MANIREDA reserves the right to reject the equipment/work sub-contracted and procure the same from elsewhere at Supplier's risk and cost. The Supplier shall be solely liable for any loss or damage which MANIREDA may sustain in consequence or arising out of such replacing of the contract work.

25.3 In case, the installation & commissioning and MPWC is planned to be carried out in collaboration with other party, the bidder has to sign MoU with the party on a Non-judicial stamp paper of value not less than Rs. 100/- and submit a copy of the MoU along with the bid. The MoU shall clearly indicate division of scope of work between the prime bidder and his sub-vendor and terms of payment. However, the total responsibility of work will remain with the prime bidder.

### **26.0 Liquidated Damages for Delay in Completion:**

26.1 The completion period for the assignment must carefully be worked out and all resource & work planning is to be done accordingly with flexibility for adjustments.

26.2 If the Supplier fails in the due performance of the contract to deliver and commission any part of the equipment or complete the work within the scheduled date for any reason other than due to Force Majeure conditions or any extension thereof granted to him by MANIREDA, he shall be liable to pay to MANIREDA as pre-agreed liquidated damages but not by way of penalty on account of delayed successful commissioning, a sum equal to 0.1% of total contract value per week of such delay, or part thereof, subject to maximum of 5% of the Total Contract Value.

26.3 The liquidated damages for delayed completion shall be recovered from the Supplier's Bill / Bank

Guarantee deposited as Performance Guarantee.

26.4 Deductions/payment of liquidated damages shall in no way relieve the Supplier from his contractual responsibility to complete the works.

**27.0 Cancellation of Order :**

27.1 MANIREDA will be at liberty to terminate in part or full the awarded contract without prejudicing its rights and affecting the obligations of the Contractor by giving seven (7) days notice in writing in the following events:

- (a) If the Supplier is found defaulter for delayed supply or failure to deliver satisfactory performance or supply of substandard materials pursuant to NIB conditions.
- (b) If the Supplier/Vendor fails to comply with the provision(s) of the contract including the responsibilities to fulfill the 5 years maintenance and performance warranty contract as per the provisions mentioned in this bid document.
- (c) If the Supplier/Vendor is involved in any action of moral turpitude.

**28.0 Arbitration :**

28.1 All disputes or differences, whatsoever, arising between the parties out of or in relation to the construction, meaning and operation or effect of this contract or breach thereof shall be settled amicably.

28.2 If, however, the parties are not able to resolve them amicably, the same shall be settled by arbitration in accordance with the Rules of Arbitration of the Indian Council of Arbitration and Conciliation & Arbitration Act 1996 and the award in pursuance thereof shall be binding on the parties.

28.3 The venue of arbitration proceeding shall be within Jurisdiction of Court of Law at Imphal only.

28.4 Work under this contract shall be continued by the Supplier during the arbitration proceedings, unless otherwise directed in writing by MANIREDA or unless matter is such that the work cannot possibly be continued until the decision of the Arbitrator is obtained.

**29.0 Force Majeure :**

29.1 Should at any time during the continuance of the contract the performance in whole or in part of any obligations by either party under this contract be held up by reasons of any war, hostility, acts of foreign enemy, civil commotion, sabotage, fires, floods, earthquakes, explosions, epidemics, cyclones, quarantine restrictions, Governmental regulations, law & order and other proclamation etc. (hereinafter referred to as "Events") then, provided notice of the happening of any such eventuality is given by either party to the other within 15 days from the date of occurrence thereof neither party shall, by reasons of such eventuality, be entitled to terminate this contract, nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance, and the work under this contract shall be resumed as soon as practicable after such eventuality has come to an end or ceased to exist.

29.2 Should one or both the parties be prevented from fulfilling their contractual obligations by a state of force majeure, lasting continuously for a period of at least four (4) weeks, the two parties should consult each other regarding the further implementation of the contract.

29.3 The above-mentioned force majeure conditions/clause shall also apply in the works of sub-contractors/suppliers of the contractor.

29.4 However, the Supplier shall not be liable for liquidated damages or termination/cancellation of order/contract if and to the extent that its delay in performance or other failure to perform its obligations under the contract is the result of an event of force majeure.

## CHAPTER – VI: TECHNICAL SPECIFICATIONS

The proposed projects shall be commissioned as per the technical specifications given below. Any shortcomings will lead to cancellation of subsidy in full or part as decided by MANIREDA & Competent Authority's decision will be final and binding on the bidder.

