

Tender Notification No:	To be generated automatically by the E-procurement portal of the
	Govt. of Punjab.
Nature of work:	e- tender notice for supply and installation of Laparscopy set &
	Upper GI Scope for ACI, Bathinda
Cost of the tender document:-	Rs590 /- (500/- + GST) (through online mode only)
	{Non refundable, under any circumstances}.
Tender Processing fee:-	To be charged by Govt. of Punjab as per its norms. (Non-
	refundable).
EMD Amount:	Rs.2,00,000/- only (Rupees Two Lac only)
	In the shape of online payment.
	{Refundable to the Non-successful bidders, without any type of
	interest or other charges}.
	However, It will be converted in Performance security in case of
	successful tenderer and will be returned after successful completion of
	the Guarantee/Warrantee period.
	It should be clearly noted that no bidder will be allowed any type of
	exemption from the deposit of the EMD under any circumstances.
Performance Security	The Earnest Money Deposit deposited by the successful bidder will be
	converted against the performance security and will be returned after the
	completion of rate contract period.
Date of start of downloading of	immediate from the website of the Punjab Government i.e.
tender documents:-	https://eproc.punjab.gov.in
Website for downloading of the	From the above website
tender document:-	However, the details may also be obtained from the University
	website i.e. <u>www.bfuhs.ac.in</u>
Last date for downloading of the	10.02.2021 up to 12.30 pm
tender document:-	
Last date & Time for submission	10.02.2021 up to 1.30 pm
of the tender documents:-	(through online mode only)
Date of opening of the Tender	By the next day from the last date of submission of tenders (by
documents (Technical Bids)	5:00 p.m.)
	on the e- procurement portal of the Govt. of Punjab.



	However the bidder or their authorized agents representative may			
	attend the tender opening process at the University Procurement &			
	Facility Department, Baba Farid University of Health Sciences,			
	Faridkot	on the prescribed t	ime and date.	
Date of Opening of the tender documents (Financial Bids)	The opening date of financial bids of the technically qualified bidders will be informed on the university web site.  on the e- procurement portal of the Govt. of Punjab.  However the bidder or their authorized agents representative may attend the tender opening process at the University Procurement & Facility Department, Baba Farid University of Health Sciences,			
	Faridkot	on the prescribed t	ime and date.	
Address for the submission:	The Regi	strar,		
	Baba Fai	rid University of He	ealth Sciences,	
	Sadiq Ro	ad, Faridkot (Punj	ab) PIN-151203.	
Who can be contacted for	<u>Sr.</u>	Nature of	Name of the concerned Official with	
obtaining more information about	No.	<u>Information</u>	contact No:-	
the tender.	1	About the tenders	Incharge,	
		and allied	University Procurement & Facility	
		information:-	Department, Baba Farid University of	
	Health Sciences, Faridkot.			
	Phone:- 01639-250267, 256232,			
	256236,			
	Email id:- upfdbfuhs@gmail.com			
			(on all working days from 9.00 a.m. to	
			5.00 p.m.)	



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

### **SCOPE OF SUPPLY**

E-tenders are invited from Manufacturers / Sole agent/ Authorized distributors/
Authoroized dealers for supply and installation of the Laparscopy set & Upper GI Scope for ACI,
Bathinda.

### Name of item and specification enclosed as annexure-A

### Note:-

- A) The L1 Bidder may be called for negotiation by the University (if required).
- B) The GST will be paid extra as per the norms of the Govt. so bidders are advised to quote their basic rates inclusive of all charges such as installation, FOR, carriage octroi or other type of charges but the GST will be paid extra.
- C) Quantity may increase or decrease.
- D) GUARANTEE / WARRANTY SHOULD BE CLEARLY MENTIONED.
- E) Physical Demonstration of Instruments at ACI, Bathida, if need be, will be provided by all the bidders at their own expenses.
- F) Product Quality Certificate must be uploaded.



