

**OFFICE OF THE DEPUTY COMMISSIONER/CHIEF EXECUTIVE OFFICER,**  
**LADAKH AUTONOMOUS HILL DEVELOPMENT COUNCIL, LEH.**

**NIT NO: 34**  
**DATED: 13-04-2011**

Sealed tender/offers duly affixed with Revenue Stamps worth Rs.5/= (Rupees Five Only) are invited by Deputy commissioner/Chief Executive Officers, LAHDC, Leh on behalf of the Governor of Jammu & Kashmir for **“Supply of 200nos Solar Dryer in the Leh District of Jammu & Kashmir”**.

The detail tender documents containing broad specification and schedule of works can be had from the office of the Project Director, Ladakh Renewable Energy Development Agency (LREDA), Leh on payment Rs. 1000 (Rupees One Thousands only). The tender documents can also be downloaded from <http://www.leh.nic>, or [www.ladakhenergy.org](http://www.ladakhenergy.org) but payment should be made then and only then tender shall be accepted.

The tender documents duly completed in all respects addressed to the Deputy Commissioner/Chief Executive Officer, LAHDC, Leh should reach this office on or before 11-05-2011 upto 1.00 P.M, which shall be opened 12-05-2011 on the same day or any other day convenient to the members of the committee in presence of the tenderers/their authorized representative who may like to be present at the time of opening.

The Deputy Commissioner/Chief Executive Officer, LAHDC, Leh reserves the right to accept or reject any tender without assigning any reason thereof.

**Sd/-**  
**Deputy Commissioner/**  
**Chief Executive Officer,**  
**LAHDC-Leh.**

Dated:

NO:-DCL/Acctts./LREDA/(108)

Copy to the :-

1. Project Director, LREDA,Leh for information.
2. Technical Director, NIC, Leh with the request to put the NIT on official website.
3. Joint Director, Information, J&K Srinagar/Jammu with the request to kindly publish the NIT in one leading National and one state English News Paper.
4. Notice Board, Deputy Commissioner Office, Leh.
5. \_\_\_\_\_ for information.

**Sd/-**  
**Account Officer,**  
**Deputy Commissioner/CEO,**  
**LAHDC-Leh**

**OFFICE OF THE DEPUTY COMMISSIONER/ CHIEF EXECUTIVE OFFICER**  
**L.A.H.D.C, LEH-LADAKH.**

**NIT NO: 34**

For and on behalf of the Governor of J&K sealed tenders affixed with Rs.5/= revenue stamps are invited from reputed Solar Dryer manufacturers/their authorized dealers for supply of Solar Dryer in the Leh District. The Company must have manufacturing facilities for Solar Dryer in India. The tenders should be addressed to the **Deputy Commissioner/C.E.O, L.A.H.D.C, Leh, Ladakh J&K** and should reach the office of the same on or before **11-05-2011 till 1:00p.m** as per the following terms/conditions and specifications.

| S.No. | Particulars                 | Nos | Earnest Money | Cost of Tender Document | Last date for issue of Tender |
|-------|-----------------------------|-----|---------------|-------------------------|-------------------------------|
| 1.    | Solar Dryer<br>(Home Scale) | 200 | 1,20,000/-    | 1000/-                  | 10-05-2011                    |

**1. Minimum criterion for bidding**

The bidder must have following minimum criterion for bidding:

- a. The successful bidder must establish his service/spare parts centre in Leh.
- b. The bidder must be total integrated system designer and manufacturer.
- c. Authorized dealer of the company can also participate in the tender.
- d. All information of the tender shall be in English, information in any other language will be accompanied with its translation in English. Failure to comply with this may disqualify the tender.

**Documentation**

One set of installation manual / user manual shall be supplied along with the each system. The manual shall include complete system details of operation, maintenance, schematic of the system and working principle etc. Step by step maintenance and troubleshooting procedures shall be given in the manuals.

