



अखिल भारतीय आयुर्विज्ञान संस्थान राजकोट, गुजरात 360001  
All India Institute of Medical Sciences, Rajkot, Gujarat 360001

Dated: 18 Oct 23

**Subject: Proposal for Purchase of The Mobile Pulmonary Therapeutic Cryoworkstation from for the Department of Pulmonary Medicine on Proprietary basis at AIIMS Rajkot- Inviting Comments/Objection thereon.**

The Institute is in the process for the purchase of above cited item from Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany on a proprietary basis (PAC). The proprietary certificate submitted is attached & uploaded on website.

The above documents are being uploaded for open information to all principle manufacturers or their authorized distributors with the intention to invite objection/comments, if any with regard to proprietary nature of the above said system and accessories/consumables.

The comments/objections if any, should be received in the office of Stores, AIIMS Rajkot Khanderi, Para Pipaliya, Rajkot, Gujarat, INDIA, 360006, within 15 days from the date of notification, failing which it will be presumed that no other bidder/manufacturer/ vendor is having any comments/objection against the proposition and the case shall be decided purely on merit.



  
Deputy Director (Admin)  
कनिष्ठ पुनीत कुमार अरोरा;  
Col. Puneet Kumar Arora,  
उप निदेशक (प्रसा.)/Dy. Director (Admin),  
एम्स राजकोट - 360 001, गुजरात.  
AIIMS Rajkot - 360 001, Gujarat.

Enclosure: Related documents enclosed.

## **Specifications for Mobile Pulmonary Therapeutic Cryo Workstation (Electrosurgical Generator with Cryotherapy and APC unit)**

### **Cryotherapy unit**

1. Unit should comprise of Cryo system with flexible Cryo Probes from the same OEM to perform Biopsies, Recanalization & devitalisation.
2. Should be supplied with an integrated High End RF Electro Surgical Unit from the same OEM for electrosurgical Cut & Coag modes for optimum effect of HF surgery & dedicated high-end Argon plasma coagulation unit also from the same OEM for homeostasis of bleeding tissues & devitalisation of pathological tissues with non-contact technology for coagulation.
3. The Cryotherapy System should be programmable based, monochrome display, activation via footswitch and the minimum freezing temperature should reach within 5 seconds mounted on mobile cart with wire basket and CO2 Cylinder (02Units) compatible with cooling gas - CO2 gas as coolant and provided with connection pipe for gas exhaust.
4. The Unit should have a connector for single hand operation.
5. The Cryotherapy System should be flow controlled for operating gas pressure between 45- 60 bar & should have feature to count the reprocessing cycle of the instrument.
6. The Offered System should have Effect Settings up to 5 depending on the type of instruments used, with an Programmable memory of up to 10 settings with activation from Foot Switch.
7. The Cryotherapy System should work on Frequency of 50/60Hz with a line current of 0.4-0.8 Amp.
8. Following flexible cryoprobes should be supplied
  - a. Flexible cryo Probe of 2.4 mm diameter – 20 Qty
  - b. Flexible cryo Probe of 1.7 mm diameter – 20 Qty
  - c. Flexible cryo Probe of 1.1mm diameter – 10 Qty
9. The Equipments accessories & consumables should be of same offered Original Equipment Manufacturer.
10. The Cryotherapy System should be, US-FDA/ European CE certified.
11. The system should be convenient to operate and should be of high quality and reliability.
12. The offered Mobile Cryo Workstation should be able to get synchronised with other compatible Energy Units of same make & OEM so that can be used as an Advanced Workstation.





### **Argon plasma Coagulation system**

13. Should be compatible for use with bronchoscopes and be able for the management of bleeding and devitalisation of tissue abnormalities achieved by optimal coordination with RF / ESU generator of the same make.
14. The Argon Plasma Coagulation system should have automatic parameters setting for various types of instruments and automatic depth-controlled plasma regulation.
15. 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
16. 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.
17. Should have the facility to use Argon Plasma Coagulation & Monopolar Coagulation simultaneously
18. Should have automatic monitoring of flow rate and Argon supply and auto purge facility.
19. It should have the facility to connect with central gas supply.
20. Should give visual display of argon gas bottle content and should give Acoustic alarm when bottle content reaches a minimum.
21. Should have facility for activation of unit by foot pedal of the Electro Surgical unit.
22. APC Probes
  - Should be compatible with endoscopes/Bronchoscopes with channel diameter of 2.8 mm or more
  - Following APC probes should be supplied
    - Axial (Straight fire) probe – 10 Nos
    - Lateral (Side fire) probe – 5 Nos
    - Radial (Circumferential) probe – 5 Nos
    - Neutral electrodes / patient plate for Argon Plasma procedures - 02 Box.