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

### INSTRUCTIONS/ GUIDELINES TO THE TENDERERS

- Please download the Tender document from the website of the e-procurement of the Govt. of Punjab. Please sign on all the pages of the tender document along with a stamp/ seal. Then a scanned copy of the same may be uploaded on the website at the time of submission of the tender document.
- upload an affidavit regarding Non-Black listing as per proforma given at (Annexure-II) on Non-Judicial Papers of appropriate value, duly attested by an <a href="Executive Magistrate">Executive Magistrate</a> or a <a href="Notary Public">Notary Public</a> may also be uploaded on the website. The original document must be submitted in the university before the last date
- 3. upload Technical Bid Proforma (Annexure-III).
- 4. upload a signed copy of the terms and conditions (Annexure-IV).
- 5. Detail of Bank Account for refund of EMD (Annexure V)
- 6. In addition to this, following documents are to be attached with Technical Bid:
  - i) Tender Fee: The tender document fee of Rs.590/- (500/- + GST) only may be submitted through online mode only. The Tender document fee will not be accepted through any other mode. It is pertinent to mention here that the Tender document fee once deposited will be Non- refundable under any circumstances.
  - Earnest Money Deposit (EMD) of Rs.2,00,000/- only (Rupees Two Lac Only). The

    Earnest Money Deposit must be submitted in the shape of Online Payment. No firm

    will be provided any type of exemption from the deposit of tender document fee or

    earnest money deposit under any circumstances.
  - iii) Details of registration as Company / Shop / Establishment. The supporting document should be uploaded on the e-procurement website of the Govt. of Punjab along with the tender document.
  - iv) Copy of Certificate of Registration for service Tax/TIN/TAN/PAN/VAT/GST (as applicable). The supporting document should be uploaded on the e-procurement website of the Govt. of Punjab along with the tender document.
    - a. Attach a signed copy of the Acceptance of Tender/ Conditions Forms (Annexure-VI). The said copy must be signed and duly stamped. A scanned copy of the same may be uploaded on the e-procurement website of the Govt. of Punjab along with the tender document.
- 7. It is worth to mention here that the prices of the items demanded once quoted/finalized will remain same/unchanged for a period of contract.



- 8. It should be clearly noted that this tender will be accepted though e-tender mode only. The tenders submitted through offline mode will not be accepted under any circumstances.
- 9. The firm that will be declared L1 may be called for negotiation on their quoted rates.



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

Annexure-I

#### NOTICE INVITING TENDER

<u>E-tenders</u> are invited from <u>Manufacturers / Sole agents/ Authorized distributors/ Authorized dealers for</u> supply and installation of the following **Laparscopy set & Upper GI Scope for ACI, Bathinda** (detail of specification Annexure –A):

1. The L1 bidder may be called for Negotiation by the university (if required). The tender document containing detailed terms & conditions may be downloaded from the e-procurement website of the Punjab Government i.e. <a href="https://eproc.punjab.gov.in">https://eproc.punjab.gov.in</a> and its details may also be seen at the University website i.e. www.bfuhs.ac.in

### **TERMS AND CONDITIONS:-**

- 1. **Earnest Money Deposit (EMD)** of **Rs.2,00,000/-** (Rupees Two Lac Only). <u>The Earnest Money Deposit must be submitted *in the shape of Online Payment*.</u>
- 2. The tenders will be opened by the next day from the submission of tender by 5.00 PM, on the eprocurement portal of the Punjab Government in the presence of tenderer(s), who wish to be present in the said tender opening process. However, the individuals keen to attend the tender opening process should have an authorization certificate from the company.
- 3. The Price bid (Financial Bids) will be opened after the opening of Technical Bid. The Price Bid (Financial Bids) of the technical qualified bidders will be opened by the University.
- 4. The Registrar, Baba Farid University of Health Sciences, Faridkot reserves all rights to accept or reject any or all the tenders without assigning any reason.

Registrar



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

Annexure-II (To be furnished on non-judicial stamp papers worth Rs.30/- duly attested by Executive Magistrate or Notary Public). **AFFIDAVIT** I/We partner/sole proprietor (Strike which applicable) of (Name & Address of Firm) is not out do hereby declare and solemnly affirm:a) That the individual/firm/ companies are not debarred or black- listed by any department of Union/ State Government or any autonomous institute. b) That no partner or shareholder, directly or indirectly connected with the applicant has been debarred or blacklisted by any department of Union Govt./State Govt./Autonomous Institute. c) That the terms and conditions for "supply and properly installation of Laparscopy set & Upper GI Scope for ACI, Bathinda" are acceptable to me/us. I/We will abide by them in letter and spirit. d) That I will supply and install the required material within the stipulated delivery period of the tender document/ supply. Date: Place: **DEPONENT** VERIFICATION I/We do hereby solemnly declare and affirm that the above declarations are true and correct to the best of my/our knowledge and belief. No part of it is false and nothing has been concealed therein. Date:\_\_\_\_\_ Place: \_\_\_\_\_

