



King George's Medical University Uttar Pradesh Lucknow - 226003



Procurement Cell

Phone: 91-0522-2257540 Fax: 91-0522-2257539 Website: www.kgmu.org

No.. 275

/KGMU/MM/2025

Date: 28/11/2025

NOTICE

SUBJECT: Procurement of following item(s) on a proprietary/single source basis.

The KGMU, Lucknow, intends to procure the following item(s), manufactured as per the details mentioned below, on a Proprietary/Single Source basis from their authorized importers/distributors/dealers, as per the enclosed details:-

S.No	Equipment/Item Name	Deptt.	Name of OEM/Manufacturer
1	Accessories for Existing Surgical Workstation & Energy Source	Maintenance and Upgradation Miscellaneous Accessories (Common Equipment)	M/s Erbe Elektromedizin GmbH, Germany
2	Saw blades for Battery operated drill and saw system	Paediatric Orthopaedics	M/s Synthes Depuy (A division of Johnson & Johnson)
3	High End EV Surgical station with UHD 4K Laparoscopic vision platforms & complete energy platforms	Pediatric Surgery	M/s Erbe Elektromedizin GmbH, Germany

The Proprietary Certificate and proposal/offer for the above item(s), as submitted by the manufacturer (OEM) or their authorized importer/distributor/dealer, are attached. These documents are being uploaded for open information to all manufacturers/suppliers to invite any objections, representations, or comments on the proprietary/single-source nature of the procurement within 07 days of the date mentioned above.


Objections/Comments should be submitted to: Joint Director (MM), KGMU, Lucknow / In-Charge, Common Equipment Cell/Concerned Head of Department, KGMU, Lucknow

Failure to submit any objection within the stipulated time will be construed as acceptance that no other supplier has objections or equivalent items to offer. The case will then proceed for procurement based on its merits.

The objections/representations should specifically address the following:

1. Whether the mentioned equipment/item is manufactured by any other manufacturer besides the OEM or its authorized sellers/distributors/dealers.
2. Whether the equipment/item fulfills all parameters according to the enclosed technical specifications.

Note: In case no objection is received within 07 days, the procurement of the said items will be carried out through bid on GEM portal.


Joint Director (MM),
KGMU UP, Lucknow

Accessories for Existing Surgical Workstations, Electrosurgical units



King George's Medical University UP, Lucknow

Common Equipment Cell

Email: ce@kgmcindia.edu

Reference No: CE/2025/80L

Date: 25/10/2025

PROPRIETARY/ SPECIFIC BRAND GOODS CERTIFICATE

1	Item/ Type/ Model No. required along with specification	Accessories for Existing Surgical Workstation & Energy Source
2	If the item a spare part attachment or accessory for an existing equipment Yes / No (If yes, provide details)	Yes, Details attached
3	Name of the manufacturers/supplier of the item proposed by the indenter	M/s Erbe Elektromedizin GmbH, Waldhorenlestrasse 17, D-72072, Tübingen, Germany M/S Pee Vee Enterprises Lucknow – Authorized Supplier
4	Are they sole manufacturers/ sold distributors of the Item Yes / No	Yes, Sole Manufacturers & required accessory / instruments are Proprietary In Nature
5	If there any other item with similar/equivalent specification available in the market to meet the job requirement envisaged. Yes / No (If Yes, explain why those alternatives cannot be procured and provide a comparative analysis of the functional advantages/cost-effectiveness of the recommended item)	No
6	Efforts made to locate alternative sources of supply or use of substitutes	No alternative source available for availability of compatible accessories with existing Surgical Workstation & Energy Sources
7	Why open tender can't be resorted to, for locating, alternative source.	Proprietary In Nature
8	Are the proprietary items certified to have reasonable rates? Yes / No (Attach supporting documents, if applicable)	Yes – Reasonable Rates Certificate in form of KGMU PO copy PO Copy Attached
9	Any other justification for procuring the item from a single source	Existing Surgical Workstation consists of Vessel Fusion Source + Kinetic Energy Source + Hydrojet Source are covered under 8-9 th year CMC Contract

I hereby certify that the above item is required to be procured on a proprietary/single-source basis, as the specified brand is the only known source that meets our functional requirements. Given the unique advantages of this brand, an open tender process would not serve any meaningful purpose in this case and can justifiably be waived.

(Strike out whoever is not applicable)

Yours Sincerely,


Faculty Incharge/Co-incharge
Equipment Cell KGMU



(85)

King George's Medical University UP, Lucknow

Common Equipment Cell

Email: ce@kgmcindia.edu

Reference No.- CE/2025/801

Date: 25/10/2025

Proprietary Article Certificate in the following form is to be provided by the Ministry/Department before procuring the goods from a single source under the provision of sub Rule 166 (i) and 1 66 (iii) as applicable.

- (I) **The indented goods are manufactured by** M/s Erbe Elektromedizin GmbH,
Waldhorenlestrasse 17, D-72072, Tubingen, Germany
Authorized Distributor: M/S Pee Vee Enterprises, Lucknow
- (II) **No other make or model is acceptable for the following reasons:**

King George Medical University has installation base of 15 Surgical Work Station & 290 Energy sources total = 355 units are functional at several departments & 90% are covered under CMC Contract rest covered under 05 Years warranty. The complete Surgical Workstation are Proprietary in nature with strong recommendation of usage of compatible accessories usage only to avoid patient burn and damage of mother chip boards . No other local accessories are compatible with these energy sources.

- (III) **Concurrence of finance wing to the proposal vide:** *Requested*.....
- (IV) **Approval of the competent authority vide:** *Requested*.....

(Signature with date and designation
of the indenting officer)

[Signature]
HOD SURGERY

[Signature]
HOD Neurosurgery

[Signature]
HOD Urology

[Signature]
HOD OBS. & GYNAE

[Signature]
HOD ENDOCRINE

[Signature]
HOD Surgical Oncology

[Signature]
HOD Ped. Surgery

Common Equipment Cell

Ref No. CE/2025/801

Date: 25/10/2025

Bidders Criteria for procurement of Reusable Instruments/accessories for existing Energy Devices- Surgical Workstation make Erbe GmbH Germany

1. Offered Endomechanical instruments should be compatible with our existing energy source supplied by European Manufacturer- Erbe GmbH

1. Offered Endomechanical instruments should be compatible with our existing USFDA & EUCE endorsed energy source supplied by Erbe GmbH

2. Offered reusable instruments/single use accessories should be endorsed with EUCE 4 digit notified/USFDA -510 K certification and CDSCO, should be compatible with existing energy source

3. Offered Endomechanical instruments should have declared shelf life by Original Medical Device Manufacturer

4. Offered accessories/ instruments should 100% comply with compatibility certificate or third party usage clearance certificate from European organisation Erbe GmbH

5. The shelf life of reusable Endomechanical instruments should not be less than 50 to 100 applications

6. Bidder should submit original literature/brochure of offered Endomechanical instruments & accessories mentioning desired length & dia of instruments

7. Bidder should provide training to staff as and when required for the offered Endomechanical instruments at medical university premises at their own cost & will do upgradation of software versions time to time during warranty & CMC tenure

8. Bidder or its O.E.M should have mandatory installation base/purchase order of energy source at King George Medical University for which Endomechanical instruments/ accessories prices are offered.

9. Offered accessories should have minimum 70% shelf life from date of supply on single use accessories.

Prof. Brijesh Mishra Faculty Ic Equipment Cell	Dr. A.A. Sonkar Prof and Head General Surgery	Dr. B.K. Ojha Prof and Head Neurosurgery	Dr. Apul Goel Prof and Head Urology
Dr. Anjoo Agarwal Prof and Head OBGYN	Dr. Anand Mishra Prof and Head Endocrine Surgery	Dr. Vijay Kumar Prof and Head Surgical Oncology	Dr. J.D. Rawat Prof and Head Pediatric Surgery
Dr. Abhishek Saini Assistant Professor Sports Medicine	Dr. Akshay Anand Add. Professor General Surgery	Dr. Sunil Gaba Professor(Plastic Surgery) PGIMER, Chandigarh	Dr. Rohit Srivastava Professor RMLIMS, Lucknow
Dr. Vikas Singh Professor RMLIMS, Lucknow			

(63)

Erbe Accessories		Remarks
SL No	Description	
1	20195-134 Instrument Reuse LAP forceps, Maryland	30 pcs.
2	20195-204 Instrument Reuse Instrument Reuse LAP BiSect Micro, shaft ø 5 mm, length 350 mm; complete instrument	30 pcs.
3	20195-202 Instrument Reuse, Open Vessel Sealer Biclamp 201 T, e.g. intestinal surgery.	25 pcs.
4	21195-400 Instrument S/U Tripolar Tissue Navigation Instrument for Open Surgery Surgery Trisect Rapid Trisect Rapid 200, Bent 17 mm shaft L-140 mm with connecting cable L- 4 m	6 box (1X5) = 30 pcs.
5	21195-401 Instrument S/U Tripolar Tissue Navigation Instrument for Open Surgery Surgery Trisect Rapid Trisect Rapid 200, Bent 17 mm shaft L-200 mm with connecting cable L- 4 m	20 box (1X5) = 100 pcs.
6	21195-402 Instrument S/U Tripolar Tissue Navigation Instrument for Bariatric Surgery Surgery Trisect Rapid 350, Bent 17 mm shaft L-350 mm with connecting cable L- 4 m	25 box (1X5) = 125 pcs.
7	20195-501 / 502 / 503 / 504 / 505 / 506 / 507 / 508 / 509 / 510 / 511 / 512 / 513 / 514 / 515 / 516 / 517 / 518 Reusable Non Sticky Bipolar forceps, straight	65 pcs.
8	20195-531 / 532 / 533 / 534 / 535 / 536 / 537 / 538 / 539 / 541 / 542 / 547 / 546 / 550 / 554 / 556 / 558 Reusable Non Sticky Bipolar forceps, bayonet	217 pcs.
9	20196- 055 / 053 / 045 Reusable Bipolar connecting cable	200 pcs.
10	20192-113 / 117 Reusable Monopolar Cable	10 pcs.
11	20191-179 / 184 Reusable Hook electrode, flat, ø 5 mm, shaft insulated, length 350 mm; incl. electrosurgical pencil with 2 buttons with Reusable Monopolar Connecting Cable VIO for ESU Pencil Hook Electrode - (20192-110)	18 pcs.
12	20132-221 / 222 / 223 / 224 FiAPC probe 1500 A, ø 1.5 mm, flexible, length 1.5 m; with instrument recognition and integrated filter for Bronchoscopy	4 box (1X10) = 40 pcs.
13	20132-254 / 255 Single Use APC Applicator Lap Surgery with filter shaft 350 mm rigid needle / Spatulla electrode : remode with connecting cable 3 m	4 box (1X5) = 20 pcs.
14	20123-250 / 251 Single Use APC Applicator Open Surgery with filter shaft 35 mm rigid needle / Spatulla electrode : remode with connecting cable 3 m	8 box (1X5) = 40 pcs.
15	20189-302 100% Washable, remode Monopolar (Two) foot switch VIO3	7 pcs.
16	20150-301 Pump Cartedge for water jet	8 box (1X5) = 40 pcs.
17	20150-036 Applicator, straight, with monopolar electrosurgical function, ø 6 mm, length 80 mm; with suction, e.g. for liver surgery	3 box (1X5) = 15 pcs.
18	20188-300 100% Washable, Bipolar (One) foot switch VIO D / S / 3	6 pcs.
19	20195-221 Instrument Reuse, Open vessel sealer Biclamp 150 C e.g. Thyroidectomy.	5 pcs.
20	20150-030 Jet applicator / Probe Lap Open Surgery	2 box (1X5) = 10 pcs.

[Handwritten signatures and notes at the bottom of the page]

King George's Medical University, Lucknow

Common Equipment Cell

Ref No. CE/2025/801

Date: 25/10/2025

Bidders Criteria for procurement of Reusable Instruments/accessories for existing Energy Devices- Surgical Workstation make Erbe GmbH Germany
 1. Offered Endomechanical Instruments should be compatible with our existing energy source supplied by European Manufacturer- Erbe GmbH

1. Offered Endomechanical Instruments should be compatible with our existing USFDA & EUCE endorsed energy source supplied by Erbe GmbH
2. Offered reusable Instruments/single use accessories should be endorsed with EUCE 4 digit notified/USFDA -510 K certification and CDSCO, should be compatible with existing energy source
3. Offered Endomechanical instruments should have declared shelf life by Original Medical Device Manufacturer
4. Offered accessories/ instruments should 100% comply with compatibility certificate or third party usage clearance certificate from European organisation Erbe GmbH
5. The shelf life of reusable Endomechanical instruments should not be less than 50 to 100 applications
6. Bidder should submit original literature/brochure of offered Endomechanical instruments & accessories mentioning desired length & dia of instruments
7. Bidder should provide training to staff as and when required for the offered Endomechanical instruments at medical university premises at their own cost & will do upgradation of software versions time to time during warranty & CMC tenure
8. Bidder or its O.E.M should have mandatory installation base/purchase order of energy source at King George Medical University for which Endomechanical instruments/ accessories prices are offered.
9. Offered accessories should have minimum 70% shelf life from date of supply on single use accessories.

