

**GOVERNMENT OF ANDHRA PRADESH  
MEDICAL AND HEALTH DEPARTMENT**

Office of the Director::Visakha Institute of Medical Sciences, Visakhapatnam

**Tender Notification No.189/G1/VIMS/VSP/2024 Date: 28-02-2024.**

**TENDER NOTICE**

Inviting of tenders through District Purchase Committee for the supply of certain medical/surgical equipments in the departments of Medical Gastroenterology, Surgical Gastroenterology, Orthopedics, Plastic Surgery and Neurosurgery. The tender schedules are available in the O/o Visakha Institute of Medical Sciences, Visakhapatnam and can be obtained duly paying an amount of Rs. 5,000/- + 18% VAT (aggregating of Rs.5900/-) for each tender schedule in the form amount should be paid in the form of DD in favour of the Visakha Institute of Medical Sciences, Visakhapatnam issued by any Nationalized Bank.

**Bid Floating dates** : From 29.02.2024 to 07.03.2024  
**Bid Closing date** : 07.03.2024

Further details can be obtained from the O/o Visakha Institute of Medical Sciences, Visakhapatnam.

  
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**Tender Schedule - 1 (I)**  
**Medical Gastroenterology Department**

S.No	Name of the equipment	Specification/Make	Qty
1	EUS Cable	2KVA Servo with Isolation Transformer	1
		Ultrasound Cable ( MAJ-2056)	1
		EZ shot 3 Plus sin ( NA-U200H-8019-C)	3
		EZ shot 3 Plus sin ( NA-U200H-8022S-C)	2
2	Optera Video Processor	CV-170	1

**Detailed specifications for EUS Cable**

Should be compact processor , inbuilt long LED , having light weight  
 Should be able to provide 16:9 and 16:10 output for a HDTV Monitor  
 Should be compatible with Analog and digital ( HD-SDI and DVI output ) to reproduce high definition images / video  
 Should be equipped with special detection technology for detailed observation by enhancing visibility of blood capillaries and mucosa  
 Should contain portable memory ( minimum 2 GB ) & USB slot for image recording and minimum 1 GB internal buffer memory of Processor  
 Should be able to function Picture in Picture display & Index function ability  
 Should be equipped with memory back up for settings & Lithium battery  
 Should have pre-freeze function to select the clearest still image automatically and noise reduction technology  
 Should have structure enhancement A for better observation of larger mucosal tissues in lower GI and structure enhancement B in upper GI

  
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**Tender Schedule - 1(II)**  
**Medical Gastroenterology Department**

S.No	Name of the equipment	Specification/Make	Qty
1	Endoscopy Ultrasound Processor	EVIS EUS Endoscopic Ultrasound CE	1
2	Actera Upper GI Video Scope	GIF Q 150	1

**Detailed specifications for Endoscopy Ultrasound Processor**

Compact and easily transportable one cart System/Unit, ease to move on trolley.  
 Ultrasonic Process should provide color doppler, Power Doppler and H-flow for effective confirmation of blood flow, Pulse wave, B Mode, color flow.  
 Should have Tissue Harmonic function and Elastography function upgradable compatibility available to confirmation of relative thickness of tissue to confirm the possibility of malignancy.  
 Should have upgradable compatibility to Elastography with i-ELST function strain ratio & strain histogram.  
 Should have S-focus function for full range focusing eliminating Manual focus adjustment.  
 Processor should be immigrated process or for electronic and Mechanical scanning.  
 Processor should have the technique to deliver wide ultra sound beams for quicker EUS image with high quality.  
 Should have option to upgrade SWQ for absolute value of tissue stiffness with in a region of interest.  
 SWQ (Software Options) Calculates and displays transmission speed and elasticity of shear wave in ROI.  
 Should have capacity to record upto 3min video with its retrieval.  
 Should be capable of generating frequency range: 5-20MHz  
 The key board should have a large LCD touch panel that allows a greater range of functions to be displayed at one time, backlit keys, and a trackpad for ease of use and cleaning  
 Retrieve Image through USB port to record.  
 GAIN, contrast and STC functions for adjustment of image.  
 Should have LE reduction function to intensive signals.  
 Should have combined contrast harmonic & tissue harmonics mode (C-THE)  
 Should have persistence mode for 3D image smoothing.  
 Coated processor should have optional software to upgrade in future.  
 2KVA isolation transformer should be provided to protect the Ultrasound Processor against electric surge.  
 Should be compatible with existing Olympus light source & processor.