DEPONENT



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

Annexure-III

### TECHNICAL BID

		TECHNICAL DID
1	Name of the applicant (tenderer/	
1	bidder).	
2	Constitutional status of the tenderer/ bidder.	
	i.e. Proprietor/ Partnership firm/ Pvt. Limited Company/ Public Limited Company/ Co-op Society etc.	
3	Address of the tenderer/ bidder	
4	Name of the Dealing Person :-	
6	Position of the dealing person in the tenderer firm/ company/ society:-	
7	E mail id:-	
8	Fax No:-	
9	Mobile No:-	



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

10	PAN Number		
11	GST No.		

### CHECK LIST DULY FILLED IN TO BE ATTACHED WITH THE TENDER

Sr. No.	Particulars	Remarks
1.	Copy of Tender Notice attached – Annexure – I (Duly signed and stamped Scanned copy uploaded on the e-procurement portal or not?)	Yes/No
2.	Whether an affidavit on the non-judicial stamp paper, duly attested by the Executive Magistrate/Notary, regarding non-black listing/ non-prosecution of firm has been submitted? – Annexure – II  (Scanned copy uploaded on the e-procurement portal or not?)  (The original document must be submitted in the university before the last date)	Yes/No
3.	Technical Bid Proforma attached – Annexure – III  (Scanned copy uploaded on the e-procurement portal or not?)	Yes/No
4.	Signed copy of terms & conditions attached – Annexure – IV (Scanned copy uploaded on the e-procurement portal or not?)	Yes/No
5.	Bank Details (Anenxure – V) for refund of EMD attached (Scanned copy uploaded on the e-procurement portal or not?)	Yes/No
6.	Signed copy of an acceptance of tender/ conditions (Anenxure – VI)  (Scanned copy uploaded on the e-procurement portal or not?)	Yes/No
7.	Whether the fee of Rs.590/- (500/-+ GST) on account of Tender Fee has been submitted through online mode or not?	Yes/No
8.	Whether an EMD of the appropriate value i.e. Earnest Money Deposit	Yes/No



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

	(EMD) of Rs.2,00,000/- (Rupees Two Lac Only) has been submitted	
	online in the favour of "The Registrar, Baba Farid University of Health	
	Sciences, Faridkot" and payable at "Faridkot"	
	Whether a soft copy of the same has been uploaded on the designated	
	website at the time of submission of the tender or not?	
9.	Whether each page of the tender document and other enclosures as well as	Yes/No
	cutting(s)/ overwriting(s) have been signed/ initialed by the tenderer and	
	also the forwarding letter duly signed by the authorized signatory, has been	
	submitted?	
	(Scanned copy uploaded on the e-procurement portal or not?)	
10.	Copy of Certificate of Registration for TIN/TAN/PAN/GST attached.	Yes/No
	(Scanned copy uploaded on the e-procurement portal or not?)	
11.	Whether a copy of Audited Balance Sheet of last three financial years have	Yes/ No
	been uploaded on the website along with technical bid or not?	
12.	Whether a copy of the Income tax return of last three financial years have	Yes/ No
	been uploaded on the website along with the technical bid or not?	

Note: Non compliance to any of the above conditions will render the offer/ tender to be rejected out-rightly and Price bid of the firm will not be opened.

