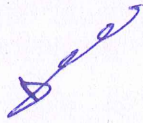




## SPECIFICATIONS FOR BLOOD INCUBATOR- LARGE

### 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°C to + 50°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
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.



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

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

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**Conditions for tenderer:**

1. All accessories should be from the same Original Equipment Manufacturer for the main unit.
2. 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.

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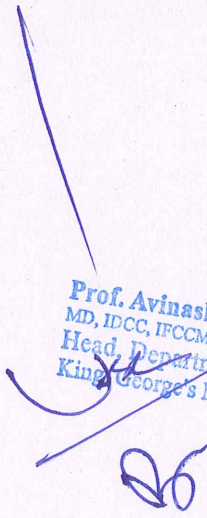
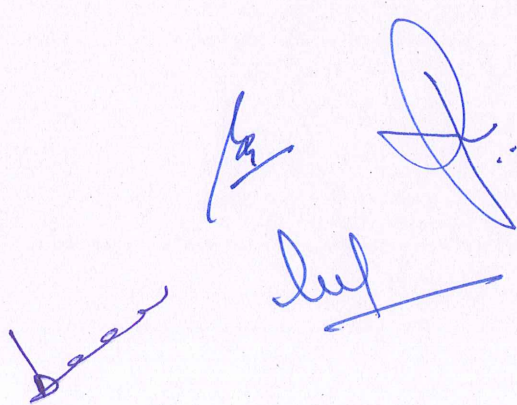
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included in a financial bid in the absence of which the offer is liable to be rejected. Payment for CMC/AMC shall be made only after the expiry of the warranty of 5 years, in case the Institute (the purchaser) decides for availing of CMC/AMC services. 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.



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