  
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**Tender Schedule - 1 (III)**  
**Medical Gastroenterology Department**

S.No	Name of the equipment	Specification/Make	Qty
1	Ultrasonic Video Gastro Endoscope Linear	GF-UCT 180 Scope	1

**Detailed specifications**

Should have high resolution quality Endoscopy image.  
 Should have feature to perform vascular pattern study like (NBI/OE- i-Scan/BLI-LCI).  
 Should have compatibility with SWQ to check the liver fibrosis  
 Should have EUS images with four or more selectable frequencies from 5-12 MHz  
 Should have Color Doppler, Power Doppler for effective confirmation of blood flow, should have Pulse Wave Doppler, and B-Mode.  
 Should have 4 or more remote switches in scope the control body for frequently calling desired functions such as Freeze and unfreeze.  
 Should have lens cleaning function for keeping the endoscopic field of view clear.  
 Should have Tissue Harmonic function for enhanced EUS image.  
 The distal end should have a short rigid portion for less trauma to the patient.  
 Video scope should have FNA (Therapeutic capability).  
 Compatible with leakage testing device with its air flow and pressure regulation through light source's air pump.  
 Should have detachable EUS cable for better handling of scope, effective reprocessing & storage.  
 Should be compatible with existing Olympus light source & processor.  
 EUS scope should be fully immersible for through cleaning  
 Depth of Field : 3-100mm  
 Scanning Method : Electronic curved linear array  
 Frequency Range Electronic probes : 5 to 12 MHz  
 Scan Range : 180 degree or better  
 Field of view : 100 degree or more  
 Direction of view : 55 degrees Forward oblique  
 Insertion tube outer diameter : 12.6 mm or less  
 Distal end outer diameter : 14.6 mm or less  
 Instrument channel diameter : 3.7 mm or more  
 Angulation Range : UP/Down 130/90 degree or more Right/Left 90/90 degree or more  
 Working Length : 1250 mm or more.  
 Total Length : 1550 mm or more

  
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**Tender Schedule - 1(IV)**  
**Medical Gastroenterology Department**

S.No	Name of the equipment	Specification/Make	Qty
1	VIO 3 Electro Surgical Unit with 3 APC Modes		1

**Detailed specifications**

1. The system should include advanced Monopolar, Bipolar, vessel sealing upto 7mm, and Argon Plasma Coagulation (APC) used for management of bleeding and devitalization of tissue abnormalities achieved by optimal coordination separate generator APC outputs.
2. The system should have color touch display with illuminated multifunction sockets and status display.
3. The system should have the capacity to store upto 1800 Sub programs.
4. The system should have microprocessor-controlled high-frequency surgery unit for monopolar and bipolar cutting and coagulation with 400-wattage power output.
5. The system should have sampling of the status parameters of over 25 million samples per second enabling real-time monitoring of the generator in regard to security and power application.
6. The ESU should have the capacity to represent utilized current forms as pictograms and scale wheels.
7. The system should have the Wi-Fi connectivity for the easy upgradation/exchange of the system software, user preferences, and programming settings and for software related service.
8. The multifunctional sockets should be compatible for both Monopolar and Bipolar instruments with automatic instrument recognition.
9. The system should have facility for 2 monopolar, 2 bipolar and 2 vessel sealing outputs
10. The system should have the capability to automatically adjust the settings to the recommended current forms and non-approved modes should be blocked.
11. The system should have capacity to color lit up and show the different states in terms of usage, security, and activation.
12. The system Footswitch should have the capability to interchange between 6 different sub programs/ modes/instruments from sterile field.
13. The system should have digital displays and focus view of the selected program modes.
14. The system should have enough memory for customizing and individual program names.
15. The system should be compatible with reusable and disposable vessel sealing instruments and all other necessary accessories for using the TMS to complete said capabilities.
16. The system should have Bipolar CUT and COAG facility for under water procedures.
17. The system should have facility to adjust the flow rate of argon gas based on the

  
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17. The system should have facility to adjust the flow rate of argon gas, based on the application.

18. The system should have Auto Start and Auto Stop facility for Bipolar mode.

19. The system should have Automatic control of output power according to tissue resistance.

20. The system should have continuous patient monitoring for neutral electrode.

21. The system should have minimum three modes of Argon Plasma Coagulation forced, Pulsed,

precise various endoscopic procedure applications.