Dated:	Signature
Place:	Name:
	Address:-
	Contract No:
	E-mail id:
	With Seal



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

Annexure-IV

### TERMS AND CONDTIONS

# E-TENDER DOCUMENT supply and installation of Laparscopy set & Upper GI Scope for ACI, Bathinda

- 1. The Manufacturers / Sole agents/ Authorized Distributors/ Authorized Dealer may quote their rates.
- 2. <u>Tenders will be submitted only through e-tendering mode. The tenders will not be submitted through any other mode, under any circumstances.</u>
- 3. Tenders without earnest money or short of it or not in the form specified above will not be entertained and shall be rejected straightway.
- 4. No tenderer shall be exempted from furnishing Earnest Money Deposit (EMD) under any circumstances. The Earnest money must be submitted in the shape of Online payments
- 5. Earnest Money/ Security Deposit and/or any other sum of the tenderer(s) lying with the Baba Farid University of Health Sciences, Faridkot or Guru Gobind Singh Medical College & Hospital, Faridkot in connection with any other tender/case shall not be considered against this tender.
- 6. The bids received after the specified date and time for receipt of bids will not be considered under any circumstance. Registrar, BFUHS, Faridkot shall not be responsible for any type of delay in submission of the e-tenders.
- 7. The rates once quoted will remain valid/ un-changed for a period of one year or the period that will be further extendable upto this period.
- 8. The tenderer will be responsible to ensure that the tender is properly uploaded and submitted within well in time. The Earnest Money Deposit must be submitted before the last date and time for opening of the technical bids.
- 9. Each page of the tender document should be signed in full by the tenderer(s) and should bear the rubber stamp/seal of the firm affixed/ scanned, if applicable, on each page. Any cutting(s)/overwriting(s) etc. should also be initialed. In case of any infringement of these conditions, the tender is liable to be rejected. A scanned copy of the complete tender document should be uploaded on the e-procurement portal of the Govt. of Punjab.
- 10. In the event of the date of receipt or opening of tender being declared a holiday for the Baba Farid University of Health Sciences, Faridkot, the last date of receipt/opening of the tender shall be the next working day at the same time and venue. The Price Bid shall be opened only in respect of those individual/ firms, who technically qualify.
- 11. Any conditional, telegraphic tenders, fax tenders, tenders without earnest money, and not in the prescribed form or in any deviation from the terms and conditions of the tender notice shall not be entertained and will be rejected out rightly.
- 12. The tenderer(s) shall be at liberty to be present, in person or through their authorized representative(s) at the time of opening of the tender as specified in the Tender Notice. In case the authorized representatives are to be present, they must furnish the authority letter from the tenderer, on whose behalf they are representing otherwise they will not be allowed to participate in the process of opening of tender. THE E-TENDER WILL BE OPENED IN THE UNIVERSITY PROCUREMENT & FACILITY DEPARTMENT OF THE UNIVERSITY.
- 13. In case of violation of any of the terms and conditions as mentioned above, Earnest Money/ Security Deposit of the successful tenderer(s) shall be forfeited and the tender shall be cancelled.
- 14. Any attempt, direct or indirect, to cast influence, negotiate on the part of the tenderer with the official/authority to whom he will submit the tender or the tender accepting official/ authority before the finalization of tenders will render the tender liable for rejection.



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

- 15. The rates quoted should be F.O.R. destination i.e. Advanced Cancer Institute, Bathinda and should also include packing and forwarding charges, taxes and other levies.
- 16. The Registrar reserves all the rights to accept or reject any tender without assigning any reason and also to impose/relax any term and condition of the tender.

### 17. CRITERIA OF EVALUATION OF PRICE BID

18. The Price Bids of technically qualified bidders shall be evaluated on the basis of <u>lowest bid criteria</u> without compromising on the quality of material. Rates of all types of taxes as applicable should be quoted clearly.

### 19. SECURITY DEPOSIT:

- i) The EMD of Rs.2,00,000/- only (Rupees Two Lac Only) submitted with the Tender considered as Security Deposit.
- ii) The above said amount of the security deposit of successful bidder will be retained by the University and will be refunded after completion Guarantee/warrantee period.
- iii) The Earnest Money Deposit will be refunded to the unsuccessful bidders within 6 months without any type of interest.

#### 20. **PAYMENT TERMS**

The Payment of bills will be paid after receipt and inspection/verification and installation of the material through Account Payee Cheques/ NEFT/RTGS, in the favour of the seller/ dealer only. The payment will not be made to any third party under any circumstances.

### 21. PENALTY CLAUSE

- A time period of 30 days will be given by the University to supply the material, depending upon the nature of item.
- If the supply is not made within the stipulated period then late delivery charges @2% will be imposed on the total amount of Supply Order up to delay of 30 days and thereafter @ 4% for another 30 days after which Supply Order/Rate Contract will be deemed cancelled & security/earnest money forfeited and company will be black-listed for future. However, the University can grant 15 days relaxation in the delivery period, based on the written request of the tenderer, if the University observes that the tenderer has valid reasons for non- supply of material within the stipulated time/ period.
  - a. If the Successful bidder refuses or does not respond to the instruction/orders with in stipulated period, the EMD shall be forfeited and order may stand cancelled.
  - b. If the firm refused to execute the orders fully or partially, the security amount shall be forfeited and supply order may stand cancelled.

### 11. **ARBITRATION**

- i) In the event of any dispute or differences arising between the parties with regard to the terms and conditions of the agreement/contract and/or with regard to the breach or interpretation thereof including all rights and liabilities there under on any matter whatsoever touching upon the terms and conditions of the agreement/contract whether in course of or after its termination the parties will settle the same at the first instance by mutual discussions/conciliation which would be conducted by the Incharge, University Procurement & Facility Department, Baba Farid University of Health Sciences, Faridkot.
- ii) In the event the said mutual discussions/conciliation fails, the aggrieved party shall initiate arbitration proceedings for resolution of differences/disputes etc., mentioned above by appointing a sole arbitrator, who shall be the Registrar, BFUHS, Faridkot in



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

which event the said proceeding shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act enforce.

