ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-29.
STORES SECTION (DO)

Ref. No. 14/Stores(DO)/Pedi.Surg/PAC/2018-19/FSC Dated-08/10/2018

Sub:- Purchase of "Combine RF, Argon Plasma and water jet surgical workstation" for the Department of **Pediatric Surgery** at AIIMS, New Delhi-110029, on proprietary basis **Inviting comments thereon.**

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The Institute is in the process to purchase "**Combine RF, Argon Plasma and water jet surgical workstation**" for the department of **Pediatric Surgery** at AIIMS, New Delhi from **M/s. Erbe Electromedizin GmbH, Germany through M/s. Erbe Medical India Pvt. Ltd.**The PAC Certifications by **M/s. Erbe Electromedizin GmbH** as well as the user department are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within 15 day from the date of issue/uploading of the notification giving reference No. **14/Stores(DO)/Pedi.Surg/PAC/2018-19/FSC.** The comments should be received in office of Stores Officer (FSC), Store Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before **24/10/2018** upto **12.30 p.m.** failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Yours faithfully,

8/10/18.

SR. STORES OFFICER (DO)

Encl: Related documents enclosed.

General Specification for Combined RF, Argon Plasma and Water Jet Surgical Work Station.

An integrated RF, Argon and Kinetic energy surgical platform which can dissect, coagulate and seal the tissues during open and laparoscopic surgeries. System should comprise of below:-

RF Energy Platform -Electro surgery unit with Thermo fusion (Vessel Sealing)

- The electro surgical generator should be a 400watt touch screen display with 15 digital signal processor.
- Unit should facilitate functions of monopolar, bipolar & vessel sealer with in-build regulated power supply adapted for bipolar resection.
- Unite should have a Step-guide suggesting appropriate setting configurations for every instrument and application.
- The system should make 25 million measurements / sec for better tissue effect and should measure tissue impedance through power peak system.
- System should have wifi compatibility for future OR integration.
- Unit should be plug & play with 5 or more universal multi-functional sockets to accommodate and instrument.
- System should have re-mode function to allow user to access 6 sub program directly from the sterile field.
- Unit should have high cut mode for monopolar TUR-P or TUR-B.
- Each socket should support the Autostart function for bipolar instruments.
- Unit should have the facility for socket exchange.
- Unit should have Soft Coagulation mode with quick start function for any open or laparoscopic application.
- Unit should have PreciseSect mode for optimized dissection in open or laparoscopic cases.
- The generator should work on a supply voltage of 100-120 VAC & 220-240 VAC.
- Power consumption at Max HF power should be 550 watts with max pulse power consumption of 1600 watts.
- Should have a special Coagulation mode called "Thermoseal" with auto start function for highly vascularized tissue bundles and vessels upto 7mm diameter and min burst 360mmHg burst pressure.
- Unit should have an AutoCut bipolar mode to facilitate bipolar cutting instruments.
- Supply frequency should be in the range of 50-60 Hz.
- Unit should have the facility to store 1800 programs or applications
- Unit should have the facility to show the active instruments on the screen display
- The Generator should have an inbuilt feature of accessory assignment.
- The unit should have high cut bipolar to facilitate bipolar resectoscopes.
- The generator should be compatible with Argon plasma coagulation unit have forced APC pulsed APC and precise APC modes.
- The generator should be compatible with hydrojet to facilitate use unique hybrid technology instruments for partial nephrectomy/en-bloc resection of prostrate.

Dr. RAJ... Professor of Pediatric Surgery L. H. M. C. & K. S. C. Hospital New Delhi - 110 001

HOD, PEDIATRIC SURGERY Dr. AMITA SEN

Dr. SAMEER KANT ACHARYA HOD Pead. Surgery VMMC & Safdarjung Hospital New Delhi-29

- Unit must be compatible with intelligent smoke evacuation module and suction module
- Unit should support Nessy as a neutral electrode.

Argon Plasma Coagulation

For management of bleeding and devitalisation of tissue abnormalities achieved by optimal coordination with RF generator

- The Argon Plasma Coagulation system should have automatic parameters setting for various types of instruments and automatic depth controlled plasma regulation.
- Should have three different APC modes suitable for different indications
    - Precise APC – adjustment made using the effect settings
    - Pulsed APC – adjustment made using the parameter power settings
    - Forced APC – adjustment made using the parameter power settings
- Should have Adjustable argon flow rate from 0.1L/min to 8L/ min in steps of 0.1 L /min with automatic regulation of selected flow rate.
- Should have the facility to use Argon plasma coagulation and monopolar coagulation simultaneously
- Should have automatic monitoring of flow rate and Argon supply and auto purge facility. It should have the facility to connect with central gas supply.
- Should give visual display of argon gas bottle content and should give Acoustic alarm when bottle content reaches a minimum.
- Should have facility for activation of unit by foot pedal of the Electro Surgical unit.
- Should have facility to use in double balloon endoscopy procedures.
- Should have facility for Argon supported cutting and coagulation.

Dr. RA...
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L. H. M. C. & K. S. C. Hospital
New Delhi - 110 ...

डॉ. अमिता सेन
Dr. AMITA SEN
HOD, PEDIATRIC SURGERY
... Dr. R.M.L. Hospital, New Delhi

14/9/18

DR. SAMEER KANT ACHARYA
HOD Paed Surgery
वीएमएमसी एवं सफदरजंग अस्पताल
VMMC & Safdarjung Hospital
New Delhi-29

Water Jet Tissue Dissection System

For management of separating the different tissue types with their varying elasticity and firmness with the help of adjusted water pressure based on the kinetic energy principle.

