

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

Ref. No. 15/Stores(DO)/Pead.Surg/PAC/2019-20/FSC      Dated-05/10/2019

Sub:- Purchase of "Combined RF, Argon Plasma and Waterjet Workstation – 02 Nos." 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 "Combined RF, Argon Plasma and Waterjet Workstation – 02 Nos. at AIIMS, New Delhi from M/s. Erbe Elektromedizin GmbH, Germany through M/s. Snap Healthcare, New Delhi. The PAC Certifications by M/s. Erbe Elektromedizin GmbH, Germany 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. 15/Stores(DO)/Pead.Surg/PAC/2019-20/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 25/10/2019 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,

  
SR. STORES OFFICER (DO)

Encl: Related documents enclosed.

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## General Specification for Combined RF, Argon Plasma and Waterjet WorkStation

Qty : 02

Approx. Cost : 280 Lacs

An integrated RF, Argon and Kinetic Plasma 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 processors.
- Unit should facilitate functions of monopolar, bipolar & vessel sealer with in-built regulated power supply adapter for bipolar resection.
- Unit should have a Stepguide 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 any instrument.
- System should have remode function to allow user to access 6 sub programmes directly from the sterile field.
- Unit should have high cut mode for monopolar Modalities..
- 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 programmes 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 assignments

डॉ. (प्रो.) अमिता सेज/Dr. (Prof.) Amita San  
विभागाध्यक्ष/Head of Department of Pediatric Surgery  
पीएमए & डॉ. R.M.S. Hospital, New Delhi-110029

Dr. RAJIV CHADHA  
Director Professor  
Deptt. of Pediatric Surgery  
L.H.M.C. & K.S.C. Hospital  
New Delhi-110001

डॉ. जे. बी. शर्मा/Dr. J.B. Sharma  
आचार्य/Professor  
प्रसूति एवं स्त्री रोग विज्ञान विभाग  
अ. भा.आ. सं. /A.I.I.M.S  
नई दिल्ली-29/New Delhi-29

डॉ. देवेन्द्र कुमार यादव/Dr. Devendra K. Yadav  
सहायक आचार्य/Assistant Professor  
शिशु शल्य विभाग/Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

डॉ. अंजन कुमार धुआ/Dr. Anjan Kumar Dhuwa  
सहायक आचार्य/Assistant Professor  
शिशु शल्य विभाग/Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

डॉ. विशेश जैन/Dr. Vishesh Jain  
सहायक आचार्य/Assistant Professor  
शिशु शल्य विभाग/Deptt. of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-29

- The unit should have high cut bipolar mode to facilitate bipolar Instruments.
- The generator should be compatible with Argon plasma coagulation unit from the same OEM having forced APC, pulsed APC and precise APC modes.
- The generator should be compatible with hydrojet to facilitate use of hybrid technology instruments for vital organ resection in pediatric patients.
- Unit must be compatible with Intelligent smoke evacuation module and suction module.
- Unit should support Nussy as a neutral electrode.
- The mentioned above High End Electrosurgical RF generator Unit & Accessories should be from Same OEM & Should have Valid USFDA/ European CE Certifications Marked.

### Argon Plasma Coagulation -

For management of bleeding and devitalisation of tissue abnormalities achieved by optimal coordination with High End Electrosurgical RF generator from the same OEM.

- 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 of the same OEM.

- Should have facility to use in double balloon endoscopy/ Argon supported cutting and coagulation procedures.

डॉ. सन्दीप अग्रवाल / Dr. Sandeep Agarwal  
अध्यापक / Professor  
शिशु शल्य विभाग / Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

DR. RAJIV CHADHA  
Director Professor  
Deptt. of Pediatric Surgery  
L.H.M.C. & K...  
New Delhi

डॉ. देवेन्द्र कुमार यादव / Dr. Devendra K. Yadav  
सहायक आचार्य / Assistant Professor  
शिशु शल्य विभाग / Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

डॉ. एम. बाजपेई / Dr. M. BAJPAI  
आचार्य एवं विभागाध्यक्ष / Professor & Head  
शिशु शल्य विभाग / Deptt. of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

आचार्य / Dr. J. B. Sharma  
प्रसूति एवं स्त्री रोग विभाग  
Dept. of Obstetrics & Gynaecology  
अ. भा.आ. सं. / A.I.I.M.S  
नई दिल्ली-29 / New Delhi-29

डॉ. अंजन कुमार धुआ / Dr. Anjan Kumar Dhua  
सहायक आचार्य / Assistant Professor  
शिशु शल्य विभाग / Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

डॉ. विशेश जैन / Dr. Vishesh Jain  
सहायक आचार्य / Assistant Professor  
शिशु शल्य विभाग / Deptt. of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., 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. (Optional Prices to Quoted Separately)

