

ALL INDIA INSTITUTE OF MEDICAL SCIENCES,

Store Section (DO), 1st Floor, Animal House Building, AIIMS, New Delhi – 110029

ANSARI NAGAR, NEW DELHI-110 029, INDIA.

TENDER ENQUIRY DOCUMENT

(Two Bid System for conclusion of Rate Contract)



ATE No: XX-81/SO(DO)/Blood Bank/2026-27/St.

**Rate Contract items : Genotyping reagents/kits for
Immunochemistry Laboratory
on One year Rate Contract basis..**

Period of Rate Contract : One Year.

SECTION-I



ALL INDIA INSTITUTE OF MEDICAL SCIENCES

ANSARI NAGAR, NEW DELHI-110 029

NOTICE INVITING TENDERS (NIT)

Advertised Tender Enquiry No : **XX-81/SO(DO)/Blood Bank/2026-27/St.** 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 eligible and qualified firms/manufacturer for supply of following Goods for conclusion of Rate Contract for a period of One Year:-

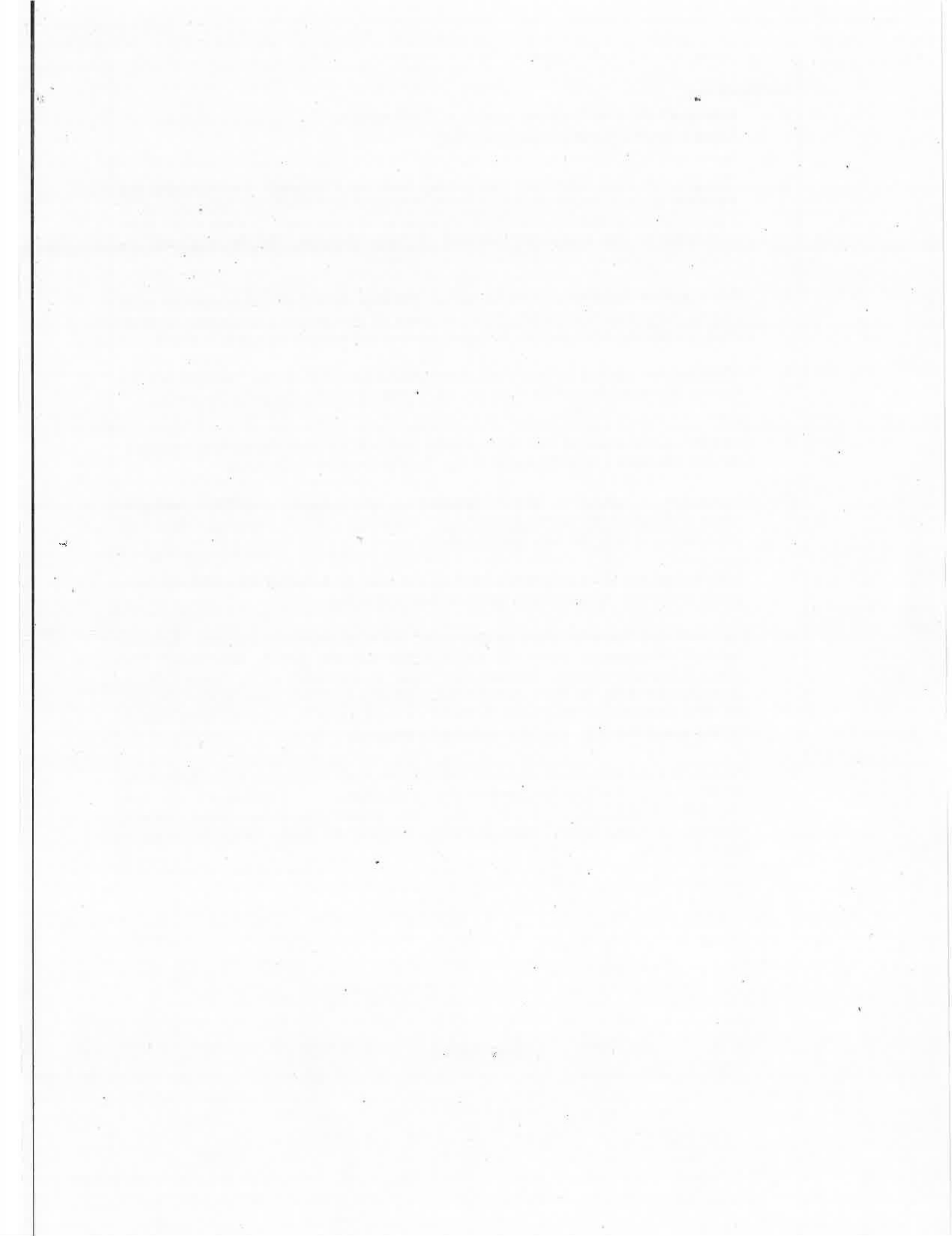
S. No.	Brief Description of Goods	Estimated Quantity Per Year	Amount of Bid Security/EMD
1.	Genotyping reagents/kits for Immunohematology Laboratory on One year Rate Contract basis.	As Indicated In Section VII	Rs. 47,600/-

CRITICAL DATE SHEET

Published Date & Time	26-09-2026 at 04.00 pm
Bid Document Download/Sale Start Date	26-09-2026 at 04.00 pm
Seek Clarification Start Date	26-09-2026 at 04.00 pm
Seek Clarification End Date	02-10-2026 at 04.00 pm
Pre Bid Meeting	NA
Pre Bid Meeting Place & Address	NA
Bid Submission Start Date & Time	08-10-2026 at 04.00 pm
Bid Submission End Date & Time	27-10-2026 (Tuesday) at 03.00 pm
Bid Opening Date & Time	28-10-2026 (Wednesday) at 03.00 pm

Instructions:

1. Bids shall be submitted online only at CPPP website:
<https://eprocure.gov.in/eprocure/app>.
2. The Bidder shall download the Tender Enquiry Document directly from the websites <https://eprocure.gov.in/eprocure/app> and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.
3. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.
4. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Para No. 11 of GIB of Tender Enquiry Document.
5. Bidders are advised to visit this website regularly to keep themselves updated, for any changes / modifications in the Tender Enquiry Document.
6. Intending bidder are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> regularly till closing date of submission of bid, for any corrigendum.
7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.
8. The EMD/Bid Security shall be deposited through Bank Guarantee/ Demand Draft/FDR drawn in favour of AIIMS MAIN GRANT, AIIMS, New Delhi. The original Earnest Money/ Bid Security must be delivered to *Sr. Stores Officer, Store Section (DO), 1st Floor, Animal House Building, AIIMS, New Delhi - 110 029* till "Bid Submission End Date & Time" as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.
9. The bidders are advised to mention Item No. on each document while uploading CDSCO Certificate/License, Quality Certificate i.e. ISO/BIS/CE/ISI/USFDA/IP/BP/USP, Test Report for Drug Items, Import License for Drug Items, Manufacturing License for Drug Items of Original Manufacturer.



Section – VII
TECHNICAL SPECIFICATION

Specifications Genotyping kits for immunohematology

1. Scope of application: Genotyping kits should be able to cover the following RBC group system and human platelet antigen system

Blood groups system	Alleles
1. RBC BLOOD GROUP SYSTEM	
a) ABO	A, B, O alleles and their variants
b) RH	RHD (including weak & partial D variants) RHCE typing (including C, E, c, e, Cw) Fetal RhD (Non-invasive cell free fetal DNA testing for RHD gene) Zygosity testing for RHD gene
c) Kell	KEL1, KEL2,
d) Duffy	FYA, FYB, FYX
e) Kidd	JKA, JKB
f) MNS	M, N, S, s, U
g) Rare Blood groups	Kp, Js, Di, Wr, Lu, Do, Co, Yt, Vel, Kn
2. HUMAN PLATELET ANTIGEN SYSTEM (HPA)	
a) HPA	HPA 1, 2, 3, 4, 5, 6, 9, 15 (a/b)

2. Principle: The genotyping kits should be based on RT-PCR method. Kits should include ready to use PCR tubes.

3. Application:

- a) Testing for each RBC blood group system can be performed *separately or combined*. The genotyping kit should be compatible/validated for the existing equipment in the department, or the vendor should validate the kit and finalize the testing protocol before commencing supplies.
- b) For human platelet antigen (HPA) genotyping a single or a combined assay should be available. All the reagents and the consumables pertaining to the validation will be the responsibility of the vendor.
- c) For training and validation 10 tests each for ABO, RH blood group genotyping and HPA should be supplied.

4. Result interpretation: Any additional software or middleware required for interpretation of the data should be supplied and installed free of cost.

5. Consumable and accessories: Kits/ and consumables (if any additional requirement) should be supplied with the genotyping kit.

This should include

- Positive controls
- Negative controls
- Calibrators

- Distilled water (without fluorescence)
- Sample reference DNA (Ratio A260/280: $1.8 \pm 10\%$)
- DNA extraction kits
- Any other reagent/consumable required for testing and not mentioned above.

DNA extraction kits for blood samples, with minimum sample volume of $\leq 200 \mu\text{l}$. DNA extraction kits be validated and compatible with the genotyping kits for RBC blood group system and human platelet antigen system

6. Annual requirement: the annual requirement for the genotyping kits is outlined below.

S No	Consumables (genotyping kits)	No of test /year	Cost/Test	No tests/pack	Total no of reagent packs to be used for cumulative no of test	Remarks
1	ABO blood group system • A, B, O alleles • A, B, O variants	50 30				
2	RH blood group system • RHD (including weak & partial D variants) • Fetal RhD (Non-invasive cell free fetal DNA testing for RHD gene) • Zygosity testing for RHD gene • RHCE typing (including C, E, c, e, Cw)	30 20 20 10				
3	Kell blood group system (allele KEL1, KEL2)	20				
4	Duffy blood group system (allele FYA, FYB)	20				
5	Kidd blood group system (allele JKA, JKB)	20				
6	MNS blood group system (allele M, N, S, s, U)	20				
7	Rare Blood groups (including Kp, Js, Di, Wr, Lu, Do, Co, Yt, Vel, Kn)	20				
8	Human platelet antigen system (allele for HPA 1, 2, 3, 4, 5, 6, 9, 15 (a/b))	50				
For consumables required for running the tests such as controls (both positive and negative controls), calibrators if any, DNA Extraction kit, Sample reference DNA (Ratio A260/280: $1.8 \pm 10\%$), Distilled water (without fluorescence). Bidders can add additional row.						

NOTE:

For cost comparison among the bidders, cost per test for individual blood group system will be considered. In case of non-availability of kits for individual blood group system, combined panel/kits can be quoted, however, the cost per valid test for said blood group will be considered (undesirable test will be rendered as wastage)

The evaluation for the cost of the reagents shall be inclusive of the controls (both positive and negative controls), calibrators if any, DNA Extraction kit, Sample reference DNA (Ratio A260/280: $1.8 \pm 10\%$), Distilled water (without fluorescence), etc.

Any other reagent/consumable required for testing and not mentioned above shall be supplied free of cost.

7. Shelf life: Minimum shelf life for the kits should be at least 1 year from the date of supply.

The kit components should be stored at temperatures less than or equal to -30°C . The shelf-life of the individual components and the entire system should state on the respective label of kit.

8. Quality control: The reagents (and equipment if any) must hold quality certifications such as US-FDA, CE (Europe), or BIS. Quality certificate should come with every kit and must include the specificity table.

9. Information brochure: Instructions for use should come in kit.

Note: The quantity shown in the schedules can be increased or decreased to any extent depending upon the actual requirement.