**I. INSTRUCTIONS, TERMS AND CONDITIONS:**

1. The tender should be in three parts viz. **part I, part II part III** as described in clause 2 below should be in a separate envelope duly super scribed as **part I, part II and part III** , **NIT No:-** and due date. Sealed envelopes containing all the three parts should then be placed in a bigger envelope, which should be sealed, and super scribed by the given **NIT No:-34**, due date and name of the tendered.

## Clause 2.

2. **PART I:** - Part I of the tender should be super scribed as “**part I, technical details for NIT No:-34**” and should contain

### **Technical Details in accordance with the Annexure I:**

- a) The bidder must have solar dryer manufacturing facility in India necessary certificate to be enclosed.
- b) The successful bidder must establish his service/spare parts centre in Leh. Details of service center to be submitted before finalizing the supply order.
- c) The bidder must be total integrated system designers and manufacturer. Necessary document to be enclosed.

3. **PART II:** Part II of the tender should be super scribed as “**Part II, Commercial bids for NIT NO:-34**” and should contain

To qualify for award of contract each bidder should submit their certificates of prequalification documents (Commercial bids) in a separate envelope. The same shall be opened first; missing of any certificate shall not be entertained for bidding purpose. The envelope should content the following certificates and proof.

- a. Registration card.
- b. Audit balance sheet for last financial year.
- c. Proof of earnest money.
- d. All the above certificates/documents shall be submitted by the firm duly signed with the seal and should be duly attested from gazzeted officer.

4. **PART III:** Part III of the tender should be super cribed as “**Part III, price bid for NIT NO:-34**” in accordance with the Annexure-II and should contain the price bit for the product as per the bill of material for each solar dryer, & strictly as per the price bid format given in the NIT.

5. Authorized dealers of the company can also be participate in the tender.

6. This tender is **for RATE CONTRACT** and the rates **F.O.R. LREDA OFFICE**, Leh District shall be approved. Work orders from time to time as per beneficiary demand and requirement will be awarded from Offices of LREDA to any firm so approved at the approved rates. Therefore The Deputy Commissioner Leh may accept the lowest rate of the eligible bidder and for this purpose; negotiations may be held with the eligible bidders. DC/CEO, LAHDC-Leh can award order

7. The tender should be addressed to **The Deputy Commissioner/Chief Executive Officer, LAHDC Leh**. Both inner and outer covers duly sealed and superscribed and sent either under registered cover or cast in the box kept in the office of the **Deputy Commissioner/CEO, LAHDC Leh**.

8. The tenderer shall ensure timely receipt of tender in the office of the **Deputy Commissioner/CEO, Leh**, the tenders received by hand or by post after due date of receipt of tenders shall not be entertained even if the tender has been posted/ dispatched much before the due date of receipt.

9. The tenders will be opened on **12-05-2011** in the office of the **Deputy Commissioner/CEO Leh**, on the date of opening of the tenders only the technical and the commercial parts (part-I & part-II) shall be opened in the presence of the tenderers who may be present, the price bid (part-III) shall be opened only in case of such tenderers who on scrutiny of part-I & part-II of their offer are found to have qualified for opening of the price bid on the same day at the D.C's office or any other day at the discretion of the purchasing committee. In case the due date of opening of the tenders falls on a holiday being declared subsequently, the tenders will be opened on the next working day.
10. Tenders must be complete in all respects; all the terms and conditions of tender including the technical specifications should be carefully studied for the sake of submitting complete and comprehensive tender documents. Failure to comply with any of terms and conditions or instructions of the offer with insufficient particulars which is likely to render fair comparison of tender as a whole impossible may lead to rejection even if otherwise it is a competitive offer/tender.
11. Telegraphic tenders or the tenders of such tenderers who have not purchased tender document shall not be entertained. Any request by post or by hand or telegraphically for any modification addition or deletion etc. in the tenders shall not be considered.
12. The tenders shall be prepared in a formal manner with all quotations written both in figures & words. The tenders shall be typed or written in ink, any tender written by pencil shall be rejected. There shall be no erasures or overwriting and if corrections are made the same shall be neatly done and attested. A systematic form of totaling shall be adopted to avoid any ambiguity. The detailed description of the equipment offered shall be given Rank charge, if any shall be debited to the account of the tenderer.
13. The tenderer shall furnish an affidavit duly attested by notary that design of their equipment is free from legal encumbrances and that no legal case of any kind of litigation regarding the patent design is pending in any court of law.
14. No tenderer unless otherwise specified in these specifications, terms and conditions shall be exempted from depositing earnest money.
15. The successful bidder/tenderer must establish full fledged service center with sufficient stock of components for immediate replacement/repair.
16. No claim shall be laid against the department either in respect of interest or depreciation in value for the amount of security deposit and or earnest money. In the case of bank deposits the department shall not be responsible for any loss on account of failure of the bank.