### SOLAR STREET LIGHTING SYSTEM

**DEFINITION:** A stand alone solar photovoltaic street lighting system comprises a compact fluorescent lamp, lead acid battery, PV module(s), control electronics, inter-connecting wires/cables, module mounting hardware, battery box, Operation, instruction and maintenance manual.

#### 1. DUTY CYCLE

The system should be designed to automatically switch ON at dusk, operate throughout the night and automatically switch OFF at the dawn. Motion Sensor within 12 meter radius from the street lighting systems should be incorporated.

#### 2. SPV MODULE (S)

Existing SPV Modules will be used. But each and every solar module shall have to be cleaned. The SPV modules should be free from grime and dirt before commissioning of the systems.

#### 3. LAMP

**White LED of capacity 12V 55Watt integrated solar luminaries (20 Nos.) shall be installed.**

#### 4. BATTERY

- (i) **Lithium Ferro Phosphate (LiFePO<sub>4</sub>) Battery. (20 Nos.) shall be installed.**
- (ii) The battery will have a minimum rating of 12V, 150 Ah (at C/10) discharge rate.
- (iii) 75% of the rated capacity of the battery should be between fully charged & load cut off conditions.

#### 5. ELECTRONICS

- (i) Motion Sensor within 12 meter radius from the street lighting systems should be incorporated. The inverter should be of quasi sine wave/ sine wave type, with frequency in the range of 20 - 30 KHz. Half-wave operation is not acceptable.
- (ii) The total electronic efficiency should be not less than 80%.
- (iii) No blackening or reduction in the lumen output by more than 10% should be observed after 1000 ON/OFF cycles (two minutes ON followed by four minutes OFF is one cycle).
- (iv) The idle current consumption should not be more than 10 mA.
- (v) The PV module itself will be used to sense the ambient light level for switching ON and OFF the lamp.

#### 6. ELECTRONIC PROTECTIONS

- (i) Adequate protection is to be incorporated under no load conditions e.g. when the lamp is removed and the system is switched ON.
- (ii) The system should have protection against battery overcharge and deep discharge conditions.
- (iii) Fuses should be provided to protect against short circuit conditions.
- (iv) A blocking diode, should be provided as part of the electronics, to prevent reverse flow of current through the PV module(s), in case such a diode is not provided with the solar module(s).
- (v) Full protection against open circuit, accidental short circuit and reverse polarity should be provided.
- (vi) Electronics should operate at 12V and **should have temperature** compensation for proper charging of the battery throughout the year.

## **7. MECHANICAL HARDWARE**

Existing Mechanical Hardware will be used.

## **8. OTHER FEATURES**

- (i) The system should be provided with 2 LED indicators: a green light to indicate charging in progress and a red LED to indicate deep discharge condition of the battery. The green LED should glow only when the battery is actually being charged.
- (ii) Motion sensor within 12m radius should be provided.
- (iii) Necessary lengths of wires/cables and fuses should be provided

## **CHAPTER-VII : FIVE YEARS MAINTENANCE & PERFORMANCE WARRANTY CONTRACT (MPWC)**

### **The Maintenance and Performance Warranty Contract (MPWC)**

- a. After the works are awarded to the successful Bidder/Bidders, he/they enter into a Maintenance & Performance Warranty Contract (MPWC) with MANIREDA which includes the scope of operation and maintenance of the SPV Power Plant for a period of 5(five) years. The date of MPWC period shall begin from the date of actual commissioning of the Solar Power Plant. The Maintenance & Performance Warranty Contract shall include servicing & replacement guarantee for parts and components (such as electronics, PCU/Inverter, etc.) of Solar Power Plant for 5 years from the date of installation. For PV modules, the replacement guarantee is for 20 years.
- b. The Contractor should keep a trained person permanently (present round the clock) for day today operation, troubleshooting, maintenance etc. at the SERVICE CENTRE for attending any fault as and when occurred.
- c. The maintenance service provided shall ensure proper functioning of the grid connected rooftop SPV Power Plant as a whole. All preventive/routine maintenance and breakdown/corrective maintenance required for ensuring maximum uptime shall have to be provided by the Contractor. MANIREDA will provide the format of Maintenance sheet for submitting the Performance Report quarterly. The Contractor shall furnish a Performance Report duly attested by the Beneficiary alongwith the hard copy/printout of the daily performance data of the Plant for every quarter (3 months) shall be submitted to MANIREDA quarterly within 15<sup>th</sup> day of following month during the MPWC period. The Maintenance and Performance Warrantee Contract (PWMC) shall have two distinct components as described below.

