



OFFICE OF THE PRINCIPAL
College of Medicine & J.N.M. Hospital
West Bengal University of Health Sciences
Kalyani, Nadia, West Bengal, Pin – 741235

Memo No. COMJNMH/PR/2025/4133

Date:-20.09.2025

CORRIGENDUM

As per the decision taken in the Pre Bid Meeting held on 19.09.2025 in the Conference Room of the Administrative Building, the following Corrigendum is hereby done for the Tender ID 2025_HFW_903496_1.

Revised specification for the following Equipements as given with separate attachment:

Sl. No	ITEM	Department	Remarks
1	Micro-Debrider Machine with Blade	ENT	Attachment with new specification
2	Endoscopic Camera with Light Source	ENT	Attachment with new specification
3	Phototherapy Whole Body Units (24UVA+24NBVB)	Dermatology	No change of specification
4	HD camera System Thoracoscopy	Pulmonary Medicine	Attachment with new specification
5	Portable USG Machine	Pulmonary Medicine & Anesthesiology	Drop out from Tender, the bidders do not need to bid.
6	Electro Surgical Generator with Vessel Sealer Monopolar Cut	OBS & GYNE	Attachment with new specification
7	Hysteroscopy Set	OBS & GYNE	Attachment with new specification

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Attachment:-

1. New specification of Micro-Debrider Machine with Blade
2. New specification of Endoscopic Camera with Light Source
3. New specification of Thoracoscopy
4. New specification of Electro Surgical Generator with Vessel Sealer Monopolar Cut
5. New specification of Hysteroscopy Set.

Memo No. COMJNMH/PR/2025/4133/1(10)

Date: 20.09.2025

Copy forwarded for information: -

1. Registrar, the West Bengal University of Health Sciences, Salt Lake, Kolkata.
2. Finance Officer, the West Bengal University of Health Sciences, Salt Lake, Kolkata.
3. Medical Superintendent, College of Medicine & J.N.M. Hospital, Kalyani, Nadia.
4. Prof. & HOD, Dept. of Biochemistry & Member Secretary of Tender Committee, College of Medicine & JNM Hospital, Kalyani, Nadia.
5. HODs Dept. of ENT, Dermatology, Pulmonary Medicine Anaesthesiology and Obs. & Gyne, College of Medicine & JNM Hospital, Kalyani, Nadia.
6. Accounts Officer, College of Medicine & JNM Hospital, Kalyani, Nadia. (Hospital Side)
7. Accounts Officer, College of Medicine & JNM Hospital, Kalyani, Nadia. (College Side)
8. Programme Officer, the West Bengal University of Health Sciences, Kolkata - to upload the matter at the Official Website of the West Bengal University of Health Sciences.
9. Sri Mayukh Jyoti Sen (DEO), College of Medicine & JNM Hospital- to upload the matter at the Official Website of the College of Medicine & JNM Hospital.
10. Office Copy.



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Technical Specification

Micro-Debrider Machine with Blade.

Sl. No.	Specification	Qty
1	<u>Console:</u> <ul style="list-style-type: none"> • Should have in built user-friendly interactive menu and illustrative help guide • The various parameters should be able to adjust either from ouch screen panel or from the multifunction foot switch • Should be able to connect multiple hand pieces at a time like Debrider hand pieces minimum 5000 RPM upto 7500 RPM in Oscillating mode & 3000 RPM in forward Mode), Otologic drills (up to 80000 RPM0), Stapedectomy Drill (upto 16000 RPM) • Console should recognize the various hand pieces and automatically adjust setting accordingly. • Should have two inbuilt pumps each for irrigation (5Cc/Min to 100 Cc/Min and cooling) • Should have multifunction ergonomically designed foot control with light emission for easy identification. • Should be able to control speed/mode, forward/reverse toggle, Active hand piece change from the Foot control itself. • Should have emergency hand switch option to work without foot pedal in case of foot switch failure. • Should have options for remote control irrigation to operate from sterile area. • Should have built scope Lens cleaning system • Should have provision to connect facial nerve monitor with the Otologic drill. • Should have option to connect with Skeeter drill. • Should have option to connect Oscillating, Reciprocating and Sagittal Saws. • Should have clamps to fit in to IV pole for OT Space Management. • Should be USFDA and CE Approved. 	1 (One Unit)
	<u>Debrider Handpiece</u> <ul style="list-style-type: none"> • Able to work up to the Speed minimum 12000 to 30000 RPM in forward rotation and 7500 RPM in oscillation mode. • Should have fingertip control for intraoperative blade tip rotation up to 360 degree. • Should have straight suction path to reduce clogging and allow efficient tissue removal. • Should have finer blade locking system to lock the blade tip rotation. • Should have integrated side grooves and cable clips to provide better tubing management • Should have Titanium body to avoid rusting. • Should come with Zero, 12,40,60,90,12-degree and laryngeal blades. 	