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

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



शरीरमात्रं रक्तं धर्मसाधनम्

Advertised Tender Enquiry No.: XX-74/SO(DO)/Uro./26-27/M&E

**Brief Description of Goods : Purchase of 4K High definition
Laparoscopic Surgery Unit – 01 No.**

SECTION-I



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

Advertised Tender Enquiry No : **XX-74/SO(DO)/Uro./2026-27/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 4K High definition Laparoscopic Surgery Unit	01 No.	INR Rs. 5,00,000/-

CRITICAL DATE SHEET

Published Date & Time	29-09-2026 at 04.00 pm
Bid Document Download/Sale Start Date	29-09-2026 at 04.00 pm
Seek Clarification Start Date	29-09-2026 at 04.00 pm
Seek Clarification End Date	06-10-2026 at 04.00 pm
Pre Bid Meeting	16-10-2026 (Friday) at 03.00 pm
Pre Bid Meeting Place & Address	Department of Urology, Room no. 5030, 5 th floor, Teaching Block, AIIMS New Delhi.
Bid Submission Start Date & Time	26-10-2026 at 04.00 pm
Bid Submission End Date & Time	09-11-2026 (Monday) at 03.00 pm
Bid Opening Date & Time	10-11-2026 (Tuesday) at 03.00 pm

Instructions:

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7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.

8. The EMD/Bid Security shall be deposited through Bank Guarantee/Demand Draft/FDR drawn in favour of the **AIIMS Main Grant**. The original Earnest Money/Bid Security must be delivered to **Sr. Stores Officer, Store Section (DO), 1st floor, Animal House Building (Near Bio-technology Building) AIIMS, New Delhi-110029** till bid opening date and time as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.

Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Technical Specifications for 4K High-definition Laparoscopic Surgery unit complete set
(REVISED)
[1 unit]

A .4K LAPAROSCOPICSURGERY SET

1. Video-endoscopy system

1. The system should be Digital endoscopic video camera and processor unit
2. UHD Resolution of 3840 X 2160 pixels
3. Both white and infra-red light visualization compatibility. Should have multiple modes of IR visualization with PIP facility for cross visualization
4. Should be upgradable to 3D-4K visualization
5. Should have multiple output ports to allow 4K, 3D & HD outputs including 12G-SDI, 3G-SDI, HD-SDI to offer broad connectivity with multiple sources
6. System should be compatible with existing flexible chip-on-tip video-cysto/ nephro/ ureteroscopes without any additional attachments/modules for better cross compatibility and usage of the system for other endourological procedures
7. Integrated gain/shutter/enhancement with automatic brightness control
8. Automatic identification and brightening of dark image areas without lag time, without increasing foreground glare
9. Should have feature for automatic adjustment of light intensity.
10. 4K camera head should be autoclavable and provided with a compatible tray for safe storage and autoclaving
11. Camera Head & coupler should be integrated as one piece with Focal Length $f=18$ mm or more and should not weigh more than 250gms
12. Should have 3 or more buttons on camera head with at least 2 of them freely programmable
13. Should have single-touch Autofocus and continuous Auto Focus Function for uninterrupted Focus Free Observation of Target area
14. Power Supply: - 200-240 VAC 50/60 Hz

2. 4K IR Compatible Telescopes – 10 mm

1. Telescope – 30° - 2 no
2. Telescope – 0° - 2 no
3. Should have Wide angled field of vision.
4. Should have at least 3 types of adaptors for fiber optic cable.
5. Should have working length of approx. 300mm
6. Should be Autoclavable & should be provided with autoclavable trays

3. 4K Compatible Telescopes – 5 mm

1. Telescope – 0° - 1 no
2. Telescope – 30° - 1 no
3. Should have Wide angled field of vision.
4. Should have at least 3 types of adaptors for fiber optic cable.
5. Should have working length of approx. 300 mm
6. Should be Autoclavable & should be provided with autoclavable trays

4. Fiber Optic Cable: 2 no

1. Length should be 300mm or more
2. Should have diameter of 4mm or more
3. Should have High resistance protection against mechanical and thermal stress
4. Should have documented technology for reducing patient burn

5. LED Light Source

1. Should be Multi-LEDlight source equivalent to 300W xenon
2. LED lamp should be covered under warranty and CAMC
3. Color temperature should be 5500K or more
4. Should be IR Visualization (ICG) compatible for Near Infrared Fluorescence Imaging and white light Image with super-imposed / overlay display offluorescence
5. Universal socket to accept Fiber Optic Cable of any make or adaptors to this effect
6. Power supply should be 85-260 VAC, 50-60 Hz
7. Should be under BF Class 1

6. Medical Grade Monitor

1. 31 inch or larger 3D-4K monitor, mountable on cart over an adjustable arm
2. Should be capable to display veryhigh-quality Resolution of 3840 x2160, HD color video images
3. Should have LED backlit with LCD IPS Panel Technology
4. Aspect ratio 16:10 / 16:9
5. Inputs: 1x DP, 1 X DVI- D, 1 x12G-SDI
6. Should have Class-I Medical Device Certification.

7. Video Cart trolley

1. Compatible endoscopic trolley of same OEM and compatible with the abovesystem having sufficient and compatible electrics to connect all equipment
2. 4 or more shelves, lockable rear panel, 4 antistatic castor wheels with locking brakes
3. Should allow electrical connections with concealed internal cabling within the trolley.
4. Mains voltage -230 volts.
5. Main switch and isolating transformer
6. Should be supplied with swivel arm, for adjustment of positionof monitor.

