

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific information required.

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,  
STORE SECTION (DO), 1<sup>ST</sup> FLOOR, ANIMAL HOUSE,  
ANSARI NAGAR, NEW DELHI-110 029, INDIA**

## **TENDERENQUIRY DOCUMENT**

**(Two Bid System for Machinery & Equipments)**



**Advertised Tender Enquiry No.: XX-198/SO(DO)/ENT/25-26/M&E**

**Brief Description of Goods : Purchase of ENT Drill System - 04  
Nos.**

**SECTION-I**



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES**  
**ANSARI NAGAR, NEW DELHI-110 029**  
**TENDER ENQUIRY DOCUMENTS (TED)**

Advertised Tender Enquiry No : **XX-198/SO(DO)/ENT/2025-26/M&E**

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

| S. No. | Brief Description of Goods   | Quantity | Amount of Bid Security/EMD (in Rs.) |
|--------|------------------------------|----------|-------------------------------------|
| 1.     | Purchase of ENT Drill System | 04 Nos.  | INR Rs. 8,00,000/-                  |

**CRITICAL DATE SHEET**

|                                       |                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------|
| Published Date & Time                 | 16-01-2026 at 04.00 pm                                                                           |
| Bid Document Download/Sale Start Date | 16-01-2026 at 04.00 pm                                                                           |
| Seek Clarification Start Date         | 16-01-2026 at 04.00 pm                                                                           |
| Seek Clarification End Date           | 23-01-2026 at 04.00 pm                                                                           |
| Pre Bid Meeting                       | 30-01-2026 (Friday) at 03:30 pm                                                                  |
| Pre Bid Meeting Place & Address       | Department of ENT, Room No. 4057, 4 <sup>th</sup> Floor, Teaching Block, AIIMS, New Delhi-110029 |
| Bid Submission Start Date & Time      | 09-02-2026 at 04.00 pm                                                                           |
| Bid Submission End Date & Time        | 23-02-2026 (Monday) at 03.00 pm                                                                  |
| Bid Opening Date & Time               | 24-02-2026 at 03.00 pm                                                                           |

**Section – VII**  
**TECHNICAL SPECIFICATION AND GENERAL POINTS**

|                                                          |
|----------------------------------------------------------|
| <b>Item Name: ENT Drill System</b>                       |
| <b>Qty: 04 Nos.</b>                                      |
| <b>Warranty Guarantee: 2 Years Warranty+8 Years CAMC</b> |

|          |                                                                                                                                                |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b> | <b>Universal Console-01 No</b>                                                                                                                 |
| 1        | Should have in built user friendly interactive menu and illustrative help guide                                                                |
| 2        | The various parameters should be able to adjust either from touch screen panel or from the multifunction foot switch                           |
| 3        | Should be able to connect multiple hand pieces at a time like shaver hand pieces, Otologic drills, Stapedotomy Drill, Lateral Skull Base Drill |
| 4        | Console should recognize the various hand pieces and automatically adjust the settings accordingly                                             |
| 5        | Should have inbuilt pumps each for Irrigation(5Cc / Min to 100Cc / Min) and Cooling                                                            |
| 6        | Should have multifunction ergonomically designed foot control for easy identification                                                          |
| 7        | Should be able to control Speed / Mode, Forward / Reverse toggle, Active hand piece change from the Foot control itself                        |
| 8        | Should have option for remote control Irrigation to operate from sterile area                                                                  |
| 9        | Should have provision to connect facial nerve monitor with the Otologic drill                                                                  |
| 10       | Should have the option to work without foot paddle                                                                                             |
| <b>B</b> | <b>Stapes Drill-01 No</b>                                                                                                                      |
| 1        | Stapes drill should have the speed upto 16000 RPM                                                                                              |
| 2        | Should have the provision to mount the console on various sizes of IV poles                                                                    |
| <b>C</b> | <b>Mastoid Drill-02 No</b>                                                                                                                     |
| 1        | Mastoid drill should have the speed of 70000 RPM or beyond and ample Torque                                                                    |
| 2        | Should have the provision to mount the console on various sizes of IV poles                                                                    |
| 3        | Should have option for remote control/Foot Irrigation to operate from sterile area by the surgeon himself.                                     |
| <b>D</b> | <b>Skull Base Drill-01 No</b>                                                                                                                  |
| 1        | Mastoid drill should have the speed of 70000 RPM or beyond and ample Torque                                                                    |
| 2        | Should have the provision to mount the console on various sizes of IV poles                                                                    |
| 3        | Should have option for remote control/Foot Irrigation to operate from sterile area by the surgeon himself.                                     |
| <b>E</b> | <b>Shaver Handpiece-02 No</b>                                                                                                                  |
| 1        | Able to work up in forward rotation and oscillation mode                                                                                       |
| 2        | Have fingertip control to rotate only the tip of the blade up to 360 deg                                                                       |
| 3        | Have straight suction path inside hand-piece to reduce clogging and allow efficient tissue removal                                             |
| 4        | Have integrated blade locking system to lock the blade tip rotation                                                                            |
| 5        | Have ergonomic design for better grip and should have design to prevent wire/ tubing entanglement.                                             |
| 6        | Have Titanium body to avoid rusting                                                                                                            |