Prof. Brijesh Mishra Faculty Ic Equipment Cell	Dr. A.A. Sonkar Prof and Head General Surgery	Dr. B.K. Ojha Prof and Head Neurosurgery	Dr. Apul Goel Prof and Head Urology
	AS		
Dr. Anjoo Agarwal Prof and Head OBGYN	Dr. Anand Mishra Prof and Head Endocrine Surgery	Dr. Vijay Kumar Prof and Head Surgical Oncology	Dr. J.D. Rawat Prof and Head Pediatric Surgery
	Abund	Sunil	
Dr. Abhishek Saini Assistant Professor Sports Medicine	Dr. Akshay Anand Add. Professor General Surgery	Dr. Sunil Gaba Professor (Plastic Surgery) PGIMER, Chandigarh	Dr. Rohit Srivastava Professor RMLIMS, Lucknow
Dr. Vikas Singh Professor RMLIMS, Lucknow			

Office -7th Floor, Shatabdi Hospital Phase II, KGMU UP Lucknow

Erbo Accessories

Surgical Workstation/ Vessel Sealer/Vessel Sealers with Argon Coagulation		Remarks
Sl No	Description	
1	20195-134 Instrument Reuse LAP forceps, Maryland	30 pcs.
2	20195-204 Instrument Reuse Instrument Reuse LAP Bisect Micro, shaft ø 5 mm, length 350 mm; complete instrument	30 pcs.
3	20195-202 Instrument Reuse, Open Vessel Sealer Biclamp 201 T, e.g. Intestinal surgery.	25 pcs.
4	21195-400 Instrument S/U Tripolar Tissue Navigation Instrument for Open Surgery Surgery Trisect Rapid Trisect Rapid 200, Bent 17 mm shaft L-140 mm with connecting cable L- 4 m	6 box (1X5) = 30 pcs.
5	21195-401 Instrument S/U Tripolar Tissue Navigation Instrument for Open Surgery Surgery Trisect Rapid Trisect Rapid 200, Bent 17 mm shaft L-200 mm with connecting cable L- 4 m	20 box (1X5) = 100 pcs.
6	21195-402 Instrument S/U Tripolar Tissue Navigation Instrument for Bariatric Surgery Surgery Trisect Rapid 350, Bent 17 mm shaft L-350 mm with connecting cable L- 4 m	25 box (1X5) = 125 pcs.
7	20195-501 / 502 / 503 / 504 / 505 / 506 / 507 / 508 / 509 / 510 / 511 / 512 / 513 / 514 / 515/516/517/518 Reusable Non Sticky Bipolar forceps, straight	65 pcs.
8	20195-531/ 532 / 533 / 534 / 535 / 536 / 537 / 538 / 539 / 541 / 542 / 547 / 546 / 550/554 / 556 / 558 Reusable Non Sticky Bipolar forceps, bayonet	217 pcs.
9	20196- 055 /053 / 045 Reusable Bipolar connecting cable	200 pcs.
10	20192-113 / 117 Reusable Monopolar Cable	10 pcs.
11	20191-179 / 184 Reusable Hook electrode, flat, ø 5 mm, shaft insulated, length 350 mm; incl. electrosurgical pencil with 2 buttons with Reusable Monopolar Connecting Cable VIO for ESU Pencil Hook Electrode - (20192-110)	18 pcs.
12	20132-221 / 222 / 223 / 224 FiAPC probe 1500 A, ø 1.5 mm, flexible, length 1.5 m; with instrument recognition and integrated filter for Bronchoscopy	4 box (1X10) = 40 pcs.
13	20132-254 /255 Single Use APC Applicator Lap Surgery with filter shaft 350 mm rigid needle / Spatula electrode : remode with connecting cable 3 m	4 box (1X5) = 20 pcs.
14	20123-250 / 251 Single Use APC Applicator Open Surgery with filter shaft 35 mm rigid needle / Spatula electrode : remode with connecting cable 3 m	8 box (1X5) = 40 pcs.
15	20189-302 100% Washable, remode Monopolar (Two) foot switch VIO3	7 pcs.
16	20150-301 Pump Cartedge for water jet	8 box (1X5) = 40 pcs.
17	20150-036 Applicator, straight, with monopolar electrosurgical function, ø 6 mm, length 80 mm; with suction, e.g. for liver surgery	3 box (1X5) = 15 pcs.
18	20188-300 100% Washable, Bipolar (One) foot switch VIO D / S / 3	6 pcs.
19	20195-221 Instrument Reuse, Open vessel sealer Biclamp 150 C e.g. Thyroidectomy.	5 pcs.
20	20150-030 Jet applicator / Probe Lap Open Surgery	2 box (1X5) = 10 pcs.

M- Jank An So Kavit

81

Regarding approval for purchasing of consumables for Surgical workstation/vessel Sealer/Vessel sealers with Argon Coagulation installed in KGMU Lucknow.

Tue, Oct 20, 2020 at 1:21 AM

Equipment Cell KGMU - ec@kgmu.edu
To: Anand Agarwal - anand@kgmu.edu

Hi Anand,
Please approve the purchasing of consumables for Surgical workstation/vessel Sealer/Vessel sealers with Argon Coagulation installed in KGMU Lucknow. Kindly find the attachment.

Regards,
Gourav Equipment Cell
King George's Medical University KGMU

cc: Ekta Chatterjee purchase cell
ekta@kgmu.edu

Tue, Oct 20, 2020 at 2:10 PM

Anand Agarwal - anand@kgmu.edu
To: Gourav Equipment Cell KGMU - ec@kgmu.edu

Hi Gourav,
I am not a member of the group. Kindly add me to the group.

10/28/25, 9:40 PM

King George Medical University Mail - Regarding approval for purchasing of consumables for Surgical workstation/vessel Sealer

Equipment Cell KGMU <ce@kgmcindia.edu>

Regarding approval for purchasing of consumables for Surgical workstation/vessel Sealer/Vessel sealers with Argon Coagulation installed in KGMU Lucknow

3 messages

Equipment Cell KGMU <ce@kgmcindia.edu>

Mon, Oct 27, 2025 at 2:20 AM

To: Sunil Gaba <drsgaba@gmail.com>, Rohit Srivastava <rdhruv09@gmail.com>

Sir,

Please approve the purchasing of consumables for Surgical workstation/vessel Sealer/Vessel sealers with Argon Coagulation installed in KGMU Lucknow.
Kindly find the attachment.

Faculty I/C
Common Equipment Cell
King George's Medical University UP India

Erbe Cosumables purchase.pdf
1415K

Sunil Gaba <drsgaba@gmail.com>

Tue, Oct 28, 2025 at 9:24 AM

To: Equipment Cell KGMU <ce@kgmcindia.edu>

PFA the required document
[Quoted text hidden]

Dr Sunil Gaba
Professor
Department of Plastic Surgery
PGIMER, Chandigarh.

Secretary, NZAPS (North Zone association of Plastic Surgeons)
Joint Secretary, RSI (Rhinoplasty Society of India)
Research Director, IWCA (Interprofessional Wound Care Association)
Executive Member APSI, ISSH, ISPNS, BRASA etc.
Editorial Board member, PGIMER Journal.
India 160012
+919914202048

sg.pdf
1279K

Rohit Srivastava <rdhruv09@gmail.com>

Tue, Oct 28, 2025 at 9:33 PM

To: Equipment Cell KGMU <ce@kgmcindia.edu>

Ok, approved.
Regards

Dr Rohit Srivastava
[Quoted text hidden]

5, 1:14 AM

King George Medical University Mail - Regarding approval for purchasing of consumables for Surgical workstation/vessel

59

Equipment Cell KGMU <ce@kgmcoindia.edu>

Regarding approval for purchasing of consumables for Surgical workstation/vessel Sealer/Vessel sealers with Argon Coagulation installed in KGMU Lucknow.

3 messages

Mon, Oct 27, 2025 at 2:25 AM

Equipment Cell KGMU <ce@kgmcoindia.edu>
To: "drvikas_singh@yahoo.com" <drvikas_singh@yahoo.com>

Sir,
Please approve the purchasing of consumables for Surgical workstation/vessel Sealer/Vessel sealers with Argon Coagulation installed in KGMU Lucknow.
Kindly find the attachment.

Faculty I/C
Common Equipment Cell
King George's Medical University UP India

Erbe Cosumables purchase.pdf
1415K

Mon, Oct 27, 2025 at 3:52 AM

vikas singh <drvikas_singh@yahoo.com>
To: Equipment Cell KGMU <ce@kgmcoindia.edu>

On 27 Oct 2025, at 2:55 PM, Equipment Cell KGMU <ce@kgmcoindia.edu> wrote:

Thanks for the mail
I will find signed document

Dr Vikas Singh
MS FLAGES FMAS FCLS FICS
FALS-HPB FALS-ONCO MMAS-HPB
ATLS Course Director
National EC member ASI (25-27)
Ex-Joint Secretary UP ASI
Ex-Executive Member UP ASI
Ex-Board Member SELSI & IHS
Professor
Program Director: Minimal Access Surgery Program (MASP)
Course Director: DrRMLIMS Emergency & Trauma: Basic Course (DrRMLIMS ET:BC)
Department of General Surgery
Dr Ram Manohar Lohia Institute of Medical Sciences
Lucknow- 226010

Sent: from my iPad

Sir,
Please approve the purchasing of consumables for Surgical workstation/vessel Sealer/Vessel sealers with Argon Coagulation installed in KGMU Lucknow.
Kindly find the attachment.

Faculty I/C
Common Equipment Cell
King George's Medical University UP India
<Erbe Cosumables purchase.pdf>

Erbe Cosumables purchase.pdf
1456K

Mon, Oct 27, 2025 at 4:01 AM

Equipment Cell KGMU <ce@kgmcoindia.edu>
To: vikas singh <drvikas_singh@yahoo.com>

Thank you Dr Vikas
Regards
Brijesh

Faculty I/C
Common Equipment Cell
King George's Medical University UP India

On Mon, 27 Oct 2025 at 4:29 PM, vikas singh <drvikas_singh@yahoo.com> wrote:

On 27 Oct 2025, at 2:55 PM, Equipment Cell KGMU <ce@kgmcoindia.edu> wrote:

Thanks for the mail

Common Equipment Cell

Ref No. CE/2025/801

Date: 25/10/2025

Bidders Criteria for procurement of Reusable Instruments/accessories for existing Energy Device- Surgical Workstation make Erbe GmbH Germany

1. Offered Endomechanical Instruments should be compatible with our existing energy source supplied by European Manufacturer- Erbe GmbH

1. Offered Endomechanical Instruments should be compatible with our existing USFDA & EUCE endorsed energy source supplied by Erbe GmbH

2. Offered reusable Instruments/single use accessories should be endorsed with EUCE 4 digit notified/USFDA -510 K certification and CDSCO, should be compatible with existing energy source

3. Offered Endomechanical Instruments should have declared shelf life by Original Medical Device Manufacturer

4. Offered accessories/ Instruments should 100% comply with compatibility certificate or third party usage clearance certificate from European organisation Erbe GmbH

5. The shelf life of reusable Endomechanical Instruments should not be less than 50 to 100 applications

6. Bidder should submit original literature/brochure of offered Endomechanical Instruments & accessories mentioning desired length & dia of Instruments

7. Bidder should provide training to staff as and when required for the offered Endomechanical instruments at medical university premises at their own cost & will do upgradation of software versions time to time during warranty & CMC tenure


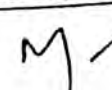
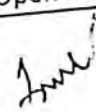
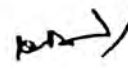
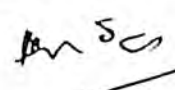
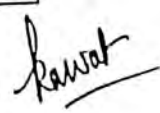
8. Bidder or its O.E.M should have mandatory installation base/purchase order of energy source at King George Medical University for which Endomechanical Instruments/ accessories prices are offered.

