



# 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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F.No.115-2/2020-21/Accts/NIUM/ 1411

Date. 11/02/2021.

To,

**Subject: Invitation of Quotation for Supply & Installation of O.T. Table & Steam Sterilizer for Dept. of Jarahat, NIUM: – reg.**

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Sir,

With reference to the subject mentioned above, Quotations are invited from reputed registered dealers for the Supply of O.T. Table & Steam Sterilizer for Dept. of Jarahat, NIUM as detailed below.

Sl. No	Name of the Items	Specification /Make	Quantity Required.	Amount (₹)	Total GST Amount (₹)	Grant Total (₹)
01	O.T Tables	O. T. Tables:- Make & Model: Alphaclassic PRO by MAQUET GETINGE GROUP FDA approved: yes Table Top length: 2140 mm Table Top width: 590 mm Table Top Longitudinal Sliding: 310 mm Fluoroscopy Coverage (C-arm access): 1100 mm / 1200 in reverse Weight bearing capacity: 360 kg Min height: 600 mm Max height: 950 mm Leg plates: split leg plates Leg plates Up/Down/Hospital: 0/-90 Lateral Tilt: 15 Deg. Trendelenburg / rev: 25 Degree Trendelenburg: 25 Degree Back up/Down: +70 degree/ 110 deg Autolevelling: Yes Pre Programmed Flex/Reflex: 220 deg/110 deg Self Compensating Floor: Locking Device: Yes Auxillary Control: Over ride panel Foot Control: Yes Hand Control: Yes Back up Battery: Yes	02 No's			
02	Table Top Steam Sterilizer	<b>TECHNICAL SPECIFICATION of TABLE TOP STEAM STERILIZER</b> <b>i.Capacity:</b> 20 Litres <b>ii. Chamber Size:</b> The sterilizer should have a Rectangular chamber with maximum processing capacity per charge at least 5 S.S. trays of 325 x 185 x 15mm size <b>iii. Quality System Compliance:</b> Sterilizer should comply the quality systems as per ISO 9001:2000, EN ISO 13485:2003, ISO 14001:2004.	01 Unit			

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		<p><b>iv. Quality Standards:</b> Sterilizer should comply the quality standards of Medical Device Directive (MDD), EN 13060, EN 285</p> <p><b>v. Quality Assurance:</b> Sterilizer should be CE Certified or other relevant</p> <p><b>vi. Types of Cycles Process:</b> Table Top Sterilizers should be equipped with B-process, N-process as per latest EN 13060 Proof of declaration of conformity</p> <p><b>vii. Chamber:</b> Should be made of S.S.316 &amp; should comply the Pressure Equipment Directive (PED) &amp; EN 13445 norms. Chamber should have minimum 10 years warranty or should confirm 44-50,000 process minimum Life Chamber should have working pressure 2.2 bar &amp; design pressure upto 3.8 bar. Chamber should have Stress &amp; Fatigue analysis reports for material &amp; construction of the pressure vessel Chamber should be equipped with electrically heated jacket for preheating on standby mode</p> <p><b>8. Door Design:</b> Should have horizontal sliding door and the doors should come with silicon elastomeric rubber gasket to withstand temperature upto 140°C &amp; 2560 kg pressure.</p> <p><b>9. Air Filter:</b> An disposable air filter should be provided for filtering the atmospheric air before entering inside the chamber. The filter separation efficiency should be higher than 99.998% for particle size less than 0.3µm.</p> <p><b>10. Cycle programs:</b> 134°C Wrapped. 121°C Wrapped. 134°C Flash/Rapid open instrument cycle 134°C Textile 134°C Prions Test programs: Bowie &amp; Dick, Leak Test.</p> <p><b>11. Water Storage Tank:</b> Sterilizer should have inbuilt water reservoir with storage capacity up to 5 Litres .The water reservoir should have easy access for cleaning &amp; to avoid bio film.</p> <p><b>12. Steam Generator:</b> Sterilizer should have inbuilt steam generator. Any additional feature such as energy storing system for sterilization loads in short time will be preferred.</p> <p><b>13. Control Panel:</b> The control system should be microprocessor based PLC system specially designed for Sterilization applications. The control system should have CPU processor with battery back-up, Digital input/output controls, analog measuring inputs &amp; COM ports for printer &amp; PC connectivity.</p> <p><b>14. Alarms:</b> Automatic process checking &amp; failure correction should be possible by the control sensor system. The range of alarm should include Temperature &amp; Pressure Failure, Phase time-out, not properly closed, power failure (less than 10 seconds be ignored), continuous self-checking of all the safety devices, low water level etc. All the alarms should be audio-vjsual.</p> <p><b>15. Accessories:</b> The sterilizer unit should include Rack with 5 levels &amp; suitable size instrument trays</p>				
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	<p>should be the part of the supply for every sterilizer. The Ster ilizer should have water circulation system so that no drain point &amp; fixed water inlets required.</p> <p><b>16. Electrical Requirement:</b>Fuse of 10 Amp, Voltage: 230V, 50Hz.</p> <p><b>17. Standards &amp; Norms:</b> The sterilize must comply the following standards, MDD 93/42 EEC, PED97/23EEC, 73/23 EEC, EMC Directive 89/336, Machinery Directives 98/37/EEC,IEC/UL/EN 61010-1, IEC/UL/EN 61010-2-041, ISO 9001:2000 (Quality Systems), ISO 9001:2000 (Quality Systems), ISO 13485:2003 (Quality Systems for Medical Devices), ISO 14001 (Environment Management System), ASME SEC VIII, EN13445</p>				
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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.

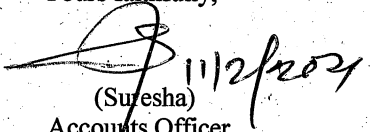
If the item is not supplied within stipulated period and not as per specification, NIUM is having right to accept or reject whole lot or part of it.

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 & Installation of O.T. Table & Steam Sterlizer for Dept. of Jarahat, NIUM”**

The last date for the submission of quotation is: 23/2/2021.

Yours faithfully,

  
(Suresha)  
Accounts Officer

**Distribution :**

- 1.Prof. S.Shah Alam, HoD, Dept. of Jarahat, NIUM for information.
- 2.Website in-charge for information and to upload quotation in NIUM- website.
- 3.Concern file.
- 4.Guard file.