



## Rajasthan Medical Services Corporation Limited, Jaipur

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No. F-8(257) RMSC/EPM/M-2/NIB-618/2021-22/1314

Date:- 15/11/2021

### Clarification/Corrigendum/Addendum

**Subject:- Revised Technical Specification for NIB No. F-8(257) RMSC/EPM/M-2/NIB-618/2021-22/1004 Dated: 18.08.2021 for item ICE LINE REFRIGERATOR-ILR 250-300 Ltr.**

In Reference to subject cited above and NIB-618, the various representations received from the firms and issues raised by the Bidders are examined by the competent Authorities and technical committee. The following Corrigendum/Addendum is issued for inclusion in bid document as below:-

### Revised Technical Specification of ICE LINE REFRIGERATOR-ILR 220 Ltr.

S. No.	Amended Technical Specification
1.	<ol style="list-style-type: none"><li>1. Description of Function<ol style="list-style-type: none"><li>a) Ice lined refrigerator maintain temperature of +2°C to 8°C and in case of power failure, it should maintain temperature of +2°C to 8°C at least for 48hrs.</li></ol></li><li>2. Operational Requirements:<ol style="list-style-type: none"><li>a) Designed for tropical climates</li><li>b) Target holdover time should be 48 hrs or more in continuous external temperature of 43°C (Test report for hold over time from NABL accredited lab must be submitted in technical bid.</li><li>c) Hot and Cold compressor starting minimum at 172 Volts (22% below rated voltage)</li><li>d) Manufacturing process of the product should not use or produce hazardous chemical gases</li><li>e) Provision for drainage for the waste water.</li><li>f) Should have legs in the base with rotating screw type height adjustments to balance the weight on uneven floor.</li><li>g) The unit should have ground clearance of minimum 70 mm.</li></ol></li><li>3. Technical Specifications:<ol style="list-style-type: none"><li>a) Net Storage Capacity 220 liters and above.</li><li>b) Freeze protection: Grade A, User independent freeze protection.</li><li>c) Construction<ul style="list-style-type: none"><li>• Internal: Stainless 304 grade steel/Pre Painted Galvanized/Corrosion resistant polymer.</li><li>• An additional special ice lining for maintaining holdover time</li></ul></li><li>d) External: Corrosion Resistance.</li><li>e) Chest/Front type with CFC-free insulation.</li><li>f) Should have horizontal water cool pack covering the top of the basket in chest type equipment. In case of front opening equipment appropriate provision to reduce cooling loss at the time of door opening.</li><li>g) Solid door with lock and handle.</li><li>h) Type: Compression Cycle, CFC free (both for refrigeration and insulation). All system tubing (suction tube, freezer tube and condensing tube) should be of minimum 99.97% of copper coil.</li><li>i) Temperature of a full vaccine and medicine to remain +2 deg C to +8deg C during continuous availability of energy at ambient temperature +5deg C 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.</li><li>j) Inlet of Capillary should be outside the PUF body.</li><li>k) ON/OFF Switch and power indicator should be available.</li></ol></li></ol>

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- l) A Microprocessor based control unit should be provided for setting of temperature and display following features:
  - 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.
  - Power on LED/LCD indicator
  - Audio (minimum 65 dBA) and visual alarm against the violation of temperature ranger (less than +2 and more than +8 degree C)
  - Min. & max. Cabinet temperature digital display of 24 hrs. and breaches during last 24 hrs.
  - The unit should be sealed/protected from dust, moisture or condensed water falling over it.
  - Accuracy for digital controller  $\pm 0.5$  degree centigrade.
4. System Configuration
  - 1) 42 Programmable Microprocessor control unit child lock facility.
  - 2) Should have provision to set minimum and maximum temperature at 0.1 degree Centigrade to programme the unit for continuous operation.
  - 3) Should have provision for defrosting program.
5. Accessories and spares
  - a) Storage Basket allowing free circulation of air, having the size to be able to accommodate 4 to 6 of them in them in the unit and suitable to match the net volume requirement. It should be minimum 5 wire basket.
  - b) Stem Alcohol thermometer (specification and standard as per MOHFW approved Annexure-1) - one piece per unit range of -30 to + 50 degree centigrade.
  - c) The supplier is required to maintain the entire spare throughout the guarantee period.
6. Environmental factors:
  - a) The unit shall be capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 95%
  - b) The unit shall be capable of operating continuously in ambient temperature of 5 to 45 deg C and relative humidity of 90%
  - c) The plug should be flexible and unbreakable sealed rubber type.
7. Power Supply
  - a) Power input to be 220-240 V AC, 50 Hz as appropriate fitted with Indian Plug.
  - b) Suitable capacity Voltage Stabilizer (with 5 minute delay time) as per requirement of ILR should be provided.
8. Standards & Safety
  - a) **Product Should be WHO-PQS qualified and meet WHO-PQS standard WHO/PQS/E03/RF03.2 for Ice Lined Refrigerators.(Relevant test report from NABL accredited lab must be submitted in technical bid and WHO/PQS certificate must be provided with technical bid.**
9. Documentation:
  - a) A paper copy of user/operator manuals to be supplied in English
  - b) A paper copy of technical/wiring diagram maintenance manuals to be supplied in English
  - c) Certificate of Testing should be submitted at the time of supply from NABL certified lab/ILAC/STQC Labs.
10. Packing of the equipment during shipment:
  - a) The supplier should provide strong and sufficient packing to ensure safe arrival of goods at the destination free from loss or damage.
  - b) Vertical arrow should be marked at all sides of packages to ensure
11. Terms & Conditions
  - a) Guarantee: Three years on equipment from the date of installation.
  - b) CMC (with spares) will be given @5% of net rate-inclusive of GST (as applicable) &

<p>yearly escalation of 5% on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion guarantee period.</p> <p>c) Installation and Training will be done by the supplier free of cost.</p> <p>d) The service engineer should be based in Rajasthan.</p> <p>e) The company should mention the make and model name/number of the quoted equipment and submit the technical brochure of the quoted model in the technical compliance sheet as per technical specification.</p>
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**1. Date extension of Bid:-**

Existing Dates			Extended Dates		
Last Date & Time of Online Downloading of Bidding Document	Last Date & Time of Online Submission of Bid	Date & Time of Online Opening of Technical Bid	Last Date & Time of Online Downloading of Bidding Document	Last Date & Time of Online Submission of Bid	Date & Time of Online Opening of Technical Bid
22.11.2021 06:00 PM	22.11.2021 06:00 PM	23.11.2021 03:00 PM	25.11.2021 06:00 PM	25.11.2021 06:00 PM	26.11.2021 03:00 PM

All other terms & conditions remains the same.

  
**Executive Director (EPM)**  
**RMSCL, Jaipur**