



REGIONAL INSTITUTE OF MEDICAL SCIENCES: IMPHAL-795004
(An Autonomous Institute under Ministry of Health & Family Welfare, Govt. of India.)

Rate Quotations

No. E-C/Micro/RIMS-62/14

Imphal the 10/09/2019.

To

Subject:- Submission of Rate Quotation along with dealership/authorized Stockiest /Manufacturer, certificate, terms and conditions for " supply of 2 nos. of vertical autoclave" for use of Microbiology Department of RIMS, Imphal.

Dear Sirs,

I am directed to request you to kindly submit the rate quotation along with a copy of dealership/authorized stockiest/manufacturer certificate, terms & conditions for the supply of 2 nos. of vertical autoclave for use of RIMS, Imphal on or 17th Sept. 2019 up to 4.00 p.m.

The following details, terms and Conditions may please be furnished.

- (1) The price in words and figures should be indicated clearly.
- (2) The warranty period of the items/instrument is 2 (two) years from installation.
- (3) The cover of the rate quotation should be subscribe "Rate quotation for 2 nos. of vertical autoclave "of RIMS Imphal".
- (4) GST charges for the items should mentioned clearly.
- (5) The rate tendered should be valid for one year from the due date of submitting the tenders.
- (6) Firm's GST No., Registration No., PAN No. catalogue etc.
- (7) The supplies should be made within 30 days from the date of placing supply order.
- (8) Failure to supply the items within the stipulated period and also within the validity period, the successful bidder/supplier is liable to be blacklisted.
- (9) Earnest money Rs.6,000/- (Rupees six thousand) only along-with rate quotation should be submitted in the form of Bank Draft from any Nationalized Bank/schedule bank in favour of Director RIMS, payable at Imphal. Interest on such Earnest Money will not be borne by us. The earnest money of unsuccessful firm will be refunded on demand. For the successful bidder, it will be retained as security deposit which shall be refundable after satisfactory completion of supplies. In the event of failure to supply the items within the validity period and within the stipulated period from the date of placing supply order, the security Deposit shall be forfeited without any prior notice.
- (10) Technical specifications at annexure-A. The price of spare/consumable parts should be quoted separately.

Yours Sincerely


(Kaikam Doungel)

Deputy Director (Admn),
Regional Institute of Medical Sciences,
Imphal.

9. VERTICAL AUTOCLAVE

- 1) Sterilization chamber volume of ≥ 70 liters
- 2) Sterilization chamber dimensions (width 30-40 cm, height 70-80cm)
- 3) Microcomputer controlled system
- 4) The sterilization chamber – triple walled unit constructed of corrosion resistant stainless steel (SS 304).
- 5) Heating device (steam generator) horizontally mounted, preferably separated from the chamber with minimal water volume (4-7 litres)
- 6) Air removed by upward displacement
- 7) Automatic water feed, connection to a demineralized water supply
- 8) Integrated pump to equalize pressure variations in external supply lines
- 9) Automatic level control before, during and after the sterilization cycle
- 10) Low water level cut out device
- 11) LCD/LED Display for temperature, steam pressure, sterilization time, stage of cycle and warning/alarm alert checks along with control panel
- 12) Automatic sterilization system for unattended operation
- 13) Maximum operating temperature: 134°C
- 14) Maximum operating pressure: 2.5 bar
- 15) Sterilization timer 1/250 minutes
- 16) The pressure gauge attached to the front side for easy check
- 17) A control panel with
 - a. Temperature setting keys to increase/ decrease temperature
 - b. Real time temperature display
 - c. Graphical display which shows the progress of sterilization cycle throughout the process
 - d. Time display and keys to set time
- 18) The instrument should have Mechanical Safety Devices :-
 - a. Over current protection
 - b. Over temperature protection by automatic power cutoff
 - c. Over pressure protection by automatic and manual safety valve
- 19) The instrument should have Safety Warning System/ alarm
 - a. Over temperature warning
 - b. Sterilization fail warning
 - c. Low water level
- 20) Supplied with two suitable stackable perforated stainless steel bucket with handle for sterilization
- 21) Supplied with an Extra silicone or suitable gasket.
- 22) Lid made of SS304 with insulation cover to prevent hot burns to user
- 23) Top opening lid, should have foot mediated opening facility also. Fast safety lid lock.
- 24) Control lock-out switch that prevents starting a cycle if the door is not locked safely
- 25) Control that prevents opening the door until chamber is depressurized.
- 26) Temperature dependent door locking system according to international standards.
- 27) Exhaust valve knob and air release knob should be present
- 28) An exhaust bottle to recover and cool down the steam exhausted from the chamber. The steam should not be exhausted openly in the room

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- 29) Drain port for draining water inside the chamber
- 30) Water level sensor to detect & display warning if water level is below acceptable range
- 31) Element heater to heat the sterilizing water inside the chamber
- 32) Piping diagram demonstrating the flow of water and steam should be there in the accompanying manual
- 33) **Power Supply:** 220/230 volts AC-50 Hz 3 phase

General specifications:

1. Satisfactory working report of the quoted model from any reputed government institutes/hospitals should be included(within two years of submission of bid).
2. All equipments should specify Design qualifications, Installation qualifications, Operational Qualifications and Performance qualifications. Validation and calibration reports should have traceability towards applicable national / international standards.
3. Original product catalogue should be provided by the firm.Necessary documents, technical write up in English shall be attached with the offer both in hard and soft copies.Performance, efficiency, other factors such as distortion etc. as applicable be also furnished.
4. Installation : the bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the laboratory in advance. Onsite, in lab customer training to be provided.The equipment should be supplied with 2 meter cord at input and fitted with plugs of appropriate rating(5/15Amp)
5. 5 years back to back warranty followed by 5 year CMC should be provided by the company and warranty should commence only after delivery of satisfactory working report.
 - a. Complete with comprehensive set of spare parts.
 - b. The make, rating, model, description, specifications, quantity of each item shall be furnished separately.
 - c. Downtime commitment to be restricted to maximum period of 48 hours in metro cities and 96 hours in hard to reach areas (working days) and punitive actions shall be taken in case of failure to maintain the desirable downtime.
 - d. Preventive maintenance plan and technical support to be provided.
6. A suitable voltage stabilizer to be given. A line voltage corrector of appropriate rating should form part of standard configuration. Copper wound single phase automatic line voltage corrector conforming to IS: 9815(St.I)/94 with latest amendments or equivalent international standards fitted with a voltmeter and switch to indicate output/input voltage as under:
 - a. Capacity/rating: 10 KVA: As per the requirement of the equipment.
 - b. Output voltage: 220 volts \pm 10% volts. Input-out voltmeter and ampere meter. Protection: high-low voltage cut-off, overload and short circuit protection.
7. Certifications:
 - a. Product Certification : CE Class II A or US FDA certified
 - b. Quality Certification : BIS/ISO certified
 - c. Electrical Safety : Equipment meets electrical safety specifications such as that of IEC (Class I)

The committee approved the specification of verticle autoclave

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