8. Video Management System

1. Capability of receiving signals and recording video from UHDendoscopic cameras in 4K, 3D and HD.
2. Ability to transfer captured still and video images to externalmedia using USB.
3. Internal recording hard drive should be 1 TB and should have compatibility with external Hard Drive up to2 TB or more.
4. External hard drive of 2TB and two USB drives (256 GB or more, 3.2, high speed transmission) should be provided
5. Front panel should have display screen and shoulddisplay recording status
6. Device should be registered as safe for medical grade

9. High Flow Insufflator (45 L/min or more)

1. Should be digital, microprocessor/touch screen control on frontpanel
2. Should have large digital display on front panel for Set Pressure,Actual Pressure, Flow Rate & Volume used
3. Should have small cavity mode for endoscopic vessel harvesting& Pediatric surgery.
4. Should have Powerful Insufflation adjustable uptoflow rate of 45 L/Min or more
5. Provision for delivering pre-warm CO2 forinsufflation
6. Should have alarms for over pressure, Tube Clogging &insufficient supply of gas.
7. Should have maximum Pressure setting up to 30 mmHg andselectable pressure from 0-30 mmHg

10. The bidder must quote 100% of the components

11. All equipment should be USFDA/European CE/BIS certified.

12. Company should have state of art service center available in India.

13. All part of equipment should be of same maker/OEM. If any of the part is not manufactured by the primarymanufacturer (undertaking/certificate for the same should be

- provided), it should be from a reputable make with European CE approved by 4 digits notified body/USFDA approved) with global tie up and at least 4-5 previous Supply order.
14. System should be supplied with 2 years warranty and CAMC for next 3 years after warranty period. CAMC rates for year 6 to 10 should also be quoted in price bid. The minimum life of the equipment must be 10 years from date of installation.
 15. An up-time guarantee of 95% is to be provided. Any repair required must be completed within 96 hours of notification failing which, a replacement product of similar capabilities is to be provided. Failure to provide a replacement product if the machine is out of commission for more than 96 hours, or exceeding total down time of 2% (more than 18 days in a year) will result in penalty at the rate of 0.05% per day of the total cost of invoice.
 16. All accessories essential for making the device fully functional must be included in the quotation. If it is later determined that an essential accessory has not been quoted/provided, the vendor will be responsible for providing it free of cost.
 17. Physical demonstration of the quoted model as per technical specification of tender is essential.

B. Laparoscopic hand instrument set

1. All equipment should be USFDA/European CE/BIS certified.
2. Should be supplied with 2 years warranty & individual prices for all instruments should be quoted and frozen for a period of 5 years at the time of installation.
3. At least 70% instruments (by number) should be of same manufacturer, which should be a global vendor for these instruments with global tie-up with the bidder for these instruments.
4. Specifications for Lap Instruments: "Three Piece take apart instruments insulated with Peek/Carbon Fiber, handle pistol design, rotatable, 5 mm diameter, 330mm -360mm Working Length, Autoclavable with connector pin for unipolar coagulation"
 - 1) Mouret dissecting and grasping forceps, slender, atraumatic, fenestrated, single action jaw, without ratchets, jaw length 26 mm and ergonomic handle: **2 such**
 - 2) Maryland dissector, gently curved, without ratchet, double action jaws, 360 degrees rotational sheath with ergonomic handle: **2 such**
 - 3) Right angle dissector, 5mm, with serrated double action jaws without ratchet and ergonomic handle: **2 such**
 - 4) Reddick-Oslen dissecting and grasping forceps, with serrated, double action robust jaw, without fenestration and without ratchet, jaw length 13-15mm and ergonomic handle: **2 such**
 - 5) Fenestrated BABCOCK dissecting and grasping atraumatic forceps with double action jaws and large area to accommodate bowel and tissue, without ratchet, with ergonomic handle: **1 such**
 - 6) Fundus grasper with 2 cup serrated double action jaws with ratchet and ergonomic handle: **2 such**
 - 7) Dissecting and grasping forceps, with serrated, double action alligator jaw, without fenestration and with ratchet, jaw length 18mm, with ergonomic handle: **1 such**
 - 8) Tungsten Carbide grasper having Tungsten Carbide jaws with heavy pattern, pyramidal tip double action short serrated jaws with ratchet: **1 such**
 - 9) Tungsten carbide grasper having Tungsten Carbide jaws with long heavy pattern pyramidal tip, double action serrated jaws with ratchet: **1 such**
 - 10) Bowel grasping forceps, fenestrated double action atraumatic long 37 mm jaw, without ratchet and ergonomic handle: **1 such**
 - 11) Bowel grasping forceps, fenestrated double action atraumatic short 18 mm jaw, without ratchet and ergonomic handle: **2 such**
 - 12) Claw forceps with 2x3 teeth and serrated single action jaws with ratchet, jaw length 26 mm for grasping or removal of solid organs, and ergonomic handle: **1 such**