9. Offered accessories should have minimum 70% shelf life from date of supply on single use accessories.

Prof. Brijesh Mishra Faculty Ic Equipment Cell	Dr. A.A. Sonkar Prof and Head General Surgery	Dr. B.K. Ojha Prof and Head Neurosurgery	Dr. Apul Goel Prof and Head Urology
	AS		
Dr. Anjoo Agarwal Prof and Head OBYN	Dr. Anand Mishra Prof and Head Endocrine Surgery	Dr. Vijay Kumar Prof and Head Surgical Oncology	Dr. J.D. Rawat Prof and Head Pediatric Surgery
	Abund		Rawat
Dr. Abhishek Saini Assistant Professor Sports Medicine	Dr. Akshay Anand Add. Professor General Surgery	Dr. Sunil Gaba Professor(Plastic Surgery) PGIMER, Chandigarh	Dr. Rohit Srivastava Professor RMLIMS, Lucknow
Dr. Vikas Singh Professor RMLIMS, Lucknow			

37

Erbe Accessories		Remarks
Sl No	Description	
1	20195-134 Instrument Reuse LAP forceps, Maryland	30 pcs.
2	20195-204 Instrument Reuse Instrument Reuse LAP BiSect Micro, shaft ϕ 5 mm, length 350 mm; complete instrument	30 pcs.
3	20195-202 Instrument Reuse, Open Vessel Sealer Biclamp 201 T, e.g. intestinal surgery.	25 pcs.
4	21195-400 Instrument S/U Tripolar Tissue Navigation Instrument for Open Surgery Surgery Trisect Rapid Trisect Rapid 200, Bent 17 mm shaft L-140 mm with connecting cable L- 4 m	6 box (1X5) = 30 pcs.
5	21195-401 Instrument S/U Tripolar Tissue Navigation Instrument for Open Surgery Surgery Trisect Rapid Trisect Rapid 200, Bent 17 mm shaft L-200 mm with connecting cable L- 4 m	20 box (1X5) = 100 pcs.
6	21195-402 Instrument S/U Tripolar Tissue Navigation Instrument for Bariatric Surgery Surgery Trisect Rapid 350, Bent 17 mm shaft L-350 mm with connecting cable L- 4 m	25 box (1X5) = 125 pcs.
7	20195-501 / 502 / 503 / 504 / 505 / 506 / 507 / 508 / 509 / 510 / 511 / 512 / 513 / 514 / 515/516/517/518 Reusable Non Sticky Bipolar forceps, straight	65 pcs.
8	20195-531/ 532 / 533 / 534 / 535 / 536 / 537 / 538 / 539 / 541 / 542 / 547 / 546 / 550 / 554 / 556 / 558 Reusable Non Sticky Bipolar forceps, bayonet	217 pcs.
9	20196- 055 / 053 / 045 Reusable Bipolar connecting cable	200 pcs.
10	20192-113 / 117 Reusable Monopolar Cable	10 pcs.
11	20191-179 / 184 Reusable Hook electrode, flat, ϕ 5 mm, shaft insulated, length 350 mm; incl. electrosurgical pencil with 2 buttons with Reusable Monopolar Connecting Cable VIO for ESU Pencil Hook Electrode - (20192-110)	18 pcs.
12	20132-221 / 222 / 223 / 224 FiAPC probe 1500 A, ϕ 1.5 mm, flexible, length 1.5 m; with instrument recognition and integrated filter for Bronchoscopy	4 box (1X10) = 40 pcs.
13	20132-254 / 255 Single Use APC Applicator Lap Surgery with filter shaft 350 mm rigid needle / Spatulla electrode : remode with connecting cable 3 m	4 box (1X5) = 20 pcs.
14	20123-250 / 251 Single Use APC Applicator Open Surgery with filter shaft 35 mm rigid needle / Spatulla electrode : remode with connecting cable 3 m	8 box (1X5) = 40 pcs.
15	20189-302 100% Washable, remode Monopolar (Two) foot switch VIO3	7 pcs.
16	20150-301 Pump Cartedge for water jet	8 box (1X5) = 40 pcs.
17	20150-036 Applicator, straight, with monopolar electrosurgical function, ϕ 6 mm, length 80 mm; with suction, e.g. for liver surgery	3 box (1X5) = 15 pcs.
18	20188-300 100% Washable, Bipolar (One) foot switch VIO D / S / 3	6 pcs.
19	20195-221 Instrument Reuse, Open vessel sealer Biclamp 150 C e.g. Thyroidectomy.	5 pcs.
20	20150-030 Jet applicator / Probe Lap Open Surgery	2 box (1X5) = 10 pcs.

56



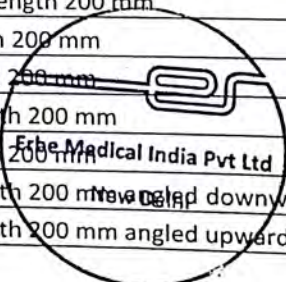
Proprietary Certificate

To whom it may concern

Erbe Bipolar PREMIUM Forceps

This is to certify that the listed Bipolar PREMIUM Forceps are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany and these product are not manufactured elsewhere.

Article No.	Catalogue Description
20195-501	Bipolar forceps PREMIUM, straight, tip 0.2 mm, pointed, length 120 mm
20195-502	Bipolar forceps PREMIUM, straight, tip 0.4 mm, very fine, length 120 mm
20195-503	Bipolar forceps PREMIUM, straight, tip 0.7 mm, fine, length 120 mm
20195-504	Bipolar forceps PREMIUM, straight, tip 0.7 mm, fine, angled, length 120 mm
20195-505	Bipolar forceps PREMIUM, straight, tip 0.2 mm, pointed, length 185 mm
20195-506	Bipolar forceps PREMIUM, straight, tip 0.4 mm, very fine, length 185 mm
20195-507	Bipolar forceps PREMIUM, straight, tip 0.7 mm, fine, length 185 mm
20195-508	Bipolar forceps PREMIUM, straight, tip 1 mm, blunt, length 185 mm
20195-509	Bipolar forceps PREMIUM, straight, tip 1 mm, blunt, angled, length 185 mm
20195-510	Bipolar forceps PREMIUM, straight, tip 0.2 mm, pointed, length 200 mm
20195-511	Bipolar forceps PREMIUM, straight, tip 0.4 mm, very fine, length 200 mm
20195-512	Bipolar forceps PREMIUM, straight, tip 1 mm, blunt, length 200 mm
20195-513	Bipolar forceps PREMIUM, straight, tip 1 mm, blunt, angled, length 200 mm
20195-514	Bipolar forceps PREMIUM, straight, tip 2 mm, blunt, angled, length 200 mm
20195-515	Bipolar forceps PREMIUM, straight, tip 2 mm, blunt, length 230 mm
20195-516	Bipolar forceps PREMIUM, straight, tip 1 mm, blunt, angled, length 260 mm
20195-517	Bipolar forceps PREMIUM, straight, tip 2 mm, angled, length 260 mm
20195-518	Bipolar forceps PREMIUM, straight, tip 2 mm, blunt, length 280 mm e.g. for urology
20195-531	Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 155 mm
20195-532	Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 155 mm
20195-533	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 155 mm
20195-534	Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 170 mm
20195-535	Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 170 mm
20195-536	Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 200 mm
20195-537	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 200 mm
20195-538	Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 200 mm
20195-539	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 200 mm
20195-540	Bipolar forceps PREMIUM, bayonet, tip 2 mm, blunt, length 200 mm
20195-541	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 200 mm angled downwards
20195-542	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 200 mm angled upwards



CS

erbe

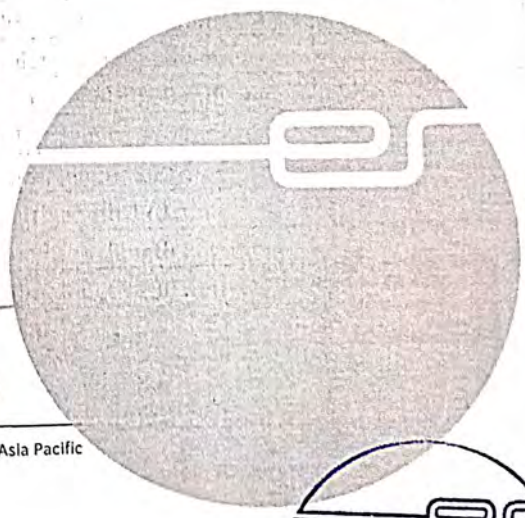
20195-543	Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 230 mm
20195-544	Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 230 mm
20195-545	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 230 mm
20195-546	Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 230 mm
20195-547	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 230 mm
20195-548	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 230 mm angled upwards
20195-549	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 230 mm angled upwards
20195-550	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 230 mm angled downwards
20195-551	Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 250 mm
20195-552	Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 250 mm
20195-553	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 250 mm
20195-554	Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 250 mm
20195-555	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 250 mm
20195-556	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 250 mm angled upwards
20195-557	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 170 mm
20195-558	Bipolar forceps PREMIUM, bayonet, tip 2 mm, blunt, length 250 mm
20195-559	Bipolar forceps PREMIUM, bayonet, tip 2mm, blunt, length 170 mm
20195-560	Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 200 mm
20195-561	Bipolar forceps PREMIUM, bayonet, tip 2 mm, blunt, length 230 mm

erbe

Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen, Germany

Natalie Zierhut, Business Manager Asia Pacific

Date 2021-02-18



Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany

Phone +49 7071 755-0
Fax +49 7071 755-179
info@erbe-med.com
erbe-med.com

CEO and President: Christian O. Erbe
Commercial Register Court Stuttgart
HRB 380137
VAT ID (USt-IdNr.): DE 146893422

Baden-Wuerttembergische Bank
IBAN: DE27 6005 0101 7477 5011 35
BIC: SOLADEST600

Kreissparkasse Tuebingen
IBAN: DE54 6415 0020 0000 0001 41
BIC: SOLADES1TUB

F3
SC



Proprietary Certificate

To whom it may concern

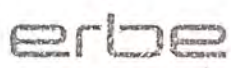
TriSect rapide® - with VIO® 3 and thermoSECT mode

This is to certify that the below listed variations of TriSect rapide®, with our electrosurgical generator VIO® 3 and the thermoSECT mode, are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany. We are the only manufacturer of these products, and they are not manufactured by any other company elsewhere in the world.

- 21195-400 - TriSect rapide 140, single-use, bent 17 mm, shaft length 140 mm
- 21195-401 - TriSect rapide 200, single-use, bent 17 mm, shaft length 200 mm
- 21195-402 - TriSect rapide 350, single-use, bent 17 mm, shaft length 350 mm
- 21195-403 - TriSect rapide 450, single-use, bent 17 mm, shaft length 450 mm

The following technologies are proprietary to Erbes TriSect rapide® dissect and sealing instrument:

- unique **tripolar technology** enables a quick electrical cut without a blade
- **true single step**: grasp, seal and dissect vessels and tissue bundles in a single workflow
- **thermoSECT mode** for simultaneous dissection and sealing
- **softCOAG bipolar mode** for immediate hemostasis, with powerful initial coagulation
- **cooler impact**: reduced thermal spread with lateral spread lower than 1mm



Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen, Germany

Date 2024-09-30

Natalie Zierhut, Business Manager Asia Pacific & Spain



Proprietary Certificate

53

erbe

Proprietary Certificate

To whom it may concern

Erbe FiAPC Probes

This is to certify that the listed FIAPC Probes are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany and these product are not manufactured elsewhere.

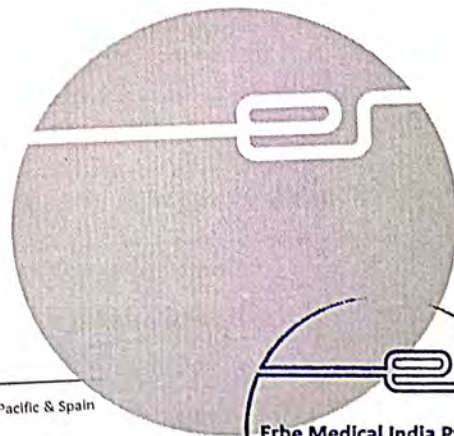
Article No.	Catalogue Description
20132-220	FIAPC probe 1500 A, ϕ 1.5 mm, flexible, length 1.5 m
20132-221	FIAPC probe 2200 A, ϕ 2.3 mm, flexible, length 2.2 m
20132-222	FIAPC probe 2200 A, ϕ 3.2 mm, flexible, length 2.2 m
20132-223	FIAPC probe 3000 A, ϕ 2.3 mm, flexible, length 3 m
20132-224	FIAPC probe 2200 SC, ϕ 2.3 mm, flexible, length 2.2 m
20132-225	FIAPC probe 2200 C, ϕ 2.3 mm, flexible, length 2.2 m
20132-226	FIAPC probe 3000 A, ϕ 1.5 mm, flexible, length 3 m

erbe

Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen, Germany

Natalie Zierhut, Business Manager Asia Pacific & Spain

Date 2024-01-10



Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany

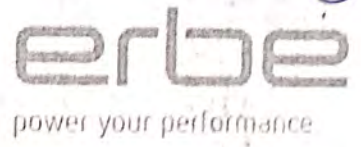
Phone +49 7071 755-0
Fax +49 7071 755-179
info@erbe-med.com
erbe-med.com

CEO and President: Christian O. Erbe
Commercial Register Court Stuttgart
HRB 380137
VAT ID (USt-IdNr.): DE 146893422

Baden-Württembergische Bank
IBAN: DE27 6005 0101 7477 5011 35
BIC: SOLADEST600

Kreissparkasse Tübingen
IBAN: DES4 6415 0020 0000 0001 41
BIC: SOLADES1TUB

52



Proprietary Certificate

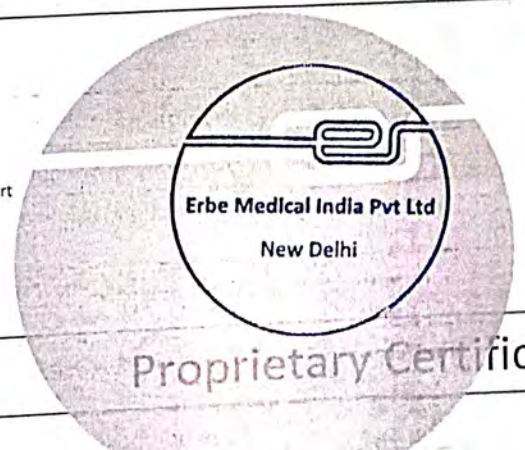
To whom it may concern

This is to certify that the listed instruments are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany and these products are not manufactured elsewhere.