## **II. SPECIAL INSTRUCTIONS:**

- a. Tenders not submitted on the lines indicated above are liable to be rejected without any correspondence.
- b. Request for extension in last date of receipts of tenders is likely to be ignored.

- c. The purchaser reserves the right to order additional quantity or reduce the quantity of the material, advertised at the time of placement of order for which the quoted rate shall be valid.
- d. All legal proceedings in connection with the order tender will be subject to the jurisdiction of local court of Jammu and Kashmir State alone.
- e. The purchaser reserves the right to divide the target between two or more tenders for 100% achievement.
- f. In case of any doubt, dispute or differences arising out of the contract, the same shall be referred to the F.C Planning and Ladakh Affairs Department J&K Government for the decision under J&K State Arbitration Act.
- g. The purchaser shall not be bound to accept the lowest or any tender and reserves to itself the right of accepting the whole or a portion of any of the tender, as it may deem fit, without assigning any reason thereof.
- h. Any form of canvassing by the tenderers to influence the consideration of their tender shall liable to summery rejection.
- i. In order to avoid delay caused by postal correspondence and to expedite the process, the purchaser may require the successful tenderer to hold technical & commercial negotiations and convey the decision/acceptance on behalf of the tenderer, with the Purchase Committee.
- j. The condition hereafter deal with systems details and supplementary conditions of the contract in addition to those stipulated in foregoing clauses which along with schedules and annexure, shall be deemed to form part of detail specification for equipment. The tenderer are advised to study and familiarize themselves with the terms & conditions of the tender.
- k. All material shall be of the best quality in the market and be capable of satisfactory operation when exposed to the local atmospheric conditions (winter temperature of - 35Degree).
- l. The tenderer is required to submit a statement of facts in details as to their previous experience in performing a similar or comparable work and business and technical similar or comparable work and business & technical organization. Financial resources and manufacturing facilities available to be used in performing the contract.
- m. Force major clause shall apply.
- n. No other conditions except those mentioned above will be acceptable.

### **III. EARNEST MONEY:**

- a. Tenders other than those indicated at the clause '2' above shall be accompanied with the earnest money **Rs 1,20,000.00(Rupees One lakh twenty thousand only)** in the form of CDR/FDR/DD/BG from J&K Bank or State Bank of India pledged to the **PROJECT DIRECTOR,LREDA-LAHDC ,LEH-LADAKH .**
- b. Tenders not accompanied with the required amount of earnest money will be rejected and their price bid shall not be opened.
- c. The earnest money of the tenderers shall be forfeited if they withdraw their tender or raise the prices of their offer withthin the validity period. The earnest money shall also be forfeited in case of the tenderers who do not comply with the purchase order placed on them within the validity period of the offer or violate any terms and conditions contained herein for this, purchase order shall be deemed to have been placed from the due date of letter of intent.
- d. Earnest money deposit shall be released in favour of the unsuccessful tender(s) within one month after the final acceptance of the tender.