- 13) Cobra tooth grasper with 2x4 sharp teeth and serrated double action jaws with ratchet and ergonomic handle : **2 such**
- 14) Martin grasping forceps with Multiple fine serrated teeth, single action jaw and with ratchet, with ergonomic handle : **2 such**
- 15) Atraumatic Croce-olmi grasper with fine serration, fenestrated slightly curved single action jaws for good tissue grip with ratchet and ergonomic handle : **2 such**
- 16) Blakesley bipolar forceps with single action jaw having sharp cups and ratchet: **1 such**
- 17) Paddle Babcock forceps with flat, fine serrated, atraumatic double action jaws, with ratchet: **1 such**
- 18) Metzenbaum scissors with a Diamond dusted 15 mm curved, double action jaws without ratchet, with ergonomic handle : **2 such**
- 19) Metzenbaum Scissors with 18 mm curved, double action jaws without ratchet, with ergonomic handle : **2 such**
- 20) Hook Scissors, single action without ratchet, with ergonomic handle : **1 such**
- 21) Micro scissors with curved, sharp, double action blades without ratchet, with ergonomic handle : **1 such**
- 22) 5mm monopolar electrode hook, with L-hook electrode tip: **2 such**
- 23) 5mm monopolar electrode with spatula electrode tip: **1 such**
- 24) Fan Retractor, dismantling, 5 mm 36cm, articulating: **1 such**
- 25) Modular needle holder, straight with carbide insert, 310 mm length, 5mm Handle – Axial Design rotatable with locking mechanism, one jaw opening: **2 such**
- 26) Modular needle holder curved left with carbide insert, 5mm, 310 mm length Handle- Axial Design rotatable with locking mechanism, one jaw opening: **1 Such**
- 27) Modular needle holder curved right with carbide insert, 5mm, 310 mm length Handle- Axial Design rotatable with locking mechanism, one jaw opening: **1 Such**
- 28) Injection and puncture cannula, 22G, 345 mm length, with 3mm Luer connector: **1 such**
- 29) Suction irrigation cannula with trumpet control or Two-Way Stopcock: 5 mm tubes with multiple holes at tip: **2 such**
5. Veress needle: 2 mm diameter, reusable, autoclavable: **2 each**
 - i. 120 mm length
 - ii. 150 mm length
6. Trocar and cannula system- stainless steel or synthetic sleeve with or without threads. Complete system should be autoclavable: **1 each**
 - i. 5.5 mm cannula with synthetic sleeve, threaded, 75-80 mm and 100 mm
 - ii. 5.5 mm trocar sharp, pyramidal tip, stainless steel
 - iii. 11 mm cannula with synthetic sleeve, threaded, 100 mm and 150 mm length
 - iv. 11 mm trocar sharp, pyramidal tip, stainless steel
 - v. 12/13 mm cannula with synthetic sleeve, threaded, 100 mm and 150 mm length
 - vi. 12/13 mm trocar sharp, pyramidal tip, stainless steel
7. Reducer sleeve with sealing cap: **2 such**
 - i. 10 mm to 5 mm
 - ii. 11 mm to 5 mm
 - iii. 12.5 mm to 5 mm
8. Unipolar and bipolar high frequency cords, should be compatible with all standard electro surgical generators, if not then adaptors should be provided: **2 each**
9. Single jaw action, pistol grip fascial closure instrument, 2.8mm, 17cm length: **5 such**
10. Stainless steel tray for chemical sterilization of standard length laparoscopic instruments/ scopes: **2 such**
11. Instruments rotatable, 10 mm diameter, Autoclavable
 - 1) Fan Retractor, dismantling, 10mm 36cm, articulating: **1 such**

- 2) Right angle dissector with serrated double action jaws without ratchet, 10 mm and ergonomic handle : **1 such**
- 3) Laparoscopic clip applicator, dismantling, 360 degrees rotatable for small titanium clips/LT200 clips: **1 such**
- 4) Laparoscopic clip applicator, dismantling, 360 degrees rotatable for medium titanium clips/LT300 clips: **1 such**
- 5) Laparoscopic clip applicator, dismantling, 360 degrees rotatable for large titanium clips/LT400 clips: **1 such**
- 6) Laparoscopic Hem-o-Lock applicator for green, purple and golden clips: **1 each**
- 7) Fenestrated BABCOCK dissecting and grasping atraumatic forceps, 10mm, with double action jaws and large area to accommodate bowel and tissue, without ratchet, with ergonomic handle : **1 such**
- 8) Applicator for bulldog clamp, 10mm, rotating with lesser lock working length 330mm. Should be supplied with stabilization tube: **1 such**
- 9) Laparoscopic Bulldog Clamps as Follows: **1 each**
 - i. 17mm Straight Jaws
 - ii. 25mm Straight jaws
 - iii. 17mm Curved Jaws
 - iv. 25mm Curved Jaws
 - v. 45mm Curved jaws
 - vi. 60mm Curved Jaws

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

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



Advertised Tender Enquiry No.: XX-75/SO(DO)/Uro./26-27/M&E

**Brief Description of Goods : Purchase of Lower Tract Endourology
System- 01 No.**

SECTION-I



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

Advertised Tender Enquiry No : **XX-75/SO(DO)/Uro./2026-27/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:

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1.	Purchase of Lower Tract Endourology System	01 No.	INR Rs. 1,00,000/-

CRITICAL DATE SHEET

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Bid Document Download/Sale Start Date	29-09-2026 at 05.00 pm
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Seek Clarification End Date	06-10-2026 at 04.00 pm
Pre Bid Meeting	16-10-2026 (Friday) at 04.00 pm
Pre Bid Meeting Place & Address	Department of Urology, Room no. 5030, 5 th floor, Teaching Block, AIIMS New Delhi.
Bid Submission Start Date & Time	26-10-2026 at 04.00 pm
Bid Submission End Date & Time	09-11-2026 (Monday) at 03.00 pm
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Section - VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

All India Institute of Medical Sciences, New Delhi
Department of Urology

Technical Specifications for purchase of Lower Tract Endourology System for Minor OT

I.	Instruments set:	
1	Straight Forward 0-degree Telescope, diameter- 4mm, Autoclavable, Length 30cm, fiber optic light transmission incorporated.	02 Nos.
2	Forward oblique 30-degree Telescope, diameter 4mm, Autoclavable, Length 30cm, fiber optic light transmission incorporated	02 Nos.
3	Cystoscope-Urethroscope Sheath, 17/17.5 Fr, 19/19.5 Fr, 22 Fr and 25 Fr each with obturators and 2 LUER-lock connectors ($\pm 5\%$ in caliber)	01 Each
4	Telescope bridge, with 1 & 2 instrument channel	02 Each
5	Rigid Optical Grasping forceps, double action jaws for stent removal compatible with 19/19.5Fr/ 21 Fr/22.5Fr	05 No.
6	Rigid Biopsy forceps compatible with 19/19.5 Fr/21/22.5Fr sheath	05 No.
7	Compatible Biopsy Forceps with double action jaws, flexible, length 35- 40cm	05 No.
8	Compatible Scissors Single action jaws, flexible, length 35-40cm	02 No.
9	Monopolar Working element – for use with VIU sheath and Cold Knife- Active and passive	1 Each
10	Sachse Urethrotome sheath, 21 Fr with channel ($\pm 5\%$)	02 No.
11	Obturator for urethrotome sheath.	02 No.
12	Supplementary Sheath, side open for introduction of balloon catheter, to slip on urethrotome sheath	01 No.
13	Sachse cold knife, straight	10 Nos.
14	Sachse cold knife, round/hook	02 No. each
15	At least 90% of the instruments should be from same OEM	
16	The participating firm must be dealing with the quoted / similar equipment for the last 3 years	
17	Physical demonstration of the quoted model as per technical specification of tender is essential.	
18	Two years standard warranty will apply	
19	Instruments should be USFDA/BIS/European CE approved.	
20	Any repair required must be completed within 96 hours of notification, failing which, a replacement product of similar capabilities is to be provided.	
II.	High-Definition Camera System	
A.	Full HD Video Processor	
1.	The Video Processor should have a resolution of Full HD (1920x1080), with an aspect ratio of 16:9.	01 Nos
2.	It should have Real Time Optical Image enhancement for visualization of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of suspicious lesions.	

