

**OFFICE OF THE PROJECT DIRECTOR
LADAKH RENEWABLE ENERGY DEVELOPMENT AGENCY (LREDA)
LADAKH AUTONOMOUS HILL DEVELOPMENT COUNCIL LEH LADAKH**

TENDER NOTICE NO: NIT No.4

WORK: "Rate Contract for Supply and Distribution of 2000 UNITS OF 100 LPD Evacuated Tube Collector based Solar Water Heating Systems in Leh District of Jammu and Kashmir."

**NIT
FOR
RATE CONTRACT
FOR
SUPPLY & DISTRIBUTION
OF
100 LPD EVACUATED TUBE COLLECTOR BASED SOLAR WATER HEATING SYSTEMS
IN
LEH DISTRICT**

**LADAKH RENEWABLE ENERGY DEVELOPMENT AGENCY (LREDA)
(LADAKH AUTONOMOUS HILL DEVELOPMENT COUNCIL)
PHONE: 01982-252010, 255733 Fax No.01982-250140
Website: www.leh.nic.in**

NAME OF WORK: "Rate Contract for Supply and Distribution of 2000 Units of 100 LPD Evacuated Tube Collector based Solar Water Heaters in Leh District of Jammu and Kashmir."

NAME & ADDRESS OF BIDDER:

| S.NO | ITEM | CHECK |
|-------------|---|--------------|
| 1 | Copy of MNRE Certification specifying Empanelment of the manufacturer by MNRE for manufacturing Evacuated Tube Collector Based Solar Water Heaters. | |
| 2 | Copy of Authorized Dealership Certificate in case of bidder being a dealer | |
| 3 | Details of past experience against supply made to different State Nodal Agencies/ Govt. Departments (parent company). | |
| 5 | Earnest Money Deposit (EMD) | |
| 7 | Printed leaflets regarding products of the Parent Company | |
| 8 | GST registration Certificate of the Bidder | |
| 11 | Form F1 | |

Signature of Bidder
Stamp of Company

**OFFICE OF THE PROJECT DIRECTOR
LADAKH RENEWABLE ENERGY DEVELOPMENT AGENCY (LREDA)
LADAKH AUTONOMOUS HILL DEVELOPMENT COUNCIL LEH LADAKH**

Tender Notice: NIT No. 4

Sealed & Separate Tenders are invited on behalf of the Hon`ble Chief Executive Councillor, LAHDC,Leh from MNRE Empanelled Manufacturers or their Authorized Local Dealers, for *“Rate Contract for Supply & Distribution of 2000 units of 100 LPD Evacuated Tube Collector Based Solar Water Heaters in Leh District of Jammu and Kashmir.”*

The scope of the work includes Supply and Distribution of various equipments / systems. Details are as under:

| Cost of Document | EMD | Last date of Receiving | Date of Opening |
|------------------|-----------|------------------------|-----------------------|
| Rs. 500/- | Rs.30,000 | 13/06/2018 at 2:00 PM | 13/06/2018 at 2:30 PM |

The tender document can be obtained from the above-mentioned Office of the undersigned, during office hours on any working day up to **12/06/2018 at 11:00 AM** by paying the cost of tender document through Bank draft in favor of Project Director LREDA Leh Ladakh. The tender documents can also be downloaded from <http://www.leh.nic.in>, <http://www.ladakhenergy.org> and the cost of tender documents can be deposited through Bank draft in favour of Project Director LREDA at the time of submitting the tenders.

The tenders shall be received at The Office of the Project Director, LREDA-LAHDC,Leh. The tender should be submitted in two separate sealed envelopes. i.e. part-1 TECHNICAL/COMMERCIAL BID with EMD as mentioned above in the form of Demand Draft pledged to Project Director, LREDA, Leh and Part-II PRICE BID.

The Price Bid of only those bidders will be opened who qualify in Technical/Commercial Bid. For this a suitable date shall be announced on the date of the opening of the tenders. The Project Director,LREDA,Leh reserves the right to reject any or all the tenders without assigning any reason.

