

JIWAJI UNIVERSITY, GWALIOR

No. JU/ZOOL/2017-18/1570 / 1/6/17

Date 31.05.17

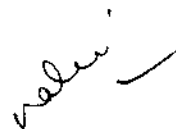
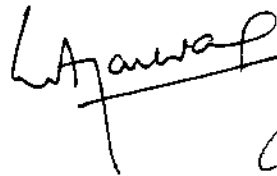
ONLINE e-TENDER NOTICE

Online tenders are invited in e-procurement system through www.mpeproc.gov.in from Manufacturer / Authorised distributor only, for supply of equipments.


Tender document containing terms, condition & specification of the items can be downloaded from the e-procurement website www.mpeproc.gov.in by paying Rs. 5000.00 online tender can also be seen at Universities website www.jiwaji.edu

Terms:

1. Online tender can be purchased up to 5.00PM till 05.07.2017
2. Online price bid can be submitted up to 5.00PM till 06.07.2017
3. Earnest money (EMD) and other documents can be submitted at Jiwaji University Stores through Speed Post / Regd Post up to 5.00PM till 08.07.2017
4. Online bid will be opened on 10.07.2017
5. All terms and conditions of the tender can be seen on above websites
6. Registrar Jiwaji University Gwalior reserve right to accept / reject / cancel any tender without stating any reason




REGISTRAR


Jiwaji University
Gwalior (M.P.)

जीवाजी विश्वविद्यालय, ग्वालियर

क्रमांक - JU/ZOOL/2017-18/1570/1/6/17

दिनांक - 31.05.2017

ऑनलाइन e निविदा आमंत्रण

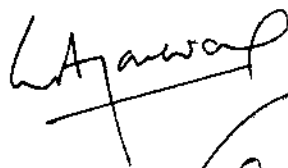
उपकरण खरीदने के लिए केवल निर्माता / अधिकृत विक्रेता से एम् पी इ-प्रोक्योरमेंट सिस्टम के तहत निविदा आमंत्रित की जाती हैं जो की www.mpeproc.gov.in से डाउनलोड की जा सकती है, इसके अतिरिक्त विश्वविद्यालय की वेबसाइट www.jiwaji.edu पर भी देखी जा सकती है

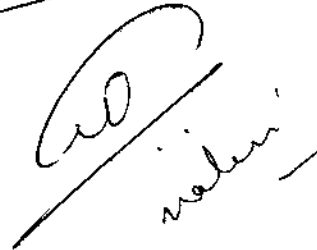
निविदा प्रपत्र समस्त टर्म्स कंडीशन्स एवं तकनीकी विवरण सहित इ-प्रोक्योरमेंट वेबसाइट पर Rs. 5000.00 की ऑनलाइन टेंडर फीस जमा करने पर डाउनलोड की जा सकती है

टीप

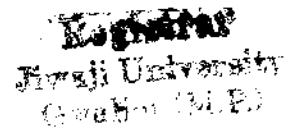
1. ऑनलाइन निविदा प्रपत्र क्रय करने की अंतिम तिथि 05.07.2017 सायं 5.00 बजे तक है
2. ऑनलाइन बिड डालने का दिनांक 06.07.2017 सायं 5.00 बजे तक है
3. धरोहर राशि एवं अन्य दस्तावेज स्पीड पोस्ट /पंजीकृत पत्र के द्वारा जीवाजी विश्वविद्यालय स्टोर में 08.07.2017 सायं 5.00 बजे तक प्राप्त की जाएगी
4. ऑनलाइन बिड खुलने का दिनांक 10.07.2017 निर्धारित है
5. निविदा के शेष समस्त जानकारी उपरोक्त दर्शायी गयी वेबसाइट्स पर देखी जा सकती है
6. कुलसचिव जीवाजी विश्वविद्यालय को बिना कोई कारण बताये निविदा स्वीकृत / अस्वीकृत / रद्दीकरण करने का अधिकार होगा








कुलसचिव


Jiwaji University
Gwalior (M.P.)

Tender Form for supply of Instruments

SOS In Zoology, Jiwaji University, Gwalior 474011

Tender Form No. JU/Zool/2017-18/

Name of work: *Supply of Laser Scanning Confocal Microscope*

Last date for purchase of online Tenders : 05.07.2017 up to 5.00p.m.
through www.mpeproc.gov.in

Last date for receiving online Tenders (Price bid) : 06.07.2017 up to 5.00p.m.