22. The system should be supplied with Filter integrated APC Endoscopic applicators.

23. The system should have the power supply through a single power cord to reduce number of cables and connectors.

24. The system should have the following endoscopic modes

25. The system should have facility for automatic depth controlled plasma regulation

28. The system should have maximum HF peak voltage should be 770Vp

29. The system should have atleast 4 fixed pre-set reproducible haemostatic effect

30. The system should have fractioned cutting with cut interval selectable in 10 steps

31. Should have cut duration selectable in 4 steps

32. The system should have following coagulation modes

33. PreciSect - For medium coagulation with cutting effect

34. swiftCoag - Intense coagulation

35. SoftCoag - Slow and deeper coagulation

36. forced Coagulation - fast coagulation with moderate to intense hemostasis

37. spray Coag - Non contact coagulation

38. Thermo seal - special coagulation mode for sealing blood vessels upto 7mm in diameter

#### **Argon Plasma Coagulation**

39. The system should have for management of bleeding and devitalization of tissue abnormalities achieved by optimal coordination argon plasma generator

40. The Argon Plasma Coagulation system should have automatic parameters setting for various types of instruments and automatic depth-controlled plasma regulation.

41. The system should have three different APC modes suitable for different indications.

42. Precise APC - adjustment made using the effect settings

43. Pulsed APC - adjustment made using the parameter power settings

44. Forced APC - adjustment made using the parameter power settings

45. The system should have Adjustable argon flow rate from 0.1L/min to 8L/ min in steps of 0.1 L /min with automatic regulation of selected flow rate.

46. The system should have the facility to use Argon plasma coagulation and monopolar coagulation simultaneously

47. The system should have automatic monitoring of flow rate and Argon supply and auto purge facility.

48. The system should give visual display of argon gas bottle content and should give Acoustic alarm when bottle content reaches a minimum.

49. The system should have facility for activation of unit by foot pedal of the Electro Surgical unit.

50. The system should have facility to use in double balloon endoscopy procedures.

51. The system should have facility for Argon supported cutting and coagulation. different user settings.

52. Power consumption

53. Voltage - 220-240VAC

54. Power consumption in standby mode should be less than 30W

55. Power consumption at maximum HF power - 550W

56. The footswitch should be waterproof (IPX8) and washable in surgical washers

57. The system should be CE and US-FDA approved with all the compatible accessories from the same manufacturer.

a. Main unit

b. APC (Sub System)

c. Power Cord- 1 no

d. Remote function two paddle footswitch -1 no

e. Single use adhesive Split patient plate electrode with cable - 5 nos

f. Monopolar connecting cable, International ø 8 mm, 4 m; for polypectomy snares, with connection ø 3 mm - 1 no

connection  $\varnothing$  5 mm - 1 no

g. Pressure reducer with sensor for APC, with manual connection gas cylinder connector - 1 no

h. Argon gas cylinder, 5 liters, - 1 no

i. Filter integrated argon coagulation applicator axial beam 2200 A,  $\varnothing$  2.3 mm, flexible, length 2.2

m; with instrument recognition for interventional endoscopy - 1 no

j. Filter integrated argon coagulation applicator axial beam 2200 SC,  $\varnothing$  2.3 mm, flexible, length 3m;

with instrument recognition for interventional endoscopy - 1 no

k. Filter integrated argon coagulation applicator side fire conical beam 2200 C,  $\varnothing$  2.3 mm, flexible,

length 2.2 m; with instrument recognition for interventional endoscopy - 1 no

  
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**Tender Schedule - 2**  
**Surgical Gastroenterology Department**

S.No	Name of the equipment	Specification/Make	Qty
1	ENDOFLATOR 40 with integrated SCB Module	UI400	1
2	High Pressure Hose American Connection/Germany Connection(CO2)		1
3	Gas filter with ISO connection Hydrofobic on both sides	Maximum gas flow of 50l/m	1
4	Insufflators in-line Filter	IN-Line filter	1
5	Insufflation tube, Sterilizable, inner diameter 9mm with 250cm	ENDOFLATORA 40 or ENDOFLATORA 50	1
6	Laproscopy Trolley		1

  
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**Tender Schedule - 3**  
**Orthopaedic Department**