Article No.	Catalogue Description
20150-015	HybridAPC, ø 2.3 mm, length 1.9 m
20150-030	Applicator, straight, ø 6 mm, length 65 mm; with suction, e.g. for liver surgery
20150-031	Applicator, flexible tip, ø 6 mm, length 65 mm; with suction, e.g. for liver surgery
20150-036	Applicator, straight, with monopolar electrosurgical function, ø 6 mm, length 80 mm; with suction, e.g. for liver surgery
20150-038	Applicator, straight, ø 6 mm, length 306 mm; with suction, e.g. for TME
20150-039	Applicator, straight, ø 6 mm, length 180 mm; with suction, e.g. for TME
20150-060	HybridKnife, T-type, full-stream, ø 2.3 mm, length 1.9 m; with connecting plug international (3-Pin)
20150-061	HybridKnife, I-type, full-stream, ø 2.3 mm, length 1.9 m; with connecting plug international (3-Pin)
20150-062	HybridKnife, O-type, full-stream, ø 2.3 mm, length 1.9 m; with connecting plug international (3-Pin)
20150-100	ERBEJET 2 two-pedal foot switch with ReMode, AP & IP X8 equipment
20150-101	ERBEJET 2 one-pedal foot switch with ReMode, AP & IP X8 equipment
20150-301	Pump cartridge plus for ERBEJET 2

Date 2023-09-11

i.A. Manuel Neuburger
Manuel Neuburger, Product Specialist International Sales Support



Proprietary Certificate

(E)

Proprietary Certificate

To whom it may concern

Erbe VIO® 3 & Instruments

This is to certify that the devices Erbe VIO® 3 in combination with the instruments listed below is a proprietary set of products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany. We are the only manufacturer of this set of product and it is not manufactured by any other company elsewhere in the world.

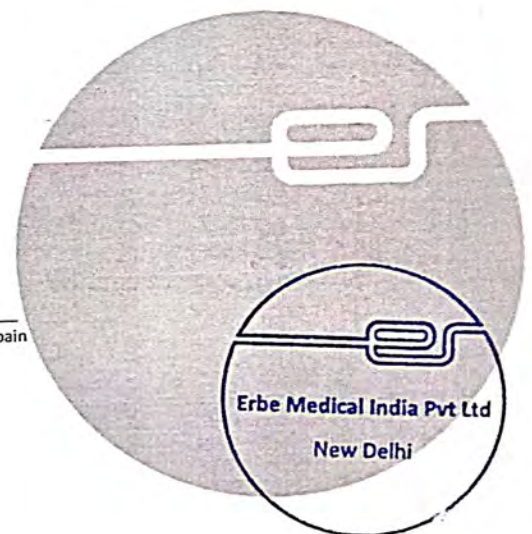
10160-000	Erbe VIO® 3
20195-200	BiClamp® 210
20195-202	BiClamp® 201 T
20195-203	BiClamp® 271 T
20195-204	BiClamp® LAP BiSect Micro
20195-221	BiClamp® 150 C
20195-280	BiClamp® 280
20195-299	BiClamp® 260 C
20195-134	BiClamp® LAP forceps Maryland

erbe

Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen, Germany

Natalie Zierhut, Business Manager APAC & Spain

Date 2022-06-15



Proprietary Certificate

50

Proprietary Certificate

To whom it may concern

This is to certify that the listed instruments are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany and these product are not manufactured elsewhere.

Article No.	Catalogue Description
20195-221	BiClamp 150 C, bent 23°, smooth, length 150 mm; with connecting cable 4 m and MF plug, with ceramic coating, e.g. for thyroidectomy
20195-134	BiClamp LAP forceps, Maryland, semi-deep ribbed, shaft ø 5 mm, non-adhesive coating, length 340 mm; with connecting cable 4 m and MF plug, complete instrument
20195-202	BiClamp 201 T, bent 18°, smooth, length 200 mm; with connecting cable 4 m and MF plug, with thermal insulation; for open surgical procedures, e.g. intestinal surgery
20195-200	BiClamp 210, bent 25°, smooth, length 210 mm; with connecting cable 4 m and MF plug, with corrugated surfaces, e.g. for vaginal hysterectomy
20195-311	BiCision M, ø 5 mm, shaft length 350 mm; for open and laparoscopic procedures
20195-204	LAP BiSect Micro, shaft ø 5 mm, length 350 mm; complete instrument
20195-150	Bipolar irrigation forceps, straight, tip 1.5 mm, blunt, length 200 mm;
20195-152	Bipolar irrigation forceps, bayonet, tip 1 mm, blunt, length 200 mm;

erbe
Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen, Germany

Manuel Neuburger

Date 2022-11-21

Manuel Neuburger, Product Specialist International Sales Support



(49)



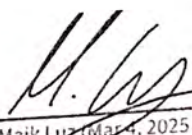
Proprietary Certificate

To whom it may concern

Erbe APCapplicator

This is to certify that the listed single-use APCapplicators are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany, and these products are not manufactured elsewhere.

Article No.	Catalogue Description
20132-250	APCapplicator, with filter, shaft 35 mm, rigid, spatula electrode, FiAPC feature (Gas filter integrated into the connection plug), ReMode function
20132-251	APCapplicator, with filter, shaft 35 mm, rigid, needle electrode, FiAPC feature (Gas filter integrated into the connection plug), ReMode function
20132-252	APCapplicator, FiAPC feature (Gas filter integrated into the connection plug), ReMode function
20132-253	APCapplicator, with filter, shaft 100 mm, rigid, needle electrode, APC applicator, with filter, shaft 100 mm, rigid, spatula electrode, FiAPC feature (Gas filter integrated into the connection plug), ReMode function
20132-254	APCapplicator, with filter, shaft 350 mm, rigid, spatula electrode, FiAPC feature (Gas filter integrated into the connection plug), ReMode function
20132-255	APCapplicator, with filter, shaft 350 mm, rigid, needle electrode, FiAPC feature (Gas filter integrated into the connection plug), ReMode function


 Maik Luz (Mar 4, 2025 09:52 GMT+1)
 Erbe
 Erbe Elektromedizin GmbH
 Waldhoernlestrasse 17
 72072 Tuebingen, Germany



Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany

Phone +49 7071 755-0
 Fax +49 7071 755-179
 info@erbe-med.com
 erbe-med.com

CEO and President: Christian O. Erbe
 Commercial Register Court Stuttgart
 HRB 380137
 VAT ID (USt-IdNr.): DE 146893422

Baden-Wuerttembergische Bank
 IBAN: DE27 6005 0101 7477 5011 35
 BIC: SOLADEST600

Kreissparkasse Tuebingen
 IBAN: DE54 6415 0020 0000 0001 41
 BIC: SOLADES1TUR

**Saw blades for Battery
operated
drill and saw system
Paediatric
Orthopaedics**



पीडियाट्रिक आर्थोपेडिक विभाग
किंग जार्ज चिकित्सा विश्वविद्यालय उ०प्र०, लखनऊ

वि.सं. 4106/पीड आर्थो/2025

पत्रांक सं० 4106 / पीड आर्थो / 2025

दिनांक: 08/10/2025

PROPRIETARY SPECIFIC BRAND GOODS CERTIFICATE

1	Item/ Type/ Model No. required along with specification	Saw blades for battery drill & saw system
2	If the item a spare part attachment or accessory for an existing equipment Yes / No (If Yes, provide details)	yes
3	Name of the manufacturers/supplier of the item proposed by the indenter	SYNTHES DEPUY (A division of Johnson & Johnson)
4	Are they sole manufacturers/ sold distributors of the item Yes / No	yes
5	If there any other item with similar/equivalent specification available in the market to meet the job requirement envisaged. Yes / No (If Yes, explain why those alternatives cannot be procured and provide a comparative analysis of the functional advantages/cost-effectiveness of the recommended item)	No
6	Efforts made to locate alternative sources of supply or use of substitutes	No, because the saw blades for battery drill & saw system required by us are used specifically for the battery operated drill & saw system (Trauma Recon system) made by Synthis depuy being used in the department.
7	Why open tender can't be resorted to, for locating alternative source.	Saw blades are specific for battery operated drill & saw system (Trauma Recon System) made by Synthes depuy being used in the department.
8	Are the proprietary items certified to have reasonable rates? Yes / No (Attach supporting documents, if applicable)	yes
9	Any other justification for procuring the item from a single source	Specified brand is the only brand that meets our functional requirement of using it with trauma recon system of synthes depuy.

I hereby certify that the above item is required to be procured on a proprietary/single-source basis, as the specified brand is the only known source that meets our functional requirements. Given the unique advantages of this brand, an open tender process would not serve any meaningful purpose in this case and can justifiably be waived.

(strike out whoever is not applicable)

J. Verma
6/10/2025
Head of the Department
Dr. VIKAS VERMA
Additional Professor & Head
Department of Paediatric Orthopaedics
KGMU Lko.



पीडियाट्रिक आर्थोपेडिक विभाग
किंग जार्ज चिकित्सा विश्वविद्यालय उ०प्र०, लखनऊ

Proprietary Article Certificate in the following form is to be provided by the Ministry/Department before procuring the goods from a single source under the provision of sub Rule 166 (i) and 1 66 (iii) as applicable.

(i) The indented goods are manufactured by SYNTHES DEPUY (A division of Johnson & Johnson)

(ii) No other make or model is acceptable for the following reasons :

The saw blades for battery drill & saw system required by us are used specifically for the battery operated drill & saw system (Trauma Recon system) made by Synthis depuy being used in the department.

(iii) Concurrence of finance wing to the proposal vide:N.A.....

(iv) Approval of the competent authority vide:N.A.....

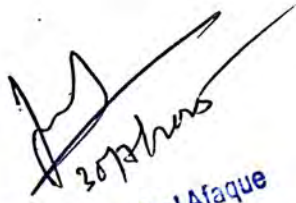
(Signature with date and designation
of the indenting officer)

Dr. Vikas Verma
6/10/2015
Dr. VIKAS VERMA
MS (Orthopaedics), PhD
Additional Professor & Head
Department of Paediatric Orthopaedics
KGMU, Lko.

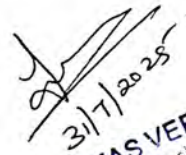
OF FOR

Specifications for Saw Blades & Battery operated drill and Saw System

Sr.No.	Dimensions	QTY.
1.	46/25×14×0.6/0.4 mm	10
2.	90×13×1.47 mm	10
3.	90×13×1.19 mm	10
4.	90×13×1.00 mm	10
5.	90×19×0.89 mm	5
6.	70×49×20×0.6/0.4 mm	5


30/7/25

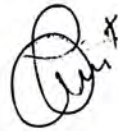
Dr. Syed Faisal Afaque
Associate Professor
Department of Paediatric Orthopaedics
KGMU


31/7/25

Dr. VIKAS VERMA
MS (Orthopaedics), PhD
Additional Professor & Head
Department of Paediatric Orthopaedics
KGMU, Lko.


31/7/25

Dr. Suresh Chand
Associate Professor
Department of Paediatric Orthopaedics
KGMU



Dr. Vineet Kumar
Professor (Jr.Gr)
Dept. of Orthopaedics
Dr. RMLIMS, Lucknow

June 20, 2024
ICD 1903618

To whom it may concern,

Proprietary Certificate & Agreement for Representation

We, the undersigned, on behalf of Synthes GmbH, located at Eimattstrasse 3, 4436 Oberdorf, Switzerland, as legal manufacturer of the products listed in Annex 1, hereby certify that products listed in Annex 1, are Proprietary products of **Synthes GmbH Eimattstrasse 3, 4436 Oberdorf, Switzerland.**

We further certify that Johnson & Johnson Private Limited, India is our affiliate and is authorized to market the products in India through its regional branch offices at Chennai, Delhi, Mumbai, and Kolkata. Johnson & Johnson Private Limited, India and its regional branch offices are authorized to submit offers and commit, sign, finalize, execute orders and, also to appoint distributors, dealers, and liaison agents for selling the complete range of products on our behalf.