#### **IV. SECURITY DEPOSIT:**

- a. The successful tenderer(s) shall be required to furnish security deposit equivalent to 2% of the value of the contract in the CDR/FDR/bank guarantee from J&K Bank or State Bank of India pledged to the **PROJECT DIRECTOR LREDA-LAHDC, Leh** for the period of warranty i.e. 2 years from the date of receipt.
- b. Security deposit shall be furnished within one month from the date of detailed purchase order. Failure to do so within the stipulated period will make the contract liable for cancellation together with forfeiture of EMD at the discretion of chairman purchase committee LAHDC, Leh. The EMD of the successful tenderer(s) equivalent to Rs 1,20,000.00 of the contract shall be released after the 2 years of the warranty period.

#### **V. WARRANTY:**

- a. The Solar Dryer supplied shall be warranted for a minimum period of two years.
- b. The supplier shall be responsible to replace free of cost (including transportation and insurance expenses) to the purchaser whole or any part of supply which under normal and proper use become dysfunctional within one month of issue of any such complaint by the purchaser during the two years of warranty period.
- c. In case the supplier fails to rectify/replace the defective/damaged equipment including transit damage, shortages within one month from the date of intimation of such shortage/damage, they shall have to pay interest to **PROJECT DIRECTOR, LREDA-LAHDC,Leh-Ladakh** @3% per month on the value of such materials.

#### **VI. MAINTENANCE CONTRACT:**

The Supplier shall be responsible for the maintenance of the systems for a period of 2 years of warranty period from the date of supply of the systems. The price quoted by the supplier should include the warranty/maintenance for 2 years.

##### **Scope of maintenance contract:**

Replacement/repairing of all defective components if any during the 2 years of Warranty period should be free of cost. Necessary spares to be maintained at Leh for smooth operation of the solar cooker.

#### **VII. TAXES ETC:**

- a. The rates offered by the tenderer for supply and installation of the equipment should be F.O.R LREDA Office Leh.
- b. Income tax and service tax will be deducted at source.

#### **VIII. DELIVERY OF SOLAR DRYER**

- a. The bidder shall indicate the time along with the offer and shall be mutually agreed at the time of order finalization.
- b. Delivery of the equipment should commence within one month from the date of placement of order.

- c. In case of failure to deliver in full the required supplies on order, the purchaser shall have the right to make a risk purchase at the cost of supplier and/or cancel the contract and claim reasonable compensation/damages. The contract of supply shall be repudiated if the supplies are not made within the prescribed period and to the satisfaction of the purchase officers.

**IX. VALIDITY:**

The tender should be unconditionally valid for a period of three years from the date of opening of the tenders. The quoted price per system as such shall be firm and not variable with the market price. The rates approved as per the NIT year would be valid for further purchase of the systems during in case the MNES enhances the target. Any tenderer revising the offer within the validity period, without prejudice to other remedies available with the department is likely to be blacklisted.

**X. PAYMENT SCHEDULE:**

25% shall be made as advanced payment to the successful, subject to the submission of a bank guarantee from J&K Bank or State Bank of India for an equal amount valid for a period of one year atleast. Another 70% shall be released on receipt of the material at the site. 5% will be released after the 2years warranty period.

**XI. PENALTY:**

In case of failure on the part of the tenderer to make supplies and execute the work in full, part thereof within the delivery schedule stipulated in the purchase order, penalty @ 0.5% per week of undelivered portion subject to a maximum of 15% of the cost of undelivered portion shall be levied.

**XII. 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.

**XIII. PACKING:**

All materials shall be suitably packed and should conform to the relevant ISS/Railway rules for transporting direct to the LREDA Office, Leh. And the supplier shall be responsible for all the damages/losses due to improper packing. All crates shall be marked with proper signs indicating UP and DOWN sides of the packing and also unpacking instructions considered necessary by the supplier.

**XIV. MATERIAL INSPECTION:**

The material inspection shall be done at the factory location before shipment of the material from factory location. The material inspection charges (boarding /lodging) for two representatives from LREDA have to be born by the successful tenderer.