|          |                                                                                                    |
|----------|----------------------------------------------------------------------------------------------------|
| <b>F</b> | <b>Micromotor Handpiece(Straight)- 02 No</b>                                                       |
| 1        | Have ergonomic design for better grip and should have design to prevent wire/ tubing entanglement. |
| 2        | Drill must be useful for Lateral skull base surgery/ Otolaryngology procedures                     |
| 3        | The system should have electric motor which has maximum stall torque more than 40 mNm              |
| 4        | Motor should run speed of 70000 RPM or beyond                                                      |
| 5        | Weight of the drill should be less than 100 grams                                                  |
| 6        | Handpiece should have quick release and lock system for tools and attachment                       |
| <b>G</b> | <b>Micromotor Handpiece(Angled)- 02 No</b>                                                         |
| 1        | Drill handpiece should be ergonomically designed and easy to hold while operating                  |
| 2        | Drill must be useful for transnasal skull base procedures                                          |
| 3        | The system should have electric motor which has maximum stall torque more than 40-42 mNm           |
| 4        | Motor should run speed of 70000 RPM or beyond                                                      |
| 5        | Weight of the drill should be less than 100 grams                                                  |
| 6        | Handpiece should have quick release and lock system for tools and attachment                       |
| <b>H</b> | <b>Skull Base Hand Piece(Straight)-02 Nos</b>                                                      |
| 1        | Drill handpiece should be ergonomically designed and easy to hold while operating                  |
| 2        | Drill must be useful for transnasal skull base procedures                                          |
| 3        | The system should have electric motor which has maximum stall torque more than 40-42 mNm           |
| <b>I</b> | <b>Skull Base Hand Piece(Angled)-02 Nos</b>                                                        |
| 1        | Drill handpiece should be ergonomically designed and easy to hold while operating                  |
| 2        | Drill must be useful for transnasal skull base procedures                                          |
| 3        | The system should have electric motor which has maximum stall torque more than 40-42 mNm           |
| <b>J</b> | <b>Micro Sagittal Saw-01 No</b>                                                                    |
| 1        | Microsaws should come with integrated on saw irrigation system..                                   |
| 2        | Should have Color-coded handpieces, blades, and connectors for easy set-up                         |
| 3        | Microsaws should be light weight and the cable should be fix with the saws system                  |
| 4        | Cable should be flexible and Autoclavable                                                          |
| 5        | All the handpiece should be separate no adaptors required for common                               |
| 6        | The Saws handpiece should be separate and should not be interchangeable with single hand piece     |
| <b>K</b> | <b>Micro Oscillating Saw-01 No</b>                                                                 |
| 1        | Microsaws should come with integrated on saw irrigation system..                                   |
| 2        | Should have Color-coded handpieces, blades, and connectors for easy set-up                         |
| 3        | Microsaws should be light weight and the cable should be fix with the saws system                  |
| 4        | Cable should be flexible and Autoclavable                                                          |
| 5        | All the handpiece should be separate no adaptors required for common                               |
| 6        | The Saws handpiece should be separate and should not be interchangeable with single hand piece     |
| <b>L</b> | <b>Micro Reciprocation Saw-01 No</b>                                                               |
| 1        | Microsaws should come with integrated on saw irrigation system..                                   |
| 2        | Should have Color-coded handpieces, blades, and connectors for easy set-up                         |
| 3        | Microsaws should be light weight and the cable should be fix with the saws system                  |
| 4        | Cable should be flexible and Autoclavable                                                          |
| 5        | All the handpiece should be separate no adaptors required for common                               |
| 6        | The Saws handpiece should be separate and should not be interchangeable with single hand piece     |