No: LREDA/SWHS/2018-19/
DATE: 24th May 2018

**Project Director,LREDA
LAHDC-LEH**

Copy to:

3. Joint Director, Information, J&K Srinagar/Jammu with the request to kindly publish the NIT in one of the leading National and one state English Newspaper.
4. Notice Board, Deputy Commissioner Office, Leh.
5. _____ for Information

Form -F1
SCHEDULE OF GENERAL PARTICULARS OF BIDDER
(To be submitted with the technical bid)

| | | |
|----------|--|--|
| 1 | <i>Name of the bidder</i> | |
| 2 | <i>Postal address</i> | |
| 3 | <i>Telegraphic address</i> | |
| 4 | <i>Telephone/Telex/Fax etc</i> | |
| 5 | <i>Name and designation of the representative of bidder to whom all reference shall be made to expeditious technical coordination</i> | |
| 6 | <i>Amount and reference of earnest money deposited</i> | |
| 7 | <i>Has anything extra than price of one item (As mentioned in price schedule) has been written in the price schedule</i> | |
| 9 | <i>Experience of executing similar type of projects</i> | |

Signature of the Bidder:

Date:

PART-I (A)
SCOPE OF WORK

I(A).1 The scope of work includes *“Rate Contract for Supply & Distribution of 2000 units of 100 LPD Evacuated Tube Collector Based Solar Water Heaters in Leh District of Jammu and Kashmir”*

I(A).2 SPECIFICATIONS OF SYSTEM

The specifications of the Solar Water Heating Systems are enclosed as ANNEXURE-I.

I(A).3 ELIGIBLE SUPPLIERS

- a) **MNRE Certified/ Empanelled companies or its authorized dealers/suppliers are only eligible for this tender. The bidder should be a part of the latest list of empanelment of the ministry. A certificate regarding the above conditions is to be submitted with the technical bid. Companies not fulfilling this condition would not be eligible for the tender.**
- b) The tenderer should not have been blacklisted or debarred by any Central/State/ Public Agency from carrying out similar business during **last three financial years**.
- c) Documents in support of eligibility must be enclosed with the tender. Offers without satisfying eligibility conditions will be out rightly rejected and no correspondence in this regard will be entertained.

I(A).4 EARNEST MONEY DEPOSIT

- a) The tender should be accompanied with earnest money for the value of **Rs 30,0000 /- (Rupees Thirty Thousand only)** in the form of demand draft/CDR/FDR in favor of Project Director, LREDA-LAHDC payable at Leh.
- b) The offers without EMD will be rejected out rightly.
- c) EMD of unsuccessful tender shall be returned after award of the contract/ Order. No interest will be paid on the earnest money.
- d) The EMD of successful bidders may be refunded on a deposition of security deposit as per the details given in the paragraph containing "security deposit".

I(A).5 VALIDITY OF BID

The rates finalized by the district purchase committee of the Ladakh Autonomous Hill Development Council shall remain **valid for a period of Two Years**.

I(A).6 TIME SCHEDULE, PENALTY/LIQUIDATED DAMAGES

- a) *The time for and date of delivery or dispatch stipulated in the supply order shall be deemed to be the essence of the contract, and should the contractor fail to deliver or dispatch any consignment within the period prescribed for such delivery or dispatch stipulated in the supply order, the delayed consignment will be subject to **2% penalty per consignment per month recoverable on the value of the stores supplied**. In case of non-payment of the contractor, recovery will be made from his bills or amount of Earnest money or security deposited with Project Director, LREDA, provide also that:*
- b) No recovery of penalty will be made if the Project Director, LREDA-LAHDC, Leh accepts the delayed supplies by extending the delivery period on receipt of such a request from the supplier by recording in writing that the exceptional circumstances were beyond the control of the supplier and there was no loss to the Government.
- c) On the failure of the suppliers to make supply within the extended period or otherwise and the receipt of such information in the office of the Deputy Commissioner/ CEO- LAHDC, **risk purchase at the cost of the supplier will be made by the Director, LREDA within 2 months of the expiry of stipulated delivery period by inviting short terms quotations** from the Registered and other known suppliers. The difference of excess cost thus, incurred will be recovered from the supplier from his pending bills, earnest money or security whichever is available. This procedure will be adopted after serving a registered notice to the supplier to supply stores within 15 days.