High Speed Otology	<ul style="list-style-type: none"> • Should be compatible with 30k burs for frontal sinus drilling.
	<ul style="list-style-type: none"> • Drill handpiece should be ergonomically designed and easy to hold while operating.
	<ul style="list-style-type: none"> • Drill must be useful for lateral skull base as well as trans-nasal skull base procedures
	<ul style="list-style-type: none"> • The system should have electric motor which has maximum stall torque more than 42mNM.
	<ul style="list-style-type: none"> • Motor should run up to maximum speed of 75000 RPM.
	<ul style="list-style-type: none"> • Weight of the drill should not be more than 90 grams and length should be less than 11 cm with diameter not exceeding 1.70 cm.
	<ul style="list-style-type: none"> • Handpiece should have quick release and lock system for tools and attachment.
	<ul style="list-style-type: none"> • The handpiece should be provided with one straight and one angled attachment required for lateral skull base surgeries.
	<ul style="list-style-type: none"> • The handpiece should be compatible with trans nasal skull base burs which should be directly attached to the motor.
	<ul style="list-style-type: none"> • Drill must be provided with variety of cutting and diamond burs.
	<ul style="list-style-type: none"> • Drill must have an option of variable length of straight and angled attachment.
	<ul style="list-style-type: none"> • Must have option to connect irrigation tubing which can be programmed to provide intermittent or continuous irrigation.
Low speed Drill	<ul style="list-style-type: none"> • Handpiece weighs only 2 oz.
	<ul style="list-style-type: none"> • Variable speed upto 12,000 RPM
	<ul style="list-style-type: none"> • Self-powered or use with MPS console with optional adapter.
	<ul style="list-style-type: none"> • Full range of color-coded Oto-Flex burs available.

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SPECIFICATION FOR ENDOSCOPIC CAMERA WITH LIGHT SOURCE

Sl. No.	SPECIFICATION FOR ENDOSCOPIC CAMERA WITH LIGHT SOURCE
1	UNIT and Camera Head
	<p>The system should have the Full HD Resolution 1920 X 1080</p> <ul style="list-style-type: none"> • Internal Medical grade recorder for Capturing HD Videos and HD Stills or External Medical grade recorder should be provided from the same manufacturer: Capacity 50GB or more. • System should have facility of controlling the recording device from the camera head. • The recorder should have a USB port for direct recording on the flash drive or HDD. • The system should support direct connectivity of Chip on tip flexible Video bronchoscope & video laryngoscope Scope to the camera processor. (same has to be shown during physical demonstration of the product if required by the dept.). • Technical specification for three chip camera Head and higher. <p><u>Technical Specifications:</u></p> <p>AGC: Microprocessor controller</p> <p>Control buttons: 3 (2 of them freely programmable)</p> <p>Input: Keyboard input for character generator.</p> <p>Power Supply:- 100-240 VAC 50/60 Hz</p> <p>Certified to: IEC 601-1, 601-2-18, CSA 22.2 No. 601, UL 2601 and CE according to MDD, protection class1/CF.</p>
2	High Definition Medical Grade Monitor 27 Inch or more- 1pc
	<p>The monitor should have:</p> <p>HDTV display in original 16: 9 format. 1080 p/50 & 1080 p/60 displays possible. LED crystal display. Max. Resolution of 1920X1080. Screen diagonal - 27inches. Should have the facility of PIP mode.</p> <p>Accessories External 24VDC Power Supply, Mains Cord, Pedestal. Certified to: EN 60601-1, protection class IPX 1</p>
3	LED Light Source with Fiber optic cable
	<ul style="list-style-type: none"> • Color Temperatures 6400K • Light Outlets-1

