



NATIONAL INSTITUTE OF UNANI MEDICINE

Kottigepalya, Magadi Main Road, Bangalore – 560 091.

(An autonomous body under Govt. of India, Ministry of AYUSH)

Tel : 080-23584260

Fax: 080 -23584180

F.No.04-03/2017-18/NIUM/Admn./Vol.IV/3017

Date. 30/10/2018.

(Procurement of Hospital Equipment)

To,

Subject: Invitation of Quotation for supply of Autoclave for Hospital, NIUM: – reg.

Sir,

With reference to the subject mentioned above, Quotations are invited from reputed registered dealers for the supply of Autoclave as detailed below.

Sl. No	Name of the Items	Specification /Make	Quantity Required.	Amount ([₹])	Total GST Amount ([₹])	Grant Total ([₹])
01	Autoclave	Horizontal Rectangular Steam Sterilizer, Double Door, electrically operated. Parameter Operating pressure : 1.2 to 2.2 kg/cm ² Operating temperature : 121 to 134°C Partial Vacuum : 10” hg Full Vacuum : 26” hg – through vacuum pump only Hydro test : 4.4 kg Features Standard – manually operated Double door model Fully stainless steel except stand, jacket, panel boiler cover, door lock & hinge In built steam generator. Perforated tray in place of loading carriage / trolley Bearing ISI 3829 Part I & II/ ISO - 13485:2016 / CE mark Model Size – Internal Capacity Power MER-12 600 mm x 600 mm x 900 mm Depth 340 Liters 18 k.w Optional Double Door with Flush mounting Watering type vacuum pump with S.S Condenser & Starter Semi automatic : Digital temperature indicator cum controller cum timer & alarm with front paneling model along with thermal printer without solenoid valve Technical Specification Mode of Heating : Electrical	01 Set			

		<p>Working Pressure : 1.2 to 2.2 kgf /cm² g Working Temperature : 121 to 134°C Hydraulic test pressure Jacket : 4.4 kgf /cm²g Chamber : 3.3 kgf /cm²g</p> <p><u>Material of Construction:</u> Chamber : S.S. 316 L quality, 6 mm. thick. End-ring : S.S. 316 quality, 10 mm thick. Jacket : Boiler quality – 10 mm thick Back plate for single door : S.S.316 quality, 8 mm thick Door plate : S.S. 304 quality, 12 mm thick. Insulation : Glass wool. (50 mm. thick) Outer cover : S.S.304, 20 G. sheet – mirror polished Pipe lines : S.S.316 quality seamless. Fittings / Connections : S.S. 316 quality, B.S.P. threading. Lock/ radial arm / hinge : C.I. & EN-8 quality – powder coated Gasket : Silicone rubber, joint-less hollow type. Stand : M.S. duly powder coated</p> <p><u>Detailed Control & Fittings:</u> Control / Ball Valve : To carry out all functions of sterilization cyclei.e. steam to jacket, steam to chamber fast/slow exhaust & vacuum/ drying, fresh air etc.... Door : Hinge type Double door shall be fitted with horizontal type opening & 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 (Temperature gauge) : Indicates sterilization temperature. Plug screen : A device to prevent large particles from entering chamber drain line. Compound Gauge : Indicates chamber pressure/ vacuum. Pressure Gauge : Indicates jacket / boiler pressure. Steam trap : FT 14 float type Non Return Valve : Swing type. G.M. Ejector : For fast drying Valves : S.S. 304 quality ball valve 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. 2” manifold Vacuum Pump : 3 H.P Watering type vacuum</p>				
--	--	--	--	--	--	--

	<p>pump with S.S Condenser & Starter <u>Steam Generator (Boiler)</u> Shall be attached to underneath the jacket & fitted with</p> <p>Heater : Water immersion type industrial, ISI mark Water level : magnetic switch To protect heater from low water level. Glass tube : To indicate water level in boiler. Valves : For water inlet & outlet.</p> <p><u>Panel Board</u> Panel board equipped with</p> <p>Pressure switch, Danfoss make. Air break contactor, Cutler & hammer make Indicating neon lamps, Captain make On-Off Toggle switch Digital temperature indicator with timer & alarm.</p>				
--	---	--	--	--	--

The quotations may be submitted in a sealed cover quoting 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

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

If the item is not supplied within stipulated period and not as per specification, NIUM is having right to accept or reject whole lot or part of it.

In case the items are not supplied in time, Penalty of 5% for delay upto 15 days from the last date & 10% beyond 15 days upto one month shall be levied. If the firm fails to supply the items as per Supply Order, the item will be procured from other bidder & the difference amount shall be recovered from the bill of the firm or otherwise.

The envelope containing quotation should be super scribed as **“Quotation for supply of Autoclave for Hospital, NIUM”**

The last date for the submission of quotation is: **22/11/2018.**

Yours faithfully,

Sd/-

(Suresha)
Accounts Officer

Distribution :

1. Dr. S. Shah Alam, DMS, for information.
2. Website in-charge for information and to upload quotation in NIUM- website.
3. Concern file.
4. Guard file.