### **Electrosurgical generator**

23. Should be compatible for use with bronchoscopes and be able for the management of bleeding and devitalisation of tissue abnormalities.
24. The supplied Electro Surgical Unit should be USFDA & European Certificate marketed in accordance with the medical device's directive (93/42/EEC), Class I Equipment & Electromagnetic Compatibility certificate & ISO Certificate.
25. The supplied Electro Surgical Unit should be micro controller based & should adjust the power to get the desired surgical effect on the tissue. All settings should be controlled by the machine and according to the tissue delivery. Power should be displayed on the screen with graph facility to show the delivered power.
26. The unit should have step guide suggesting appropriate setting configurations for every instrument and application.
27. Should have monopolar and bipolar functions

*Kuna*

28. Electro Surgical unit should have cut and coagulation modes.
29. Should have unique EndoCut mode for pulmonary surgical related procedures
30. Coagulation mode should have option of variable coagulation like soft coagulation, forced coagulation, spray coagulation.
31. The electro surgical unit should have Power and Voltage automatic regulation feature to prevent tissue damage and charring.
32. It should have provision of audiovisual alarm and deactivate output if contact between patient and patient plate is not proper to eliminate the risk of patient burns.
33. Should have facility to show active instruments on the screen display.
34. Trolley: Compatible trolley of same/reputable make for mounting all components.
35. Others
  - a. Compatible constant voltage transformer and UPS, if required, of appropriate capacity should be supplied
  - b. All connecting cables to make the system work.



डॉ. कुणाल देवकर / Dr. Kunal Deokar  
सहायक आचार्य / Assistant Professor  
पलमोनरी मेडिसीन विभाग / Department of Pulmonary Medicine  
अखिल भारतीय आयुर्विज्ञान संस्थान, राजकोट  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAJKOT

# Proprietary Certificate

To whom it may concern

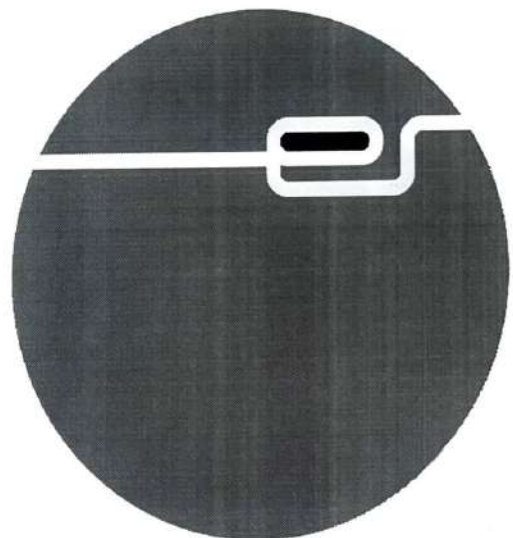
This is to certify that the modules and sub-modules can be combined on a workstation as listed below. The products are manufactured by Erbe Elektromedizin GmbH, Waldhoernlestrasse 17, 72072 Tuebingen, Germany and these products are not manufactured elsewhere.

