

Invitation of quotation

for

Ice Line Refrigerator

At

All India Institute of Medical Sciences, Jodhpur

Inquiry No.: : Admn/Gen/29-01/2017-AIIMS.JDH

Inquiry Issue Date : 22<sup>nd</sup> August, 2017

Last Date of Submission : 25<sup>th</sup> August, 2017 at 05:00 PM.



**All India Institute of Medical Sciences, Jodhpur**

Basni Phase - II, Jodhpur – 342005, Rajasthan

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**Invitation of quotation for Ice Line Refrigerator at AIIMS  
Jodhpur**

Sealed Quotations are hereby invited by the undersigned on behalf of the Director, AIIMS Jodhpur for supply of Ice Line Refrigerator for the Institute as per terms & conditions mentioned below. The filled quotations along with all the required document must reach in the office of the undersigned on or before 25.08.2017 05.00 PM. The Envelope containing the quotation would please be sealed and super scribed as under:-

**“QUOTATION FOR SUPPLY OF ICE LINE REFRIGERATOR  
AGAINST INQUIRY NO. ADMN/GEN/29-01/2017-AIIMS.JDH” DUE ON  
25.08.2017 05.00 PM”**

**1. General Terms & Conditions:**

- A) The quotations received after this deadline & unsealed shall not be entertained under any circumstances whatsoever. In case of postal delay this Institute will not be responsible.
- B) Quotations must be in the enclosed prescribed Performa on the letter head of the firm duly signed by the Proprietor/ Partner/ Director or their authorized representative, In case of signing of quotation by the authorized representative letter of authorization must be attached with the quotation.
- C) Rates must be quoted in **Indian rupees** and as per the format specified taxes extra if any must be written separately.
- D) Rates must be quoted FOR basis (including Freight charges, Insurance, installation etc.)
- E) No overwriting or cutting is permitted in the rate. If found, the quotation shall be summarily rejected.
- F) The rates quoted must be valid for 60 days minimum from the date of opening of the quotation and silence of any tendered on this issue shall be treated as agreed with this condition.
- G) Becoming L1 will not be the criteria for awarding of purchase order unless the rates are reasonable & justified.
- H) RTGS/NEFT details need to be furnished by the supplier with the quotation on the letter head of supplier/firm/agency.
- I) The firm/agency may satisfy the following conditions and attach self-attested copy of the same with the quotation:
  - Firm shall be registered with the Government of Rajasthan / Central Government.
  - The firm shall have valid GSTIN and PAN.
  - **The firm should not be black listed by any Govt. Agency/Dept.**
- J) Quotations qualified by such vague and indefinite expressions such as “subject to prior confirmation”, “subject to immediate acceptance” etc. will be treated as vague offers and

## **INQUIRY NO. Admn/Gen/29-01/2017-AIIMS.JDH**

rejected accordingly. Any conditional quotation shall be rejected summarily.

- K) **Delivery Period** – within 30 days from Purchase order.
- L) **Liquidated Damage:** - If the supplier fails to deliver the material on or before the stipulated date, then a penalty at the rate of 0.5 % per week of the total order value shall be levied subject to maximum of 10% of the total order value.
- M) **Payment Terms:** Payment will be only after satisfactorily delivery / commissioning of material and after inspection by the AIIMS Jodhpur.
- N) **Disputes:** -In the event of any dispute or disagreement arising between the contractors and any other department of AIIMS Jodhpur with regards to the interpretation of “Terms & Conditions” of this inquiry, the same shall be referred to the Director, AIIMS Jodhpur whose decision will be final and binding upon the contractor.
- O) **Quantity:** - The quantity of items given in the Quotation is tentative, which may be increased or decreased as per the Institute’s requirement.
- P) AIIMS, Jodhpur reserves the right to increase or decrease quantity and / or amount of work. Decision of Quantity of material in the AIIMS, Jodhpur will be final in this regard.
- Q) AIIMS, Jodhpur reserves the right to reject any quotation or part or the whole of inviting quotation process without assigning any reason. Decision of the AIIMS, Jodhpur will be final in this regard.

### **2. Special Terms & Conditions:**

- A) Bidder must quote the product as per specification provided in Annexure 1.
- B) Catalog must be attached with quotation for technical evaluation.