The Contractor shall not:

- a) Assign or sublet the contract without written approval of the officer sanctioning the contract.
- b) Disclose details of the conditions governing this contract to unauthorized persons (Indenting against this contract is permissible only for the bonafide use of Governments departments and quasi public and not for private parties or for the private use of the Government officers).

I(A).7 PERFORMANCE & GUARANTEE

- a) All elements of the system which fail due to manufacturing defects within a period of **2 years** from the date of commissioning shall be replaced by the tenderer free of cost.
- b) The system should be guaranteed for minimum projected life of **2 years**. The guarantee period shall commence from the date of commissioning of the system.
- c) Evacuated Tubes do not come in the preview of the above guarantee however any breakage of tube before the commissioning of the system would be not be considered supplied. Only after signing of installation report by the beneficiary would the system be considered commissioned.
- d) The other accessories such as anode rod, Plastic holders, silicon rings, electric rods (if included) etc shall not be under the said warranty.

I(A).8 PAYMENT TERMS

- a) 100% of the payment shall be made after documentary proof of successful handing over of the system to the beneficiary. Following documents shall be considered for release of payment:
 - 1. The Receipt Slip (original) issued by this office to the beneficiary.
 - 2. Supply Certificate duly signed by the beneficiary
 - 3. Photograph (soft copy acceptable) of the beneficiary with the system.

I(A).9 COMPLETION/ DELIVERY PERIOD:

LREDA Office would issue a list of beneficiaries to the successful bidders for supply of the systems. A store should be maintained by the bidder for distribution of the material to beneficiary.

I(A).10 CHANGES

No variation or modification or waiver of any of the terms and provisions of these specifications shall be deemed valid unless mutually agreed upon in writing by both the purchaser and the supplier

I (A).11 PACKING

The bidder shall be responsible for assuring all commodities shipped are properly packed and protected to prevent damage or deterioration during shipment. Packing and shipping cost shall be borne by the supplier. Customs clearance and all costs and actions associated with import duties taxes and processing of documents are to be borne by the bidder. The supplier shall be responsible for all damages/losses if any.

Each system shall be packed separately (inclusive of all components). Any components missing at the time of distribution shall be considered incomplete and payment for that system shall not be made.

I(A).12 ESTABLISHMENT OF OFFICE AT LEH:

The Successful Bidder should establish an office at Leh with adequate number of staff including technical staff for maintenance etc. of the installed systems

PART-I (B)

GENERAL CONDITIONS OF CONTRACT

In construing these general conditions, the following words shall have the meaning here in assigned to them unless there is anything in the subject/contract inconsistent with such construction.

LREDA shall mean the Project Director or his representative of Ladakh Renewable Energy Development Agency (LREDA) with Head Office at Leh and shall include its successors and assignees.

The contractor shall mean the bidder whose tender shall be accepted by the Project Director, LREDA-LAHDC, Leh and shall include such bidder's hires, legal representative, Successors and Assignees.

Govt. shall mean the Government of Jammu and Kashmir.