### **2.0 Preventive/Routine Maintenance**

- 2.1 This shall include activities such as, cleaning and checking the health of the SPV Power plant, cleaning of module surface, tightening of all electrical connections, changing of tilt angle of module mounting structure, and any other activity that may be required for proper functioning of the SPV Power Plant as a whole.

### **3.0 Breakdown/Corrective Maintenance**

- 3.1 Whenever a complaint is lodged by the consumer, the bidder shall attend to the same within a reasonable period of time 3 days and in any case the breakdown shall be corrected within a period not exceeding 7 days from the date of complaint.
- 3.2 The bidder shall maintain the following facilities at the local Service Centre for ensuring highest level of services to the end user;
  - (i) Adequately trained manpower, specifically trained by the bidder for carrying out the service activities.
  - (ii) Adequate provisions for record keeping, which shall inter-alia, include the following:



- (a) Details of system supplied within the command area of the service station including full name and address of consumer, system and sub-system serial numbers and records of routine maintenance carried out (duly signed by the consumer). These records shall include voltage, current, specific gravity, indicator charge, full glow, inverter operation, electronics, etc.
  - (b) History record sheets of maintenance done.
  - (iii) Adequate spares and manpower for ensuring least down time of an individual system.
  - (iv) The Service Center shall send summary service reports to MANIREDA on quarterly basis. These reports shall include the following information:
    - (a) Number/Type of components of the Plant covered by the Service Center.
    - (b) Number/Type of components/systems working satisfactorily on the reporting date.
    - (c) Number of complaints received during the period of reporting.
    - (d) Number of complaints attended during the period of reporting.
    - (e) Major cause of failure, as observed
    - (f) Major replacement made during the reporting period. Separate report shall be submitted for each type of systems manufacture wise in case the service center caters to the requirement of more than one manufacture
    - (g) Hard copy/printout of the daily performance data of the Plant for the last quarter.
- 3.3 The records maintained at the Service Center shall be available from time to time to MANIREDA.
- 3.4 The date of MPWC maintenance period shall begin on the date of actual commissioning of the SPV systems. If during the MPWC period, the Solar Power Plant becomes non-functional due to any defect or shortage of spares etc. for a period more than 1 week then the time duration of this non-functional period will be extended in the MPWC period.
- 3.5 Any payment for release of MPWC charges will not be entertained or put up to Higher Authority of MANIREDA without the Performance Report duly attested by the authority of Beneficiary.
- 3.6 Bidder shall furnish details of infrastructure that are presently available for establishing of Service Centers.

## 7. Proforma – 1

<b>Forwarding Letter</b>
--------------------------

NIB No.: MANIREDA/SLS/SADP/2019-20/15

Date:.....

To,

The Director  
Manipur Renewable Energy Development Agency (MANIREDA),  
2<sup>nd</sup> Floor, South Block, Secured Office Complex, AT Line, Near Imphal Hotel,  
Imphal - 795001.

**Sub:** Offer in Response to Notice Inviting Bid No. MANIREDA/SLS/SADP/2019-20/15 for;  
Design, supply, installation & commissioning of 20 Nos. LED solar street lighting systems at  
Raj Bhavan, Imphal, Manipur by Renovation of existing 20 Nos. solar street lighting  
systems including 5 years Maintenance and Performance Warranty Contract (MPWC).

Sir,

With reference to the above we are submitting this offer after having fully read and understood the nature of the work and having carefully noted all the specifications, terms & conditions laid down in the bid document. This offer is hereby submitted in sealed envelopes duly marked as indicated below:  
(Technical Proposal): Submitted in original

The Financial Proposal is submitted online in e-tender

We also confirm that:

1. We are an Indian company/firm.
2. We have never been debarred from executing similar type of work by any Central/ State/ Public Sector Undertaking/Department/Nodal Agency.
3. The Bid Document is downloaded from MANIREDA website and necessary document in support is enclosed.
4. We shall execute the offer/work order as per specifications, terms & conditions of the Bid Documents on award of work.
5. Our offer shall remain valid for placement of purchase orders up to 365 days from the due date of submission of offer.
6. If at any time, any of the declarations submitted by us is found to be false, our offer or order is liable to rejection.