- iii) The venue of such arbitration proceeding shall be at Faridkot and the court in Faridkot alone will have jurisdiction in respect of all proceedings connected there with.
- **22. Jurisdiction** All disputes are subject to the jurisdiction of courts at Faridkot only.

Dated: Place:	Signature Name:
	Address:
	Contract No:
	E-mail id:
	With Seal
Accepted  Dated:	Signature
Place:	Name:
	Address:-
	Address:  Contract No:



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

Annexure- V Details about Bank Account of the firm who has deposited EMD Name of the firm: M/s \_\_\_\_\_ Detail Sr. No. **Particulars** Account No. 2. Name of Bank 3. Branch Name 4. IFSC Code of Bank Name of Operator 5. Dated:-\_\_\_\_\_. Signature\_\_\_\_\_ Place:-\_\_\_\_\_. Name:-\_\_\_\_ Address:- \_\_\_\_\_ Contract No:-\_\_\_\_ E-mail id:-\_\_\_\_

With Seal



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

	For ACI, Bathinda
	Annexure- V TENDER/CONDITIONS ACCEPTANCE LETTER
	Date:
To	
	The Registrar Baba Farid University of Health Science, Sadiq Road, Faridkot.
Subject:	Acceptance of Terms & Conditions of Tender.
Dear Sir,	
designated webs: 2. I / We hereb (including all do and I / we shall a 3. The corrigen- consideration, whereby 4. I / We hereby	ownloaded the tender document(s) for the above mentioned 'Tender/Work' from the te.  y certify that I / we have read entire terms and conditions of the tender documents cuments like annexure(s), schedule(s), etc.), which form part of the contract agreement bide hereby the terms / conditions / clauses contained therein.  dum(s) issued from time to time by your organization too has also been taken into the submitting this acceptance letter.  unconditionally accept the tender conditions of above mentioned tender document(s) is its totality / entirely.
this tender/bid in	rovisions of this tender are found violated, your organization shall be at liberty to rejectly cluding the forfeiture of the full said earnest money deposit absolutely and we shall not ght against organization in satisfaction of this condition.
	Yours Faithfully
	Signatures :-
	Name:

Address: - \_\_\_\_\_

Contact No:-



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

### Financial Bid

Must be uploaded on the e-procurement portal

The Basic prices must be quoted in the bid and the GST will be paid extra, on the basic prices as per the Govt. norms



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

Annexure-A

Sr. No:	Item	Technical Specification
01	LAPAROSC OPIC	1. 3 Chip CMOS 4k CAMERA SYSTEM(with Fluorescence)
	SET	<ul> <li>The system should be Digital endoscopic video camera with progressive scan to guarantee genuine 4K.</li> <li>Resolution of 3840 X 2160 pixels and 1920 x 1080 should also be</li> </ul>
		selectable.
		<ul> <li>Should provide both 4K output and Full HD output.</li> <li>Full 4K High Definition Video Image processor should have excellent image quality with progressive scan with 50 or 60Hz, which offers higher picture quality &amp; eliminates virtually all motion artifacts.</li> </ul>
		<ul> <li>Should be ICG compatible for fluorescence.</li> </ul>
		<ul> <li>Control of ICG fluorescent viewing from the camera head.</li> <li>System should be capable of Near Infrared Fluorescence Imaging with below features:</li> </ul>
		<ul><li>a) White Light Image with super imposed display of fluorescence.</li><li>b) Fluorescence signal in white light image with dark color background.</li></ul>
		c) Automatic adjustment of light intensity to prevent the issues of glare. d)Controllable feature of increasing or decreasing fluorescence
		gain and intensity.
		<ul> <li>Programmable buttons on camera head to adjust the cavity backlighting and intensity of ICG.</li> </ul>
		<ul> <li>Integrated gain/shutter/enhancement with automatic brightness control</li> </ul>
		• Automatic identification and brightening of dark image areas without lag time, without increasing foreground glare. Automatic intensification of color contrast levels.
		Should have AE (Automatic Exposure)/Autolight
		<ul> <li>Should provide at least 7 or more user preset</li> </ul>
		• Pixels: 3840 X 2160 & 1920 x 1080 pixels, both should be selectable
		Video Output: All port should be 4K and HD compatible
		• Pixels 3840 X 2160 Pixels
		<ul> <li>AGC: Microprocessor controlled</li> <li>Lens:Digital Zoom Lens, f = 15-24mm</li> </ul>
		<ul> <li>Color Gamut 4K/UHD</li> </ul>