- I (B).1** The item rate quoted shall be for the completed item of work at site as described and specified and shall be inclusive of all taxes, duties, royalties, etc. insurance package and any other levy.
- I (B).2** The contractor shall provide everything necessary for the proper execution of the work according to specifications and instruction.
- I (B).3** All materials and workmanship shall be as of the respective kind as described in the bill of quantities.
- I (B).4** The work shall be carried out strictly in accordance with the specification. The contract will be deemed to have read the same carefully before submitting their quotations. Wherever the above specifications are found wanting, latest PWD/MNRE and/or ISI specifications shall be followed.
- I (B).5** The Project Director, LREDA-LAHDC, Leh, reserves the right to split up the orders before various bidders and also the right not to accept the lowest or any other tenders or all the tenders in whole or in part without assigning any reason for such non acceptance.
- I (B).6** The Project Director, LREDA-LAHDC, Leh or its duly authorized representative reserves the right to approve the quantity of work based on the performance of the supplier.
- I (B).7** All materials to be incorporated in the work shall be approved from the LREDA-LAHDC before being used in the work. The rejected materials shall be removed from the site at the cost of tenderer.
- I (B).8** The Project Director, LREDA-LAHDC, Leh or his duly authorised representative shall have at all times access to contractor's premises or works and shall have the power to inspect and examine the materials and workmanship of the equipment during its manufacture. If the equipment is being manufactured in sub-contractors works, the contractor shall obtain for the purchaser and his duly authorised representative's permission to inspect and examining the workmanship of the equipment there.
- I (B).9** The contractor shall make arrangements at his own cost for all tests required to ascertain quality/workmanship of materials and the work done by him.
- I (B).10** Notwithstanding any inspection or test carried out by The Project Director, LREDA-LAHDC, Leh or his representative, the manufacturer or supplier shall carry out his own tests to ensure consistent performance and shall furnish guarantee for each unit of equipment supplied and installed. The Project Director, LREDA-LAHDC, Leh **may also get random testing done through an approved testing center at the cost of the contractor/firm.**
- I (B).11** The contractor shall make his own arrangements for water and electricity required by him during the installation
- I (B).12** It will be **deemed that the contractor has visited site**, made his own assessment of the nature of work before submitting the quotation **and no claim on this account** shall be admitted by The Project Director, LREDA-LAHDC, Leh
- I (B).13** The contractor shall provide at his own expense all necessary tools, tackles, spanners, wrenches, jacks, ladder, winches, ropes, welding sets, concrete mixer, road roller etc. for the erection of the work and shall be responsible for unloading and transport of material covered by this contract from the nearest station to the site of erection.

- I (B).14** The items and quantities given in the bill of quantities are approximate and are subject to variation/addition, omissions, etc. and contractor shall have to execute the altered, additional items and quantities at the rates quoted by him. No extra claim on this account shall be entertained by the Deputy Commissioner/CEO-LAHDC.
- I (B).15** The painting scheme for the system shall be as mutually agreed upon between the purchaser and manufacturer.
- I (B).16** All exposed parts of the equipment, fittings and spares shall be suitably protected against rust and effects of weather and dust.
- I (B).17** In case the progress and/or quality of work being executed by the contractor is found by The Project Director, LREDA-LAHDC, to be unsatisfactory, the balance defective or/improper work will be executed through other agencies at the risk and cost of the contractor.
- I (B).18** The manufacturer shall supply all technical literature and drawing considered necessary for the installation, operation and maintenance of the equipment and its fittings. These shall essentially include:-
- I (B).19** Drawing showing over all dimensions and the following details:
- a) List of parts with reference to nos.
 - b) **Manual of instructions for the operation, maintenance and repairs/ equipment and special fittings, if any.**
 - c) **Checking methods and schedule for cleaning the system.**
 - d) Any other relevant technical data which would be of assistance for efficient operation and maintenance of the system including energy savings etc.
 - e) Details of manufacturing equipment, plant and machinery with their make, specification, cost and year of purchase.
 - f) Sectional view of the equipment
- I (B).20** In order to facilitate the technical scrutiny of the offers, technical data relating to the equipment and the fittings shall be furnished in the manner shown in the performa for technical bid.
- I (B).21** Notwithstanding the information required in schedule the manufacturer may furnish any additional technical data which would be of assistance in judging the product offered.
- I (B).22** Since the design parameters of equipment may vary from manufacturer to manufacturer, the tenderer is at liberty to quote for his nearest standard equipment based on the technical specifications and the end use. Variance from the specified parameters shall be indicated and properly justified for each item.
- I (B).23** The manufacturer must indicate the acceptance or otherwise of stipulations of this specifications clause by clause. Offers not confirming to these stipulations are liable to be rejected.
- I (B).24** The supplier shall train purchaser's personnel for the operation and maintenance of the equipment for a particular period, mutually agreed between the supplier and the customer.
- I (B).25** Each tender is separate and independent document and should not be combined with any other tender in any matter/manner.
- I (B).26** The suppliers will have to undertake repair of the system installed by them, in case of any defect arising out of any point of time. Supplier will attend the complaints within **fifteens days** of receiving the complaint and will report to LREDA about remedial steps taken by them to the satisfaction of the user.
- I (B).27** The right of the Bidder to proceed with work shall not be terminated nor with the contract price reduced herein because of any delay in the completion of the work due to unforeseen causes beyond the control and without fault and negligence of the Bidder including (but not restricted to) act of God or public enemy, action of Government in its sovereign capacity, floods, epidemics, strikes, lockouts, fires and accidents, In the event of any of the aforesaid contingencies LREDA will be promptly kept informed by the Bidder by fax/telegram followed by confirmation in writing with documentary proof within fifteen days of commencement and cessation of force majeure

circumstances. Under such circumstances reasonable extension of time shall be granted by Deputy Commissioner Leh.

