## SPECIFICATIONS FOR BLOOD INCUBATOR- LARGE

## A. TECHNICAL SPECIFICATIONS:

1. Chamber Volume : Chamber Volume appx. 20 cu. ft. /566 L

2. External Dimensions : not more than 32x34x82 (LX WXH) inches

3. Temperature range  $: -10^{\circ}\text{C to} + 50^{\circ}\text{C}$ 

4. Temperature accuracy : + 0.1° C

5. Refrigerator : 1/6 Hp (HBP compressor)

6. Shelves : Stainless steel wire, electro polished and separable

7. Number of Shelves : 06

8. Safety device :Door key lock to protect samples from unauthorized

access or CLS (custom logical safe) - control system

9. Microprocessor PID control

10. Easy-to-clean, corrosion-resistant construction

11. Energy conserving compressor relay

12. Push-button controls.

13. CFC-free, foamed polyurethane insulation

- 14. Temperature set point selection with High/Low-Temperature selection and easy calibration.
- 15. Easy-to-read display showing actual temperature within 0.1°C
- 16. Forced air convection with an optimal cross flow type fan to maintain excellent temperature uniformity inside the incubator and fan speed can be controlled in three steps
- 17. Optimized sample inspection through a tempered inner glass door without affecting chamber temperature
- 18. Over / Under temperature alarm,
- 19. Protected set point mode to prevent accidental temperature change

So les /as

- 20. The temperature record should be electronically logged (that can be retrieved eg by USB port) and also documented on a physical inkless thermograph; preferably with a 7-day, graphic chart recorder with the supply of free charts for the full period of warranty.
- 21. Power input to be 220-240VAC, 50Hz fitted with a plug compatible with a local electrical socket.

Q.

MD, IDCC, IFCCM, FICCH PACE

Deproved of Conference Medical University, 1889

KO.

# B. ACCESSORIES: (to be provided free of cost)

- Suitable Stabilizer/CVT i.
- Should be provided with electrical peripherals for smooth functioning i.e. suitable ii. online UPS for 30-minute backup.
- Should provide a set of equipment for calibration (eg thermometer) and routine iii. Preventive Maintenance as per manufacturer documentation in service/technical manual.
- Temperature recorder chart paper for the full period of warranty.

## C. STANDARDS, CERTIFICATION, AND SAFETY:

a) Certificate of calibration and inspection from the factory(NABL compliant)

#### D. DOCUMENTS REQUIRED:

- 1. User operating manual /Technical/ Maintenance Manuals in English
- 2. Certificate of Calibration, Validation, and Inspection (NABL Compliant) at the time of installation.
- 3. Operation qualification, Performance qualification, and Installation qualification Certificate should be submitted at the time of Installation.
- 4. Log Book with instructions for daily, weekly, monthly, and quarterly maintenance checklists.
- 5. List of users especially Govt. institutes and a List of at least 3 installations and satisfactory performance certificates from government hospitals/NABL certified labs, especially from the HOD or in charge of the lab should be furnished in the technical bid.
- 6. Original documentary proof of the date and place of manufacturing of supplied equipment.
- 7. Complete circuit diagram of the Equipment(wherever applicable)
- 8. Certificate of Traceability for calibrators, traceable to national/international reference standards to be submitted at the time of bidding of tender.
- 9. List of all spares (with their part number), accessories, and consumables and their cost including reagents, calibrators, suitable QC sera, maintenance kits, and Cost per test as per the pack size wherever applicable, and price should be fixed for 5 years.
- 10. Compliance report Performa: compliance statement vis-à-vis specifications to be submitted in a tabulated and pointwise Performa mentioning the page/ paragraph/ line number of original catalog/ datasheet/ technical literature.

Prof. Avinash Agrawal MD, IDCC, IFCCM, FICCM, FIACCM, FCCP (USA) Head, Department of Critical care, King Georgpage 2 coff Iniversity, UP, Lko.