	<ul style="list-style-type: none"> • Light Intensity Adjustment: - Continuously adjustable manually automatically by cameras video output signal. • Should be supplied with Diameter 4.8mm, Length 250cm. • Certified To: IEC 601-1 & UL 544 CE According to MDD, protection class 1/CF.
4	Hopkins telescope of size 4mm 0 degree with wide angle view - 1pc.
5	Hopkins telescope of size 4mm 30 degree with wide angle view-1pc.
6	Hopkins telescope of size 4mm 45 degree with wide angle view-1pc.
7	Hopkins telescope of size 4mm 70 degree with wide angle view - 1pc.
8	Hopkins telescope of size 2.7 mm 0 degree with wide angle view- 1 pc.

All the equipments should be from the same manufacturer to ensure full Compatibility.

A suitable trolley should be provided.

The offered set should be CDSCO & USFDA certified.

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Technical Specification for Advanced Semi-Rigid Pleuravideoscope (Thoracoscope) system


System Includes:


- A. Video processor with Light source
- B. Semi-Rigid Pleuravideoscope (Thoracoscope)
- C. Peripheral Items

A. Video processor with Light source:

- Video processor should have In-built light source with 5 LED Spectrum Technology inclusive of Amber LED to improve red color reproduction in White-Light Imaging and improve deep vessel visibility in the RDI Mode
- Should have real time optical enhancement like NBI (Narrow Band Imaging) Technology to determine potential histology and confirm lateral extent for all indications.
- Should have technology for identifying bleeding points and underlining deep vessels during therapeutic procedures - RDI (Red Dichromatic Imaging)
- Should have texture enhancement technology for optimization of structure, color tone and brightness of the mucosal surface for early cancer detection.
- Should have technology to adjust brightness of darker areas so that more and far can be seen during endoscopy.
- Should have full screen mode, the endoscopic image should cover the entire monitor screen, which allows the bronchoscopist to observe with Higher Magnification power.
- The video processor should have digital 12G-SDI output for 4K, 3G-SDI and HD-SDI output for UHD image and should contain electronics for clear visibility of near and far objects.
- Provision of VBS composite video output function
- Equipped With High-Definition HDTV imaging capacity.
- Provision of Portable memory and USB slot for still image recording
- Provision of automatic IRIS control and white balance free function
- Provision of Picture in picture display both SD & HD input options and index function ability
- Equipped with automatic halving of Light brightness when the scope is kept idle for more time, so that it makes the endoscopic room more comfortable for medical staff & patients.
- Equipped with touch screen interface for accessing the processor settings.


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B. Semi-Rigid Pleuravideoscope (Thoracoscope): Should have following features:

- Should have HD CCD on tip.
- Compatible with electrosurgical and laser treatments
- It should be compatible with optical enhancement NBI/TXI/RDI modes.(Optional)
- Distal end & Insertion tube outer diameter should be 7.3 mm or less
- Distal tip should be bendable in Up/Down direction for better vision in pleural cavity
- Field of view should be 120 degree or more
- Depth of field should be 7-100 mm or better
- Angulation range should be approx. Up 180 deg & Down 130 deg
- Working length should be around 250 – 540 mm
- Instrument Channel should be around 3 mm
- It should have waterproof one touch connector.

C. Peripheral Items

1. Monitor: Should have following specifications

- 32-Inch with LED Backlit medical grade monitor with 4K UHD resolution from same make for better visualization leading to early cancer detection and treatment effective.
- Should be compatible with The Advanced Image Multiple Enhancer (A.I.M.E.™) technology
- Should be compatible to route 4K/HD video signals via a single 12G-SDI output
- Should have multiple display modes such as Picture-in-Picture (PIP) and Picture-out-Picture (POP) display modes
- 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
- Ergonomic design
- Certified from IEC 60601-1
- Intuitively operable control panel with LED lighting navigation

2. Others:

- Water leakage tester should be provided
- Dedicated Trolley for endoscopy should be provided
- Image management and recording software should be provided compatible with available resolution.
- Flexible Trocar -20 (Make-OEM)
- Single Use Biopsy Forceps-20 (Make-OEM)

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"TECHNICAL SPECIFICATION"

HYSTEROSCOPY SET

Sl.	Item with Specification :	Qty.:
1.	HYSTEROSCOPY SET TECHNICAL DATA SHEET ATTACHED	01