**Administrative Officer**

Encl.: Annexure 1 (Specification)  
Annexure 2 (Format of price bid)

**Annexure 1**

**Technical Specifications Ice Line Refrigerator- ILR (Large)**

**1. Description of Function:**

- 1.1 Ice-lined refrigerators maintain temperatures of +2°C to +8°C. Not more than 8 hrs continuous or intermittent power should be sufficient per 24 hrs. to maintain vaccine temperature below 8 deg. C.
- 1.2 Ice-lined refrigerators are required at district and regional levels, since electricity supplies are rarely perfect and standby electricity supplies may not be available.

**2 Operational Requirements:**

- 2.1 Vaccine storage is required for RI, Campaign and new vaccine introduction.
- 2.2 Designed for tropical climates.
- 2.3 Target holdover time should be 20 hrs or more in a continuous external temperature of 43 deg C.
- 2.4 Hot and cold compressor starting at 172 volts (22% below rated voltage).
- 2.5 Manufacturing process of the product should not use or produce hazardous chemicals/gases.
- 2.6 Provision for drainage for the waste water.
- 2.7 Should have legs in the base with rotating screw type height adjustments to balance the weight on uneven floor.
- 2.8 The unit should have ground clearance of minimum 100 mm.

**3 Technical Specifications:**

- 3.2 Construction: 3.2.1 Internal: Stainless 304 grade steel and 20 guage. 3.2.2 An additional special ice lining consisting of icepacks covered by strong plastic shell.
- 3.3 External: Corrosion Resistance (CR at least 1 mm thickness)
- 3.4 Chest type with CFC – free insulation
- 3.5 Should have horizontal water cool pack covering the top of the basket.
- 3.6 Solid door with lock and handle
- 3.7 Type: Compression Cycled, CFC-Free (both for refrigeration and insulation) All system tubing (suction tube, freezer tube and condensing tube) should be of minimum 99.97% of pure copper coil.
- 3.8 Temperature of a full vaccines to remain +2 deg C to +8 deg C during continuous availability of energy at ambient temperature +5 to +45 deg. C with intermittent/continuous electricity supply 8 hrs in a 24 hrs cycle. The temperature difference between any two points in the cabinet should not be more than +2 deg. C once stabilized. 3.9 Inlet of Capillary should be outside the PUF body.
- 3.10 ON/OFF Switch and power indicator should be available
- 3.11 Net Vaccine Storage Capacity: Minimum 300 liters within basket in place.
- 3.11 A Micro processor based control unit should be provided for setting of temperature and display following features:
  - 3.1.1 3 digit digital display (to one decimal point) of cabinet temperature. The sensor should be placed 25 to 50 mm above base of storage chamber.

## **INQUIRY NO. Admn/Gen/29-01/2017-AIIMS.JDH**

3.1.2 Power on LED/LCD indicator

3.1.3 Audio (minimum 65 dBA) and visual alarm against the violation of temperature range

(less than +2 and more than +8 degree C)

3.1.4 Min. & Max. cabinet temperature digital display of last 24 hrs. and breaches during last 24 hrs.

3.1.5 The unit should be sealed/protected from dust, moisture or condensed water falling over it.

3.12 Accuracy for digital controller +/- 0.5 degree centigrade.

### **4 System Configuration**

4.1 Programmable Micro-processor control unit with child lock facility.

4.2 Should have provision to set minimum and maximum temperature at 0.1 degree Centigrade to programme the unit for continuous operation.

4.3 Should have provision for defrosting program.

### **5 Accessories, spares and warrantee:**

5.1 The equipment should have **minimum warrantee of sixty months** after installation or sixtysix months after the supply whichever is less.

5.2 Vaccine Storage Basket allowing free circulation of air, having the size to be able to accommodate 4 to 6 of them in the unit and suitable to match the net volume requirement. It should be minimum 5 wire basket.

5.3 Stem Alcohol thermometer (specifications and standard as per MOHFW / WHO approved Annexure-1) - one piece per unit range of -30 to +50 degree centigrade.

5.4 The supplier is required to maintain all the spare parts throughout the warrantee period and not less than ten years. The supplier should provide the following spare parts for every 10 units.

5.5.1 Starting device for compressor- 10

5.5.2 Capacitor for compressor -10

5.5.3 Thermostat for refrigerator use -10

5.5.4 Compressor-01

5.5 All parts will be supplied at respective state head quarter. The actual list of the consignee enclosed as Annexure-2 .All spare will be provided at the time of NOA.