Yours faithfully,

(Signature of Authorized Signatory)

Name :  
Designation :  
Company Seal :



8. Proforma – 2

**Authority Letter for Attending Bid Opening Meeting & Signing Bid Document**

NIB No.: MANIREDA/SLS/SADP/2019-20/15

Date:.....

To,

The Director

Manipur Renewable Energy Development Agency (MANIREDA),  
2<sup>nd</sup> Floor, South Block, Secured Office Complex, AT Line, Near Hotel Imphal,  
Imphal-795001.

**Sub: Authority Letter for Attending Bid Opening Meeting & Signing Bid Document.**

I hereby authorize ..... (Name & Designation) to attend the **Bid Opening Meeting & sign the Bid Document** (*tick wherever applicable or tick both, if same person is to attend*) to be held on..... at MANIREDA on behalf of our company.

He is also authorized to provide clarifications/confirmations, if any, and such clarifications/ confirmations shall be binding on the company. The specimen signature of ..... is attested below.

.....

(Specimen Signature)  
Name : .....  
.....

(Signature of Authorized Signatory)  
Name : ..... Designation:  
Designation : .....  
Company Seal :

Yours faithfully,

(Signature of Authorized Signatory)  
Name :  
Designation :

Note:

- 1. To be submitted by bidders on official letter head of the company.

### 9. Proforma – 3

#### Information about the Bidding Firm

NIB No.: MANIREDA/SLS/SADP/2019-20/15

Date:.....

SI.	Particulars			
1.	Name of the Bidder			
2.	Address of Bidder with Telephone, Fax, email			
3.	Address of the Registered Office			
4.	Address of the works			
5.	GPS Co-ordinate of Registered Office			
6.	GPS Co-ordinate of Factory Campus			
7.	Name & Designation of Authorized Signatory for Correspondence			
8.	Nature of Firm (Proprietorship/Partnership /Pvt. Ltd./Public Ltd. Co./Public Sector)			
9.	Permanent Account Number (PAN)			
10.	Firm's Registration Number			
11.	EPF Registration No. (if applicable)			
12.	Sales Tax/Value Added Tax Registration Number			
13.	Specify the Item Originally Manufactured			
14.	Year of Starting of Manufacturing/ Assembling of PV Component(s)			
15.	Installed Capacity for Solar Products/ Components/Plant			
16.	Total Production and Sale of PV Products During the Last Three Years (in Rupees)	2015-16	<b>Production</b>	<b>Sales</b>
		2016-17		
		2017-18		
17.	Name of Material and Model Type Offered			
18.	Name of Manufacturer of SPPs with Full Address			
	1.	SPV SPPs		
	2.	PV Module		
	3.	Control Electronics/Inverter/PCU		
19.	Particulars of Earnest Money			

20.	Quantity Quoted for Solar Power plant	
21.	Name of the Test Center where the testing of Components SPP has been performed	
22.	Test Report No. of components SPP mentioning date of test	
23.	Specify MNRE specification as in the test report	
24.	Place where Materials will be Manufactured	
25.	Place where Materials will be Available for Inspection	
26.	Whether the Bidder has submitted details with regard to supplies made to important organizations.	
27.	Details of any existing service network in Manipur (Name & address of service centre)	
28.	Other details and remarks, if any	

Yours faithfully,

(Signature of Authorized Signatory)

Name :  
 Designation : Company  
 seal :

(Separate sheet may be used for giving detailed information in seriatim duly signed. This bid proforma must be submitted duly signed in case separate sheet is submitted).

**10.Proforma – 4**

**Details of Orders Received and Executed in Past Years**

NIB No.: MANIREDA/SLS/SADP/2019-20/15

Date:.....

Details of Orders Received & Executed by the Manufacturer/Supplier for Supply of SPPs to SNA/  
Govt. Organization/ Govt. Deptt. during past Years.

Sl. No.	Name of Agency/ Organization	Purchase Order No., Date & Ordered Qty.	Name of Model	Delivery Schedule	Qty. Supplied Within Delivery Schedule	Qty. Supplied After Delivery Schedule	Date of Full Supply

Yours faithfully,

(Signature of Authorized Signatory with  
Name Designation & Company Seal)

Note:

- (a) Attach Photocopies of Purchase Orders
  - (b) Attach Photocopies of Certificate of Satisfactory Performance Issued by Concerned Agency/Organization
  - (c) Separate sheet may be used for giving detailed information in seriatim duly signed.
- This bid proforma must be submitted duly signed in case separate sheet is submitted

11.Proforma – 5

**No Deviation Certificate**

NIB No.: MANIREDA/SLS/SADP/2019-20/15

Date:.....