I (B).28 If at any question, dispute or differences whatsoever shall arise between Deputy Commissioner Leh and the bidder in connection with this agreement except as to matters the decision for which has been specifically provided, either party may forthwith give to the other notice in writing of the existence of such question, dispute or difference and same shall be referred to the sole arbitration of the Secretary, Science & Technology Govt. of Jammu and Kashmir. This submission shall be deemed to be submission to arbitration within the meaning of The Arbitration and Conciliation Act 1996 and rules made thereafter or any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceedings under this clause. The award of the arbitrator shall be final and binding on the parties. Work under the agreement shall continue during the arbitration proceedings, unless the arbitrator otherwise directs.

PART-I (C)

OTHER TERMS AND CONDITIONS

- II (C).1** The offer shall be submitted on original tender form issued by this office, conditional tender and tender not accompanied by EMD shall not be accepted.
- II (C).2** The rates quoted should be FOR at site, inclusive of all taxes, GST etc.
- II (C).3** All columns of the technical and financial bid shall be duly filled in, the rates shall not be overwritten and be both in figures and words.
- II (C).4** All corrections must be signed by the tenderers.
- II (C).5** The Project Director, LREDA-LAHDC, Leh reserves the right to distribute the order/place the order on more than one supplier/firm.
- II (C).6** The offer shall be accompanied with a set of complete technical literature along with operation and maintenance manual in English
- II (C).7** Material shall be strictly as per Tender specifications.
- II (C).8** The quantity of supply mentioned in the Tender is tentative which can be increased or decreased.
- II (C).9** The firm should emboss the logo or put a sticker of LREDA/ and print the matter "**LREDA- Ladakh Renewable Energy Development Agency**" on the hot water tank.
- II (C).10** All information supplied in this tender must be supplied with confidence correct to the tenderers' best knowledge & belief. Concealment of any fact, if detected at any stage will lead to disqualification in the current and for future tenders in Leh District and forfeiture of EMD together with any other penalty as may deemed fit by Deputy Commissioner/CEO-LAHDC.
- II (C).11** Conditional tenders/ telegraphic tenders/ fax tenders will not be accepted and rejected out rightly. Therefore, all care should be taken to furnish complete information.
- II (C).12** Non furnishing of information asked for in the Tender shall lead to rejection of the tender.
- II (C).13** The EMD of the bidder is liable to be forfeited in case of evidence of cartel formation by the bidder(s).
- II (C).14** The Project Director, LREDA-LAHDC, Leh will have the right of rejecting all or any of the bid without assigning any reason thereof.

PART I(D)

I (D).1 SUBMISSION OF TENDER

- a) Sealed tender should be submitted in two parts i.e. **Part-I (technical and commercial) in the format given at Annexure-II** and **Part-II (price part) in the format given at Annexure-III**. The firm should submit their offers in two separate sealed envelopes, marked on one envelop as "**Part-I "Technical and Commercial Part"**" and on other envelope as "**Part-II: Price Part"**". These envelopes should again be sealed in a covering envelope along-with forwarding letter, superscribed on top with "**Offer for Rate Contract of Solar Water Heating Systems-Evacuated Tube Collector Based"**".
- b) Offer should be addressed to The Project Director,LREDA-LAHDC, Leh by **designation only** and not to any other officer by name.
- c) The Project Director,LREDA-LAHDC, Leh shall resume no responsibility for misplacement or premature opening of any part of tender, in case of above instructions are not complied with by the tenderer.
- d) Any offer received after the deadline for submission of offers shall be rejected and returned unopened to the tenderer.
- e) All the pages of tender documents, technical specifications, bids, supporting documents etc. shall be **duly signed** by the authorised signatory and company seal should be affixed on each page. **All pages should be properly numbered and tagged or bound to avoid loss of information during processing of documents**. Any part of the tender which is not specifically signed by the authorised signatory and not affixed with company seal shall not be considered for the purpose of evaluation.
- f) The offers should be signed and sealed by the tenderer or his authorised representative. The names and designation of all persons signing shall be typed or printed below the signature.
- g) Failure to furnish all information and documentary evidence as stipulated in the tender document **as per format** or submission of an offer that is not substantially responsive to the tender document in all respects shall be summarily rejected
- h)