- Reusable hand pencil with facility for swapping between programs - 15 Nos.
- Reusable Thermo fusion hand instrument for open surgeries (for vasculatures up to 7mm) - 5Nos, Reusable Thermo fusion hand instruments for laparoscopic surgeries (for vasculatures up to 7mm) - 05
- 5mm disposable bowel shaped sealing and cutting hand instrument with maximum of 1.1 mm thermal spread - 5 Nos.
- Footswitch with facility for swapping between programs - 2 Nos
- Patient plate with equipotential ring - 50 nos.
- Argon Plasma Coagulation 3 Button Electrosurgical Pencil, Connecting Cables, Probes, and Applicators for open surgery & Lap Surgery - 2 Nos.
- Argon assisted cutting instrument for open surgery & Lap Surgery - 2 Nos.
- Waterjet Accessories for Both Open & Lap Surgeries-02
- Workstation trolley from same OEM - 1 No.
- Bipolar Scissor for open & Lap surgery with cable - 5 Nos
- Laparoscopic Cable attachment for Minimal Invasive Instruments - 02 Nos.

All the mentioned above Units & Accessories should be from Same OEM & Should have Valid USFDA/ European CE Certifications Marked.

Should be quoted with 5 year Warranty and thereof Prices for CMC for 5 years after warranty period



डॉ. सदीप अग्रवाल / Dr. Sandeep Agarwala  
आचार्य / Professor



डॉ. अंजन कुमार धुआ / Dr. Anjan Kumar Dhua  
सहायक आचार्य / Assistant Professor



डॉ. देवेन्द्र कुमार यादव / Dr. Devendra K. Yadav  
सहायक आचार्य / Assistant Professor  
शिशु शल्य विभाग / Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029



डॉ. अंजन कुमार धुआ / Dr. Anjan Kumar Dhua  
सहायक आचार्य / Assistant Professor  
शिशु शल्य विभाग / Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029



डॉ. विशेश जैन / Dr. Vishesh Jain  
सहायक आचार्य / Assistant Professor  
शिशु शल्य विभाग / Deptt. of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-29

डॉ. जे. बी. शर्मा / Dr. J.B. Sharma  
आचार्य / Professor  
पसुति एवं स्त्री रोग विज्ञान विभाग  
Deptt. of Obstetrics & Gynaecology  
अ. भा.आ. सं. / A.I.I.M.S  
नई दिल्ली-29 / New Delhi-29

डॉ. (प्रो.) अमिता शेन / Dr. (Prof.) Amita Shen  
विभागाध्यक्ष बाल शल्यचिकित्सा HOD Paediatric Surgeon  
पीएमएच & डॉ. रम. लाल बहादुर शास्त्री अस्पताल  
PGIMER & Dr. R.M.L. Hospital New Delhi  
Dr. RAJIV CHANDRA  
Director of Pediatric Surgery  
Deptt. of Pediatric Surgery  
L.H.M.C. & P.G. Hospital  
New Delhi-110029

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**Proprietary Article Certificate (PAC) (Machinery & Equipment)**

1. The indented goods are : ErbeElektromedizin, Germany  
Manufactured by M/s
2. Item Name : Combined RF, Argon Plasma and Water Jet  
Surgical Workstation
3. Model No. : Erbe VIO3, APC3 and ERBEJET 2
4. Vital Technical Performance Parameters : RF Generator, Argon Plasma and Waterjet  
Required which makes the requirement  
Proprietary## unit when Combined together to form a  
workstation compliments each other during  
procedural application in surgeries like liver  
resection and soft tissues in pediatric  
patients. Hybrid instruments are only  
manufactured by Erbe which can only be  
used in when in combination with all three  
units.
5. No other make or model is acceptable for : Only Single Manufacturer  
The following reasons

It is certified that market survey has been done and found that no other manufacturer is manufacturing similar/equipment specifications which can fulfill the vital requirements of end

डॉ. देवेन्द्र कुमार यादव/Dr. Devendra K. Yadav  
सहायक आचार्य/Assistant Professor  
शिशु शल्य विभाग/Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

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शिशु शल्य विभाग/Department of Pediatric Surgery  
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आचार्य एवं विभागाध्यक्ष/Professor & Head  
शिशु शल्य विभाग/Department of Pediatric Surgery  
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सहायक आचार्य/Assistant Professor  
शिशु शल्य विभाग/Deptt. of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

डॉ. प्रबुद्ध गोयल/Dr. Prabudh Goel  
सहायक आचार्य/Assistant Professor  
शिशु शल्य विभाग/Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

डॉ. सदीप अग्रवाला/Dr. Sandeep Agarwala  
आचार्य/Professor  
शिशु शल्य विभाग/Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

डॉ. अंजन कुमार धुआ/Dr. Anjan Kumar Dhua  
सहायक आचार्य/Assistant Professor  
शिशु शल्य विभाग/Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