**XV. AGREEMENT:**

The successful tenderer(s) shall be required to execute an agreement on a valid stamped paper for strict compliance of the terms and conditions of the contract, vis-à-vis the NIT and the supply order within seven days of placement of the order.

**XVI. Technical specification refer annexure I**

**XVII. Bill of material refer annexure II**

**Sd/-**

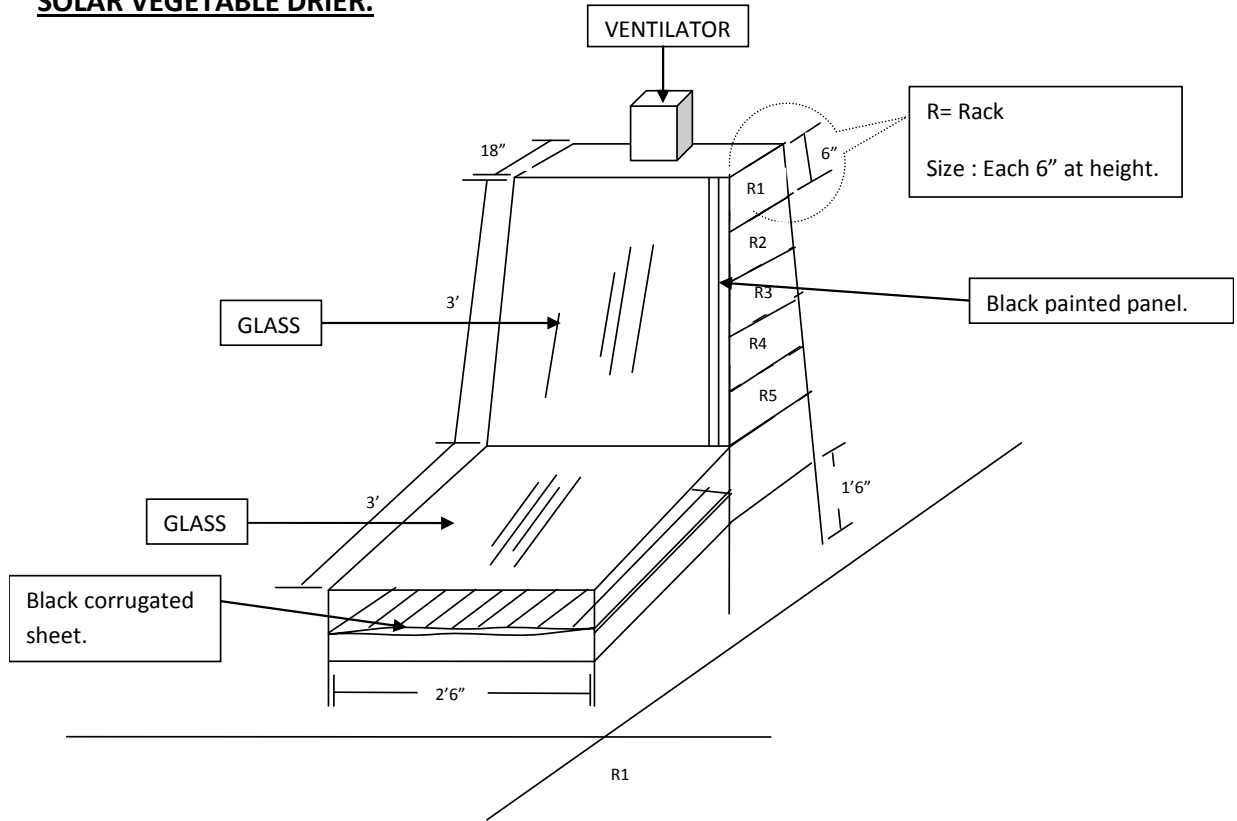
Deputy Commissioner/  
Chief Executive Officer  
LAHDC,Leh