Signed* on behalf of Synthes GmbH

*Electronically signed
by: Samantha Urech
Reason: I am
approving this
document*

Samantha Urech Date: Jun 25, 2024
12:43 GMT+2

*Electronically signed by:
Rafaella Khudaverdyan
Reason: I am approving
this document
Date: Jun 20, 2024
11:56 GMT+2*

Rafaella Khudaverdyan

Samantha Urech

Regulatory Execution and Strategy Lead

Rafaella Khudaverdyan

Regulatory Affairs Specialist

**This document is signed with e-signature ("Electronic Signature"). An Electronic Signature serves the same purpose as a wet ink one.*

Annex 1

Product material
APD- Air Pen Drive and Attachments
Air Power line II and Attachments
Battery Power Line and Attachments- BPL/ II
Colibri II & Attachments
CAD II- Compact Air Drive II & Attachments
Cutting Tools- Saw Blades, Burrs and Drill Bits
Electric Pen Drive & Consoles & Attachments
TRS- Trauma Recon System & Attachments
TRS Recon Saw
UBC II- Universal Battery Charger II
UNIUM and Attachments

End of List











45489-Proprietary Certificate

Final Audit Report

2024-06-25

Created:	2024-06-20
By:	Arpi Darakjian (ADarakji@ITS.JNJ.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAAnLTt0YwGiMw8j61Abj56Cag5kFWLIfo7

"45489-Proprietary Certificate" History

-  Document created by Arpi Darakjian (ADarakji@ITS.JNJ.com)
2024-06-20 - 8:14:40 AM GMT- IP address: 165.225.12.235
-  Document emailed to Rafaella Khudaverdyan (RKhudav1@ITS.JNJ.com) for signature
2024-06-20 - 8:15:09 AM GMT
-  Email viewed by Rafaella Khudaverdyan (RKhudav1@ITS.JNJ.com)
2024-06-20 - 8:55:07 AM GMT- IP address: 165.225.94.231
-  Rafaella Khudaverdyan (RKhudav1@ITS.JNJ.com) authenticated with Adobe Acrobat Sign.
Challenge: The user clicked on the signature field: 'Signature 1'.
2024-06-20 - 9:56:14 AM GMT
-  Document e-signed by Rafaella Khudaverdyan (RKhudav1@ITS.JNJ.com)
Signing reason: I am approving this document
Signature Date: 2024-06-20 - 9:56:23 AM GMT - Time Source: server- IP address: 165.225.94.231
-  Document emailed to Samantha Urech (SURECH@ITS.JNJ.COM) for signature
2024-06-20 - 9:56:25 AM GMT
-  Email viewed by Samantha Urech (SURECH@ITS.JNJ.COM)
2024-06-25 - 10:42:24 AM GMT- IP address: 165.225.94.219
-  Samantha Urech (SURECH@ITS.JNJ.COM) authenticated with Adobe Acrobat Sign.
Challenge: The user clicked on the signature field: 'Signature 2'.
2024-06-25 - 10:43:04 AM GMT
-  Document e-signed by Samantha Urech (SURECH@ITS.JNJ.COM)
Signing reason: I am approving this document
Signature Date: 2024-06-25 - 10:43:12 AM GMT - Time Source: server- IP address: 165.225.94.219
-  Agreement completed.
2024-06-25 - 10:43:12 AM GMT

REGISTERED OFFICE :
L.B.S. MARG
MULUND (WEST)
MUMBAI - 400 080
Tel. : 022-2584 4441
Fax : 022-2584 3410

Johnson & Johnson
PRIVATE LIMITED

BRANCH OFFICE :
DLF IT PARK, TOWER "C"
12TH FLOOR, BLOCK -AF
8 MAJOR ARTERIAL ROAD
NEW TOWN, RAJARHAT
KOLKATA - 700 156
Tel : 033 - 4080 6900
Fax : 033 - 4080 6901

TO WHOM SO EVER IT MAY CONCERN

Sub: Authorization Letter for M/s Medicine Agencies

Dear Sir,

We, M/s Johnson & Johnson Pvt. Ltd. are established and reputable importers of **Power Tools like Electric Pen drive (EPD), Battery Drill, Blades, Burr and other Consumables** products manufactured by **Synthes GmbH** having factories at various places in USA, Switzerland do hereby authorize **M/s. Medicine Agencies**, having their Registered Office at 1ST Floor, Gandhi Park, Gorakhpur, Uttar Pradesh-273001 Phone No:- **+91-9565775555** and email [id- medicence@rediffmail.com](mailto:medicence@rediffmail.com) to quote, negotiate and supply products imported by us .

We are authorizing them to submit quotation and service order.

No company or individual other than **M/s Medicine Agencies** is authorized for same tender business.

The said authorization is valid till 31.03.2027

Thanking You,

For Johnson and Johnson Pvt Ltd

**Ankur
Wadehra**

Digitally signed by Ankur Wadehra,
DN: cn=US, o=New Jersey, ou=Johnson & Johnson,
2.5.4.07=NTRL5-AU-0106201080,
email=AWADEHRA@its.jnj.com, sn=Wadehra,
givenName=Ankur, cn=Ankur Wadehra
Reason: I attest to the accuracy and integrity of this
document.
Date: 2025.11.17 14:39:32 +05:30
Adobe Acrobat Reader version: 2024.002.20759

Name: Ankur Wadehra

Designation: General Sales Manager -North

Email ID: jjmi-tender@its.jnj.com

Local Supervisor: Rakesh Kumar

Email ID: rkumar36@its.jnj.com

**High End EV Surgical
station with UHD 4K
Laparoscopic vision
platforms & complete
energy platforms -
Pediatric Surgery**




King George's Medical University, Lucknow
DEPARTMENT OF PEDIATRIC SURGERY
Lucknow – 226 003, India

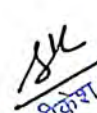


PROPRIETARY/ SPECIFIC BRAND GOODS CERTIFICATE

1	Item/ Type/ Model No. required along with specification	Combined High-End EV Surgical Station with UHD 4 K Laparoscopic Vision Platforms & Complete Energy Platform
2	If the item a spare part attachment or accessory for an existing equipment Yes / No (If Yes, provide details)	No
3	Name of the manufacturers/supplier of the item proposed by the indenter	M/s Erbe Elektromedizin GmbH, Waldhorenlestrasse 17, D-72072, Tübingen, Germany M/S Pee Vee Enterprises Lucknow – Authorized Supplier
4	Are they sole manufacturers/ sold distributors of the Item Yes / No	Proprietary In Nature – Sole Manufacturer
5	If there any other item with similar/equivalent specification available in the market to meet the job requirement envisaged. Yes / No (If Yes, explain why those alternatives cannot be procured and provide a comparative analysis of the functional advantages/cost-effectiveness of the recommended item)	No
6	Efforts made to locate alternative sources of supply or use of substitutes	No alternative source available with combination of Energy Platform with Waterjet technology & Vision Platform of single OEM
N e r g y	Why open tender can't be resorted to, for locating alternative source.	Proprietary In Nature as both Energy Source & Vision Source is Positioned together in form of EV Station
8	Are the proprietary items certified to have reasonable rates? Yes / No (Attach supporting documents, if applicable)	Yes – Po copy of SGPGIMS Lucknow & Dr Ram Manohar Lohia Institute of Medical Sciences Lucknow PO Copy Attached
9	Any other justification for procuring the item from a single source	Complete Energy Platform consists of Vessel Fusion SOURCE + Kinetic Energy Source + Hydrojet Source + UHD 4K Laparoscopic Tower with Recording facility of same OEM is not available by other OEM

I hereby certify that the above item is required to be procured on a proprietary/single-source basis, as the specified brand is the only known source that meets our functional requirements. Given the unique advantages waived, an open tender process would not serve any meaningful purpose in this case and can justifiably be waived.
(strike out whoever is not applicable)


HOD
Paediatric Surgery
Dr. RMLIMS, Lucknow


डा० श्रीदेव सिंह
आचार्य (ज्यो मेड)।
राज्य स्वास्थ्य शिक्षा विभाग
एनएसएल-लखनऊ, लखनऊ
ओ-पी-डी- नारायण / गुलाम


Head of the Department
DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003



King George's Medical University, Lucknow
DEPARTMENT OF PEDIATRIC SURGERY
Lucknow – 226 003, India



Proprietary Article Certificate in the following form is to be provided by the Ministry/Department before procuring the goods from a single source under the provision of sub Rule 166 (i) and 1 66 (iii) as applicable.

(i) The indented goods are manufactured by M/s Erbe Elektromedizin GmbH, Waldhorenlestrasse 17, D-72072, Tubingen, Germany

(ii) No other make or model is acceptable for the following reasons:
High End EV Station is safest and advanced Energy with Vision Platform, plays vital role for performing Open & Lap Surgery within golden hours of Surgery, shorter hospitalization time. Complete Platform Consists of :-
Advanced Energy Platform 10 – Waterjet + Argon Plasma with RF Energy Source + Vision Platform ; - 4K UHD Resolution, 4Chlp 4CMOS White Light with ICG

(iii) Concurrence of finance wing to the proposal vide:

(iv) Approval of the competent authority vide:

HOD
Paediatric Surgery
Dr. RMLIMS, Lucknow

डा.ओ. श्रीकेश सिंह
आचार्य (ज्यो. प्रो.)
माल्य सेवा विभाग
राजकीय-सर्वोच्च, लखनऊ
ओ.पी.डी- सोमवार / बुधवार

(Signature with date and designation of the indenting officer)

DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003

Proprietary Certificate

To whom it may concern

**VIO® 3, APC 3, ERBEJET® 2,
ERBECRYO® 2, IES 3, ESM 2 & Viron X**

This is to certify that the combination of above-mentioned products is a proprietary solution, manufactured by the Erbe Group with Headquarter at Waldhoernelestrasse 17, 72072 Tuebingen, Germany. We are the only manufacturer of these products, and they are not manufactured by any other company elsewhere in the world.

The following modes are proprietary for Erbe VIO®3:

preciseSECT

Optimized exposure as a result of dynamically adapting modulation.
Medium coagulation

highCUT bipolar

Smooth incisions,
minimum to moderate hemostasis.
For bipolar resection in a saline solution

thermoSEAL®

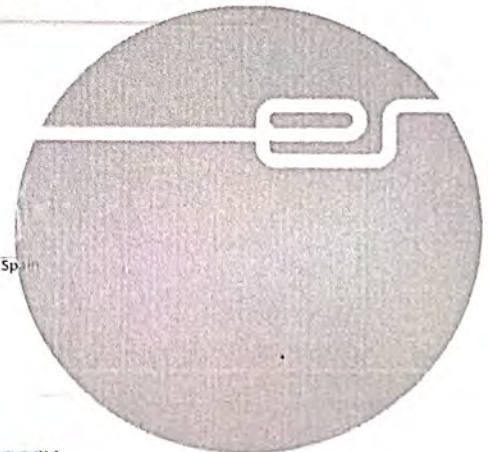
Special COAG mode for sealing highly-vascularized tissue bundles and blood vessels with a diameter of up to 7 mm using appropriate Erbe instruments

erbe

Erbe Elektromedizin GmbH
Waldhoernelestrasse 17
72072 Tuebingen, Germany

Date 2024-09-12

Natalie Zierhut, Business Manager Asia Pacific & Spain



Rawat

DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003

HOD

**Paediatric Surgery
Dr. RMLIMS, Lucknow**

Proprietary Certificate

DR. J.D. RAWAT
आचार्य (सुपे स्पेश)
की श्रेणी में
की श्रेणी में
की श्रेणी में
की श्रेणी में

Proprietary Certificate

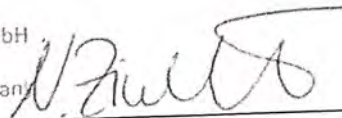
To whom it may concern

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.

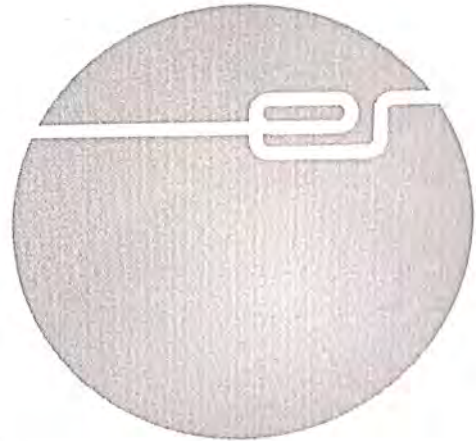
erbe


Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen, Germany




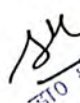
Natalie Zierhut, Business Manager Asia Pacific

Date 2021-10-06




HOD
Paediatric Surgery
Dr. RMLIMS, Lucknow


DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003


Proprietary Certificate

Proprietary Certificate

To whom it may concern

Erbe VIO® 3 & Instruments

This is to certify that the devices Erbe VIO® 3 in combination with the instruments listed below is a proprietary set of products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany. We are the only manufacturer of this set of product and it is not manufactured by any other company elsewhere in the world.

10160-000	Erbe VIO® 3
20195-200	BiClamp® 210
20195-202	BiClamp® 201 T
20195-203	BiClamp® 271 T
20195-204	BiClamp® LAP BiSect Micro
20195-221	BiClamp® 150 C
20195-280	BiClamp® 280
20195-299	BiClamp® 260 C
20195-134	BiClamp® LAP forceps Maryland

erbe

Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen, Germany

N. Zierhut

Date: 2022-06-15

Natalie Zierhut, Business Manager APAC & Spain



[Signature]

HOD

Paediatric Surgery
Dr. RMLIMS, Lucknow

J.D. Rawat

DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
Georg's Medical University
Lucknow U.P.-226 003

[Signature]

डा. श्रीधर सिंह
अध्यक्ष (सि.सि.)
बाल शल्य चिकित्सा विभाग
गर्गो मेडिकल यूनिवर्सिटी, लखनऊ
लखनऊ-226003 | भारत

Proprietary Certificate

Proprietary Certificate

To whom it may concern

TriSect rapide®

- with VIO® 3 and thermoSECT mode

This is to certify that the below listed variations of TriSect rapide®, with our electrosurgical generator VIO® 3 and the thermoSECT mode, are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany. We are the only manufacturer of these products, and they are not manufactured by any other company elsewhere in the world.