S.No	Name of the equipment	Specification/Make	Qty
1	HOPKIN@ wide Angles Telescope 25 degree angle	Angle d eyepiece, outer dia 6.6mm & length 18cm	1
2	Operating sheath distal 45 degree oblique	Dia 7.5mm, inner dia 6.8, length 17cm, colour mode red	1
3	Dilation sleeve	Dia 6.5mm, inner dia 1.4mm, length 22 cm	1
4	Punch Sleeve for use with operating sheaths		1
5	CLICKLINE outer sheath with palpation	Dai 3.5mm, lenth 36cm, Luer lock irrigation connector for cleaning	1
6	Bipolar Caogulating Electrocode, working	Length 38 cm, size 3.0 mm	1
7	Bipolar High frequency cord, length 300 cm pin distance on the unit side 28,58mm		1
8	CLICKLINE metal Handle rotaing, without without ratchet with larger contract area at the finger ring		1
9	CLICKLINE outer sheath with working insert, curette inert, blendable to 90 degrees lateral cutting left	Cleaning size 3.5mm, length 36 cm, handles 33131P	1
10	Punch, Bendable, single action jaws, diameter 3.5 mm working length 3.6 cm		1
11	Grasping forceps, blendable, single action jaws	Dia 3.5mm, working length 36 cm colour code red blue	1
12	Plastic container for sterilizing and storage perforated with transparent lid with inserts for two angled rigid telescopes	(w*d*h) 515*240*84 mm	1
13	Plastic Container for sterilizing and storage perforated with lid two level storage	(w*d*h) 585 * 525 * 145 mm	1
14	Plastic container for sterilization and storage of variable instrument sets perforated, with transparent lid with silicone mat two level storage	(w*d*h) 545*60*115 mm	1
15	CLICKLINE metal handle rotating without ratchet, with larger contract area at the finger ring without connector pin for unipolar coagulation		1
16	CLICKLINE outer sheath with working insert with working curette insert lendable to 90 degree lateral cutting	Size 3.5mm, length 36 cm handles 33161 or 33131 P	1

  
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**Tender Schedule - 4**  
**Plastic Surgery Department**

S.No	Name of the equipment	Specification/Make	Qty
1	LIPOSUCTION MACHINE		1
2	KOREAN MICROMOTOR MARATHON WITH MARATHON HAND PIECE STRAIGHT		1 SET
3	ROUND WHEEL COARSE		1
4	CYLINDRCAL COARSE- MEDIUM		1
5	CYLINDRCAL COARSE- LARGE		1
6	PEARS COARSE		1
7	FRUSTRUM		1
8	FLAME CHRISTMAS TREE COARSE		1
9	DOVE/COARSE		1
10	BULLET		1
11	LUBRICATION OIL		1
12	LIGATING CLIP APPLICATOR no 100 & 200	HORIZON	2
13	MANUAL LOAD LIGHTING CLIP APPLICATOR	WECK	1
14	LOOP 400MM	DVI PANORAMI	1
15	ELECTRONIC DERMATOMES	ZIMMER	1
16	SKIN GRAFTING MESSHER DIRECT LOADING	CHADDA SURGICALS	1
17	UV FL TRAP	PEST O FLASH	4
18	LUMINOUS RETRACTOR WITH FIBEROPTIC LIGHT	AUFRIGHT	2
19	MINI DOP DOPPLER(HAND HELD)	HADECO	1
20	CENTRIFUGE	REMI NEYA 4	1
21	PNEUMATIC TOURNIQUET	AMT 500	1
22	PATIENT WARMER		4
23	TABLE LAMP		4
24	K WIRE DRILL		1
25	NERVE STIMULATOR	GEMI TENS 04	1
26	KLS MARTIN MICROMOTOR	CHAMP 3	1
27	PODOSCAN	VOXEL CARE	1
28	2.0/2.3 MANDIBLE SET		1
29	1.7 MID FACE		1

  
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**Tender Schedule - 5**  
**Neuro Surgery Department**

S.No	Name of the equipment	Specification/Make	Qty
1	BIPOLAR		1
2	Head Fixating System	(Mayfield/Sugita)	1
3	Cranial Endoscope		1
4	MEDTRONIC NAVIGATION SEATHER STATION S8 SPHERS (GLYONS)		1
5	MEDTRONIC SEATHER STATION - S8		
	A)NAVIGATION BIOPSY NEEDLE		1
	B)BIOPSY SET ( NAVIGATION SYSTEM)		1

  
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