| M  | Consumables for 01 Year                                                     |
|----|-----------------------------------------------------------------------------|
| 1  | Inferior Turbines Blades Diameter 2 to 3mm- 60 Nos                          |
| 2  | DCR Burs- Cutting Diameter 2.5 to 3.0mm Length 10-11cm- 15 Nos              |
| 3  | DCR Burs- Diamond Diameter 2.5 to 3.0mm Length 10-11cm- 15 Nos              |
| 4  | Septoplasty Bur Diameter 3.0 to 3.5mm Length 10-11cm- 10 Nos                |
| 5  | Laryngeal Blades Length 21.5 to 27.5 cm Diameter 3 to 4 mm- 10 Nos          |
| 6  | Laryngeal Blades Length 20.5 to 27.5 cm Diameter 4 to 4.5mm- 10 Nos         |
| 7  | Laryngeal Blades Length 30.5 to 37.5 cm Diameter 3.5 to 4 mm- 10 Nos        |
| 8  | Laryngeal Blades Length 44.5 to 45.5 cm Diameter 3 to 4 mm- 10 Nos          |
| 9  | Debrider Blade Zero Degree Diameter 3 to 4 mm Length 10-11 cm- 20 Nos       |
| 10 | Debrider Blade Forty Degree Diameter 3 to 4 mm Length 10-11 cm- 20 Nos      |
| 11 | Debrider Blade Forty Degree Diameter 3 to 4 mm Length 10-11 cm- 20 Nos      |
| 12 | Debrider Blade Sixty Degree Diameter 3 to 4.5mm Length 10-11cm- 20 Nos      |
| 13 | Debrider Blade Ninety Degree Diameter 3 to 4.5mm Length 10-11cm- 20 Nos     |
| 14 | Debrider Blade One Twenty Degree Diameter 3 to 4.5mm Length 10-11cm- 20 Nos |
| 15 | Debrider Blade Zero Degree Diameter 2 to 3 mm Length 10-11 cm- 20 Nos       |
| 16 | Debrider Blade Forty Degree Diameter 2 to 3 mm Length 10-11 cm- 20 Nos      |
| 17 | Adenoid Blade Diameter 4.5 to 5mm Length 10-11cm- 20 Nos                    |
| 18 | Carbide Cutting burs diameter 7.5 to 8.5mm- 10 Nos                          |
| 19 | Carbide Cutting burs diameter 6.5 to 7.5 mm- 10 Nos                         |
| 20 | Carbide Cutting burs diameter 5.5 to 6.5mm- 10 Nos                          |
| 21 | Carbide Cutting burs diameter 4.5 to 5.5mm- 10 Nos                          |
| 22 | Carbide Cutting burs diameter 3.5 to 4.5mm- 10 Nos                          |
| 23 | Carbide Cutting burs diameter 2.5 to 3.5 mm- 10 Nos                         |
| 24 | Carbide Cutting burs diameter 1.5 to 2.5 mm- 10 Nos                         |
| 25 | Carbide Cutting burs diameter 0.5 to 1.5 mm- 10 Nos                         |
| 26 | Diamond burs diameter 7.5 to 8.5mm- 10 Nos                                  |
| 27 | Diamond burs diameter 6.5 to 7.5 mm- 10 Nos                                 |
| 28 | Diamond burs diameter 5.5 to 6.5mm- 10 Nos                                  |
| 29 | Diamond burs diameter 4.5 to 5.5mm- 10 Nos                                  |
| 30 | Diamond burs diameter 3.5 to 4.5mm- 10 Nos                                  |
| 31 | Diamond burs diameter 2.5 to 3.5 mm- 10 Nos                                 |
| 32 | Diamond burs diameter 1.5 to 2.5 mm- 10 Nos                                 |
| 33 | Diamond burs diameter 1.0 to 1.5 mm- 10 Nos                                 |
| 34 | Diamond burs diameter 0.5 to 1.0 mm- 10 Nos                                 |
| 35 | Coarse Diamond burs diameter 6.5 to 7.5 mm- 10 Nos                          |
| 36 | Coarse Diamond burs diameter 5.5 to 6.5mm- 10 Nos                           |
| 37 | Coarse Diamond burs diameter 4.5 to 5.5mm- 10 Nos                           |
| 38 | Coarse Diamond burs diameter 3.5 to 4.5mm- 10 Nos                           |
| 39 | Coarse Diamond burs diameter 2.5 to 3.5 mm- 10 Nos                          |
| 40 | Coarse Diamond burs diameter 1.5 to 2.5 mm- 10 Nos                          |
| 41 | Coarse Diamond burs diameter 1.0 to 1.5 mm- 10 Nos                          |
| 42 | Coarse Diamond burs diameter 0.5 to 1.0 mm- 10 Nos                          |
| 43 | Diamond Scrapes Bur diameter 0.8 mm- 10 Nos                                 |
| 44 | Diamond Scrapes Bur diameter 0.6 mm- 10 Nos                                 |
| 45 | Diamond Scrapes Bur diameter 0.7 mm- 10 Nos                                 |