- 21195-400 - TriSect rapide 140, single-use, bent 17 mm, shaft length 140 mm
- 21195-401 - TriSect rapide 200, single-use, bent 17 mm, shaft length 200 mm
- 21195-402 - TriSect rapide 350, single-use, bent 17 mm, shaft length 350 mm
- 21195-403 - TriSect rapide 450, single-use, bent 17 mm, shaft length 450 mm

The following technologies are proprietary to Erbes TriSect rapide® dissect and sealing instrument:

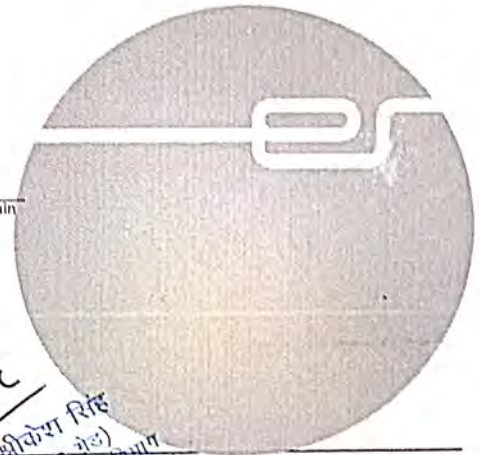
- **unique tripolar technology** enables a quick electrical cut without a blade
- **true single step:** grasp, seal and dissect vessels and tissue bundles in a single workflow
- **thermoSECT** mode for simultaneous dissection and sealing
- **softCOAG bipolar** mode for immediate hemostasis, with powerful initial coagulation
- **cooler impact:** reduced thermal spread with lateral spread lower than 1mm

erbe

Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen, Germany

Date 2024-09-30

Natalie Zierhut, Business Manager Asia Pacific & Spain



[Signature]

HOD

Paediatric Surgery
Dr. RMLIMS, Lucknow

[Signature]

DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003

[Signature]

उत्तम शिकारा रिहा
आचार्य (उत्तम शिकारा)
गणेश शिकारा
शिकारा-शिकारा
शिकारा-शिकारा

Proprietary Certificate

Proprietary Certificate

To whom It may concern

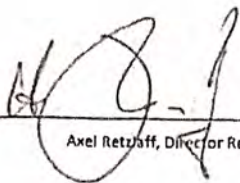
Bipolar Instruments

This is to certify that the following products :

- 20195-132 Bipolar LAP forceps, Maryland, deep ribbed, shaft \varnothing 5 mm, length 340 mm
- 20195-133 Bipolar LAP forceps, fenestrated, deep ribbed, shaft \varnothing 5 mm, length 340 mm
- 20195-081 Bipolar fixation forceps, shaft \varnothing 5 mm, insulated, length 330 mm
- 20195-226 Bipolar LAP scissors, Metzenbaum, shaft \varnothing 5 mm, length 340 mm

are specially designed to achieve the desired surgical outcomes as stated in the Intended Use (see Notes on Use of each product) in different surgical procedures".

These are proprietary products, marketed exclusively by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany.



2017/05/15

Axel Retzloff, Director Regulatory Affairs



HOD

Paediatric Surgery
Dr. RMLIMS, Lucknow



DR. J.D. RAWAT
Professor & Head

Department of Pediatric Surgery
King George's Medical University,
Lucknow



डा० श्रीकेश सिंह
आचार्य (ज० ग्रेड)

वाल्ड शाल्य चिकित्सा विभाग
डा० राम लो आरं. लखनऊ
सोफीटी गंगलवार / गुरुवार

Proprietary Certificate

Proprietary Certificate

To whom it may concern

Erbe Bipolar PREMIUM Forceps

This is to certify that the listed Bipolar PREMIUM Forceps are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany and these product are not manufactured elsewhere.

Article No.	Catalogue Description
20195-501	Bipolar forceps PREMIUM, straight, tip 0.2 mm, pointed, length 120 mm
20195-502	Bipolar forceps PREMIUM, straight, tip 0.4 mm, very fine, length 120 mm
20195-503	Bipolar forceps PREMIUM, straight, tip 0.7 mm, fine, length 120 mm
20195-504	Bipolar forceps PREMIUM, straight, tip 0.7 mm, fine, angled, length 120 mm
20195-505	Bipolar forceps PREMIUM, straight, tip 0.2 mm, pointed, length 185 mm
20195-506	Bipolar forceps PREMIUM, straight, tip 0.4 mm, very fine, length 185 mm
20195-507	Bipolar forceps PREMIUM, straight, tip 0.7 mm, fine, length 185 mm
20195-508	Bipolar forceps PREMIUM, straight, tip 1 mm, blunt, length 185 mm
20195-509	Bipolar forceps PREMIUM, straight, tip 1 mm, blunt, angled, length 185 mm
20195-510	Bipolar forceps PREMIUM, straight, tip 0.2 mm, pointed, length 200 mm
20195-511	Bipolar forceps PREMIUM, straight, tip 0.4 mm, very fine, length 200 mm
20195-512	Bipolar forceps PREMIUM, straight, tip 1 mm, blunt, length 200 mm
20195-513	Bipolar forceps PREMIUM, straight, tip 1 mm, blunt, angled, length 200 mm
20195-514	Bipolar forceps PREMIUM, straight, tip 2 mm, blunt, angled, length 200 mm
20195-515	Bipolar forceps PREMIUM, straight, tip 2 mm, blunt, length 230 mm
20195-516	Bipolar forceps PREMIUM, straight, tip 1 mm, blunt, angled, length 260 mm
20195-517	Bipolar forceps PREMIUM, straight, tip 2 mm, angled, length 260 mm
20195-518	Bipolar forceps PREMIUM, straight, tip 2 mm, blunt, length 280 mm e.g. for urology
20195-531	Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 155 mm
20195-532	Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 155 mm
20195-533	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 155 mm
20195-534	Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 170 mm
20195-535	Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 170 mm
20195-536	Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 200 mm
20195-537	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 200 mm
20195-538	Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 200 mm
20195-539	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 200 mm
20195-540	Bipolar forceps PREMIUM, bayonet, tip 2 mm, blunt, length 200 mm
20195-541	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 200 mm angled downwards
20195-542	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 200 mm angled upwards

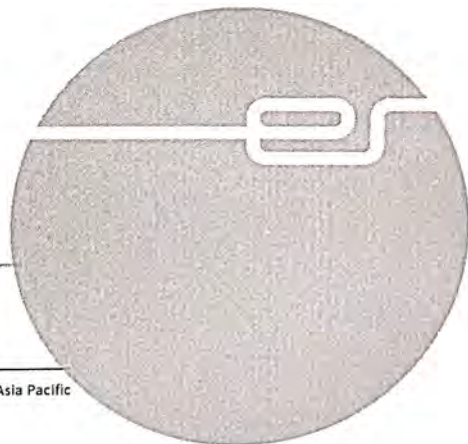
erbe

20195-543	Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 230 mm
20195-544	Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 230 mm
20195-545	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 230 mm
20195-546	Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 230 mm
20195-547	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 230 mm
20195-548	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 230 mm angled upwards
20195-549	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 230 mm angled upwards
20195-550	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 230 mm angled downwards
20195-551	Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 250 mm
20195-552	Bipolar forceps PREMIUM, bayonet, tip 0.4 mm, very fine, length 250 mm
20195-553	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 250 mm
20195-554	Bipolar forceps PREMIUM, bayonet, tip 1 mm, blunt, length 250 mm
20195-555	Bipolar forceps PREMIUM, bayonet, tip 1.2 mm, blunt, length 250 mm
20195-556	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 250 mm angled upwards
20195-557	Bipolar forceps PREMIUM, bayonet, tip 0.7 mm, fine, length 170 mm
20195-558	Bipolar forceps PREMIUM, bayonet, tip 2 mm, blunt, length 250 mm
20195-559	Bipolar forceps PREMIUM, bayonet, tip 2mm, blunt, length 170 mm
20195-560	Bipolar forceps PREMIUM, bayonet, tip 0.2 mm, pointed, length 200 mm
20195-561	Bipolar forceps PREMIUM, bayonet, tip 2 mm, blunt, length 230 mm

erbe

Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen, Germany

N. Zierhut



Date 2021-02-18

Natalie Zierhut, Business Manager Asia Pacific

Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany

Phone +49 7071 755-0
Fax +49 7071 755-179
Info@erbe-med.com
erbe-med.com

CEO and President: Christian O. Erbe
Commercial Register Court Stuttgart
HRB 380137
VAT ID (UST-IdNr.): DE 146893422

Baden-Württembergische Bank
IBAN: DE27 6005 0101 7477 5011 35
BIC: SOLADEST600

Kreissparkasse Tübingen
IBAN: DE54 6415 0020 0000 0001 41
BIC: SOLADES1TUB

HOD
Pediatric Surgery
Dr. RMLIMS, Lucknow

DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003

डॉ० श्रीकेश सिंह
आचार्य (जू० ग्रेड)
बाल्य शल्य चिकित्सा विभाग
डॉ० रा० म० लो० आ० सं०, लखनऊ
ओ०पी०डी०- मंगलवार / गुरुवार

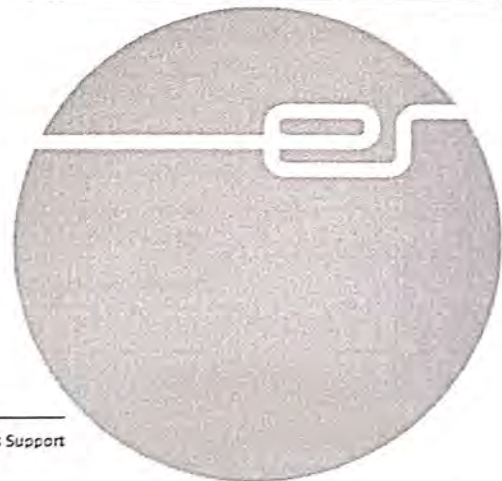
Proprietary Certificate

To whom it may concern

Erbe APCapplicator

This is to certify that the listed single-use APCapplicators are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany, and these products are not manufactured elsewhere.

Article No.	Catalogue Description
20132-250	APCapplicator, with filter, shaft 35 mm, rigid, spatula electrode, FiAPC feature (Gas filter integrated into the connection plug), ReMode function
20132-251	APCapplicator, with filter, shaft 35 mm, rigid, needle electrode, FiAPC feature (Gas filter integrated into the connection plug), ReMode function
20132-252	APCapplicator, FiAPC feature (Gas filter integrated into the connection plug), ReMode function
20132-253	APCapplicator, with filter, shaft 100 mm, rigid, needle electrode, APC applicator, with filter, shaft 100 mm, rigid, spatula electrode, FiAPC feature (Gas filter integrated into the connection plug), ReMode function
20132-254	APCapplicator, with filter, shaft 350 mm, rigid, spatula electrode, FiAPC feature (Gas filter integrated into the connection plug), ReMode function
20132-255	APCapplicator, with filter, shaft 350 mm, rigid, needle electrode, FiAPC feature (Gas filter integrated into the connection plug), ReMode function



M. Luz
Maik Luz (Maik, 2025 09:52 GMT+1)

Date 2025-03-04
Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen, Germany
Maik Luz, Global Sales Support

[Signature]

HOD
Paediatric Surgery
Dr. RMLIMS Lucknow

Erbe Elektromedizin GmbH Waldhoernlestrasse 17 72072 Tuebingen Germany
Phone +49 7071 755-0
Fax +49 7071 755-179
info@erbe-med.com
erbe-med.com
CEO and President: Christian O. Erbe
Commercial Register Court Stuttgart
HRB 380137
VAT ID (USt-IdNr.): DE 146893422

[Signature]

DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003

[Signature]
डा० अकेश सिंह
आचार्य (जू० ग्रेड)

क्रिस्तालीय ट्युबिंगेन
Bade-Württemberg
DE 27 605 070 7477 6011 35
DE 34 6415 0020 0000 0001 41
BIOLOGIAE INSTITUT
लखनऊ / युल्यार

Proprietary Certificate

To whom it may concern


This is to certify that the listed instruments are proprietary products, manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany and these products are not manufactured elsewhere.