EACH SET CONSISTS OF :

Item Description	Qty.
Examination Sheath, Å, 4.1 mm, with 1 Lock adaptor	1
Forward - Oblique Telescope 30Å°, diameter 2.9 mm, length 30 cm, autoclavable, fiber optic light transmission incorporated, color code red	1
Operating Sheath, size 4.3mm, with channel for semirigid 5 Fr. operating instruments, with 1 stopcock and 1 Lock adaptor, for use with CF operating sheath	1
Continuous-Flow Operating Sheath, size 5.mm, with 1 stopcock and 1 Lock adaptor, for use with operating sheath	1
Scissors, pointed, single action jaws, semirigid, 5 Fr., 34 cm	1
Biopsy and Grasping Forceps, semirigid, double action jaws, 5 Fr., length 34 cm	1
Biopsy Spoon Forceps, semirigid, double action jaws, 5 Fr., length 34 cm	1
Bipolar Vaporization Electrode, semirigid, 5 Fr., needle electrode angled 90Å°, length 42 cm	1
Resectoscope Sheath, including connecting tube for in- and outflow, for continuous irrigation and suction, 22 Fr., oblique beak, rotatable Inner Sheath with ceramic insulation, color code: white for use with Working Elements	1
Inner Sheath, rotating, with ceramic insulation, diameter 7 mm, for use with Resectoscope Sheath	1
Standard Obturator, color code: white, for use with Resectoscope Sheaths,	1
Working Element. Motion by means of a spring. The thumb support is movable. In rest position the electrode tip is inside the sheath	1
Working Element, bipolar, motion by means of a spring, the thumb support is movable, in rest position the electrode tip is inside the sheath	1
Unipolar High Frequency Cord, with 4 mm plug, length 300 cm, for use with HF units, models and Erbe type T, older models	1
Bipolar High Frequency Cord, for, length 400 cm, with RFID coding system, usable 20x, for use with bipolar resectoscopes	1
Cable for Bipolar Resection	1
Cutting Loop, bipolar, 21 Fr., sheath diameter 7 mm, color code: white	1
Coagulation Electrode, bipolar, with ball end, 21 Fr., sheath diameter 7 mm, for use with Telescopes	1
Cutting Electrode, bipolar, pointed, 21 Fr., sheath diameter 7 mm, for use with Telescopes	1
Tubal Recanalization Guide Wire	1
Evacuator	1
Forward - Oblique Telescope 30Å°, diameter 4 mm, length 30 cm, autoclavable, fiber optic light transmission incorporated,	1
Examination Sheath Å, 5.1 mm, with 1 LUER - Lock adaptor	1

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Operating Sheath, size 5.4 mm, with channel for semirigid 5 Fr. operating instruments, with 1 stopcock and 1 adaptor, for use with CF operating sheath	1
Continuous- Flow Operating Sheath, size 6 mm, with 1 stopcock and 1 Lock adaptor, for use with operating sheath	1
Mono polar Bug Bee Electrode	1
Scissors, pointed, single action jaws, semirigid, 5 Fr., 34 cm	1
Biopsy and Grasping Forceps, semirigid, double action jaws, 5 Fr., length 34 cm	1
Biopsy Spoon Forceps, semirigid, double action jaws, 5 Fr., length 34 cm	1
Resectoscope Sheath, including connecting tube for in- and outflow, for continuous irrigation and suction, 26 Fr., oblique beak, rotatable Inner Sheath with ceramic insulation, color code: yellow for use with Working Elements	1
Inner Sheath, rotating, with ceramic insulation, 26 Fr., for use with Resectoscope Sheath	1
Standard Obturator, color code: yellow, for use with Resectoscope Sheaths	1
Working Element Motion by means of a spring. The thumb support is movable. In rest position the electrode tip is inside the sheath.	1
Working Element, bipolar Motion by means of a spring. The thumb support is movable. In rest position the electrode tip is inside the sheath.	1
Cutting Loop, bipolar, 26 Fr., sheath diameter 8 mm, color code: yellow. This article is only available in units of 6	1
Bipolar Cable	1
Cutting Electrode, bipolar, pointed, 26 Fr., sheath diameter 8 mm, for use with Resectoscope Sheaths Telescope	1
Integrated SCB module, incl. mains cord, power supply 100 - 240 VAC, 50/60 Hz System requirements: SCB control NEO system with integrated SCB control NEO Software	1
Tubing Set, Irrigation, PC, reusable, sterilizable, for use with ENDOMATA	1
Silicone Tubing Set for suction, sterilizable, for use with Endomat	1