|    |                                                                                                                                                                                                                                                                                                                         |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46 | Diamond Stapes Burr diameter 1.0 mm-10 Nos                                                                                                                                                                                                                                                                              |
| 47 | Diamond Stapes Burr diameter 2.0-2.5 mm-10 Nos                                                                                                                                                                                                                                                                          |
| 48 | Ball Diamond burr for Skull Base Drill Straight Attachment Diameter 0.5-1mm-05 Nos                                                                                                                                                                                                                                      |
| 49 | Ball Diamond burr for Skull Base Drill Straight Attachment Diameter 1-2mm-05 Nos                                                                                                                                                                                                                                        |
| 50 | Ball Diamond burr for Skull Base Drill Straight Attachment Diameter 2-3mm-05 Nos                                                                                                                                                                                                                                        |
| 51 | Ball Diamond burr for Skull Base Drill Straight Attachment Diameter 3-4mm-05 Nos                                                                                                                                                                                                                                        |
| 52 | Ball Diamond burr for Skull Base Drill Straight Attachment Diameter 4-5mm-05 Nos                                                                                                                                                                                                                                        |
| 53 | Ball Diamond burr for Skull Base Drill Straight Attachment Diameter 5-6mm-05 Nos                                                                                                                                                                                                                                        |
| 54 | Ball Cutting burr for Skull Base Drill Straight Attachment Diameter 0.5-1mm-05 Nos                                                                                                                                                                                                                                      |
| 55 | Ball Cutting burr for Skull Base Drill Straight Attachment Diameter 1-2mm-05 Nos                                                                                                                                                                                                                                        |
| 56 | Ball Cutting burr for Skull Base Drill Straight Attachment Diameter 2-3mm-05 Nos                                                                                                                                                                                                                                        |
| 57 | Ball Cutting burr for Skull Base Drill Straight Attachment Diameter 3-4mm-05 Nos                                                                                                                                                                                                                                        |
| 58 | Ball Cutting burr for Skull Base Drill Straight Attachment Diameter 4-5mm-05 Nos                                                                                                                                                                                                                                        |
| 59 | Ball Cutting burr for Skull Base Drill Straight Attachment Diameter 5-6mm-05 Nos                                                                                                                                                                                                                                        |
| 60 | Ball Diamond burr for Skull Base Drill Angled Attachment Diameter 1-2mm-05 Nos                                                                                                                                                                                                                                          |
| 61 | Ball Diamond burr for Skull Base Drill Angled Attachment Diameter 2-3mm-05 Nos                                                                                                                                                                                                                                          |
| 62 | Ball Diamond burr for Skull Base Drill Angled Attachment Diameter 3-4mm-05 Nos                                                                                                                                                                                                                                          |
| 63 | Ball Diamond burr for Skull Base Drill Angled Attachment Diameter 4-5mm-05 Nos                                                                                                                                                                                                                                          |
| 64 | Ball Diamond burr for Skull Base Drill Angled Attachment Diameter 5-6mm-05 Nos                                                                                                                                                                                                                                          |
| 65 | Ball Cutting burr for Skull Base Drill Angled Attachment Diameter 1-2mm-05 Nos                                                                                                                                                                                                                                          |
| 66 | Ball Cutting burr for Skull Base Drill Angled Attachment Diameter 2-3mm-05 Nos                                                                                                                                                                                                                                          |
| 67 | Ball Cutting burr for Skull Base Drill Angled Attachment Diameter 3-4mm-05 Nos                                                                                                                                                                                                                                          |
| 68 | Ball Cutting burr for Skull Base Drill Angled Attachment Diameter 4-5mm-05 Nos                                                                                                                                                                                                                                          |
| 69 | Ball Cutting burr for Skull Base Drill Angled Attachment Diameter 5-6mm-05 Nos                                                                                                                                                                                                                                          |
| 70 | Blade Reciprocating Length 25-30mm Breadth 0.3-0.4mm-20 Nos                                                                                                                                                                                                                                                             |
| 71 | Blade Reciprocating Length 25-30mm Breadth 0.2-0.3mm-20 Nos                                                                                                                                                                                                                                                             |
| 72 | Irrigation Tube-10 No                                                                                                                                                                                                                                                                                                   |
| 73 | Lubricant Oil- 05 No                                                                                                                                                                                                                                                                                                    |
| 74 | Cleaning Oil- 05 No                                                                                                                                                                                                                                                                                                     |
| N  | CAMC and warranty includes everything except consumables mention at "M"                                                                                                                                                                                                                                                 |
| O  | Company should quote the price of all Consumables like all types of Burrs (Diamond & Cutting), Blades, Irrigation Tube, Lubricant Oil, Cleaning Spray and Accessory Like Handpieces, Micromotor with or without cable and price of all (Consumables & Accessory) should be freeze till the life cycle of the equipment. |
| P  | Physical Demo is must at our premises.                                                                                                                                                                                                                                                                                  |
| Q  | The Principle/Supplier should maintain and support the system for upcoming 10 years (warrenty + CAMC) if the existing system or any other part are obsolete or unrepairable then principle/supplier upgrade/Replace it without any additional cost.                                                                     |
| R  | All equipment's should be from the same manufacturer                                                                                                                                                                                                                                                                    |
| S  | System should be fully functional with all necessary software and hardware.                                                                                                                                                                                                                                             |
| T  | If the Maintenance contractor may have to take the goods or some components of the goods to his factory for repair on such occasion before handing the overs or component the contractor gives loaner to the department.                                                                                                |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U | After sales services centre should be available at the city of institution on 24 (hrs) X7 (days) X 365 (Days) basis. Complaints should be attended properly, maximum within 8 hrs. The service should be provided directly by bidder/Indian Agent. Undertaking by the Principals in the "Manufacturer Authorization Form" that the spares for the equipment shall be available for at least 10 years from the date of supply of equipment. |
| V | On site training to Doctors/Technicians/staff is to be provided by Principal/Indian Agents for operation and maintenance of the equipment to the satisfaction of the department.                                                                                                                                                                                                                                                           |
| W | During the warranty period and CAMC period, desired Uptime of 95% of 365/366(Leap Year) days (24 Hrs), if downtime more than 5%, the warranty period/CAMC period will be extended by twice the time period. In addition a penalty equal off 0.25% of the total cost of equipment per day will be liveable for the excess downtime period. Complaints should be attended properly maximum within 8hrs.                                      |
| X | All software upgradation should be provided free of cost during Comprehensive Warranty Period.                                                                                                                                                                                                                                                                                                                                             |

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ANSARI NAGAR, NEW DELHI-110 029, INDIA**

## **TENDERENQUIRY DOCUMENT**

**(Two Bid System for Machinery & Equipments)**



**Advertised Tender Enquiry No.: XX-199/SO(DO)/Pead. Surg./2025-26/M&E**

**Brief Description of Goods** : Purchase of Radiofrequency cutting, Coagulation & Vessel Sealing System Standalone for open/ Laparoscopic System  
- 01 No.

## SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES**  
**ANSARI NAGAR, NEW DELHI-110 029**  
**TENDERS ENQUIRY DOCUMENTS (TED)**

**Advertised Tender Enquiry No : XX-199/SO(DO)/Pead. Surg./2025-26/M&E**

**On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:**

| S. No. | Brief Description of Goods                                                                                       | Quantity | Amount of Bid Security/EMD |
|--------|------------------------------------------------------------------------------------------------------------------|----------|----------------------------|
| 1.     | Purchase of Radiofrequency cutting, Coagulation & Vessel Sealing System Standalone for open/ Laparoscopic System | 01 No.   | INR Rs. 1,40,000/-         |

### **CRITICAL DATE SHEET**

|                                       |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Published Date & Time                 | 16-01-2026 at 04.00 pm                                                               |
| Bid Document Download/Sale Start Date | 16-01-2026 at 04.00 pm                                                               |
| Seek Clarification Start Date         | 16-01-2026 at 04.00 pm                                                               |
| Seek Clarification End Date           | 23-01-2026 at 04.00 pm                                                               |
| Pre Bid Meeting                       | 07-02-2026 at 10.00 am                                                               |
| Pre Bid Meeting Place & Address       | Dept. of Pediatric Surgery, Seminar Room, 761, 7th floor, Mother child block, AIIMS. |
| Bid Submission Start Date & Time      | 17-02-2026 at 04.00 pm                                                               |
| Bid Submission End Date & Time        | 02-03-2026 (Monday) at 03.00 pm                                                      |
| Bid Opening Date & Time               | 03-03-2026 (Tuesday) at 03.00 pm                                                     |

**Section – VII**  
**TECHNICAL SPECIFICATION AND GENERAL POINTS**

DEPARTMENT OF PEDIATRIC SURGERY  
AIIMS, NEW DELHI

**Radiofrequency cutting , coagulation , vessel sealing system, standalone or integrated with Bipolar Devices, with Hand Instruments for Open/ Laparoscopic Surgery – 01 No.**

**SPECIFICATION**

- 1- The system should have an advanced **bipolar radiofrequency (RF) energy platform** for vessel sealing and tissue division.
- 2- The system should have **adaptive tissue technology** that adjusts energy delivery in real-time based on tissue impedance.
- 3- The system should have the capability to **permanently seal blood vessels up to 7 mm in diameter** and large tissue bundles.
- 4- The system should have **continuous tissue feedback sensing** for real-time optimization of energy delivery to ensure consistent seal quality.
- 5- The system should have an **RF output voltage range of 15–300 volts**, automatically regulated during each activation.
- 6- The system should have **power consumption ranging from 29 VA to 375 VA**, depending on tissue type and seal conditions.
- 7- The system should have **typical sealing times under 1 second**, enhancing efficiency and reducing OR time.
- 8- The system should have **integrated cutting capability** using RF energy to perform sealing and division in a single activation.
- 9- The system should have **automatic instrument recognition** via a built-in device key, enabling plug-and-play functionality.
- 10- The system should have **LED status indicators** and a **digital display**, showing system readiness, activation status, and system alerts.
- 11- The system should have **power input compatibility**, operating at 200–240V AC, 50/60Hz.
- 12- The system should have **compact dimensions** of approximately 1.5 feet by 1.5 feet and height less than 10 inches, ideal for OR integration.
- 13- The system should have a total weight of approximately **<7KG** ensuring easy portability.

14- The system should have compliance with IEC 60601-1 and IEC 60601-1-2 standards, ensuring electrical and EMC safety.

15- The system should have compatibility with **full line of vessel sealing instruments**, including options for open and laparoscopic procedures.

16- The system should have a **minimum 2-year warranty with CAMC for 8 years**

17- The system should have necessary accessories supplied, including **power cord etc**

18- Accessories :-Each Unit of vessel sealing system shall be supplied with standard accessories by OEM (if any) and open and laparoscopic probes with specification as under

#### **CONSUMABLES:**

##### **Maryland Jaw, Single-Action and Dual-Action Handpiece**

- Handpieces should include Single-Action and Dual-Action Maryland jaws with 360° continuous shaft rotation and a curved, tapered jaw design with dissecting tips to facilitate optimal control during tissue dissection, improved visualization of jaw tips, and accurate tracking of anatomical curvature.
- These probes should be available in shaft lengths of 23–24 cm, 35–38 cm, and 44 cm or more.
- Compatible with trocars of 5 mm or larger
- Should be capable of sealing vessels up to and including 7 mm.
- The seal length should be 20 mm or more, with a cut length of 18 mm or more
- The device should deliver an average seal time not exceeding 2 seconds and maintain an average burst pressure above 360 mmHg, supported by documented performance validation.

##### **Straight Jaw, Single-Action Handpiece with Blunt Tips**

- A single-action handpiece with straight jaws and blunt tips.
- The shaft should support 360 ° rotation for improved jaw positioning.
- The handpiece should be available in shaft lengths of 35–38 cm and 44 cm or more
- They should be compatible with trocars of 5 mm or larger.
- It should allow for vessel sealing up to and including 7 mm, with a seal length of 20 mm or more and cut length of 18 mm or more.

##### **Fine Tissue, Dual-Action Handpiece with Curved Dissecting Tips**

- A dual-action handpiece with curved jaws and dissecting tips, intended for precision dissection and enhanced control in fine tissue environments.
- The handpiece should enable vessel sealing up to and including 7 mm, with a seal length of 17 mm or more and cut length of 15 mm or more.