- Should have pressure range:1–80 bars & Volume flow:1–65ml/min. It should indicate delivered fluid vol.
- Should adapt any sterile saline solution bag (disposable) as separation medium.
- Should be integrated with Electro surgical workstation with other accessories and facility to connect Monopolar coagulation with the applicator
- Should have facility to individually configure programs for different surgeries.
- Water jet activation should be via footswitch and Remote facility for switching between two different user settings.
- Should have facility for various applicators to be used in Laparoscopy, flexible endoscopy and open surgeries.

Following accessories to be supplied with the workstation.

- Reusable hand pencil with facility for swapping between programs. - 15
- Reusable Thermo fusion hand instrument for open surgeries (for vasculatures up to 7mm). - 5
- Reusable thermo fusion hand instrument for Laparoscopic surgeries (for vasculatures up to (7mm). - 5
- 5mm bowel shaped sealing and cutting hand instrument with maximum of 1.1 mm thermal spread. – 5
- Footswitch with facility for swapping between programs. - 2
- Reusable Bipolar forceps with irrigation port. - 5
- Patient plate with equipotential ring -50 nos.
- Argon Plasma Coagulation 3 button electrosurgical pencil, connecting cable, probes and applicators for both Laparoscopy & Open surgery. - 2
- Argon assisted cutting instrument for open surgery and laparoscopic surgery. - 2
- Water Jet accessories for Laparoscopy and open surgery.
- Workstation trolley with attached suction unit.
- Bipolar Scissor for open and Laparoscopic surgery with cable. - 5
- Laparoscopic Cable attachment for Minimal Invasive Instruments. - 2

Professor of Pediatric Surgery

डॉ. अमिता सेन
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HOD Peadi. Surgery
VMMC & Safdarjung Hospital

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PROPRIETORY/SPECIFIC BRAND GOODS CERTIFICATE

1.	Item/Type/Model No. required alongwith specification.	:	Combined RF, Argon Plasma and Water Jet Surgical Work Station
2.	Is the item a spare part attachment or accessory for an existing equipment	:	No
3.	Name of the Manufacturers/ supplier of the item proposed by the indentor	:	M/s Erbe, Germany / Ms Medex India (P) Ltd. New Delhi
4.	Are they sole manufacturers/ Sole distributors of the item	:	Yes
5.	Is there any other item with Similar/ equivalent specification available in the market to meet the job requirement envisaged. If the answer is yes, why the same can't be procured. Demanding officer should bring out comparative functional advantages/ cost effectiveness of the recommended item from these offered by other.	:	No,
6.	What were the efforts made to locate alternative source of supply or use other substitutes.	:	Internet/no other alternative source for supply of other substitutes
7.	Why open/limited tender can't be resorted to, for locating alternative source.	:	These are proprietary Items of M/s Erbe, Germany
8.	Are the Proprietory items certifying that the rates are reasonable or not.	:	Rates certificate from the firm is enclosed
9.	Any other justification for Procuring item from single source	:	Only single manufacturer

Signature of the Indentor
(Demanding Officer)

COUNTERSIGNED
Head of the Department

I certify that the item at Sr. No. 1 above is required to be procured on single tender basis as the source of supply is definitely known/ the specified brand proposed was advantages in meeting our functional requirements and limited tender systems could be dispensed with as they would serve no useful purpose in this particular case.

(Strike out whichever is not applicable)

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DR. SAMEER KANT ACHARYA
HOD Pead. Surgery
वीएमएमसी एवं सफदरजंग अस्पताल
VMMC & Safdarjung Hospital

डॉ. अमिता सेन
Dr. AMITA SEN
HOD, PEDIATRIC SURGERY
PGIMER & Dr. R.M.L. Hospital, New Delhi

(10)

erbe

power your performance.

Proprietary Certificate

To whom it may concern

Erbe VIO® 3, APC 3 and ERBEJET® 2

This is to certify that the electrosurgical device Erbe VIO® 3 with Argon Plasma Coagulation system APC 3 and the hydrosurgery system ERBEJET 2, built in one workstation are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany and these products are not manufactured elsewhere.

Shilpa Sharma
14/9/18

Date 2018-01-23

Michael Reick, Director Business Management

DR. SAMEER KANT ACHARYA
HOD Pead. Surgery
वीएमएमसी एवं सफदरजंग अस्पताल
VMMC & Safdarjung Hospital
नई दिल्ली-29 / New Delhi-29

डॉ. अमिता सेन
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HOD, PEDIATRIC SURGERY
PGIMER & Dr. R.M.L. Hospital, New Delhi

Proprietary Certificate

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Proprietary Certificate

To whom it may concern

Erbe VIO® 3 and APC 3

This is to certify that the Erbe VIO® 3 with attached Argon Plasma Coagulation system (APC 3), that provides facility to change between programs by a ReMode button, specially designed Cut and Coag modes for different medical and surgical disciplines, like softCOAG®, preciseSECT and dryCUT® and also three different variations in Argon Plasma outputs namely FORCED APC, PULSED APC® and PRECISE APC® are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany and these products are not manufactured elsewhere.

Shilpa Sharma
14/9/18

Date 2017-05-05

Axel Retzlaff, Director Regulatory Affairs

डॉ. अमिता सेन
Dr. AMITA SEN
HOD, PEDIATRIC SURGERY

Erbe Elektromedizin GmbH Waldhoernlestraße 17 72072 Tuebingen Germany