To,

The Director  
Manipur Renewable Energy Development Agency (MANIREDA),  
2<sup>nd</sup> Floor, South Block, Secured Office Complex, AT Line, Near Imphal Hotel,  
Imphal-795001.

Dear Sir,

We understand that any deviation/exception in any form from our bid against the above mentioned reference number may result in rejection of our bid.

We, therefore, certify that we have not taken any exceptions/deviations anywhere in the bid and we agree that if any deviation is mentioned or noticed, our bid may be rejected.

Yours faithfully,

Name : (Signature of Authorized Signatory)  
Designation :  
Company seal :

Note : This "No Deviation Certificate" should be written on the letter head of the bidder indicating BID No. duly signed and stamped with date by a person competent and having the power of attorney to bind the bidder.

**12. Proforma – 6**

<b>Format for Guarantee Card</b>
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NIB No.: MANIREDA/SLS/SADP/2019-20/15

Date:.....

(To be supplied by bidders on the official letter head of the company/firm)

**Guarantee Card**

	Name & Address of the Manufacturer/ Supplier of the System	
	Name & Address of the Purchasing Agency	
	Date of Supply of the System	
	Details of PV Module(s) Supplied in the System	
	Name of the Manufacturer	
	Make	
	Model	
	Serial No.	
	Wattage of the PV Module(s) under STC	
	Guarantee Valid Upto	
	Details of PCU/Inverter & Other BOS Items	
	Name of the Manufacturer	
	Make	
	Model	
	Serial No(s).	
	Month & Year of Manufacture	
	Guarantee Valid Upto	
	Energy Meters	Particulars and its configuration i) To be approved by CEA, ii) Prior approval from MSPDCL and MANIREDA to be accorded
	Designation & Address of the Person to be Contacted for Claiming Guarantee Obligations	

(Signature of Authorized Signatory with Name,  
Designation & Company Seal)

### 13. Proforma – 7

#### Format of Completion Certificate

Office of the  
**MANIPUR RENEWABLE ENERGY DEVELOPMENT AGENCY (MANIREDA)**

(An Autonomous Govt. Agency under the Department of Power)

2<sup>nd</sup> Floor, South Block, Secured Office Complex, A.T. Line, Near Imphal Hotel, Imphal – 795001, Phone: 385-2444027

#### TO WHOM IT MAY CONCERN

Imphal, dated .....

No.: 58/1/2009/SADP/MANIREDA/Pt-I: This is to certify that M/s ..... has Design, supply, installation & commissioning of 20 Nos. LED solar street lighting systems at Raj Bhavan, Imphal, Manipur by Renovation of existing 20 Nos. solar street lighting systems including 5 years Maintenance and Performance Warranty Contract (MPWC) as per the following:

Sl. No	Work Order No. & Date	Site Address	Type of System	Capacity	Qty.	Date of Completion
1.	58/1/2009/SADP /MANIREDA/Pt-I  Dated: .....	Raj Bhavan, Manipur.	Solar Street Lighting systems	1.1 kWp (55W x 20 Nos.)	20 Nos.	.....

Work Order Value	Rs. ....
Executed Work Value	Rs. ....

The installed grid connected SPV power plant and solar street lighting systems are working satisfactory.

(L. Manglem Singh)  
Director

Copy to:

- (i) M/s .....(Installing Firm)
- (ii) Guard file.

## 14. Proforma – 8

**Format for Submitting the PRICE SCHEDULE/FINANCIAL BID (To be submitted OFFLINE only) for; Design, supply, installation & commissioning of 20 Nos. LED solar street lighting systems at Raj Bhavan, Imphal, Manipur by Renovation of existing 20 Nos. solar street lighting systems including 5 years MPWC.**

NIB No.: MANIREDA/SLS/SADP/2019-20/15

Date : .....

To,  
The Director  
Manipur Renewable Energy Development Agency (MANIREDA),  
2<sup>nd</sup> Floor, South Block, Secured Office Complex, AT Line, Near Imphal Hotel,  
Imphal-795001.