Last date for receiving EMD, Technical bid And other document : 08.07.2017 up to 5.00p.m.

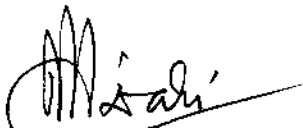
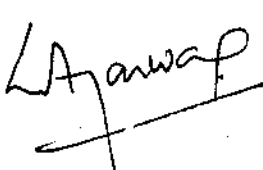

Tender Cost : Rs. 5000/-

Earnest Money Deposit (EMD) : Rs. 3,00,000.00

E-Tenders are invited from Reputed Manufacturers or their Authorized Representatives for the supply of Instruments specification as mentioned in the enclosed list. Tenders will be considered subject to the following terms and conditions.

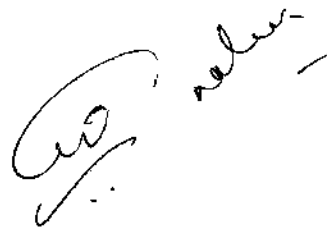
- 1) All tenders must be accompanied by a Bank draft against EMD (as applicable) drawn in favor of Registrar, Jiwaji University, Gwalior for an amount mentioned above. Tenders received without earnest money will be liable to be rejected and may not be considered.
- 2) The tender document containing terms, conditions & specifications of the items can be downloaded from the MP Government e-procurement website www.mpeproc.gov.in by paying Rs. 5000/- online tenders can also be seen at Universities website www.jiwaji.edu.
- 3) The bidder should agree to submit a DD from a Nationalized Bank for up to 10% of the equipment, and should have validity for the entire Warranty Period.
- 4) The bidder should agree to execute an agreement for proper supply, installation and satisfactory working of the equipment exactly to the specifications mentioned.

Signature of the Bidder with seal

- 5) The rates quoted should be FOR Gwalior. The prices should be exclusive of (without including) CST/VAT and other charges. However, the exact details of taxes should be given separately.
- 6) Being an Educational Institution, the University is entitled to issue concessional Sales Tax Certificate. No other sales tax form is issued. If concessional sales tax certificate is not acceptable to the supplier, the actual rate of sales tax to be charged must be clearly mentioned.
- 7) This institution is exempted from payment of Central Excise duty in terms of Govt. Notification No. 1097-Central Excise dated 01/03/1997 and modifications thereafter Copy of necessary certificate will be provided by the University.
- 8) For imported equipments: The institution is registered with Department of Science and Industrial Research (DSIR) Govt. of India vide Government Notification No. TU/V/RG-CDE(56)/2009, dated 26.11.2009 and is exempted from payment of custom duty.
(Necessary certificate copy shall be provided by the University. The bidder shall be responsible for getting the consignment cleared and deliver the goods. The expenses on the same must be included in the cost of the equipment)
- 9) The transportation up to Jiwaji University should be undertaken by the supplier and prices should be included in the bid. All relevant documents shall be provided by the University
- 10) The manufacturer's name, their trademark and brand should invariably be mentioned in the tender and illustrated leaflets giving technical particulars/ details etc. should be attached with the quotation to facilitate consideration of the offer.
- 11) The Bidder should quote their best willing price which should be valid for the period of 120 days from the due date of tender.
- 12) The period of delivery of the equipment should be quoted.
- 13) The tender should avoid the use of vague terms such as "extra as applicable".
- 14) Printed conditions on the back of the offer submitted will not be binding unless separately mentioned
- 15) E-tender along with terms and conditions must be submitted separately so that for individual item separate comparative statements could be prepared.
- 16) Advance payment either direct or through bank will not be accepted under any circumstances. As per rule, full payment will be made after receipt of material, inspection thereof and after satisfactory installation and working of the entire equipment. Payment through LC is acceptable in case of imported equipment only.
- 17) The tenderer should clearly state regarding charges for maintenance, etc. of the equipment, if any. Installation should be done free of cost.
- 18) Offers received not according to our terms and conditions and within the time prescribed shall be rejected. Delay due to postal services of any kind will not be considered for acceptance of the tender.

