



NATIONAL INSTITUTE OF UNANI MEDICINE

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



Tel : 080-23584260

Fax : 080 -23584180

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Date. 14/01/2019.

To,

Subject: Invitation of Quotation for Harmonic for Operation Theater, NIUM: – reg.

Sir,

With reference to the subject mentioned above, Quotations are invited from reputed registered dealers for the Supply of Harmonic for Operation Theater, NIUM as detailed below.

Sl. No	Name of the Items	Specification /Make	Quantity Required.	Amount ([₹])	Total GST Amount ([₹])	Grant Total ([₹])
01	EES GEN 11	<input type="checkbox"/> System should have a universal connector to connect Ultrasonic energy and Advanced RF energy instruments. <input type="checkbox"/> System should have automatic instrument recognition. <input type="checkbox"/> System should be CE approved. <input type="checkbox"/> System should have a touch screen display for fast and setup, operation and on-screen diagnostics. <input type="checkbox"/> System should have a high-resolution display with wide viewing angles. <input type="checkbox"/> System should have the ability for software updates via USB memory stick. <input type="checkbox"/> System should be a single generator that provides Ultrasonic energy and Advanced RF energy technology for soft tissue dissection and vessel sealing <input type="checkbox"/> System should have a potential equalization terminal for compatibility with other medical systems requiring such connections <input type="checkbox"/> System should conform to the following international standards EN (IEC) 60601-1, EN (IEC) 60601-1-2, EN (IEC) 60601-2-2, EN (IEC) 60601-1-8 <input type="checkbox"/> System should provide Class 1 protection against electric shock <input type="checkbox"/> System should have a single footswitch for operating ultrasonic energy or advanced RF energy instruments <input type="checkbox"/> System should have the ability to select hand switch or footswitch activation or both for Ultrasonic and advanced RF energy instruments and the ability to change selection during use <input type="checkbox"/> System should have 6 international language options with English language as default <input type="checkbox"/> System should not have minimal lateral thermal spread more than 1 mm. <input type="checkbox"/> System should not have an auto switch off mechanism. <input type="checkbox"/> System should have	01			
02	Foot Switch should have min and max foot pedals.		01			
03	Hand piece (Transducer)		01			
04	Connector should connect hand piece to generator		01			
05	Adapters for Ultrasonic and advance RF energy instruments. Hand piece should convert electric energy to mechanical energy		01			
06	Ultrasonic 5mm shaft diameter laparoscopic Curved Coagulating Shears with ergonomic handle length with 36cm and Can seal blood vessels up to 5mm in diameter with ATT technology		04			
07	Ultrasonic 5mm shaft diameter laparoscopic hook blade 32 Cm long		02			

08	Harmonic Ace +7 sheers 36 Cm long shaft with 5 mm dia, Temperature controlled energy delivery which should maintain tissue temperature approximately at 100 degree Celsius and I Blade Technology can seal vessel up to and including 7mm in diameter.	standby mode to ensure safety. □ System should come equipped with system diagnostics and troubleshooting guide to pin point any problems in the systems. □ System should have onscreen warning display system for generator overheating, generator software upgrade, hand piece errors and instrument errors □ System should be able to power ultrasonic energy instruments with 55.5 KHz frequency and have the ability to power ultrasonic energy instruments in the frequency range of 30-80 KHz in future □ System should be compatible for open surgery and for laparoscopic surgery. □ System should be compatible with both 5mm and 10mm instruments. □ System should have at least 5 power settings levels with power level display for ultrasonic energy instruments. □ System should be able to power energy instruments with microprocessor controlled bipolar electro-surgical radiofrequency technology with a quasi-sinusoidal forced impedance output. □ System should be equipped with smart advanced RF energy technology to measure the tissue impedance and control the power delivery. □ System should be equipped with advanced RF energy technology that can simultaneously seal and transect vessels up to and including 7mm, large tissue pedicles and vascular bundles. □ System should be equipped with advanced RF energy technology that provides temperature controlled energy delivery which should maintain tissue temperature approximately at 100 degree Celsius. □ System should have Advanced RF Energy hand instruments with a unique electrode configuration to minimize the lateral thermal spread. □ System should have Advanced RF Energy hand instruments with technology to deliver high compression uniformly across seal area. □ System should have Advanced RF Energy hand instruments that provide tissue / vessel seal strength to withstand bursting pressure of 7 times the systolic pressure. □ All hand probes for open and lap procedures should be able to simultaneously cut and coagulate tissues. □ System should be able to power advanced RF energy hand instruments of 5mm shaft diameter for both open & laparoscopic procedures in the following shaft lengths (14cm, 25cm, 35cm & 45cm) and should be both hand & foot activated. □ Systems should be able to power ultrasonic energy hand instruments of 5mm shaft diameter for both open & laparoscopic procedures and should be both hand and foot activated, with the following specifications 1. Scissor grip Curved Coagulating Sheers with curved, tapered tip for precise dissection and with 240-degree activation triggers that support multiple hand positions in the following shaft lengths (9cm and 17cm). Can seal blood vessels	01			
09	Hand piece For Open Probes (Blue)					
10	Ultrasonic straight shear for open surgery , shaft length 18cm.		01			
11	Ultrasound curved shear for open surgery. HS Focus 9cm with Adaptive Tissue Technology		01			
12	Ultrasound curved shear for open surgery. HS Focus 17cm plus adaptive tissue adoptive technology		01			
13	Tissue sealing probe with 14 cm shaft and 5mm round head		01			
14	Tissue sealing probe for open surgery with 40cm curved jaw and 22 cm shaft		01			
15	Cart For Gen11		01			
16	ENSEAL G2 Tissue Sealer Curved jaw 35cm shaft and 5mm round head with Articulation		01			
17	ENSEAL G2 Tissue Sealer Straight jaw 35cm shaft and 5mm round head with Articulation		01			
18	Harmonic Hd1000i With Adv Hemostasis 36 Cms		01			

up to and including 5mm in diameter 2. Pistol grip Curved Coagulating Shears with ergonomic handle in the following shaft lengths (23cm, 36cm, 45cm). Can seal blood vessels up to and including 5mm in diameter 3. Curved Blade and Dissecting Hook having telescoping shaft (10cm-14cm) with integrated hand activation control buttons. 4. 5mm Lap Dissecting Hook, 32 cm long				
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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 up to 15 days from the last date & 10% beyond 15 days up to 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 Harmonic for Operation Theater, NIUM”**

The last date for the submission of quotation is: **05/02/2019.**

Yours faithfully,

Sd/-

(Suresha)
Accounts Officer

Distribution :

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