**Note 1:** User should clearly mention the vital functional parameters requirements which end serial no. 1.

# 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.

*[Signature]*

*[Signature]*  
**Dr. RAJIV CHADHA**  
Director Professor  
Deptt. of Pediatric Surgery  
L.H.M.C. & K.S.C. Hospital  
New Delhi-110001

*[Signature]*

**डॉ. संधिप अग्रवाला/Dr. Sandeep Agarwala**  
आचार्य/Professor

Date: 30/12/2018  
शिशु शल्य विभाग/Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

Michael Reick, Director Business Management

*[Signature]*

**डॉ. विशेश जैन/Dr. Vishesh Jain**  
सहायक आचार्य/Assistant Professor  
विभाग/Deptt. of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

**डॉ. प्रबुध गोयल/Dr. Prabudh Goyal**  
सहायक आचार्य/Assistant Professor  
विभाग/Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

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आचार्य/Professor  
विभाग/Department of Obstetrics & Gynaecology  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

**डॉ. (प्रो.) अमिता सेन/Dr. (Prof.) Amita Sen**  
विभागाध्यक्ष/HOD Paediatric Surgery  
विभाग/Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

**डॉ. अंजन कुमार धुआ/Dr. Anjan Kumar Dhu**  
सहायक आचार्य/Assistant Professor  
शिशु शल्य विभाग/Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

*[Signature]*

**डॉ. एम. बाजपेई/Dr. M. BAJPAI**  
आचार्य एवं विभागाध्यक्ष/Professor & Head  
शिशु शल्य विभाग/Deptt. of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

MANUFACTURER'S AUTHORISATION FORM

The „Director“

All India Institute of Medical Sciences Ansari Nagar,  
New Delhi-110029, India.

Dear Sir,

Ref: Your TE document No for Combined RF, Argon Plasma and Water Jet Surgical workstation for Pediatric Surgery Department

We, Erbe Medical System India Pvt Ltd who are proven and reputable manufacturers of Combined RF, Argon Plasma and Water Jet Surgical workstation having factories at Waldhoernlestrasse 17, 72072 Tuebingen, Germany, hereby authorize Messrs Snap Healthcare having Address at 1/4734, OL D 19A, GF, Street No 05, Balbir Nagar Extension, Shahdara, Delhi -110032 to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also state that we are not participating directly in this bid for the following reason(s): Company has decided to quote the Tender through their Authorized dealer.

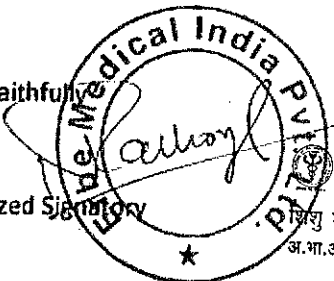
We further confirm that no supplier or firm or individual other than Messrs. Snap Healthcare having Address at 1/4734, OLD 19A, GF, Street No 05, Balbir Nagar Extension, Shahdara, Delhi -110032 is authorized to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us. We also hereby extend our full warranty, CAMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorized agent and the spares for the equipment shall be available for at least 10 years from the date of supply of equipment.

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly"

Yours Faithfully

Authorized Signatory



*[Signature]*

डॉ. संधिप अग्रवाला / Dr. Sandeep Agarwala  
आचार्य / Professor

शिशु शल्य विभाग / Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029



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शिशु शल्य विभाग / Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

*[Signature]*

डॉ. जे. बी. शर्मा / Dr. J.B. Sharma  
आचार्य / Professor

शिशु एवं स्त्री रोग विज्ञान विभाग  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-29



डॉ. अंजन कुमार घुआ / Dr. Anjan  
सहायक आचार्य / Assistant Professor

शिशु शल्य विभाग / Department of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

*[Signature]*

Erbe Medical India Pvt Ltd. 2nd Floor, TVH Agnito Park, No. 151, Old Mayapuri, New Delhi-110029 India

Phone +91 11 26195910 Product Hotline +91 99620 04068

Fax +91 11 26195911 Product Hotline +91 99620 04068

erbe@erbe-india.com शिशु शल्य विभाग / Deptt. of Pediatric Surgery

erbe-india.com अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-29

Deutsche Bank  
Chennai Branch  
Current Acc. No. 5006846-CO-0  
Sw It Code: DEUT0916CNH  
CIN: U33119TN2007PTC062336

Erbe Elektromedizin GmbH  
Waldhoernelstrasse 17  
72072 Tuebingen  
Germany

Kreisverband Tuebingen  
डॉ. एम. बाजपै / Dr. M. BAJPAI  
आचार्य एवं शिशु शल्य विभाग / Professor & Head  
शिशु शल्य विभाग / Deptt. of Pediatric Surgery  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

*[Signature]*