Article No.	Catalogue Description
20150-015	HybridAPC, ø 2.3 mm, length 1.9 m
20150-030	Applicator, straight, ø 6 mm, length 65 mm; with suction, e.g. for liver surgery
20150-031	Applicator, flexible tip, ø 6 mm, length 65 mm; with suction, e.g. for liver surgery
20150-036	Applicator, straight, with monopolar electro-surgical function, ø 6 mm, length 80 mm; with suction, e.g. for liver surgery
20150-038	Applicator, straight, ø 6 mm, length 306 mm; with suction, e.g. for TME
20150-039	Applicator, straight, ø 6 mm, length 180 mm; with suction, e.g. for TME
20150-060	HybridKnife, T-type, full-stream, ø 2.3 mm, length 1.9 m; with connecting plug international (3-Pin)
20150-061	HybridKnife, I-type, full-stream, ø 2.3 mm, length 1.9 m; with connecting plug international (3-Pin)
20150-062	HybridKnife, O-type, full-stream, ø 2.3 mm, length 1.9 m; with connecting plug international (3-Pin)
20150-100	ERBEJET 2 two-pedal foot switch with ReMode, AP & IP X8 equipment
20150-101	ERBEJET 2 one-pedal foot switch with ReMode, AP & IP X8 equipment
20150-301	Pump cartridge plus for ERBEJET 2

Date 2023-09-11

i.A. Manuel Neuburger

Manuel Neuburger, Product Specialist International Sales Support


HOD
Paediatric Surgery
Dr. RMLIMS, Lucknow



DR. J.D. RAWAT
Professor & Head

Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003



Proprietary Certificate

Proprietary Certificate

To whom it may concern

Nessy® Omega

This is to certify that the following products :

- 20193-082 Nessy Omega, split patient plate
- 20193-083 Nessy Omega, split patient plate

are specially designed

- with a split-pad effective contact surface 85 cm² + equipotential ring 23 cm²
- and can be applied irrespective of the direction of the operative site

These are proprietary products, marketed exclusively by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany.



April 4, 2018

Michael Reick, Director Business Management

HOD
Paediatric Surgery
Dr. RMLIMS, Lucknow

DR. J.D. RAWAT
Professor, & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003

डा० श्रीकेश सिंह
आचार्य (जू० ग्रेड)
बाल्य शल्य चिकित्सा विभाग
डा० राममंलोआंसं, लखनऊ

ओ०पी०डी०- मंगलवार / गुरुवार

Proprietary Certificate

Technical Specification for Combined High-End EV Surgical Station with UHD 4 K Laparoscopic Vision Platforms & Complete Energy Platform

Complete EV Surgical Station should comprise of following Energy & Vision Source

- A) RF Energy Platform -Electro surgery unit with Thermo-fusion (Vessel Sealing)
- B) Argon Plasma Coagulation - For management of bleeding and devitalization of tissue abnormalities
- C) Water Jet Tissue Dissection System with Suction Module - 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.
- D) Smoke Evacuation Unit – For taking care of surgical smoke
- E) UHD Camera Head & Camera Control Unit (CCU)
- F) 4K UHD Telescopes
- G) 4K UHD Medical Grade Monitor 32" (Twin)
- H) LED Light Source with fiber optic Cable
- I) X Light Source for NIR Imaging
- J) Illuminator
- K) CO2 Gas Insufflator
- L) Suction - irrigation pump
- M) ICG


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

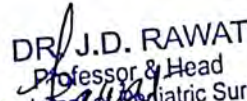
* Radio Frequency Energy Platform High End Electro Surgical Generator unit with Vessel Sealing facility should be microprocessor controlled, US-FDA / European Certificate marked in accordance with the medical devices directive (93/42/EEC) & should comply with the requirement of the medical device directive of class I

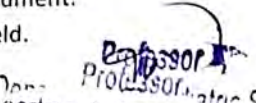
Equipment and electromagnetic compatibility.

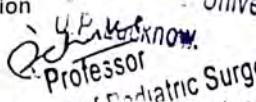
- * The Electro surgical generator should be 400-watt touch screen display with 15 digital signal processors.
- * Unit should facilitate functions of monopolar, bipolar & vessel sealer with in-built regulated power supply adapter for bipolar resection.
- * Special bipolar mode for coagulation of vascular tissue (Vessel Sealing) up to 7 mm with Reusable / Single use Hand instrument for open as well laparoscopic surgeries & should have US- FDA approval for 7mm Vessel.
- * Unit 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 any instrument.
- * System should have remote function to allow user to access 6 sub programs directly from the sterile field.
- * Unit should have high cut mode for monopolar modalities
- * Each socket should support the Auto Start 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

डा० श्रीकेश सिंह
आचार्य (फि. मेंड)
वालय शल्य चिकित्सा विभाग
ज०रा०म०लो०आ०सं०, लखनऊ
ओ०पी०डी०- मंगलवार / गुरुवार


Paediatric Surgery
Dr. RMLIMS, Lucknow


DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003


Professor
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.


Professor
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.

- * Unit should have Precise Sect 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 up to 7mm diameter and min. burst 360mmHg burst pressure.
- * Unit should have an Auto Cut 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 programmers' 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 supplied with Argon plasma coagulation unit having forced APC, pulsed APC and precise APC Modes

The generator should be supplied with HydroJet to facilitate use of unique hybrid technology Instruments for all Surgical Modalities.

- * Unit must be compatible & Supplied with Intelligent smoke evacuation module and suction module. from Same OEM

- * Unit should support neutral electrode.

*** Following essential accessories to be supplied as a part of Radio Frequency Energy Platform High End Electro Surgical Generator unit with Vessel Sealing facility from Same Single OEM and Affidavit related to the 100% compliance of offered accessories as per nomenclature mentioned below - single or reusable along with mentioned qty and offered of same O.E.M should be provided, else bid will be rejected**

- Water resistant or 100% Washable (IPX8) Footswitch Monopolar & Bipolar both with facility for swapping between programs with mandatory minimum shelf life of 500 Procedure - 1Nos.
- Reusable Monopolar cable for Endoscopic instruments with mandatory minimum shelf life of 50 -100 Procedures - 2 Nos
- Reusable Bipolar Cable for reusable bipolar forceps with mandatory minimum shelf life of 50 -100 Procedures - 5 No
- Reusable Bipolar forcep straight & Bayonet non sticky 02 each with mandatory minimum shelf life of 50- 100 Procedures
- Reusable Thermo-fusion / Vessel Sealing hand instrument for Lap surgeries (for vasculatures up to 7mm) LAP forceps, Maryland, semi-deep ribbed, shaft @ 5 mm, non-adhesive coating, length 340 mm; with connecting cable 4 m and MF plug, complete instrument with mandatory minimum shelf life of 50 - 100Procedures - 2 Nos
- Reusable Thermo-fusion / Vessel Sealing hand instrument for Open surgeries (for vasculatures up to 7mm) bent 18°, smooth, length 200 mm; with connecting cable 4 m and MF plug, with thermal insulation, for open surgical procedures, e.g., intestinal surgery with mandatory minimum shelf life of 50 - 100 Procedures - 4 Nos,
- Single Use Tissue Navigation Instrument for Cutting & Sealing both Lap & Open Surgery 10 Pcs each

डा० प्रमोद सिंह
आरपी (जू० ग्रेड)
बाल्य शल्य चिकित्सा विभाग
आर०एम०एल०आ०स०, लखनऊ
शे०पी०डी०- मंगलवार / गुरुवार

HOD
Paediatric Surgery
Dr. RMLIMS, Lucknow

DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003

Professor
Pediatric Surgery
Professor
Pediatric Surgery
University

h) Reusable Bipolar Lap Scissor for Laparoscopic surgery with cable, shaft 5 mm, length 350 mm; complete instrument with mandatory minimum shelf life of 50 - 100 Procedures - 02 Nos

i) Single Use hand pencil with Monopolar Electrodes - disposable 100 Pcs to perform 100 procedures

j) Single Use Patient plate with equipotential ring - disposable 100 Pcs to perform 100 procedures

k) Workstation trolley with attached Suction unit from same OEM - 1Nos.

2. Argon Plasma Coagulation

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

* Argon Plasma unit should be microprocessor controlled, US-FDA / European Certificate marked in accordance with the medical devices directive (93/42/EEC) & should comply with the requirement of the medical device directive of class I equipment and electromagnetic compatibility.

* 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.

* Following essential accessories to be supplied as a part of Argon Plasma from Same OEM only.

a) Argon assisted cutting instrument for open surgery and laparoscopic surgery - 01 Nos each.

b) Imported Argon Cylinder with Pressure reducer - 02 Nos

c) Imported Pressure reducer for argon cylinder - 01 Nos

3. 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.

डा० श्रीकेश सिंह
आचार्य (जू० ग्रेड)
वालय शल्य चिकित्सा विभाग
डा० राममोहन आर०, लखनऊ
ओ०पी०डी०- मंगलवार / गुरुवार

HOD
Paediatric Surgery
Dr. RMLIMS, Lucknow

DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003

Suburb

Professor
Paediatric Surgery
King George's Medical University
Lucknow

- * Water jet Unit should be, US-FDA & European Certificate marked in accordance with the medical devices directive (93/42/EEC) & should comply with the requirement of the medical device directive of class I equipment and electromagnetic compatibility.
- * 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 essential accessories to be supplied as a part of Waterjet energy source from Same OEM only.**

- a) Water Jet accessories / applicator for Laparoscopy and open surgery - 02 Nos Each
- b) Water Jet pump cart edge - 02 Box (Box of 10 Pcs)

4. Automatic Smoke Evacuation Unit

- The smoke plume evacuation system should be microprocessor controlled, US-FDA and / or European Certificate marked in accordance with the medical devices directive (93/42/EEC) & Electro Surgical Unit should comply with the requirement of the medical device directive of class I equipment and electromagnetic compatibility.
- The smoke plume evacuation system should be compatible with already installed VIO Surgical Workstation & Electrosurgical Units and should be fitted into same station trolley for smooth functioning and ergonomics.
- The smoke plume evacuation system should be able to extract and filter smoke and aerosol- laden air during surgical procedures & should be also able to filter COVID -19 like viruses and other microorganism present in surgical smoke generated during the procedure.
- The system should have a functional 5.7 inches touch screen display for better visibility& ease of control & display should be able to show settings, operating modes, filter run-time and information messages for the user.
- The System should have Bi-Turbo technology for effective filtration, should have ULPA-15 filter (5 stage filter protection) and active carbon filters & should also have ability to remove 99.9995% of all 0.1µm particles.
- The system filter should have maximum output of 730 l/min & have the ability to give a notification when volume flow of more than 300l/min is reached.
- The system should have ability to be used along with any electrosurgical unit, Laser and ultrasound devices & system should have automatic activation feature, no need of any additional footswitch for activation during monopolar electrosurgical applications.
- The system should display error if filter is not inserted to prevent damage & system should be able to be used in vertical as well as horizontal way as per user needs.

डा० श्रीकांत सिंह
आचार्य (जू० ग्रेड)
बाल्य शल्य चिकित्सा विभाग
डॉ० रा० न० लो० आ० सं०, लखनऊ
जी० पी० डी० - मंगलवार / गुरुवार

HOD
Paediatric Surgery
Dr. RMLIMS, Lucknow

Professor
Department of Paediatric Surgery
King George's Medical University
Lucknow
Professor
Department of Paediatric Surgery
King George's Medical University
Lucknow U.P.-226 003

- The system should have the ability to be fixed on the ceiling units (OT pendants) & should have the ability to be used with 2 instruments at the same time during any Surgical Procedures.
- The system should be able to used in open as well as lap surgical procedures with All required Accessories from same OEM only & system noise development at 100% evacuation should be ≤ 59 dB as must have sound insulation cladding, integrated ducts and airborne sound absorbers for noise insulations.
- The user should be able to set critical features like - suction efficiency, standby suction efficiency as well as standby suction time in both lap and open surgery modes & should have footswitch activation facility for laser and ultrasonic uses during procedure.
- The system should be provided with self-sealing water trap to protect the main filter cartridge from liquids & weight of system should be < 10 kgs.
- Service life of the unit filter should be for

- **OPEN SURGERIES**

- 40 hrs at 30% evacuation
- 32 hrs at 60% evacuation
- 25 hrs at 100% evacuation

- The smoke evacuator unit should have an interface to connect it to the Electro Surgery system and should also be used as a "stand alone" unit.
- The unit should have provision to be activated via the interface to the Electrosurgery unit, and the time and type of activation can be selected and stored for every output socket and for every cutting or coagulation mode of each program of the Electro surgery unit.
- The unit should additionally be activated manually using the START / STOP button or the footswitch. Deactivation should be controlled via the interface or by programming an after-run time.
- For safety reasons, an automatic function check of the unit and of the activation components connected to the unit should be performed after the mains switch has been switched on.
- A System display should indicate the filter level.
- The smoke evacuator unit should be supplied with essential accessory Filter Cartridge.
- The smoke evacuator unit should be supplied with essential accessories of same O.E.M
- One pedal foot switch AP & IP 100% waterproof endorsed by IPX8 certification of same O.E.M.

5. UHD 4K Laparoscopy Set with ICG Platform

UHD Camera Head & Camera Control Unit (CCU)

- * Ultra High-Definition (HD) Laparoscopic camera system should have following features:
- * Pure Digital UHD technology with UHD video of 3840 x 2160p native resolution.
- * Should have progressive scan technology.
- * Consistent use of 16:9 formats for input and output for HDTV function
- * Single CMOS having hi-fidelity image transmission with digital conversion at camera head itself.