Signature of the Bidder with seal



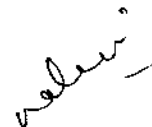

- 19) In all matters of dispute the decision of Registrar, Jiwaji University, Gwalior shall be final & binding on the Bidders.
- 20) The address of Customer Care Centre for maintenance along with the list of well-reputed organizations that have purchased the same equipment or similar equipment should be provided
- 21) In case of an authorized dealer, a copy of the current Certificate from Manufacturer must be attached as proof.
- 22) The date and time of opening of tender is **10.07.2017 at 3.30pm** in the presence of intending Bidders or their representative who may like to be present in the office of the registrar, Jiwaji University, Gwalior.
- 23) If any of the dates of the receipt /opening of Tender happen to be declared as holiday, the schedule will be shifted to the next working day automatically. The University reserves the right to change the date.
- 24) The Sealed Tender envelope should contain two sealed envelopes.
- A. The "First envelop should be Super scribed as 'Technical Bid this should contain the specifications of the equipment and terms & conditions of supply, and the questionnaires for terms of supply and the specification sheets (supplied by the University along with Tender document) duly checked yes/no etc. No price should be mentioned.
- B. The 'Second' sealed envelope should be super scribed as 'EMD and should contain the Earnest money in original and receipt of Rs. 5000/- paid through www.mpeproc.gov.in.

The above two sealed envelopes must be placed in one sealed envelope and should be super scribed "Tender No, for (name of item), to be opened on" Only those tenders which fulfill the technical specifications shall be considered for opening of the commercial bid.

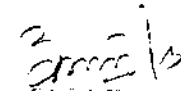
Financial bid to be submitted online only.

- 25) Sealed envelopes should reach the Registrar, Jiwaji University, Gwalior -474011 on or before **08.07.2017**, by 5.00p.m. by Speed Post / Registered Post only
- 26) The prices charged for the items supplied by successful Tenderer shall in no event exceed the lowest price at which the successful Tenderer sells the same items to any other persons during the period of supply to the University.
- 27) If any time, during the period of supply, the tenderer reduces the sales price chargeable for any item, he shall forthwith notify such reduction to the Registrar, Jiwaji University, Gwalior, and the price payable for the items supplied after the date of coming into force of such reduction or sale shall stand corresponding reduced.

Signature of the Bidder with seal



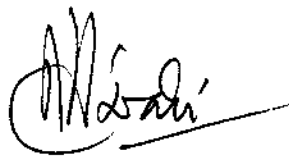
- 28) All the accessories are to be treated as one unit and separate tenders are not required for each accessory. The cost of Essential Accessories will have to be included in the total cost of the equipment.
- 29) Performance reports and List of organizations in India (along with phone numbers of users) who have been supplied the same (or similar) model of the equipment should be provided.
- 30) Canvassing for support in any form for the acceptance of any tender is strictly prohibited. Any tenderer doing so will tender himself liable to the penalties, which may include removing of his name from the register of approved Suppliers.
- 31) The bidder shall forfeit the EMD if we find the bidder providing any false information and no further communication in this respect shall be entertained.


Registrar
Jiwaji University
Gwalior (M.P.)

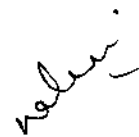
Registrar
Jiwaji University

I/We accept the terms and conditions of the tender and understand the decision of the University shall be final and acceptable to me /us

Signature and Seal of the Tenderer
With Date









Jiwaji University, Gwalior

Annexure-1
(To be enclosed with the Technical Bid)

Tender for Laser Scanning Confocal Microscope

Tender Form No. JU/Zool/2017-18

Date: 31.05.2017

Name of the party submitting:
the Tender

To
The Registrar
Jiwaji University
Gwalior 474 011, MP, India

Dear Sir,

1. I/We hereby submit our tender for : _____
2. I/We am/are enclosing herewith DD No. Dated for Rs.
drawn in favour of the " The Registrar, Jiwaji University, Gwalior" towards EMD, and Receipt dated..... for Rs.
5000/- towards tender fee paid through www.mpeoproc.gov.in (TENDERS NOT ACCOMPANIED WITH EMD ALONG
WITH THE TECHNICAL BID SHALL BE SUMMARILY REJECTED).
3. I/We have gone through all terms and conditions of the tender documents before submitting the same.
4. I/We hereby agree to all the terms and conditions, stipulated by the Jiwaji University, in this connection including delivery,
warranty, penalty, etc. Quotations for each item are being submitted under separate covers, and shall be considered on their face
value.
5. I/We have noted that overwritten entries shall be deleted unless duly cut & re-written and initialed.
6. Tenders are duly signed (No thumb impression should be affixed)
7. I/We undertake to sign the contract/agreement, if required, within 15 (Fifteen days) from the date of issue of the letter of
acceptance, failing which our/my earnest money deposited may be forfeited and our/my name may be removed from the list of
suppliers at Jiwaji University, Gwalior.