**ANNEXURE-I**  
**TECHNICAL SPECIFICATION OF SOLAR DRYER**

| S.no | Name of the item                           | Item/part                                                                                | Specifications                                                                                                                                                           |  |
|------|--------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1    | Home scale solar drier – 10-15 kg capacity | Capacity of the system                                                                   | Around 10-15 Kg [depends on the product density – spreading area]                                                                                                        |  |
| 2    |                                            | Dimension solar collector panel<br>1. Horizontal Glazing (bottom)<br>2. Vertical Glazing | <b>3'*2'.6''</b><br><b>3'*2'.6''</b>                                                                                                                                     |  |
| 3    |                                            | Materials of the collector                                                               | MS Angle and Flat Iron ,CGI Corregated Sheet , CGI Sheet plain , angle iron for tray, Glass, PVC Exhaust pipe, Handle for Door & Rack & Locking system , Hinges for Door |  |
| 4    |                                            | Top glass - Glazing                                                                      | Glass 5 mm thick with low.                                                                                                                                               |  |
| 6    |                                            | Drier tray                                                                               | MS Mesh with rubber coated and galvanised tray at the bottom.                                                                                                            |  |
| 7    |                                            | Tray materials                                                                           | MS mesh with rubber coated for dryer rack                                                                                                                                |  |
| 10   |                                            | Solar Collector Panel energy delivery [heating]                                          | ~ 0.5 kW (thermal)                                                                                                                                                       |  |
| 11   |                                            | Performance of collector                                                                 | Will provide hot air of temperature of 45 <sup>0</sup> C - 55 <sup>0</sup> C [ when the ambient temperature~ 30 <sup>0</sup> C]                                          |  |
| 12   |                                            | Support structure                                                                        | Made of heavy duty M.S angle and Flat iron with red oxide painted.                                                                                                       |  |
| 13   |                                            | Nuts and bolts in drier                                                                  | All SS to avoid rusting                                                                                                                                                  |  |
| 14   |                                            | Assories tool kit                                                                        |                                                                                                                                                                          |  |
|      |                                            |                                                                                          |                                                                                                                                                                          |  |

# Drawing of Solar Dryer

## SOLAR VEGETABLE DRIER.



**ANNEXURE-II**  
**BILL OF MATERIAL FOR HOME SCALE SOLAR DRYER**

| <b>S.No</b> | <b>Element/Parameter</b>                                                                                                                          | <b>Quantity</b>           | <b>UOM</b> |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|
| 1.          | Top glass :-<br>a. Solar glass 5 mm thick                                                                                                         | As per the collector area |            |
| 2.          | CGI Corregated:-<br>a. CGI Corregated sheet with absorber paint 24 gauge<br>b. CGI Corregated sheet plain 24 gauge                                | As per the area           | 9 Sqf each |
| 3.          | Insulation :-<br>Deep paint water proof ply of 9mm thickness                                                                                      | As per the area           | 72 Sqf     |
| 4.          | Drier tray;<br>MS mesh with rubber coated for dryer rack<br>-4Nos and 1Nos of galvanized tray                                                     | As per the area           | Nos        |
| 5.          | PVC Exhaust pipe 3 inch dia.                                                                                                                      | 1nos                      | 2 feet     |
| 6.          | Angle iron for tray (20*20*3mm)                                                                                                                   | 4                         | Nos        |
| 7.          | Collector and drier stand (Made of heavy duty M.S.angle and painted with red oxide painting):<br>a. Angle iron(25*25*3mm)<br>b. Flat iron(20*6mm) | As per requirement        | 32         |
| 8.          | Handle, Hinges, Rack and Locking system for door                                                                                                  | As per requirement        |            |
| 7.          | Nuts and bolts (All SS to avoid rusting)                                                                                                          | As per requirement        |            |

**PRICE BID FORMAT FOR SOLAR DRYER**

| S.No | Description                                                                                      | Cost/Unit |
|------|--------------------------------------------------------------------------------------------------|-----------|
| 1.   | Supply of Solar Dryer at LREDA-LAHDC, Leh<br>As per the Annexure-I and Annexure-II of the tender |           |