#### **Conditions for tenderer:**

- 1. All accessories should be from the same Original Equipment Manufacturer for the main unit.
- Instruments must be ISO certified and a copy should be enclosed. (The ISO
  Certificate must be issued by any organization accredited by the Bureau of Indian
  Standard or accredited by the international accrediting forum "IAF" (Certificate to be
  attached).
- 3. Should be USA FDA and/ or European CE be approved by 4 digits notified body.
- 4. Other necessary certifications if any required will be provided by the bidder for the smooth functioning of the machine.
- 5. Installation process should be performed by O.E.M trained service engineers/ service representatives on OEM letterhead or Service Report within 15 days of supply, with the mandatory provision of providing preventive services visit of OEM trained Service Engineer/ Service Representative quarterly per year till the completion of warranty period (i.e., 20 visits for the first 05 years) & further quarterly visits (04 visits/year) year till the completion of CMC period.
- 6. The equipment should have a Brand name/ Model Number embossed/etched on the equipment.
- 7. All the technical specifications in the compliance statement must be supported by Original Literature from the firm/ O.E.M with highlighting Numbering & flagging of all technical certificates.
- 8. Offered Equipment should have a strong Government Installation base.
- 9. Offered Equipment should have a Regional Sales Service Centre of the Original Equipment Manufacturer in the region for a 95 % uptime guarantee.
- 10. For the offered main unit, the essential, optional required consumables'/accessories' shelf life should be declared on the Original Equipment Manufacturer's letterhead.
- 11. In case of technical snag/failure/breakdown the response time for the inspection should be within 24 hours and repair within 05 days otherwise provide a service machine/ alternate arrangement to be made till the period of recovery of the breakdown of the unit, failing which attracts penal action as per the decision of institute/ hospital.

Joy /2

P.

Prof. Avinash Agrawal
MD, IDCC, Page 3 of Staccm, For the Month of Critical Care,
King Corge's Marcal University, UP, Lat

- 12. For offered equipment the Training of technical staff and users should be performed by Original Equipment Manufacturer trained Service Engineers at the proper designated place- at bidders' cost.
- 13. Company should quote their latest model and need to provide an affidavit for the same.
- 14. As a tendering process the Demonstration of the offered Equipment is Mandatory at hospital/institute premises or other designated places at the bidder's cost.
- 15. The bidder must comply with the General Financial Rules and their modifications if any issued by the Government of India- 2017.
- 16. Any bidder from a country that shares a land border with India will be eligible to bid in the tender only if the bidder is registered with the Competent Authority (i.e., Registration certificate issued by the Ministry of Commerce and Industry (Department for Promotion of Industry and Internal Trade- DPIIT after October 2020). If any such bidder is not registered with DPIIT they will be liable for technical disqualification.
- 17. Principal (OEM) must authorize only one agent to be quoted in the bid otherwise multiple quotes through different agents in the same bid will be canceled.
- 18. The Bidder and its OEM both have to submit a notarized affidavit on the Indian Non-Judicial Stamp Paper of Rs.100/- that the bidder has not quoted the price higher than the current financial year and last financial year supplied to any government Institute/ Organization/ reputed Private Organization. OEM also has to submit that the price quoted by the bidder in the bid is on its behalf and the lowest in the current and last financial year in the country. Therefore, if at any stage it has been found that the supplier and its OEM have quoted lower rates than those quoted in this bid; the Institute (the purchaser) would be given the benefit of lower rates by the Supplier and any excess payment if any, will become immediately payable to the Institute (the purchaser). If such an affidavit is not submitted, the bid will be outrightly rejected. (Part of technical bid).
- 19. Guarantee / Warranty Period: Separate offers of Comprehensive Maintenance Contract (CMC on main equipment) and Annual Maintenance Contract (AMC on main equipment) for further 5 years after expiry of 5 years of warranty (i.e., 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> years) in rupees only (and on basis of percentage of price) should be

Sele la

ProPage Aof Sgrawal
MD, IDCC, IFCCM, FICCM, FIAC
Read, Department of Character
Ring George's Medical University

Payment for CMC/AMC shall be made only after the expiry of the warranty of 5 years, in case the Institute (the purchaser) decides for availing of CMC/AMC services. Contract for CMC/AMC shall be decided on expiry of warranty but rates (not more than 5% inclusive of all taxes for 6<sup>th</sup> to 10<sup>th</sup> year) will be frozen at the price of an issued purchase order before the release of payment by the Institute (the purchaser). However, the Institute (the purchaser) may decide not to enter into any CMC/AMC contract without assigning any reason for the same, which shall be binding upon the bid.

- 20. Should provide 5-year CMC. CMC cannot be more than 5% of the contract value.
- 21. System configured application-specific educational video tutorials shall be provided as standard with the system.
- 22. Details of service outlet in India to render services during 5 years warranty period.
- 23. The principals must give a certificate if the supplier/vendor is changed during the course of the guarantee/warranty period, the principals would be responsible for the upkeep/maintenance of the quote/supplied equipment, besides honouring all the terms and conditions of CMC/AMC in letter and spirit.

Page 5 of 5

Prof. Avinash A