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

- Control Button: Should have 4buttons with at least 3 of them freely programmable
- Input: Keyboard / Touch Screen input for character generator
- Power Supply: 200-240 VAC 50/60 Hz
- Certified to IEC 601-1, 601-2-18, CSA 22.2 No. 601, UL 2601 and CE according to MDD, protection class 1/cf defib

### 2. Digital CO2 Insufflator

- Should be fully automatic electronic insufflator,
- Maximum Flow rate should be 45 ltr. /min or more.
- Should have 3 Digital Displays for flow rate, Pneumoperitoneum pressure and volume of gas consumed.
- Should have insufflation pressure of 0-30mm Hg.
- Should have facilities of audio and visual CO2 cylinder gas status and over pressure alarm.
- Integrated Gas heating
- 2 sets of disposable tubing's (1 meter or longer) and connectors for gas cylinder and central gas supply with wrenches/ devices essential to make the connections

### 3. 4k Compatible Telescope -10mm, $30^{\circ} - 2$ nos.

- Should have Wide angled field of vision.
- Should have 3 types of adaptors for fiber optic cable.
- Should have working length of 310mm or more.
- Should be ICG compatible for fluorescence.
- Should be Autoclavable.

### 4. 4k Compatible Telescope -10mm, $0^{\circ} - 1$ no.

- Should have Wide angled field of vision.
- Should have 3 types of adaptors for fiber optic cable.
- Should have working length of 310mm or more.
- Should be ICG compatible for fluorescence.
- Should be Autoclavable.

### 5. 4k Compatible Telescope – 5mm, $0^{\circ}$ – 1 no.

- Should have Wide angled field of vision.
- Should have 3 types of adaptors for fiber optic cable.
- Should have working length of 310 mm or more
- Should be ICG compatible for fluorescence.
- Should be Autoclavable.

### 6. 4k Compatible Telescope – 5mm, $30^{\circ}$ – 1 no.



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

- Should have Wide angled field of vision.
- Should have 3 types of adaptors for fiber optic cable.
- Should have working length of 310mm or more
- Should be ICG compatible for fluorescence.
- Should be Autoclavable.

### 7. Fiber Optic Cable

Length should be 300mm or more

### 8. LED Light Source

- Red, Green & Blue LED based cold light source
- Color temperature should be approximate 5500K or more.
- Should be ICG compatible for fluorescence.
- System should be capable of Near Infrared Fluorescence Imaging with below features:
  - a) White Light Image with super imposed display of fluorescence.
  - b) Fluorescence signal in white light image with dark color background.
  - c) Automatic adjustment of light intensity to prevent the issues of glare.
  - d) Should have facility to use Infra-Red Illuminating Optical Fibers for Ureter Identification.
- Should have Lamp life approximate 2000 hours or more.
- Universal socket to accept Fiber Optic Cable of any make
- Lumens: 1700 and above (illumination index)
- Power supply should be 85-260VAC, 50-60 Hz.
- Should have Universal socket to accept Fiber Optic Cable of any make.
- Digital display for intensity and lamp life of hour lamp consumed
- Power consumption should not be more than 375 VA
- Should be under BF Class 1

### 9.32" or more 4k (UHD) Medical Grade Monitor (No. 2)

- Ultra High Definition (HD) of 31" or wider screen.
- Resolution of 3840 x2160 &1920X1200
- Medical imaging systems for Minimally Invasive Surgical (MIS) and interventional procedures.
- Fully compatible with OR video control applications.
- Surgeon specific user selectable settings.
- Color Depth 8 bit
- Aspect ratio 16:10 / 16:9
- Max observation angle: 178-degree vertical horizontal



		<ul> <li>Inputs: 2xHDMI/Compatible for 4k transmission</li> <li>Should have Class-I Medical Device Certification.</li> <li>IEC 601.1 &amp; ISO, CE Approved</li> </ul>		
		10. ENDOSCOPIC TROLLY		
		<ul> <li>Endoscopic trolley compatible with the above system having basic electrics to connect</li> </ul>		
		<ul> <li>Up to 12 electrical units with concealed internal cabling. Mains voltage -230 volts with ISO/ USFDA certification</li> </ul>		
		main switch and isolating transformer		
02	UHD/4K	UHD/4K Video recorder (01)		
	Video	Capability of receiving signals and recording video from UHD		
	Recorder	endoscopic cameras, digital x-ray units and ultrasound machines.		
		<ul> <li>Ability to transfer captured still and video images to external media using USB.</li> </ul>		
		Camera Head Triggering Control from existing UHD Camera buttons.		
		• Internal recording hard drive should be 1 TB or more.		
		<ul> <li>Video input should be HDMI &amp; DICOM connectivity and Video output 2xHDMI, 4K SDI and FHD SDI.</li> </ul>		
		<ul> <li>Capability for simultaneous recording on external device through USB interface on front panel.</li> </ul>		
		• Front panels should have touch screen 7" or more and should display recording status.		
		Device should be registered as safe for medical grade		
		Should be USFDA & European CE approved.		