1. VIO 3, APC 3 and ERBEJET 2
2. VIO 3, APC 3, ERBEJET 2 and IES 3
3. VIO 3, APC 3 and CRYO 2
4. VIO 300D, APC 2 and ERBEJET 2
5. VIO 300D, APC 2 and CRYO 2
6. VIO 200S and APC 2

*M. Luz*

Date 2023-03-21

Maik Luz, Product Specialist Global Sales Support



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Proprietary Certificate



# erbe

## MANUFACTURER'S AUTHORIZATION

LOA 23-24/38

07.06.2023

AIIMS Rajkot,  
Department of Pulmonology  
Khanderi, Para Pipaliya, Rajkot, Gujarat, India, 360006

Sir,

**Erbe Medical India Pvt. Ltd.**, is a 100% subsidiary of **Erbe Elektromedizin GmbH Germany** who are established and reputable manufacturers of Electrosurgical Diathermy Units, Advanced Vessel Sealing, and other energy solutions viz. Argon Plasma, Waterjet, Smoke evacuation and Cryo products. We have our manufacturing at **Erbe Elektromedizin GmbH, Waldhorenlestrasse 17, D-72072, Tübingen, Germany.**

This LOA intends to authorise **M/s Athena Medical Systems, B-1310, Ratnaakar 9 Square, Opp. Keshav Baug Party Plot, Mansi Circle Road, Vastapur, Ahmedabad, Gujarat-380015** to submit technical specifications for Cryo workstation and related accessories, initiate all documentation formalities on our behalf. Once the tender is officially floated we would re-authorise **M/s Athena Medical Systems** to participate and do the needful formalities on or behalf."

No other vendor or supplier is authorized to represent us in the Department of Pulmonology.

The validity of this letter stands till 30<sup>th</sup> Dec'2023 or unless notified by us in writing.

Yours truly

**For Erbe Medical India Pvt Ltd**

  
**Yash Sharma**  
Tender and Sales Coordinator

Erbe Medical India Private Ltd., Plot No : 447, Pocket B, Sector-19, Dwarka, New Delhi – 110075, India Phone +91 11 41009808 [www.erbe-india.com](http://www.erbe-india.com) [erbe@erbe-india.com](mailto:erbe@erbe-india.com)

Deutsche Bank AG  
Chennai Branch  
Current Acc.No: 5006846-00-0  
Swift Code: DEUT0916CNN  
CIN: U33119TN2007PTC062336

Elektromedizin GmbH  
Walhoerlestrasse 17  
72072 Tuebingen,  
Germany  
[erbe-med.com](http://erbe-med.com)

Kreissparkasse Tuebingen  
Konto 141  
SWIFT –BIC: SOLADES1TUB  
IBAN : DE546415 0020 0000 0001 41  
BLZ: 641 500 20

GSTIN  
Delhi : 07AABCE7430L1ZK  
Chennai : 33AABCE7430L1ZP  
Mumbai : 27AABCE7430L1ZI  
Kolkata : 19AABCE7430L1ZF



Ref No : AIIMS / RJT / PULMO / 2023 / 09 / 254

Dated: 06/10/2023

Subject : Procurement of Mobile Pulmonary Therapeutic Cryoworkstation

Description	Encis No
1 It is proposed to procure Mobile Pulmonary Therapeutic Cryoworkstation for Department Of Pulmonary Medicine, AIIMS Rajkot.	
2 The equipment is available on GeM. Technical specifications of the equipment are enclosed.	1
3. The item is to be procured on PAC basis. The proprietary certificate submitted by OEM is enclosed.	2
4. The equipment is also purchased by other AIIMS on PAC basis	3
5. Draft notice required to be published on the institute website inviting comments/objections thereon from any manufacturer regarding proprietary nature of the item is enclosed.	4
5. Approval may please be accorded to publish the notice and thereafter proceed with tender on GeM.	

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डॉ. मनीष देवका / Dr. Manish Deokar  
सहायक अ. प्रो. / Assistant Professor  
पल्मोनरी मेडिसिन विभाग / Department of Pulmonary Medicine  
अखिल भारतीय आयुर्विज्ञान संस्थान राजकोट  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAJKOT

A/O

A/O i) As per Ref N.P-01

ii) Procurement of Mobile Pulmonary Therapeutic Cryoworkstation indent from pulmonary department

iii) P.O for approval.

*JBale*  
#10/23

AO(Acc): (i) As per ref. N.P-01  
(ii) Put up for approval

*Shrooai*  
07/10/2023 (P.T.O.)

DD(A):

1. Ref US-1 ave.
2. Ref for consideration as proposed through PAC route.

  
07/04/23

E)

"A"



2

07/04/23