### **6 Environmental factors:**

6.1 The unit shall be capable of being stored continuously in ambient temperature of 0 to 50deg C and relative humidity of 95%

6.2 The unit shall be capable of operating continuously in ambient temperature of 5 to 45 deg C and relative humidity of 90%

6.3 The plug should be flexible and unbreakable sealed rubber type.

### **7 Power Supply:**

7.1 Power input to be 220-240VAC, 50Hz as appropriate fitted with Indian plug

7.2 Voltage stabilizer as per the MOHFW approved specifications and standard

### **8 Standards and Safety**

## **INQUIRY NO. Admn/Gen/29-01/2017-AIIMS.JDH**

- 8.1 Product should be CE approved as per EC council directive 2004/108/EC for electromagnetic compatibility and 2006/42/EC by European Union (EU) approved agency
- 8.2 Should meet WHO/UNICEF Standard WHO/PQS/E03/RF03.1 for Ice Lined Refrigerators
- 8.3 Test and inspection before despatch as per WHO procedure reference WHO/PQS/E03/RF03-VP.1 Testing should be carried out from WHO certified lab/NABL/STQC Labs. Certificate of testing should be currently valid till the supply and same must be verified by inspecting authority. Testing reports shall be submitted along with unit at the time of supply.
- 8.4 Colour code : WHITE

### **9 Documentation:**

- 9.1 A paper copy of user/operator manuals to be supplied in English.
- 9.2 A paper copy of technical/wiring diagram/maintenance manuals to be supplied in English.
- 9.3 Certificate of inspection for technical compliance from an independent laboratory approved /recognized by WHO certified /National Accreditation Board for laboratories/STQC Labs is essential.
- 9.4 List of important spare parts and accessories with their part number and costing.

### **10 Packing of the equipment during shipment:**

- 10.1 The suppliers should provide strong and sufficient packing to ensure safe arrival of goods at the destination free from loss or damage.
- 10.2 A vertical arrow should be marked at the all sides of packages to ensure transportation of equipment in vertical position. TOP and BOTTOM should also be written.
- 10.3 Top at label and sign age's for HANDLE WITH CARE ON ALL SIDES OF THE CRATES as per packing & shipment norms.

### **11. Following messages should be written at the Top of the ILR**

- 11.1 Place refrigerator at least 10 cms away from the wall and 20 cms away from other equipment for free air circulation.
- 11.2 Use voltage stabilizer provided for the ILR
- 11.3 Safe temperature range +2 to +8° C
- 11.4 Store all UIP vaccines in ILR at CHC/PHC (OPV should be stored in deep freezer at

State/Regional and district vaccine store)

- 11.5 Open the lid, only when needed
- 11.6 Store only UIP vaccines (at PHCs store vaccines and diluents).
- 11.7 Keep all vaccine in wire baskets provided.
- 11.8 Leave space between the vaccine boxes for air circulation.
- 11.9 Place a thermometer in the basket in between the vaccines.
- 11.10 Keep freeze sensitive and closer expiry vaccines at TOP of the basket

**INQUIRY NO. Admn/Gen/29-01/2017-AIIMS.JDH**

- 11.11 Keep heat sensitive and further expiry date vaccines in the bottom of basket.
- 11.12 Avoid removing thermometer from the unit while reading temperature.
- 11.13 Net vaccine storage capacity in Litres
- 11.14 Hold over time in hrs

**[On the letterhead of firm]**

**ANNEXURE "2"**  
**PRICE BIDFORM**

To,

Administrative Officer,  
AIIMS, Jodhpur.

Dear Sir,

1. I/We ..... Submitted the quotation for Enquiry No. "QUOTATION FOR SUPPLY OF ICE LINE REFRIGERATOR AT AIIMS AGAINST THE INQUIRY NO. Admn/Gen/29-01/2016-AIIMS.JDH" DUE ON 25.08.2016 05.00 PM for supply of Ice Line Refrigerator at AIIMS Jodhpur".

2. I/We thoroughly examined, understood and accepted terms & conditions given in the enquiry document, failing which my quotation will be rejected out rightly.

3. I/We hereby offer to supply at the following rates.

S. No.	Particulars	Qty	Make	Model	Price/Unit Exclusive of TAX (INR)	TAX %	Price/Unit inclusive of TAX (INR)	Total Amount Inclusive of TAX (INR)
1	Ice Line Refrigerator	01						

Date \_\_\_\_\_

Place \_\_\_\_\_

(Signature of Authorized Person) \_\_\_\_\_

(Name) \_\_\_\_\_

Name of Firm/Company/Agency \_\_\_\_\_

Phone No. \_\_\_\_\_

Email: \_\_\_\_\_