3.	The Video Processor should be ready to accept Flexible Chip on Tip Ureterovideoscope without the need of any additional modules.	
4.	The Video processor should have an automatic shutter and gain control.	
5.	The Video processor should have integrated/separate LED light source capable of providing light output equivalent to 300W Xenon Light.	
6.	The Video Processor should have automatic light intensity adjustment to achieve ideal illumination.	
7.	The Video Processor should have necessary Full HD outputs.	
B.	Full HD Camera Head	
	The Camera Head should have Full HD CMOS/CCD sensors.	01 nos
	The Camera Head should have a facility of Optical Zoom.	
	The Camera Head should have 2 or more programmable camera head buttons to adjust and control various parameters.	
C.	Medical Grade Full HD Recorder	
	Recorder should have the facility to record full HD Videos and Still Images	01 Nos
	Should have an internal capacity of 50 GB or more	
	Should have compatibility with Hard Drive/SSD of 500GB or more to record videos externally	
	The recorder should have compatible inputs & Outputs for Full HD signals	
D.	26 inch or more Full HD Medical Grade Monitor	
	Should be a Medical Grade Full HD Monitor with resolution of 1920x1080 and 16:9 Aspect Ratio	01 Nos
E.	OEM Mobile Trolley	
	Trolley should be compact trolley & large enough to house Imaging system	01 Nos
	It should have 3 or more shelves with 4 antistatic castor wheels with locking brakes	
	Trolley should be offered with swivel arm to allow optimized procedure image viewing position	
F.	Fiber Optic Light Guide Cable	
	The system should include a fiber optic light cable with 2.8mm diameter, and 3m length or more	01 Nos
G.	General conditions for High-Definition Camera System	
1.	All equipment should be from same OEM	
2.	Quoted model or similar should be functioning satisfactorily for at least 3 years in Govt. / Reputed institution (Performance report to be attached)	
3.	The participating firm must be dealing with the quoted / similar equipment for the last 3 years	
4.	Preference will be given to the firms having Delhi based service centre to minimize down time.	
5.	Physical demonstration of the quoted model as per technical specification of tender is essential.	
6.	Rates of consumables / accessories items to be quoted separately by the firm which should be valid for least 3 years	
7.	System should be supplied with 2 years warranty and CMC for next 3 years after	

	warranty period. CMC/AMC rates for year 6 to 10 should also be quoted in price bid. The minimum life of the equipment must be 10 years from date of installation.	
8.	System should be USFDA/BIS/European CE approved.	
9.	An up-time guarantee of 95% is to be provided. Any repair required must be completed within 96 hours of notification failing which, a replacement product of similar capabilities is to be provided. Failure to provide a replacement product if the machine is out of commission for more than 96 hours, or exceeding total down time of 5% (more than 18 days in a year) will result in penalty at the rate of 0.05% per day of the total cost of invoice.	
10.	All accessories essential for making the device fully functional must be included in the quotation. If it is later determined that an essential accessory has not been quoted/provided, the vendor will be responsible for providing it free of cost.	

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

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



Advertised Tender Enquiry No.: XX-84/SO(DO)/Gastro/2026-27/M&E

Brief Description of Goods : Purchase of Chemidoc Multiplex Imaging Systems - 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-84/SO(DO)/Gastro/2026-27/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 Chemidoc Multiplex Imaging Systems	01 No.	INR Rs.40,000/-

CRITICAL DATE SHEET

Published Date & Time	30-09-2026 at 04.00 pm
Bid Document Download/Sale Start Date	30-09-2026 at 04.00 pm
Seek Clarification Start Date	30-09-2026 at 04.00 pm
Seek Clarification End Date	06-10-2026 at 04.00 pm
Pre Bid Meeting	NA
Pre Bid Meeting Place & Address	NA
Bid Submission Start Date & Time	13-10-2026 at 04.00 pm
Bid Submission End Date & Time	02-11-2026 (Monday) at 03.00 pm
Bid Opening Date & Time	03-11-2026 (Tuesday) at 03.00 pm

Instructions:

1 Bids shall be submitted online only at CPPP website:

<https://eprocure.gov.in/eprocure/app>

2. The Bidder shall download the Tender Enquiry Document directly from the websites <https://eprocure.gov.in/eprocure/app> and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.

3. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.

4. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Para No. 11 of GIB of Tender Enquiry Document.

5. Bidders are advised to visit this website regularly to keep themselves updated, for any changes/ modifications in the Tender Enquiry Document.

6. Intending bidder are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> regularly till closing date of submission of bid, for any corrigendum.

7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.

8. The EMD/Bid Security shall be deposited through Bank Guarantee/Demand Draft/FDR drawn in favour of the **AIIMS Main Grant**. The original Earnest Money/Bid Security must be delivered to **Stores Officer, Store Section (DO), Ist floor, Animal House Building(Near Bio-technology Building) AIIMS, New Delhi-110029** till bid opening date and time as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.

Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Chemidoc with stain free Imaging System with Accessories

1. **Chemidoc Imaging System** - System should be capable of Chemiluminescence, Fluorescence, Multiplex Fluorescence Western Blotting, Stain free Imaging, Colorimetry, Gel Documentation.

System should have following illumination sources:

- Trans UV (302nm), Trans White, Epi White
- Epi Blue, Epi Green, Epi Red, Epi Far Red, Epi Near IR

2. System should have below mentioned filters:
 - 590/110nm Standard filter to perform protein and DNA Gel and Blot Imaging
 - Chemiluminescence Filter
 - 518-546nm filter for blue emitting fluorophores and stains
 - 577-613nm filter for Green emitting fluorophores and stains
 - 675-725nm filter for Red emitting fluorophores and stains
 - 700-730nm filter for Far Red emitting fluorophores and stains
 - 813-860nm filter for near IR emitting fluorophores and stains
3. Should have 16-bit CCD camera with 6 MP, Pixel size: 4.54x4.54 μ , cooling: -15°C absolute or more.
Quantum efficiency: 70% at 425nm
Dynamic range: Not less than 4 orders
Read Noise: $\leq 6e^-$
Dark Current, $\leq 0.002e^-/p/s$ at -15°C
Auto Focus: precalibrated focus for any zoom setting or sample height
Image Flat fielding: Dynamic, precalibrated and optimized for all applications
4. Effective imaging area for all applications: not less than 21cm (W) x 16cm (H)
5. System should be supplied with universal tray for Chemi/UV/Stain Free applications, White Light tray for protein gels and Blue tray for Gel Green or any SYBR stains.
6. System should have smart tray technology to automatically recognize application specific trays, and adjust imaging parameters, iris setting, and software options accordingly.
7. System must be capable of imaging stainfree protein gels & stainfree blots. This should be supported by showing data in a technical bulletin or peer-reviewed publication.
System should have options for choosing automatic or manual exposure and adjust the binning level (2x2, 3x3, 4x4, 6x6 and 8x8).

9 System should have a touch screen interface with onboard computer along USB Ports to connect USB devices and Ethernet port.

10 System should have two predesigned auto exposure algorithms (rapid or optimal)

11 System must have manual lout sliding door facility design for easily accessible transilluminator during gel excision experiments.

12 Should be supplied with a suitable 1 KVA Online UPS

13 Compatible Computer should be supplied with i7 processor, 8GB RAM, 1TB HDD

14 Compatible thermal Printer with paper roll.

15 Software features: Software should have automated normalization feature for normalizing western blot signals of target band with a housekeeping protein and total protein load of a sample. Should Generate customizable reports and publication ready images with user defined dpi, dimension and format with one click export option thus eliminating the need of using other software like Photoshop. Free lifetime upgrade for acquisition and analysis software should be available freely on the internet.

2. **Mini SDS-PAGE electrophoresis system**– Cell can run 4 gels (Precast or handcast) within 45 mins, Side-by-side casting stand to allow both gels simultaneously, and a spring-loaded lever creates a tight seal against the thermoplastic rubber gasket. Should be upgradable to western blotting and SDS PAGE in same buffer tank.
System should include tank, lid with power cables, electrode assembly, 2 casting stands, 4 casting frames, 5 sets of glass plates for 1.0 mm thick, five 10 well combs, 5 gel releasers, Mini Trans-Blot Module - with 2 gel holder cassettes, foam pads, electrode assembly, cooling unit.
3. **Fast Semi Dry Western Blotting Transfer Apparatus** – System should have 2 cassettes, can do 4 mini or 2 midi gels simultaneously. Both Cassettes can run separately at different time intervals.
 - Should have USB port for firmware updates
 - Should have Cooling fan and inbuilt Power supply
 - User Interface: button keypad, monochrome display
 - Programmable methods: Up to 25 user-defined, Standard SD, 1.5 mm gels, High MW, Low MW, MixedMW
 - Should have Audible alarm
 - Should have User notifications features like Power fall during run, No-load detection, No cassette detection, End of run.
4. **Power Supply** - 300 V, 400 mA, 75 W, with Pause/resume run function, Automatic recovery after power failure and Pause/Resume Function.
Should have Safety features like No-load detection, rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over temperature protection.
Should have Safety Compliance - EN-61010, CE, Conforms to CE standards for Emissions and Immunity class A, tested only at 230V; TUV EMC certification.
5. **Agarose Gel Electrophoresis System** – Should include Leakproof system with color-coded QuickSnap electrodes, 2 Gel Tank with lid to accommodate 7x10 and 15x10 UV transparent trays, 8, 15, 20 well comb, gel caster.
6. **Consumables** - Should be supply with Stainfree Acrylamide solution kit for 50 Gels of 7.5%, 10%, 12%, Protein Standard (50 Rxs), Ready to Assemble Mini Nitrocellulose transfer kit (40 Blots), 5 Min Blocking buffer (500ml), Primary Antibody (Rhodamine Anti-Actin, Rhodamine Anti-GAPDH), Secondary Antibody (Goat Anti-Mouse IgG700, Goat Anti-Rabbit IgG520) 80ul each, ECL Substrate 200ml.
7. The machine must have a standard comprehensive warranty of 2 years with spares and should quote CMAC for next 8 years as per the O.M. No. Z-28016/35/2024-PMSSY-IV-Part(1) dated 30/08/2024 issued by the Government of India, Ministry of Health & Family Welfare.
8. Equipment should be European CE with 04 digit notified number or US FDA approved or BIS and equivalent Indian agency certified as per GOI guidelines.

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TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



शरीरमाद्यं रक्तु धर्मसाधनम्

Advertised Tender Enquiry No.: XX-85/SO(DO)/Biotech./2026-27/M&E

Brief Description of Goods : Purchase of Flow Cytometer Sorter - 01 No.