Yours faithfully,

Signature of Tender(s) with full Address.







CHECK LIST FOR TERMS AND CONDITIONS

Check list for Terms and Conditions (To be filled by the bidder and submitted along with the technical bid). Supporting documents must be numbered serially and the same must be indicated here on this page. These documents should be placed inside the envelope containing technical bid.

1. Certificate of Manufacturer / Indian Subsidiary of the Manufacturer / Authorized Representative in India, enclosed.
2. List of organizations supplied with the equipment or similar equipment (at least 03 in India) _____
3. Whether the quoted price is – FOR Gwalior:
4. Whether rates are quoted as per tender's specifications _____
5. Quotation being submitted directly by the manufacturer or authorized representative _____
6. Quality assurance certificate like ISI, ISO 9002, IP/BP or any other, please specify _____
7. Proof of tendering firm having filled IT Return for FY 2013-14, 2014-15 & 2015-16 attached

8. EMD is enclosed _____
9. Copy of Sales Tax (TIN) registration attached _____
10. Tender fee Receipt of MP Online enclosed _____
11. Literature of original catalogue of the product and accessories are attached for reference _____
- 12 Comprehensive Guarantee/Warranty for a period not less than three years: YES/NO.

(SIGNATURE OF THE BIDDER WITH NAME & SEAL)



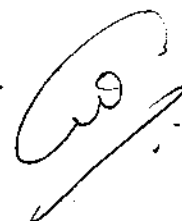
(To be enclosed with the Technical Bid)

1	Reputed manufactures of equipment (specified in the tender notice) or their Authorized agents with well established sales and services facilities only need to respond to the tender notice.	Confirm / do not confirm to Requirement
2	Separate quotation must be submitted for each item specified in the tender notice. Taxes, duties, packing & forwarding charges, transport and insurance charges may be separately indicated where applicable	Complied/ Not complied
3	The make model no. detailed specifications, illustrative pamphlets must accompany the quotation without which the quotation are liable to be rejected.	Complied/ Not complied
4	In case the bidder is an authorized agent, documentary proof to this effect must be enclosed with the quotation.	Enclosed / not Enclosed
5	Bidders detailed company profile, information on after sales/ service and test facilities available along with address and telephone no. of sales office and service centre catering to Gwalior must be given along with the quotation. Details of product & application support available may also be indicated.	Information enclosed / not enclosed
6	The bidder must indicate whether he is willing to supply complete circuit diagram, wiring diagram component layout diagram, service manual and component identification catalogue along with the equipment free of charge in case an order is placed with him. The supply of this literature will be considered as part of supply of equipment offered.	Will be supplied/ Cannot supply
7	The bidder must furnish a list of customers to whom the equipment quoted has been supplied preferably in Central/Northern India. Name and contact telephone no. of the customers may be furnished.	Enclosed / not enclosed
8	Quotation must be furnished in sealed envelopes separately for each item quoted under the tender. The name of the item quoted and tender notice particulars should be clearly indicated on top of the envelope	Complied/ Not complied
9	Bidders are requested to carefully go through the specifications given in the tender and quote only when they are sure they have product specified to offer.	Complied / not complied
10	Warranty details and terms and conditions of warranty must be given. If any component of the equipment quoted is not covered by the warranty, the same must be specified.	Complied / not complied
11	The bidder will furnish a test certificate along with complete test result and the test conditions for the equipment specifications offered in case an order is placed.	Agreeable / Not agreeable
12	(a) If an order is placed with the bidder, the bidder will install and test the equipment to its specifications at site of installation free of charge. (b) If it is not possible to test some specifications, the same may be indicated.	Agreeable / Not agreeable Agreeable / Not agreeable
13	Performance guarantee: In case the Purchase Order is placed, 10% of the equipment value has to be submitted as performance security deposit in the form of bank Guarante till the completion of warranty period.	Agreeable / Not agreeable
14	The bidder(s) must carry validation test at the site of installation at their own cost.	Yes / No

Note:

- 1) Unless the questionnaire is completely filled in and detailed information provided as required, your offer is liable to be rejected.
- 2) Complete questionnaire should be signed by the bidder and sent along with the quotation in the Technical Bid.