##### **Open Surgery, Dual-Action Handpiece with Curved Blunt Tips**

- A dual-action handpiece featuring curved jaws with blunt tips, tailored for open surgical applications.
- The device should incorporate 180° shaft rotation.
- It should provide vessel sealing up to and including 7 mm, with a seal length of 40 mm or more and a cut length of 38 mm or more, offering extended reach and effective performance in a large field.

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ANSARI NAGAR, NEW DELHI-110 029, INDIA**

## **TENDERENQUIRY DOCUMENT**

**(Two Bid System for Machinery & Equipments)**



**Advertised Tender Enquiry No.: XX-200/SO(DO)/Pead. Surg./2025-26/M&E**

**Brief Description of Goods**

: Purchase of Ultrasonic cutting,  
Coagulation & Vessel Sealing System  
Standalone with hand instrument for  
open Laparoscopic Surgery - 02 Nos.

## SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES**  
**ANSARI NAGAR, NEW DELHI-110 029**  
**TENDERS ENQUIRY DOCUMENTS (TED)**

**Advertised Tender Enquiry No : XX-200/SO(DO)/Pead. Surg./2025-26/M&E**

**On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:**

| S. No. | Brief Description of Goods                                                                                                        | Quantity | Amount of Bid Security/EMD |
|--------|-----------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------|
| 1.     | Purchase of Ultrasonic cutting, Coagulation & Vessel Sealing System Standalone with hand instrument for open Laparoscopic Surgery | 02 Nos.  | INR Rs. 2,00,000/-         |

### CRITICAL DATE SHEET

|                                       |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------|
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**Section – VII**  
**TECHNICAL SPECIFICATION AND GENERAL POINTS**

DEPARTMENT OF PEDIATRIC SURGERY  
AIIMS, NEW DELHI

Ultrasonic cutting, coagulation vessel sealing system standalone with Hand Instruments for Open Laparoscopic Surgery – 02 Nos.

**SPECIFICATION**

1. Should have provision of both Ultrasonic Energy and Radio Frequency energy modes in a Single Generator Unit.
2. Should be supplied as complete system with Generators, Switch pedals, Control System, Cables and Generator cart.
3. Should have facility for hand Switch and Foot Switch type of activation, both individually and together
4. Should have ability to change the power settings.
5. Number of power setting should be 3 or more.
6. Should have LCD type of Display.
7. Should have Touch Screen type of Control unit.
8. Should have onscreen warning system for any errors.
9. Should have vessel sealing capacity upto 7mm for Ultrasonic probe.
10. Should have vessel sealing capacity upto 7mm for RF probe.
11. Should have interface for firmware upgrade.
12. Should have system diagnostics for errors and recovery.
13. Any adapters necessary for use of Ultrasonic or RF or combined energy usage in any form should be provided.
14. Should be able to use ultrasonic Hook.
15. Any software/hardware necessary to make the unit functional to its full capacity should be provided free of cost
16. Should be compatible with both open and Laparoscopic consumables/accessories. 17. Instrument recognition should be automatic
17. Laparoscopic consumables should be 5mm or less in diameter, 360 degree rotation of shaft and Total Articulation should be 110-150 degree
18. The system Should be Robotic compatible.
19. The Probe Temperature should be less than 180 Degrees and appropriate documentations should be provided for same



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,  
STORE SECTION (DO), 1<sup>ST</sup> FLOOR, ANIMAL HOUSE,  
ANSARI NAGAR, NEW DELHI-110 029, INDIA**

## **TENDER ENQUIRY DOCUMENT**

**(Two Bid System for Machinery & Equipments)**



**Advertised Tender Enquiry No.: XX-201/SO (DO)/Gastro/25-26/M&E**

**Brief Description of Goods**

**: Purchase of High Definition Upper Flexible Endoscopic System & High Definition Lower Flexible Endoscopic System and Reusable Flexible Duodenoscope with Disposable Cap – 01 Set on buy-back basis.**

## SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES**  
**ANSARI NAGAR, NEW DELHI-110 029**  
**TENDERS ENQUIRY DOCUMENTS (TED)**

**Advertised Tender Enquiry No : XX-201/SO(DO)/Gastro/25-26/M&E**

**On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:**

| S. No. | Brief Description of Goods                                                                                                                                                                               | Quantity | Amount of Bid Security/EMD |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------|
| 1.     | Purchase of<br>High Definition Upper Flexible<br>Endoscopic System & High Definition<br>Lower Flexible Endoscopic System and<br>Reusable Flexible Dueodenoscope with<br>Disposable Cap on buy-back basis | 01 Set   | INR Rs.10,40,000/-         |

### **CRITICAL DATE SHEET**

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Published Date & Time                 | 16-01-2026 at 04.00 pm                                            |
| Bid Document Download/Sale Start Date | 16-01-2026 at 04.00 pm                                            |
| Seek Clarification Start Date         | 16-01-2026 at 04.00 pm                                            |
| Seek Clarification End Date           | 20-01-2026 at 04.00 pm                                            |
| Pre Bid Meeting                       | 20-01-2026 (Tuesday) at 03:30 pm                                  |
| Pre Bid Meeting Place & Address       | Room No. 3104, 3rd Floor, Teaching Block, AIIMS, New Delhi-110029 |
| Bid Submission Start Date & Time      | 30-01-2026 at 04.00 pm                                            |
| Bid Submission End Date & Time        | 16-02-2026 (Monday) at 03.00 pm                                   |
| Bid Opening Date & Time               | 17-02-2026 (Tuesday) at 03.00 pm                                  |

