



NATIONAL INSTITUTE OF UNANI MEDICINE

Kottigepalya, Magadi Main Road, Bangalore – 560 091
(An autonomous body under Ministry of Ayush, Govt. of India)
(Accredited to NABH)



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Date. 16/07/2021.

To,

Subject: Quotation for Supply & Installation of Autoclave Machine for Maternity O.T, Hospital, NIUM : – reg.

Sir,

With reference to the subject mentioned above, quotations are invited from reputed registered Firm/dealers/Agency for the Supply & Installation of Autoclave Machine for Maternity O.T, Hospital, NIUM as detailed below.

Sl. No	Name of the Items	Specification /Make	Quantity Required.	Amount (₹)	Total GST Amount (₹)	Grant Total (₹)
01	Autoclave Machine	<p>Horizontal Rectangular Steam Sterilizer, Single Door Standard Model Parameter Operating pressure : 1.2 to 2.2 kg Operating temperature : 121 to 134°C Partial Vacuum : 10” hg Full Vacuum : 26” Hg through your vacuum pump only Hydro test : 2.6 kg / cm²</p> <p>Features Fully stainless steel, except stand, panel boiler cover & hinge Digital temperature indicator cum controller cum timer & alarm after completion of cycle. In built steam generator. Low water level cut off system with buzzer</p> <p>Model Size – Internal Capacity Power MEC-24, 16” Dia. X 24” Depth, 76 Liters / 2 Drum, 9 k.w Watering type vacuum pump with S.S Condenser & Starter for pre-post vacuum</p> <p>Horizontal Cylindrical Steam Sterilizer – Standard Model Mode of Heating : Electrical – 3 phases Working Pressure : 1.2 to 2.2 kgf /cm² g</p>	01 No.			

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	<p>Working Temperature : 121 to 134°C</p> <p>Hydraulic test pressure : Jacket : 4.4 kgf/cm² Chamber : 3.3 kgf/cm²</p> <p><u>Material of Construction:</u> Chamber : S.S. 304 quality, 5 mm. thick. End-ring : S.S. 304 quality, 10 mm thick. Jacket :S.S. 304, quality- 5 mm thick Back plate: S.S. 304, quality- 5 mm thick Door plate : S.S. 304 quality, 12 mm plate. Insulation : Fibre Glass wool. (50 mm. thick) Outer cover : S.S.304, 20 G. sheet – mirror polished Pipe lines : S.S.304 quality seamless. Fittings / Connections : S.S. 304 quality, B.S.P. threading. Lock/ radial arm / hinge : C.I. powder coated Gasket : Silicone rubber, joint-less square type. Stand : M.S. duly painted</p> <p><u>Steam Generator (Boiler)</u> Shall be attached to underneath the jacket & fitted with</p> <p>M.O.C.: S.S. 304 quality -14 G thick with heater plate of S.S. 304 quality 12mm thick & Boiler cover with perforation. Heater (ISI Make) : Water immersion type industrial. Water level magnetic switch: To protect heater from low water level. Glass tube : To indicate water level in boiler. S.S. Ball Valves : For water inlet & outlet.</p> <p><u>Detailed Control & Fittings:</u> <u>Electrical Panel:</u> Contactor: Cutler and Hammer make Pressure Switch : Danfoss make – Model – RT100 Indicating lamp: Neon lamp for main and heater. Digital-Temperature controller, timer and alarm: MODI's make</p> <p><u>Utilities for Sterilizer (not in our scope of supply)</u> Electrical: 62 Amps, 4Pole switch with 3 phase, Neutral & Earthing. Water: ½" galvanized line. Corporation water or soft water</p>				
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	<p>advisable. Drain: 2" galvanized pipe line. Area: 7' X 8' Multi control operating valve : To carry out all functions of cycle at one point i.e. Jacket to Chamber, Chamber fast-slow exhaust, Vacuum drying. Door : Single door shall be fitted with radial arms & automatic pressure locking device so that the door cannot be opened till the steam is fully exhausted from the chamber. Quick vacuum drying- Apparatus : This allows the filtered and sterile air to break the chamber vacuum & helps in quick drying. Accidental vacuum - breaker / jacket air valve : A safety device for jacket against accidental vacuum and for automatic air removal to obtain saturated steam. Safety valve : A safety device against excess pressure - in jacket / steam generator. Dial type thermometer: Mercury type- Indicates sterilization temperature. - micro Plug screen : A device to prevent large particles from entering chamber drain line. Compound Gauge : Indicates chamber pressure/ vacuum – Micro make Pressure Gauge : Indicates jacket / boiler pressure- Micro make Steam trap : FT 14 float type, Rex make Non Return Valve : Swing type. G.M. Ejector : For fast drying Valves : S.S. 304 quality Chamber condensate line : Is fitted with a thermostatic steam trap and check valve for thorough evacuation of air and condensate from the chamber to achieve optimum temperature. Drain line : S.S. 304 quality – 2" N.B. drain haider</p>				
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Two Bid System:- i.e Technical bid consisting of all technical details & Financial Bids/ quotation indicating items wise price for the items mention in the technical bid.

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The Technical bid and the financial bid should be sealed by the bidder in separate covers duly superscribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed. The technical bids are to be opened by the Purchase committee at the first instance and evaluated by a competent committee or authority. At the second stage, financial bids of only the technically acceptable offers should be opened for further evaluation and ranking.

The competitive rate with above specification by clearly mentioning taxes applicable if any, time required for supplying the items with the terms & conditions, Copy of GST Certificate may kindly be enclosed.

Note: The Firm / Agency's who fulfill the following requirement shall be eligible submit their Technical & Financial Bids.

Wherever required Test Certificate should be sent along with relevant document.

Incomplete bids are liable for rejection. Late / delayed offer will not be considered.

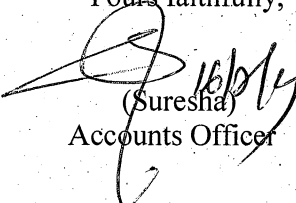
NIUM is not responsible for any delay / loss of documents in transit.

NIUM reserves the right to reject any or all tender without assigning any reason.

The envelope containing quotation should be super scribed as **"Quotation for Supply & Installation of Autoclave Machine for Maternity O.T, Hospital, NIUM"**

The last date for the submission of quotation is: 06/08/2021.

Yours faithfully,


(Suresha)
Accounts Officer

Distribution :

1. Dr. Ismath Shamim, Maternity Unit I/c, NIUM, for information.
2. Website in-charge for information and to upload quotation in NIUM- website.
3. Concern file.
4. Guard file.