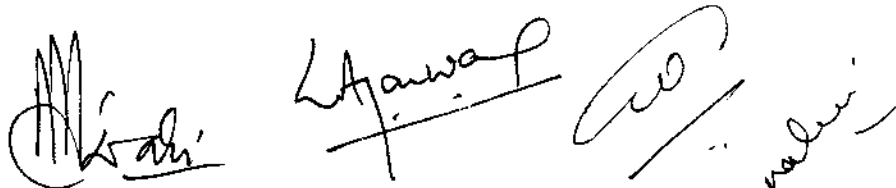





Further Instructions

1. The Technical bid and EMD should be enclosed separately in sealed covers and both the envelopes must be placed together (along with the EMD cover) in another outer cover which should be sealed. This is to ensure that if the technical bid qualifies with the laid down specifications and configurations, only then the price bid will be opened. The envelopes should be carefully super scribed as has been mentioned earlier.
2. EMD and Tender Fee Receipt should be kept (together) in a separate Sealed Cover (EMD cover)
3. The technical bid must have the following enclosures:
 - a. True copy of technical bid. All items quoted must be clearly indicated.
 - b. Detailed literature, illustrative pamphlets, company profile, customers list & questionnaire duly filled and tender form along with Annexure 1-3 duly signed.
4. The two sealed envelopes (i. Technical bid and ii. EMD) should be kept in the outer sealed cover.
5. Authorized dealers should submit a copy of valid dealership certificate along with quotation.
6. The last date for submitting e- tender is **06.07.2017** by 5.000P.M.
7. Late/delayed offers will not be accepted.
8. In event of any date indicated above is a declared holiday the next working day shall become operative for the respective Purpose mentioned therein.
9. The technical bids will be opened in the presence of the bidders or their authorized representatives on **10.07.2017** at 3.30 pm, in the University Office, Jiwaji University, Gwalior. It is the responsibility of the bidders to present themselves at the time of opening of the technical bids.
10. The Registrar of Jiwaji University reserves to accept or reject any offer in part or whole without assigning any reasons whatsoever.
11. The tender document can be downloaded from the website www.mpeproc.gov.in The download tenders should be accompanied by receipt of Rs. 5000/- paid through www.mpeproc.gov.in towards the tender fee.

Signature of the Bidder



// AFFIDAVIT //

(To be Contained in Envelop I)

I/We.....who is / are(status in the firm/company) and competent for submission of the affidavit on behalf of M/s..... (Contractor) do solemnly affirm an oath and state that.

I/we, am/are fully satisfied for the correctness of the certificates / records submitted in support of the following information in bid documents which are being submitted in response to notice inviting e-tender No.....for.....(name of work) datedissued by the(name of the department).

I/we am/are fully responsible for the correctness of following self-certified information/document and certificates:

- 1. That the self-certified information given in the bid document is fully true and authentic.
2. That:
a. Demand draft deposited as earnest money, receipt for cost of bid document and other relevant document provided by the bank are authentic.
b. Information regarding financial qualification and annual turnover is correct.
c. Information regarding various technical qualifications is correct.
3. No close relative of the undersigned and our firm/company is working in the department.

OR

- 4. Following close relative are working in the department:

Name.....Post.....Present Posting.....

Signature with seal of the deponent (bidder)

I/We.....above deponent do hereby certify that the facts mentioned in above paras 1 to 4 are correct to the best of my knowledge and belief.

Verified today(Dated) at.....(place)

Signature with seal of the deponent (bidder)

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

JIWAJI UNIVERSITY, GWALIOR

COMMERCIAL BID (ONLINE) FOR PURCHASE OF EQUIPMENT

1. Name of the Firm :-

.....

2. Address of the Firm :-

.....

3. Name of the Proprietor / Partner / Director of the Firm :-

.....

4. Telephone No. :-

.....