**Section – VII**  
**TECHNICAL SPECIFICATION AND GENERAL POINTS**

**Technical Specifications for High-Definition Upper GI Flexible endoscope, Lower GI Flexible Endoscope and Duodenoscope System**

**I. Upper GI flexible endoscopes (No-12)**

- Built-in HDTV compatible CMOS with full focus to prevent blurring of edges of field under observation and high magnification without reduction of field of view
- Should have real time optical/digital chromoendoscopy system for observation of capillaries and mucosal surface to identify suspicious areas.
- Should have brightness adjustment imaging with maintenance of contrast/extended dynamic range technology for improvement of brightness in darker portions for better endoscopic visibility to reduce miss rate during endoscopic examination
- Should have technology which gives images in both near and far view with better clarity such as extended depth of field technology etc.
- Should have advance technology to optimize real time visualization of bleeding points and underlying deep vessels to facilitate therapeutic interventions.
- Should have special modes for optimizing texture, brightness, and colour of endoscopic image to effectively detect early malignancies & subtle changes of endoscopic image
- Should be compatible with all the advanced imaging features as described in video-processor and light section
- Should have built in HDTV/4KTV compatible technology
- Should be equipped with auxiliary water jet function for flushing (mucosal cleaning).
- It should have dual focus with near mode or multi step zoom facility for detailed mucosal visualization at higher magnification and without reduction in field of vision.
- It should be fully immersible in disinfectant solution & one touch connectivity
- In-built scope identification memory chip for monitor display of scope's model no., serial no., white balancing memory, no. of connections/cumulative uses, etc.
- Scope should be compatible with the Artificial Intelligence system.
- Endoscope configuration:
  - Field of view: 140°
  - Direction of view: Forward
  - Depth of field: Normal: 3-100 mm, Near: 1.5-5.5 mm
  - Bending capability: Up 210° /Down 90°, Right 100°/Left 100°
  - Distal end diameter: 9.9 mm or less
  - Insertion tube diameter: 9.8 mm or less
  - Working channel diameter: 2.8 mm or more

- Working length: 1100 mm or less
- Total length: At 1200-1400 mm
- The following scopes should be provided as below:
  - Therapeutic scope (with a channel diameter of  $\geq 3.2$  mm): no-1
  - Double channel scope (channel diameter: 2.8, 3.7 mm): no-1
  - Ultrathin scope (OD 5.5 mm or less and channel size of  $\geq 2.2$  mm): no-2
  - Dual focus or multistep zoom scope: no-2
  - Normal scope: no-06
- The other specifications should be similar to upper GI flexible endoscopes as mentioned above.

## II. Lower GI Endoscope (Colonovideoscope) (No-6)

- Built-in HDTV compatible CMOS with full focus to prevent blurring of edges of field under observation and high magnification without reduction of field of view
- Should have real time optical/digital chromoendoscopy system for observation of capillaries and mucosal surface to identify suspicious areas.
- Should have brightness adjustment imaging with maintenance of contrast/extended dynamic range technology for improvement of brightness in darker portions for better endoscopic visibility to reduce miss rate during endoscopic examination
- Should have technology which gives images in both near and far view with better clarity such as extended depth of field technology etc.
- Should have advance technology to optimize real time visualization of bleeding points and underlying deep vessels to facilitate therapeutic interventions.
- Should have special modes for optimizing texture, brightness, and colour of endoscopic image to effectively detect early malignancies & subtle changes of endoscopic image
- Should be compatible with all the advanced imaging features as described in video-processor and light section
- Should have built in HDTV/4KTV compatible technology
- Should be equipped with auxiliary water jet function for flushing (mucosal cleaning).
- All scopes should have dual focus with near mode or multi step zoom facility for detailed mucosal visualization at higher magnification and without reduction in field of vision.
- It should be fully immersible in disinfectant solution & one touch connectivity
- In-built scope identification memory chip for monitor display of scope's model no., serial no., white balancing memory, no. of connections/cumulative uses, etc.
- Scope should be compatible with the Artificial Intelligence system.
- Should have adjustable or variable stiffness which can be adjusted according to endoscopist preference
- Should have extended bending section for passive bending function
- Should have advanced or high force transmission function for better torque

- Should be compatible with scope guide system or equivalent for 3D visualization of scope position and configuration during colonoscopy (No-2).
- One of the colonovideoscope should be paediatric colonovideoscope of similar make (No-1).
  - Colonoscope configuration:
    - Field of view : 140 Degree or more
    - Direction of view : forward viewing
    - Depth of field : Normal: 3-100 mm, near: 1.5-5.5 mm
    - Distal end outer diameter : 13.2mm or less
    - Insertion tube outer diameter : 12.8 mm or less
    - Tip Bending range : Up & down 180°, Left & Right 160°
    - Working length : 1600 mm or more
    - Total length : 1800 mm or more
    - Channel inner diameter : 3.7 mm or more