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

### Tender Specifications of Video Endoscope system

#### 1) Video Processor (Full HD):

- a) Should be compatible with digital O/p and should have dedicated HD-SDI and DVI outputs with 16:9 & 16:10 output for a HD monitor. No adapater/convertor will be accepted
- b) Should contain the electronics for clear visibility of near & far objects
  - i. Equipped with high resolution HD imaging capacity.
  - ii. Compact, light weight and ergonomically designed
  - Should have real time optical chrome endoscopy imaging such as NBI / BLI / Optical enhancement or equivalent. Digital enhancement without real time optical enhancement will not be accepted.
  - iv. Should have dual/close focus capacity for providing detailed mucosal study.
  - v. Should have Picture-in-Picture (PIP) / Picture-out-Picture (POP) function.
  - Recording of both still and moving images equiped with one touch connection of scopes.
  - vii. Automatic IRIS control & white balance
  - viii. Digital zoom upto 1.5x or more.
  - ix. Equiped with memory back up for settings.
  - x. Should have pre freeze function for image stabilization
  - xi. Should be compatible with Endoscopic Ultrasound for future upgradation

#### 2) Light Source:

- a) Xenon short arc Ozone free 300 Watt lamp
- b) Real time optical chrome endoscopy imaging such as NBI / BLI / Optical enhancement or equivalent real time technology. Digital enhancement of images without real time optical enhancement will not be accepted.
- c) 300W Xenon light source with necessary lamp back up; One xenon spare lamps to be supplied along with the machine in case of Xenon light source.
- d) Compatible for waterproof one touch connector; Backlit front panel indicators.
- Equipped with automatic light adjustment forced aircooling, regulated airfeeding pump and fan with low noise.
- f) The system should be compatible with Endoscopic Ultrasound for future upgradation
- g) The endoscope system must be suitable for high resolution, high magnification images of GI tract with ability to detect early cancers and pre- neoplastic lesions by optical enhancement of images.
- h) System must have the facility to provide images with optical chromoendoscopy



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998) University Procurement & Facility Department E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope For ACI, Bathinda

### 3) Gastrovideoscope (Qty 1):

- a) Built in High definition compatible CCD
- b) Should have real time optical chrome endoscopy imaging such as NBI / BLI / OE-iScan or equivalent real time technology. Digital enhancement of images without real time optical enhancement will not be accepted.
- c) Should have near/close focus capacity for providing detailed mucosal study.
- d) Fully immerssible in disinfectant solution.
- e) In built scope identification memory chip for monitor display of scope's model no., serial no., white balancing memory, no. of connections/cummulative uses etc.
  - Should have dedicated auxiliary water jet for mucosal dissection
  - Field of view

: 140 degree or more

- Direction of view : Forward viewing
  Depth of field : 2-100mm III
- : 2-100mm or better
- Distal end outer diameter
- : 10 mm or less
- Insertion tube outer diameter
- : 10 mm or less
- Tip Bending/angulation range
- : Down 90° or more and Left & Right 100° or

- more.
- viii. Working length
- : 1050 mm or more
- Channel inner diameter
- : 2.8 mm or more
- Minimum visible distance of instrument used thru channel: 3 mm or closer from distal end.

#### f) Accessories:

- 1) Biopsy forcpes & Graspsing forceps: 2 number
- 2) EST needles: 5 numbers
- 3) Biopsy channel rubber valves -50 pieces

### 4) Colonovideoscope (Qty 1):

- a) Built in HD compatible CCD
- b) Should have real time optical chrome endoscopy imaging such as NBI / BLI / OE-iScan or equivalent real time technology. Digital enhancement of images without real time optical enhancement will not be accepted.
- g) Should have near/close focus capacity for providing detailed mucosal study.
- c) capacity for providing detailed mucosal study.
- d) Inbuilt features like variable/gradual stiffness, high force transmission and passive/adaptive bending for ease of insertion.
- e) Fully immerssible in disinfectant solution
- f) In built scope identification memory chip for monitor display of scope's model no., serial no., white balancing memory, no. of connections/cummulative uses etc.
- g) Auxiliary water jet for mucosal dissection



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998) University Procurement & Facility Department E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope For ACI, Bathinda

Field of view

: 140 deg or more

ii. Direction of view iii. Depth of field

: 0 degree, forward viewing

iv. Distal end outer diameter : 13.2 mm or less

: 2 - 100mm or better

v. Insertion tube outer diameter: 12.8 mm or less

vi.