Price part (Part-II)

- a) The price of Solar Water heating Systems in full and complete set including all parts inclusive of packaging, transportation, FOR destination, all taxes & levies, octroi, VAT etc. should be quoted in **PART-II (A) and PART-II(B)**
- b) Price shall remain firm and fixed. Price variation clause is not acceptable.
- c) Price of bill of materials would be considered a part of the price bid and should be filled completely and properly. The filled bill of material shall be received along with the price bid.

I (D).2 OPENING AND EVALUATION OF OFFERS

- a) Part-I: Commercial & Technical part will be opened on the date and time specified in the office of The Project Director,LREDA-LAHDC, Leh, Leh in the presence of tenderers or their Authorised representative who wish to attend the meeting.
- b) The Project Director, LREDA-LAHDC, Leh if required may at its discretion obtain clarifications on offer by requesting such clarifications from any or all the tenderers.
- c) The Part-II: Price part of only those tenderers, whose offers are found technically and commercially acceptable after evaluation of the technical and commercial part will be opened. The date for opening of price part will be intimated separately
- d) The Project Director,LREDA-LAHDC, Leh, if required, may at its discretion extend the schedule date of opening of Commercial & Technical Part of the tender.
- e) In case the dates mentioned in this document happened to be gazetted holiday, next working day shall be deemed as the due date.

ANNEXURE-I

TECHNICAL SPECIFICATIONS

SCOPE OF WORK

“Rate Contract for Supply & Distribution of 100 LPD Evacuated Tube Collector Based Solar Water Heaters at Various Sites in Leh District of Jammu and Kashmir”

DETAILED TECHNICAL SPECIFICATIONS OF VARIOUS COMPONENTS OF SOLAR WATER HEATING SYSTEMS

| | |
|--|---|
| 1. ABSORBER MATERIAL (Evacuated Tube Collector) | |
| Outer Diameter | 58mm / 47 mm |
| Inner Diameter | 47mm / 37 mm |
| Length | 1800mm / 1500mm |
| Numbers | 10 / 15 units |
| Type of Coating | ALN-SS-Cu (Three Layer) |
| Structure for Collectors | Mild Steel with PP coating angle iron of 25mmx25mmx2mm; will have vertical support at top and bottom edge of the inclined plane of the collector at a distance of 1.5 M or less. The angle for the collector should be 45 degree to the plane. |
| 2. STORAGE TANK SPECIFICATIONS | |
| a) Material | Stainless Steel (SS-304/ IS 1730 grade) |
| b) Thickness | 0.5 mm SS-304/IS 1730 grade. Fabricated using Argon arc or metal inert gas (MIG) welding |
| c) Insulation | 1. Aluminum sheet of thickness 24 SWG (0.6mm) or lower shall be used for cladding the tank insulation. 2. Solar water Heating System (SWHS) is to be insulated with only 75 mm thermal grade PUF Insulation of 48 kg/ meter cube or higher density |
| 3. ACCESSORIES | 1. End Caps: 10 or 15 depending on the no of tubes 2. Inner Washer: 10 or 15 depending on the no of tubes 3. Any other items necessary for smooth functioning of the system |

**PART-II (A)
FINANCIAL BID**

**100 LPD EVACUATED TUBE COLLECTOR BASED
SOLAR WATER HEATING SYSTEM**

| S. No | Item | Unit | Unit Cost (in Rs.) | Quantity | Total Cost |
|--------------|---|-------------|---------------------------|-----------------|-------------------|
| 1. | 100 LPD Evacuated Tube Collector Based Solar Water Heating System as per technical specification in ANNEXURE I | Nos. | | 2000 units | |

**Signature of Company Representative
Stamp of the Company/ Bidder**