Kindly read all the conditions given in tender form before filling the commercial bid compulsorily, **do not mention rates in below table (Leave it blank)**

Sr. No.	Equipment	Rate / Item	
		CURRENCY	
		In Figure	In words
1.	Laser Scanning Confocal Microscope		

(SIGNATURE OF THE BIDDER WITH NAME & SEAL)



Technical specification for a Laser Scanning Confocal Microscope system with High speed Imaging.

The Laser Scanning Confocal microscope system with optical slicing capabilities should have the following minimum specifications.

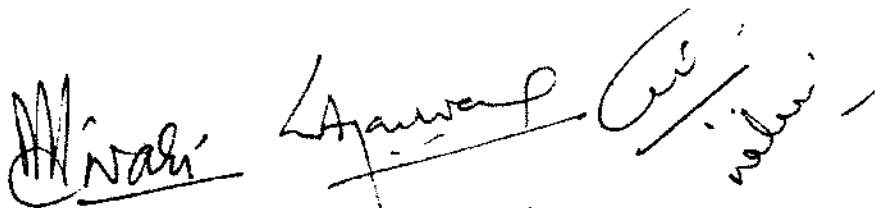
1. Fully motorized inverted microscope

- a) The microscope body should have built in motorized Z movement with step size essentially be at least 10nm -15nm or lower for precise movement of different focal planes of the specimen.
- a) It should have motorized beam path selection between eye observation and confocal imaging.
- b) The microscope should be equipped with long life LED/12 Volt 100W metal halide (Preferably) / halogen illumination for transmitted light (Bright field & DIC) applications
- c) The system should have at least 6 positions motorized DIC nosepiece and high resolution Plan fluorite / Apochromat objectives 10X, 20X, 40X (NA 0.90 or higher), 60/63X oil (N.A 1.40 or higher), 100X oil (N.A 1.4 or higher).
- d) Motorized 7-8 positions condenser with DIC prisms for 20X, 40X, 60X & 100X objectives with analyzer, polarizer and DIC slider should be included.
- e) 120/130 Watts pre-centered fiber coupled Metal-Halide lamp for fluorescence observation should be quoted with one additional bulb/lamp.
- f) 7-8 positions motorized fluorescence turret with inbuilt shutter should be there. Higher position turret will be preferred.
- g) Quote for narrow band pass fluorescence filters for DAPI, FITC/GFP/Alexa 488 / TRITC / Rhodamine & Triple filter.
- h) Fully motorized and encoded, programmable, XY scanning stage should come with universal sample holder attachments like glass slide, 35mm imaging dish, petri-plates and multi-well plates.
- i) Dedicated TFT / LCD touch panel control for the microscope will be preferred.
- j) Monochrome EM-CCD/C-MOS camera attached to the system to capture colour fluorescence and other microscopic Images

2. Scanning and detection system:

- a) The Confocal scan head should have highly efficient Galvo scanner, should have highest reflectivity (>90%) from 400-1000nm for detection of faint signal. Supplier should quote other alternative detector/hardware, if required, to achieve similar sensitivity in their confocal system, eg, GaAsP detector and AOBS
- b) The system should have at least 4 built-in PMT fluorescence Spectral detectors or better alternative, with independent voltage and gain controls.
- c) All the 4 spectral fluorescence detectors should be inbuilt / directly coupled to the scan head without any optical fibers for efficient signal collection ensuring higher sensitivity.
- d) All the spectral detectors should have spectral resolution of at least less than 5nm or better throughout the visible spectrum (400-800nm) through a reflection grating/Prism.

(SIGNATURE OF THE BIDDER WITH NAME & SEAL)



- e) The system should be capable of capturing images at different resolutions from 128 X 128 pixels to at least 4K X 4K pixels. The system should be capable of offering speed up to 12 - 16 frames per second @ 512x512 resolution at zoom factor not more than 2X. Higher frame rate up to 150 frames per second or higher should be achieved with ROI scan possibilities.
- f) Rotation Scanning should be 0-360° with 0.1° increments to scan area of different shapes including lines & curved lines.
- g) The system should have Motorized Pinhole with automatic pinhole size setting.
- h) Confocal fluorescence signals should be delivered directly to the detectors without any fiber delivery to ensure high quality imaging/images in case of feeble/ weak fluoresce emission signals.
- i) A transmitted light PMT detectors for DIC imaging should be quoted in addition to 4 fluorescence detectors.