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Electro Surgical Generator with Vessel Sealer Monopolar Cut

Sl	Specification	Technical Compliance	Remarks
	<u>Specifications -</u>		
	- HF electrosurgical device for urologic procedures (open / endoscopic / laparoscopic).	Yes	
	- Should have 6 - 9" TFT LCD touch screen (capacitive) with safety glass protection.	Yes, 8.4" screen, No touch screen	
	- 300 procedures storable with text and parameters.	Yes, 100 programs	
	- 20 or more pre-programmed procedures, upgradable by software.	Yes	
	- USB and RJ45 service port for software update and extension of HF functionalities	Yes Not required in our system	
	- Equipped with 2 monopolar and bipolar HF- outlets, Vessel sealing output (total-2)	Yes	
	- Feature of an integrated mode BiVascularSafe for permanent sealing of arteries, veins and tissue bundles.	Yes, Seal safe	
	- CF outlets for highest patient and user safety	Yes	
	- Continuous monitoring of the neutral electrode during monopolar application.	Yes	
	- (3-foot switch, 1 monopolar, 1 bipolar, 1 vessel sealing or combined).	Yes	
	- Toggle function between two sockets from sterile field by footswitch.	Yes, Swap mode – switching between two pre-set programs	
	- Toggle function between modes / settings within one socket from sterile field by footswitch.	Yes	
	- HF activation possible by hand buttons or by footswitch.	Yes	
	- Self - test of all relevant parameters and functionalities for highest patient and user safety.	Yes	
	- Easy device handling thanks to logical arrangement and colour design of operational elements.	Yes	
	<u>Technical Data:</u>		
	• Line Voltage: 220 - 240VAC, 50/60 Hz	Yes	
	• Max. Power Consumption: 1150 VA 1700W.	Yes	
	• Type: IEC 60601-1, CE acc. to MOD	Yes	
	• Protection class IICF, medical device of class lib	Yes	
	• Further properties and safety systems:	Yes	
	• Implemented voyage control and arc control modes.	Yes	
	• BiVascular Safe for permanent sealing of veins, arteries and tissue bundles. Castro - Cut Mode	Yes, Seal safe	
	• Resection C - Cut / under water – Cut - the intermittent cut-coagulation modes.	Yes, Bipolar TUR current	

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• Cutting modes should be Mono-polar and Bi-polar under saline resection.	Yes	
• Vessel ceiling should be up to 7 mm capacity.	Yes	
• Safety Systems: Automatic self-test of the unit: Output error; Neutral electrode monitoring EASY-System(dynamic and dual. smgle- and dual surface NE); Neonatal Mode (with limitation of the generator to 50 Watt unipolar); LF/HF leakage current morutonng; Activation lime: DIS engageable HF activation.	Yes	
• Unipolar generator with maximum 400 Watt HF power.	Yes, Max. 360 W (400W pulsed)	
• Precise power setting and partially limitation In 1 Watt steps. Up to 9 hemostat IS effects for unipolar cut.	Yes	
• Bipolar generator with maximum 400 Watt HF power.	Yes, 320 W	
• Bipolar Auto-Start function.	Yes	
• Mode for use of bipolar MIS (LAP) instruments.	Yes	
• Equipment European CE (4 Digit Notified body) & USFDA certified.	Yes CE certified	
Consisting of:		
• HF - electrosurgical device.	Yes Maxium	
• Power cord	Yes	
• Three pedal Footswitch	Yes	
• Reusable patient plate - 5 nos.	Yes	
• Mono-polar and Bi-polar hand switch - 05 nos. each	Yes	
• Laparoscopic Hand Instrument required for vessel sealing 5 mm – 8 units and 7-10 mm – 2 units (It should be compatible with the system)	Yes, Laparoscopic vessel sealing instrument, 37CM Maryland reusable- 1nos along with 3 Pack Blade	
• All Quoted Goods should be of same Make and accessories can be supplied from other manufacturer compatible with the original machine.	Yes	

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