Bending range : Up & Dn 180°, Lt & Rt 160°

Working length vii.

: 1680 mm or more

viii. Channel inner diameter

: 3.7 mm or more

#### Accessories:

- 1) Biopsy forcpes 2 numbers
- 2) EST needles: 5 number
- 5) Adult side viewing endoscope (Qty 1): should be equipped with real time real time optical chrome endoscopy imaging such as NBI/OE or equivalent. Digital enhancement of images without real time optical enhancement will not be accepted;
  - a) Biopsy channel rubbe Dual locking (Central & Side) mechanism for Guidewires (Optional).
  - b) It should have disposable elevator cap
  - c) Should have real time optical chrome endoscopy imaging such as NBI/OE or equivalent
  - d) Fully immerssible in disinfectant solution
  - e) Field of view: 100 degree or more
  - f) Direction of view: 10 15 degree, backward oblique viewing
  - g) Depth of field: 5 to 60 mm or better
  - h) Distal end outer diameter: 13.7 mm or less
  - i) Insertion tube outer diameter: 11.3 mm or less
  - j) Working length: 1250 mm or more
  - k) Tip Bending rage: Up 120deg, Dn & Lt 90deg, Rt 110deg
  - I) Channel inner diameter: 4.2 mm or more

### 6) High Definition LED backlit monitor:

- a) Full high definition "Medical Grade" LED backlit 26" or more monitor (1 no.) with high resolution 1920 x 1080p. Should have valid certifications.
- b) Lower power consumption
- c) Aspect ratio 16:9 & 16:10 with output of (1080/60I:NTSC) (1080/50I:PAL) with HD O/P
- d) Should have Picture-in-Picture and Picture-out-Picture for viewing side-by-side split screen images.
- e) Quoted monitor should be either from same make (OEM) or it should be from repute make having Global tie up with the company of scopes.
- f) Endoscope manufacturer should submit letter/undertaking( from OEM) for International global tie up with the make of monitor quoted in the tender.



(Established by Govt. of Punjab vide Punjab Act No 18 of 1998)

University Procurement & Facility Department

E-TENDER NOTICE FOR PROCUREMENT OF Laparscopy Set & Upper GI Scope
For ACI, Bathinda

#### 7) Trolley

- a) Ergonomic original make imported movable trolley to carry complete equipment.
- b) Able to mount all equipment and should have facilty to mount monitor and scope holder.
- video Endoscopy workstation/trolley with space for accommodation of a HD monitor (26" or more in size), HD video processor and light
- g) Stand alone CO2 Insufflator with Irrigation unit either from same make (OEM) or it should be from repute make having Global tie up with the company of scopes and should cover 5 years of warrenty period
  - a) Should have one touch button for ON/OFF operation, pressure display and timer fucntion to automatic CO2 insuflation shut off
  - b) Should have compact design to easily fit in endoscopic workstation
  - c) Should have 3 or more flow rate control settings
  - d) Should have air feeding
- 8) Software with Computer System with Antivirus & Printer
- a) Medical grade software for report generation and recording and editing of images and videos should be provided
- b) Should be supplied with antivirus software
- Advanced computer system i5 or more with at 4 GB RAM and 1 TB internal storage desktop with UPS for back up of at least 30 minutes
- d) Laser colour printer with the unit for report generation purpose
- e) Along with separate constant voltage stabilizer.
- f) 2KVA UPS with 30 minutes backup to be quoted
- 9) Scope Hanger and scope hanging Almihrah to be provided

#### Key points:

- a) The offered equipment's should have brand name / Model Number embossed / etched on the equipment of the OEM with mandatory after sales service with a dedicated trained service engineers / service representatives team of OEM Principal company.
- b) All System Should be latest version & and same series of High End.
- All scopes and endoscopy system should be covered under 5 years warranty and followed by 5 years of CMC
- d) Demonstration of quoted model for technical evaluation and acceptability