SECTION-I



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

Advertised Tender Enquiry No : **XX-85/SO(DO)/Biotechnology/2026-27/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 Flow Cytometer Sorter	01 No.	INR Rs. 4,00,000/-

CRITICAL DATE SHEET

Published Date & Time	30-09-2026 at 05.00 pm
Bid Document Download/Sale Start Date	30-09-2026 at 05.00 pm
Seek Clarification Start Date	30-09-2026 at 05.00 pm
Seek Clarification End Date	06-10-2026 at 04.00 pm
Pre Bid Meeting	Already done
Pre Bid Meeting Place & Address	NA
Bid Submission Start Date & Time	13-10-2026 at 04.00 pm
Bid Submission End Date & Time	02-11-2026 (Monday) at 03.00 pm
Bid Opening Date & Time	03-11-2026 (Tuesday) at 03.00 pm

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Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Technical Specifications for Flow Cytometer Cell Sorter

1. High-performance spectral flow cytometer with Cell sorting having 3 lasers or preferably more, (488 $\pm$ 10 nm Blue, 640 $\pm$ 10 nm Red laser, and a 405 $\pm$ 10 nm Violet laser) with each laser having its own beam spot to minimize the spectral overlap and signal interference. The system should be capable of detecting at least 16 colors or more with additional forward and side scatter detectors.
2. The quoted model must be upgradable with comfort to operate fully integrated true Class II (A2) Biosafety cabinet for enhanced user safety.
3. The system should be capable of acquisition at a minimum speed of 20,000 or higher events per second or more along with the sorting capability.
4. The system should have superior sensitivity: <110 MESF-FITC, <90 MESF PE or lesser to measure events with low antigen expression and application with dim fluorescence staining, which is achievable by high efficiency, low-noise.
5. The purity of sorted cells must be 95% or better with a 5% target population, sample threshold $\leq$ 10,000 events per second, while the yield rate is above 80% theoretic rate.
6. Programmed procedures should include daily clean, shutdown, aseptic clean, sheath filter de-bubble etc.
7. The system should be able to perform Automated QC and automatically set, monitor, and adjust the drop delay by continuously computing the correct drop delay using software wizard.
8. The system should have a minimum 4-way tube sorting capability, with the ability to assign to each sort stream an individual sort Mode. The system should be able to sort cells into tubes, or multi-well plates.
9. The system should support these sort collection devices: 5 mL tube, 96-well plate (deep and shallow) 384-well plate, and sample input from 1.5ml microcentrifuge tubes or 5ml tubes.
10. The system should have fixed aligned or Disposable flow cell and sort block (with no requirement for alignment by the operator, even after a change of nozzle.) Three or more Nozzles/Sorter Chips (size range of 70 μ m-130 μ m) shall be provided for the cell sorting.

11. The system should have automated sort setup and sort monitoring including drop formation and break-off, drop delay, drop deflection nozzle blockage.
12. The system must have Automatic full matrix compensation. The system should be able to perform color compensation automatically when detector settings are adjusted.
13. All necessary filters, dichroic, and beam splitters are to be included for the above configuration.
14. All the fluorescence channels must be designed with Photomultiplier tube (PMT) or semiconductor detectors (APDs) for the amplification of dim fluorescence signals.
15. The cell sorter must be equipped with sensitive detectors for capturing high Sensitivity signals for both fluorescence and scatter detection.
16. The system should have an autoclavable sheath, and User replaceable sterile sample tubing.
17. Should be supplied with an anti-vibration Platform with a sturdy table and a fluidics cart (if any) for storing the sheath tank and other accessories along with suitable chairs (02) and stool (02) to be provided.
18. The system should be supplied with the latest version of acquisition and analysis software and any software-related operating systems/ hardware upgrades should be provided free of cost during the warranty and CMC period.
19. The system should also be supplied with the latest compatible high-end data acquisition workstation from the source/original manufacturer. The Operating System and all other accessory software should be licensed and supplied with original installation.
20. Offline Data analysis platform with the following configuration need to be supplied:
Processor: i7 intel core 13th generation or better version, RAM: 64 GB, HDD: 1 TB, SSD: 2 TB, Display: Two 27" or higher UHD 4K Monitors, OS: Windows 11 or higher (with free upgrade within warranty period). Multifunction (Wi-Fi enabled) Laser Printer with 02 analysis software key.
21. Should be supplied with a branded compatible online UPS with at-least 30 minutes backup for the data acquisition unit. The batteries of the UPS for the system and computer should also be included as replaceable free of cost in the warranty and CMC period.

22. List of Installation/s from reputed government institutes / reputed biopharma companies along with Installation Certificate from these institutes must be provided from India.
23. A detailed list of spare parts, accessories and QC consumables and their current list prices should be quoted.

GENERAL CLAUSES

24. **Warranty: 02 years'** comprehensive warranty from the date of satisfactory installation.
25. **CMC: (03rd - 10th year)** after completion of the **02-years** warranty period with spares and labor.
26. **Penalty clause:** As per AIIMS prevailing Practice.
27. Kits and consumable (FACS tubes and sheath fluid) should be provided with the system for IQ/OQ and monthly verification of Optics, Fluidics, Classifier and Reporter channel in a staggered manner for **02 years**.
28. Only Principal Companies or Authorized Distributors from Principal companies should quote. Quotations from non-authorized distributors will not be entertained. Features in the quotations should be substantiated with proper Principal Company Catalogue.
29. Should operate under a Quality Management System which complies with the requirements of ISO 9001:2008 for design, manufacture, and services.
30. Copies of all certifications e.g., Quality Standard certificate, Proprietary Item/parts, Patent of parts/ technology, Principal company/Authorized Distributorship should be attached with the quotations.
31. Compliant points should be given (in the sheet) in order of the specifications' serial order. Compliant points should be highlighted in the company catalogue with page numbers.
32. Must include List of Users (India/Global) with their telephone numbers and email address.
33. A performance certificate from at least 2 users (India/worldwide) of the quoted model should be provided.
34. Vendor should submit an undertaking from manufacturer taking the responsibility of maintenance in case of merger or acquisition.