### Price Schedule

Sl. No.	Item	Unit	Total Bid Qty.	Amount (Rs.)
1.	<b>Project Cost for Renovation of existing 20 Nos. of White LED Solar Street Lighting Systems (WLED)</b>	Sets	20	
2.	Materials Cost for Renovation of existing 20 Nos. of White LED Solar Street Lighting Systems (WLED) including Supply of 12V 55 Watt integrated solar luminary, 12V 150 Ah Lithium Ferro phosphate(LiFePO <sub>4</sub> ) battery, motion sensor within 12m radius, wiring materials & other accessories etc. <b>@ 70% of Sl. No.(1).</b>	Sets	20	0.7 x Sl. No.(1).
3.	Installing and Commissioning Cost for 20 Nos. of White LED Solar Street Lighting Systems (WLED) <b>@ 15% of Sl. No.(1).</b>	Sets	20	0.15 x Sl. No.(1).
4.	5 yrs. Maintenance and Performance Warranty Contract (MPWC) Cost for 20 Nos. of White LED Solar Street Lighting Systems (WLED) <b>@ 15% of Sl. No.(1).</b>	Sets	20	0.15 x Sl. No.(1).
5.	GST 5% on Sl. No.(2)	Sets	20	0.05 x Sl. No.(2).
6.	GST 18% on Sl. No. (3)	Sets	20	0.18 x Sl. No.(3).
7.	GST 18% on Sl. No. (4)	Sets	20	0.18 x Sl. No.(4).
8.	<b>Total Cost (Work Order Value to the Firm) (1+5+6+7)</b>	<b>Sets</b>	<b>20</b>	<b>(1+5+6+7)</b>
9.	<b>State Govt. Charges:</b>			
10.	Labour Cess @1% on Sl. No. (3)	Sets	20	0.01 x Sl. No.(3).
11.	Contingency Charge @3% on Sl. No. (3)	Sets	20	0.03 x Sl. No.(3).
12.	Contingency Charge @3% on Sl. No. (4)	Sets	20	0.03 x Sl. No.(4).
13.	Agency Charge @ 11.75% on Sl. No. (3)	Sets	20	0.1175 x Sl. No.(3).
14.	<b>Grand Total (8+10+11+12+13)</b>	<b>Sets</b>	<b>20</b>	<b>(8+10+11+12+13)</b>

**(SUBMIT THE FINANCIAL BID IN PHYSICAL FORM ONLY)**

Yours faithfully, (Signature of Authorized Signatory)

Name:  
Designation:  
Company Seal:



**15. Proforma- 9**  
(On the Letter Head of the Firm)

<b>PROFORMA OF APPLICATION FOR PAYMENT</b>
--

Unit Reference:	Date:
Name of Contractor:	Contract No.:
Contract Name :	
Application Serial Number. :	Contact Value :

To,  
The Director  
Manipur Renewable Energy Development Agency (MANIREDA),  
2<sup>nd</sup> Floor, South Block, Secured Office Complex, AT Line, Near Imphal Hotel,  
Imphal-795001.

Dear Sir,

**APPLICATION FOR PAYMENT**

Pursuant to the above referred Contract dated .....the undersigned hereby applies for payment of the sum of ..... (Specify amount and currency in which claim is made).

9. The above amount is on account of :[TICK whichever is applicable]
- Initial advance
  - Interim Payment as advance
  - Progressive payment against dispatch of equipment
  - Progressive payment against receipt of equipment at site
  - Progressive payment against Erection/installation & commissioning/testing
  - Ocean freight & marine insurance
  - Inland transportation
  - Inland insurance
  - Price adjustment
  - Extra work not specified in Contract  
(Ref. Contract Change order No.....)
  - Other (specify)
  - Final payment
- As detailed in the attached Schedule (S) which form an integral part of this application.
10. The payment claimed is as per item(s) No.(s) ..... of the payment schedule annexed to the above – mentioned Contract.
11. The application consists of this page, a summary of claim statement and the following signed schedule
- i).....
  - ii).....
  - iii).....
- The following documents are also enclosed
- a).....
  - b).....
  - c).....

Signature of Contractor/  
Authorised Signatory.