### **III. Combined Light source and Video processor (Number=4)**

- Video processor should have in-built light source with 4 or more multi light LED Spectrum Technology
- It should have a single port for easy attachment of the endoscopes.
- Should have real time optical enhancement technology like - NBI/BLI & LCI/i-SCAN (OE) or equivalent.
- Should have advance technology to optimize real time visualization of the actively bleeding points and deep blood vessels for facilitating advanced therapeutic interventions
- Should have technology for optimizing texture, brightness and colour enhancement of endoscopic image to effectively detect early malignancies or mucosal pathologies
- Should have brightness adjustment imaging with maintenance of contrast/extended dynamic range technology for improvement of brightness in darker portions for better endoscopic visibility to reduce miss rate during endoscopic examination
- Video processor should have digital 12GHD-SDI output for 4K, 3G-SDI and HD-SDI output for HD image and should contain electronics for clear visibility of near and far objects
- The processor should have compatibility with optical zoom scopes, enteroscopes, dual focus scopes & dual channel endoscopes and all other latest generation and advance endoscopes available with the company.
- Provision of automatic IRIS control and white balance free function/Automatic White balance function.
- Provision of picture in picture display for both SD & HD input options and index function ability
- Equipped with automatic light adjustment facility.
- Equipped with touch screen interface for accessing the processor settings
- Should have stand-by/emergency lamp option and provision for lamp switch over from main lamp to stand by lamp in case of main lamp failure

- Equipped with high resolution HDTV imaging capacity
- Provision of portable memory and USB slot for still image recording
- The processor should be compatible with all the quoted scopes in the tender

**IV. Medical Grade Monitor (n=4)**

- 32-inch Medical Grade LCD monitor with narrow bezel and should have 4K HD resolution
- High contrast and wide viewing angle
- Video Monitor: Should be compatible HD/4K for display of endoscopic images with higher magnification and resolution for better visualisation of endoscopic images
- Multi-modality display capability including picture-in-picture (PIP) and picture-out-picture (POP)
- Should have CLONE OUT function to duplicate the 4K/HD video signals as displayed on the screen, including PIP/POP to a second monitor, or recording device
- Variety of video signal inputs such as 12G-SDI, HDMI, & 3G-SDI should be available

**V. Standard accessories:**

- Water flushing pumps, n=06
- CO2 insufflators, n=06
- Water bottle 2 extra for each endoscope
- Biopsy channel rubber valves (100 Nos.) extra for each endoscope
- A/W valves – 02 Nos. extra for each endoscope
- Suction valves – 02 Nos. extra for each endoscope
- 500 disposable biopsy forceps for upper endoscopes and 500 biopsy forceps for lower endoscopes
- Leak testing device: Should be compatible with existing endoscopes for proper leak-testing

**VI. Should supply artificial intelligence hardware and software (n=2) for computer aided detection and diagnosis. There should be a facility to upgrade and update whenever required.**

**VII. Technical Specifications for Flexible Duodenoscope (side-viewing) with reusable Disposable Cap (No =4)**

- Built-in HDTV compatible CMOS with Full focus to prevent blurring of edges of field under observation and high magnification without reduction of field of view
- Should have real time optical/digital chromoendoscopy system for observation of capillaries and other structure on the mucosal surface to identify suspicious areas.
- Should be compatible with all the advanced imaging features as described in video-processor and light section
- Should have a dual locking mechanism, with centre lock and side lock

- Should have a removable/disposable distal cap at the tip of the duodenoscope for proper disinfection
- Elevator should allow for smooth, precise positioning of instruments and accessories.
- Should have option to flush the distal end
  - Should have auxiliary water jet for mucosal cleansing
  - It should be fully immersible in disinfectant solution & one touch connectivity
  - In-built scope identification memory chip for monitor display of scope's model no., serial no., white balancing memory, no. of connections/cumulative uses, etc.
  - Configuration:
    - Field of view: 100° or more
    - Direction of view: Backward side viewing 10-15° or more
    - Distal end outer diameter: Up to 13.6 mm
    - Insertion tube outer diameter: Up to 11.6 mm
    - Working length: 1240 mm or more
    - Channel inner diameter: 4.2 mm or more
    - Angulation range: Up: 120°, Down: 90°, Right: 105-110°, Left: 90°
    - Total length: 1500 mm or more

#### **VIII. Standard accessories for duodenoscopes:**

- Biopsy channel rubber valves (100 Nos.) extra for each endoscope
- A/W valves – 02 Nos. extra for each endoscope
- Suction Valves – 02 Nos. extra for each endoscope
- Disposable caps for duodenoscope (n=100)

#### **IX. General specifications:**

- All endoscopes should be compatible with video processor quoted in the tender
- The company should quote their latest high end model
- In the event of malfunction, the down time should be minimum and the company should provide a loaner endoscope within 72 hours otherwise a penalty of Rs. 5000 per day will be levied.
- The system must have a standard comprehensive warranty of 2 years with spares and should quote CMC for next 8 years.
- A certificate should be given by the supplier that the instrument has not been supplied at a rate lower than the rate quoted in the tender of AIIMS. If it is found to be so then the difference will be recovered from the supplier along with penal interest.
- System should be European CE with 04 digit notified number/ FDA Approved or BIS compliant.
- It should be certified that if the instrument becomes non-functional, it will be repaired within the shortest possible time period otherwise a penal charge will be levied on the company.
- It should be installed on already placed endoscopic pendants in the department and all peripherals should be in the scope of vendors to make it fully functional.

- Old endoscopic system including endoscopes, video processors and light source etc. which are non-functional in the department should be taken under buy-back policy. Please quote for buy-back system. It can be inspected in the department.

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