3. Lasers and Combiner:

- a) The system should be equipped with at least 5 long life (15,000hrs or more) diode lasers with minimum 20mW or higher power: Diode laser 405nm for DAPI/Hoechst, Diode laser 488nm for FITC/GFP, DPSS 561nm/563nm & 594nm laser for TRITC / Rhodamine and Diode Laser 638/640nm to cover entire visible spectrum.
- b) All the Lasers including 405nm & 635nm should essentially be controlled through a single AOTF for precise and quick laser selection and attenuation.

4. Confocal Software:

- a) The confocal software should control all parameters of image acquisition including necessary modules for studying **FRET, FRAP & Co-localization** applications, **spectral un-mixing/finger printing** to separate the auto fluorescence with fluorescence signal and separation of overlapping dyes, such as GFP/YFP.
- b) Online spectral DE convolution based on the continuously variable spectral detection system with a minimum spectral resolution of 2-3 nm throughout the visible spectrum for precise spectral profile generation and un-mixing of overlapping dyes/auto-fluorescence should be available.
- c) 3D rendering, online intensity profiling should be standard feature of the software.
- d) System should have Laser intensity stabilization/feedback feature so that there is no intensity variation during experiment/imaging.
- e) At least one offline license for software for captured image analysis should be quoted, Software and hardware for Calcium imaging should be provided.

(SIGNATURE OF THE BIDDER WITH NAME & SEAL)

M. N. N. N. *K. N. N. N.* *N. N. N. N.*

5. Anti-Vibration System:

A suitable anti vibration table / platform recommended by manufacturers should be part of standard supply.

6. Workstation:

- a) The system should be supplied with latest tried & tested computer system as recommended by manufacturers along with 32" TFT/LCD Monitor.
- b) Latest compatible processor with atleast 24GB RAM, 30TB Hard drive or more (e.g SATA-7200 RPM), DVD writer, Graphic card etc should be provided.

7. Online UPS:

With atleast 30 min back-up for the entire system be provided

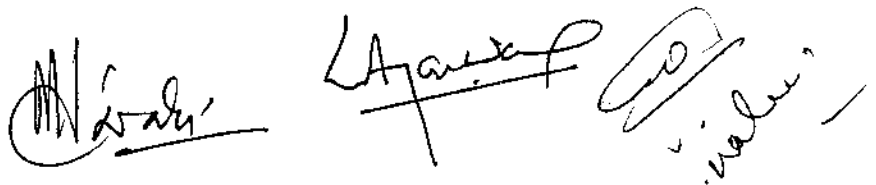
Note:

- Technical support from the company should be provided for at least for 6 months to one year to train the staff at the site for smooth transfer of technology
- The supplier should have service Engineer available/based in India directly from Manufacturers side, to offer best in class Installation & after sales Services.
- The system should be supplied with 3 years full warranty and two years full free service after the warranty period. Life of the laser would be counted for minimum 15,000 hrs or 4-5 years whichever is earlier.
- The bidder should quote all long life diode lasers of the specified wavelength. In case bidder quote gas lasers then they should separately quote prices for gas lasers so that university can compare the prices to match the total life period of 15,000hrs. Life of each gas laser /diode laser should be clearly mentioned in the technical bid supported by a document from Principal Company/manufacturers.

Accessories:

1. Modules for live imaging
2. Modules for super resolution confocal imaging

(SIGNATURE OF THE BIDDER WITH NAME & SEAL)



S No.	Name of Item	Laser Scanning Confocal Microscope system with High speed Imaging
		Currency INR/USD/Pound/JPY etc
		Rate/Item
1	Fully motorized inverted microscope	
2	Scanning and detection system	
3	Lasers and Combiner	
4	Confocal Software	
5	Anti-Vibration System	
6	Workstation	
7	Online UPS	
8	Total Price (Fill only in case of bundle price of item no. 1 to 7)	
	Accessories <i>ed</i>	
9	Modules for live imaging	
10	Modules for super resolution confocal imaging	
	Optional Items (If Any)	
11	Optional item no. 1	
12	Optional item no. 2	
13	Optional item no. 3	
14	Optional item no. 4	

see Lawrence Mishra ed