डा. विकेश सिंह
आचार्य (जू० ग्रेड)
आर्य विद्यापीठा विभाग

HOD
Paediatric Surgery
Dr. RMLMS, Lucknow

Department of Paediatric Surgery
King George's Medical University
Lucknow

Professor
Department of Paediatric Surgery
King George's Medical University
Lucknow

Professor
Department of Paediatric Surgery
King George's Medical University
Lucknow

- * System should be able to optimize all the settings and should have surgery presets for use in different surgeries as per telescope size.
- * Should be compatible for remote controlled operation of various features.
- * Image Sensor: 3 CMOS ,1 ICG
- * AGC Microprocessor controlled.
- * Video Outputs HDTV-DVI-D/3GSDI/HDSI
- * Dedicated Full UHD (3840*2160p) medical grade USB recording system for still images and video recording.
- * Camera should have function to identify blood vessels using edge & spectral enhancement algorithms.
- * Camera settings (e.g., white balance, zoom, gain, sharpness etc.) should be possible directly from the camera head buttons.
- * The system should have **digital zoom** and **optional optical zoom** to enhance the quality of image size & cross specialty standardization of the camera system, regardless of the telescope used.

UHD IR Telescope 10mm (0 & 30 degree)

- * 4K Optics for better contrast & color reproduction.
- * Large field of view and depth of focus.
- * Completely distortion free
- * Laser welded, Sapphire tip and three tube design. Autoclavable type
- * Telescope should have outstanding sharpness at periphery as well as at center of the image.

UHD IR Telescope 5 / 5.5mm (0 & 30 degree)

- * HD/ Optics for better contrast & color reproduction.
- * Large field of view and depth of focus.
- * Laser welded, Sapphire tip and three tube design.
- * Completely distortion free
- * Autoclavable type and should be supplied with autoclavable tray.

ICG

- Should supply with Fluorescence Imaging technology for open procedure and Laproscopic procedure
- Video Processor and Illuminator
- The VPI shall be able to provide the VIS (visible) and NIR (near-infrared) illumination to the surgical endoscope via a flexible light guide simultaneously.
- The VIS light source shall be consisted of light emitting diode array.
- The NIR light source shall be consisted of NIR laser diode array.
- The VPI shall be able to generate simultaneous real-time UHD video color and ICG fluorescence images as an overlay in the same image.
- NIR light source shall be triggered by the button on the camera.
- It shall have an indicator in the monitor when NIR light source is on.
- Video output signals: 2 UHD-SDI, 1 DVI
- It shall be able to convert the video format between UHD-SDI and 3G-SDI.
- The device shall have features for easy use at the front panel for quick operation and setting purpose:
- Illumination button
- White balance button

श्रीकेश सिंह
आचार्य (जू० ग्रेड)
बाल्य शल्य चिकित्सा विभाग
डा० राममनोआरं, लखनऊ
ओ०पी०डी०- मंगलवार / गुरुवार

HOD
Paediatric Surgery
Dr. RMLIMS, Lucknow

Department of
King George's Medical
U.P. University
Professor
Department of
Surgery
University
Lucknow
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P. - 226 003

- Menu setting
- An Indication icon shall be shown on the monitor to indicate whether the white balance is completed.
- The device shall be able to generate and display 4 different modes of images on the monitor simultaneously.
- White Light mode - displays the image in white light.
- Black and White Fluorescence mode - displays the NIR Fluorescence image in greyscale and displays others in black.
- NIR and VIS overlay mode - displays the NIR fluorescence which is superimposed in pseudo-color (green) on a white light image
- Color-segmented Fluorescence mode - displays the NIR fluorescence intensities in a color spectrum that is superimposed on a white light image
- Indication icons shall be shown on the monitor to differentiate the 4 modes of display.

UHD Monitor – 32"

- It should be supplied with double arm UHD monitor stand with double UHD 4K monitors.
 - * The Monitor should have a 32" display and full glass front panel.
 - * The monitor should have a native resolution on 4K ultra high definition (3840 x 2160 pixels)
 - * The monitor should be of medical grade with ultra-flat compact housing for display and power supply in extremely robust light metal construction.
 - * The monitor should be maintenance-free with special cooling, completely without mechanical moving parts.
 - * The monitor should comply with IEC 60601-1: 2012, IEC 60601-1-2:2020.
 - * The monitor should have a protective panel having aluminum silicate glass with anti-reflective coating and anti-fingerprint coating.
 - * The monitor should have a color depth of 1.07 billion colors & contrast ratio of 1700:
 - * The monitor should have Brightness of max. 650 cd/m² & a Viewing angle of 178°/178°
 - * The monitor should have optical bonding.
 - * The monitor should have following input Interfaces, 4x SDI-IN (2x max. 12G-capable, 2x max. 3G-capable), 1x 12G-SDI loop through, 2x HDMI 2.0 IN, 1x HDMI 2.0 loop-through.
 - * The monitor should have integrated OSD settings LED Light Source
 - * The white light LED source should have a color temperature of 6000K.
 - * The lamp lifetime of the light source should be greater than 50,000 hours.
 - * The light source should have automatic or manual dimming method.
 - * The light source should have a BNC video input connector.
 - * The light source should have overheating and fibre optic connection safety feature. Light Guide Cable
- The system should come with an autoclavable fibre optic cable of 4.8 mm diameter, must be Autoclavable High Resistance protection tube, reduced diameter with high fibre density, Small bending radius for comfortable use, min. 230 cm Length.

X-Light (source for NIR imaging):

- Light source with Near InfraRed/ICG technology

HOD
Pediatric Surgery
Dr. RMLIMS, Lucknow

डा० प्रकाश सिंह
आचार्य (जू० प्रो०)
राज्य चिकित्सा विभाग
लखनऊ

DR. J.D. BAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow U.P.-226 003

Department of Pediatric Surgery
King George's Medical University
U.P. Lucknow

- Optional accessories Fiber optic light cable
 Ø3.5mm (no. 20820-000) Fiber optic light cable Ø4.8mm (no. 20821-000)
- Mains voltage 100-240 V
- Mains frequency 50-60 Hz
- Operating conditions Temperature: +10° C to +35° C
- Humidity: 5%-85% RH (without condensate) Atmospheric pressure: 70-106 kPa
- Transport and storage conditions Temperature: -10° C to +55° C
- Humidity: 5%-95% RH (without condensate) Atmospheric pressure: 50-106 kPa
- Manufacturer Erbe Vision GmbH, Eisenbahnstrasse 102, 78573 Wurmlingen, Germany E-mail: info@erbevision.com
- Distributor Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany Classification (according to MDR 2017/745) Class I
- Protection class CF

VIRON XO Illuminator

It should be applied along with working length 150mm.

LED Light Source with Fiber Optic Cable

- Color rendering index (CRI):
- Number of light outputs: min. 1
- Frequency: 50-60 Hz.
- Power consumption 220 VA.
- Dimensions (WxHxD)
- Certified to: IEC 60601-1, IEC 60601-2-18, CE according to MDD, protection class 1 / safety class electric shock at least CF; with KS light cables
- Fiberoptic cable for use with the cold light source offered Length min. 2.5m
- Autoclavable fiber optic cable with a diameter of 4.8 mm
- Adjustable light source
- Monitoring the LED function (e.g. service life if necessary)
- Can/must the bulb be replaced?
- BNC video input connector
- Overheating and fiber optic connection protection
- At least 50,000 hours of lamp life
- Automatic exposure control mode that adjusts the aperture depending on the available light
- What status indicators are there on the processor or the light source?
- Automatic switch-off of the light source when the cold light cable is disconnected or mechanical shock
- LED cold light source with high-performance LEDs for white light applications with high light intensity
- No use of laser light, thus eliminating the need for any laser safety measures

श्रीकेश सिंह
 (ज्यो प्रोफ)

HPD
 Paediatric Surgery
 Dr. RMLIMS, Lucknow

Professor
 Department of Pediatric Surgery
 King George's Medical University
 U.P. Lucknow
 Professor
 Department of Pediatric Surgery
 King George's Medical University
 U.P. Lucknow
 DR. J.D. Prasad
 Professor & Head

UHD Medical Video Recorder

- * Should be a modular and preconfigured system for intraoperative documentation of still images and videos
- * Should record still images and videos in 4K UHD (3860 x 2160)
- * Video recording format should be MPEG 4 AVC/H.265
- * Still image recording format should be BMP/TIFF/JPEG
- * Compatible media should be Internal HDD/Blu-ray disks/DVD/USB stick
- * Internal HDD capacity should be at least 4 TB
- * Should have basic functions for editing of still images & videos
- * Should have integrated file viewer for still images & videos
- * Should have structured & clear user guidance to fill patient's data (ID, procedure name, sex, Surgeon's name, etc.), and have access for functions like play, recording start-stop, pause, capture. Supported colour system should be PAL, NTSC
- * Should have an in-built display monitor or separate HD monitor should be provided which allows to record or capture in real time
- * Should have video input signals- 12GSDI, Quad SDI, HDMI
- * Should be able to record the fluorescence images
- * The system should have supplied with all the accessories and inter component interface devices / switches for integration of system, ready for to interface with the hospital central IT network through LAN.
- * Power Supply- 230VAC, 50-60Hz

CO2 Insufflator – Indigenus (MII)

- * Should have line voltage range of 170-260 volts.
- * Should have frequency of 50Hz.
- * Should have maximum power consumption up to 75VA.
- * Should have CO2 medical grade (USP) insufflations medium.
- * The LCD Display should show pressure, gas consumption settings and actual pressure.
- * It should have pressure setting range between 1 to 25 mmHg.
- * It should have a maximum of 30/40 L/min outlet for CO2 gas flow.
- * It should have 3L/min fixed Veress CO2 flow.
- * It should have 36-degree Celsius outlet of the trocar end for warmer (only for CO2)
- * The unit should have operating environment range of 10 degree Celsius to 40 degree Celsius
- * It should have dimensions of 160x330x330mm
- * It should have weight of at least 6 kg.

Suction - Irrigation pump

- * The suction irrigation pump should be a single unit.
- * It should have a provision to customize/upgrade the user programs through software license keys.
- * It should have Touch screen display for easy operation.
- * It should have functions for distension, fluid aspiration and irrigation of body cavities.
- * It should have monitoring of fluid deficit in laparoscopy.
- * It should come with a pressure sensitive and wireless foot switch for easier operation.

डा० श्रीनिवास सिंह
आचार्य (ज० ग्रेड)
राज्य स्वास्थ्य शिक्षण विभाग
लखनऊ

HOD
Paediatric Surgery
Dr. RMLIMS, Lucknow

DR. J.D. RAWAT
Professor & Head
Department of Pediatric Surgery
King George's Medical University

Professor
Department of Pediatric Surgery
King George's Medical University
U.P. Lucknow

Essential Criteria:

1. Demonstration (Optional), Online or Physical or at hospital premises at OEM cost.
2. CMC offered for the quoted equipment should not be more than 5% of the quoted model with not more than 5% escalation per year after completion of CMC period.
3. CMC offered for the quoted equipment must be on OEM letterhead for further years. CMC offered on distributors // vendor letterhead will not be considered.
4. Installation process should be performed by OEM trained service engineer // service representative on OEM's letter head // service report, with a mandatory provision of providing preventive service visits of OEM trained service engineer // service Representative quarterly per year till completion of warranty period (i.e. 20 visits for first five years) and further quarterly visit (04 visits // year) till the completion of CMC period
5. The installation process must be completed by the OEM // Service provider within 30 days of supply.
6. The accessories // consumables utilized during the period of installation process should be taken care FOC by OEM // Service provider.
7. The equipment complies with the requirement of the Medical Device Directive of class I equipment and Electromagnetic compatibility; all supporting documents must be provided.
8. Equipment should have brand name // model number embossed // etched on the equipment.
9. In case of technical snag // failure // breakdown, the response time for inspection should be within 24 Hour and repair within 5 days, otherwise provide a service machine until the period of recovery of breakdown of the unit. Failing which will attract penal action as per the decision of the University (Uptime guarantee of 95%).

[Signature]

[Signature]

[Signature]

[Signature]
Department of Pediatric Surgery
King George's Medical University
U.P. Lucknow

Department of Pediatric Surgery
King George's Medical University
U.P. Lucknow
Associate Professor

Department of Pediatric Surgery
King George's Medical University
U.P. Lucknow

Department of Pediatric Surgery
King George's Medical University
U.P. Lucknow

Department of Pediatric Surgery
King George's Medical University
U.P. Lucknow

Department of Pediatric Surgery
King George's Medical University
U.P. Lucknow

HOD
Paediatric Surgery
Dr. R.M.C.I.M.S, Lucknow

डा. श्रीवेंकट सिंघ
अधीन (चु. प्र.)
संस्था सहाय विज्ञान विभाग
संस्था सहाय विभाग, सहायक
वि. वि. - सहायक / सुसहाय

DR. J.B. P. SINGH
Professor & Head
Department of Pediatric Surgery
King George's Medical University
Lucknow