**16. Proforma-10**

**MATERIALS INSPECTION CLEARANCE CERTIFICATE (MICC)**

1. Name of the Work: Design, supply, installation & commissioning of 20 Nos. LED solar street lighting systems at Raj Bhavan, Imphal, Manipur by Renovation of existing 20 Nos. solar street lighting systems including 5 years Maintenance and Performance Warranty Contract (MPWC).
2. Name of Worksite/Location: Raj Bhavan, Imphal, Manipur.
3. Name of the Firm/Contractor: : .....
4. Work Order No.: ..... dated .....
5. Shipment No.....
6. Date shipped:.....,
7. Shipped From .....
8. Shipped To Imphal

SL. No.	Item Description	Qty./ system	Invoice No. & date	Challan No. & date	Make	Unit price	Amount	Remarks
1	2	3	4	5	6	7	8	9

**9. Enclosed documents:** Packing List with model numbers, Invoice, Challan, Goods Consignment Note, Way Bill etc.

**10. Inspected on:** .....and ..... jointly by MANIREDA officials and representative of M/s .....and found okay.

Date:  
Name:  
Designation: Scheme Officer

Signature of authorized MANIREDA representative

## 18. Check List & Format for Submission of Bid

The following information/documents are to be annexed and flagged by the bidders along with the BID

Sl. No.	Annexure and Proforma No.	Particulars	Yes/No, Flag No.	To be done
1.	Annexure-I	Details of Earnest Money (D.D from any nationalized bank and validity for at least 3 months from the last date of submission of bids)		Hard copy
2.	Annexure-II	A copy of the document/certificate that the bidder is Company/Firm/Corporation registered in India, manufacturing SPV Cells/Modules/PCU/inverter (conforming to relevant National/International Standards)		Hard copy
3.	Annexure-III	A copy of the Certificate for solar module as per IEC Standards.		Hard copy
4.	Annexure-IV	Test Certificate conforming to MNRE approved specifications of Grid connected string Inverter/PCU & for luminary and VRLA battery for SSLS from MNRE authorised testing centres/NABL accredited)		Hard copy
5.	Annexure-V	A copy of valid GST registration Certificate		Hard copy
6.	Annexure-VI	A summarized sheet of cumulative experience of the bidder of Design, supply, erection, testing , I&C of grid connected solar power plants including I&C of a minimum of 50 kWp SPV Power Plant whose work order should be in the name of the bidder.		Hard copy
7.	Annexure-VII	Overall Average Annual Turnover of the Company/Firm/Corporation in the last 3 financial years (A summarized sheet of turnover of last 3 Financial Years certified by registered CA)		Hard copy
8.	Annexure-VIII	MNRE accredited Grid connected solar power plant Channel Partner/Programme Administrator with Credit Rating(from MNRE Accredited Rating Agency)		Hard copy
9.	Annexure-IX	The bidder has ISO 9001 certification		Hard copy
10.	Annexure-X	The bidder has ISO 14001 certification		Hard copy
11.	Annexure-XI	Copy of MoU signed for Pre-bid tie-up		Hard copy
12.	Annexure-XII	Demand Draft for cost of bid document/Photocopy of Demand Draft		Hard copy
13.	Annexure-XIII	Letter of acceptance to furnish the true information in Proforma – 3, Proforma – 4 & Proforma – 5.		Hard copy
14.	Annexure-XV	Technical Particular data sheet of Grid connected SPP of Bidder		Hard copy
15.	Annexure-XVI	Copy of audited Balance Sheet and Profit & Loss Account for last 3 (three) years		Hard copy
16.	Annexure-XVIII	A tentative overall supply schedule in the form of Bar Chart		Hard copy
17.	Proforma – 1	Forwarding Letter		Hard copy
18.	Proforma – 2	Authority Letter for Attending Bid Opening Meeting and Signing Bid Document.		Hard copy
19.	Proforma – 3	Information about the Bidding Firm		Hard copy
20.	Proforma – 4	Details of Orders Received and Executed in Past Years		Hard copy
21.	Proforma – 5	No Deviation Certificate		Hard copy
22.	Proforma - 8	Price Bid		Hard copy

**Please ensure:**

1. That all information is provided strictly in the order mentioned in the check list mentioned above.
2. Note that this is a zero deviation tender. Bidders are advised to strictly confirm compliance to bid conditions and not to stipulate any deviation/conditions in their offer. Subsequent to bid submission, MANIREDA may or may not seek confirmations/clarifications and any offer(s) not in line with Bid conditions shall be liable for rejection.
3. Any clarification/confirmation bidder may require shall be obtained from MANIREDA before submission of the bid.
4. Bidder shall submit complete bidding document including subsequent amendment, modification and revision, duly signed and stamped as a token of having read, understood and accepted all the terms and condition mentioned therein.

..... End of the Bid Document .....